

STATE LIBRARY OF PENNSYLVANIA



3 0144 00492403 1

CLASS R030

BOOK Ed 44

VOLUME

Plates.

20
2
4



PENNSYLVANIA
STATE LIBRARY

275 632
26 426
42 175
113 1113

ORNITHOLOGY.

PLATE CCC

FALCO IMPERIALIS
Imperial Eagle



MENURA SUPERBA
Superb Menura



PARADISEA MAJ
Great Bird of Paradise

STRIZ PASSERINA
Little Owl



PIPRA CARUNCULATA
Carunculated Chatterer



GLAUCOPIS CINEREA
Cinereous Wattlebird



VULTUR GRYPHUS
Condor



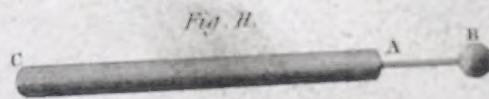
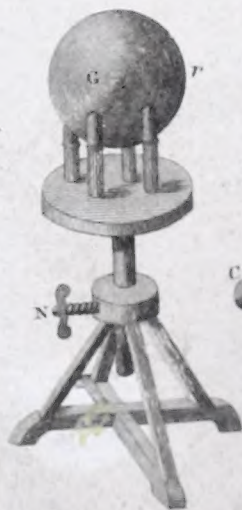
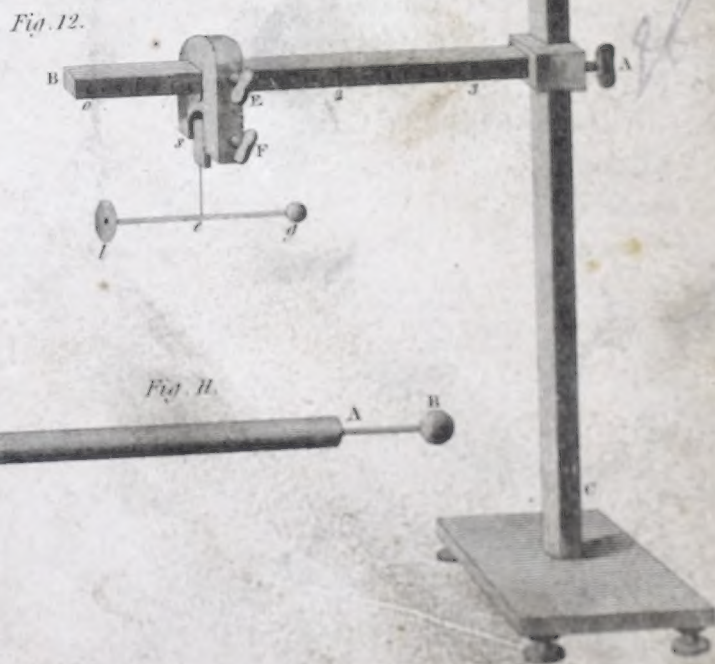
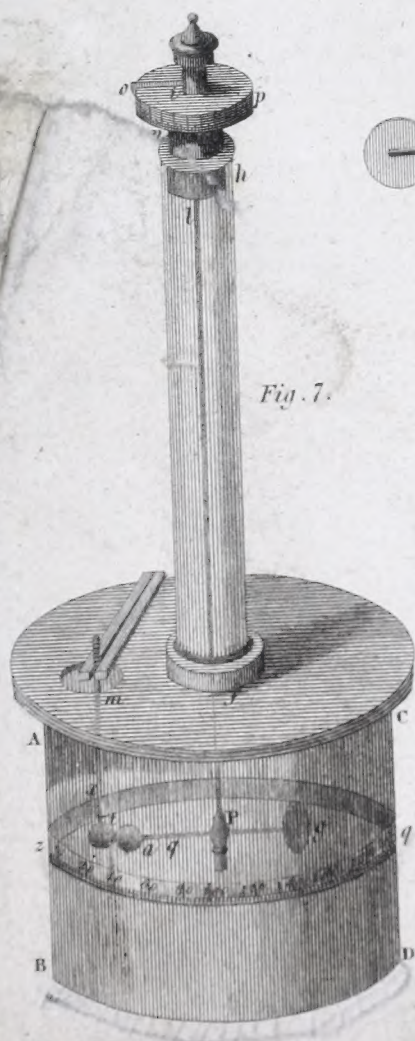
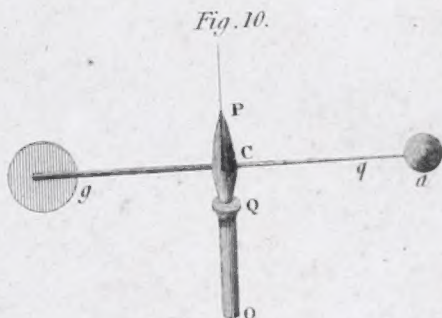
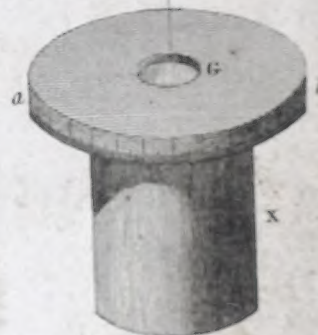
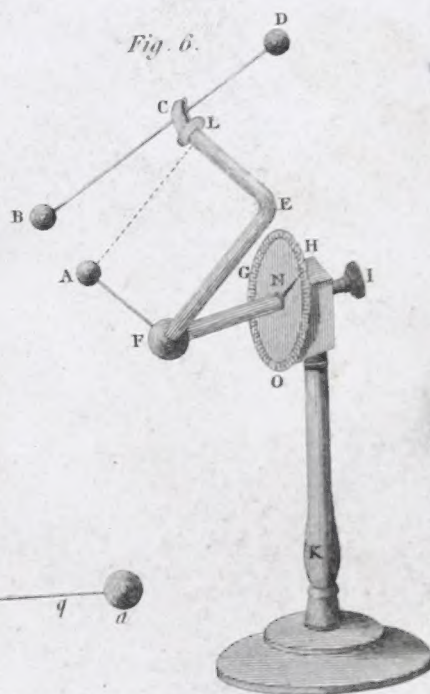
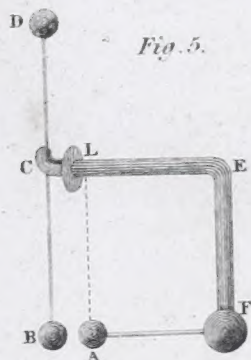
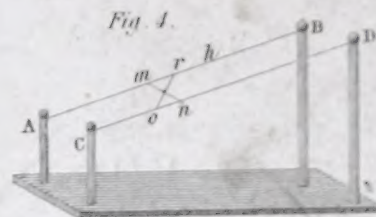
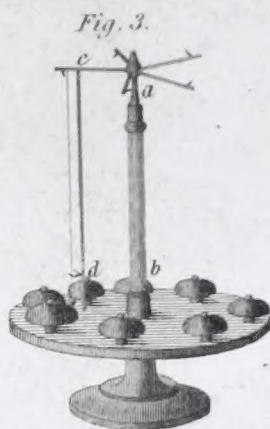
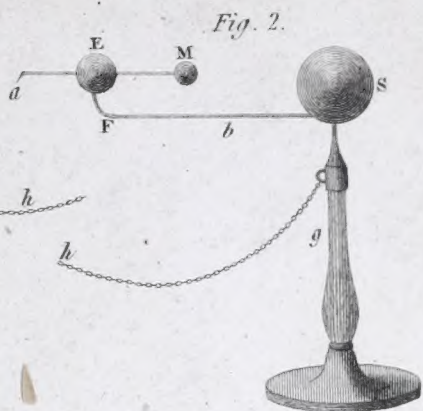
SERPENTARIUS AFRICANUS
Snake Eater



BUCEROS RHINOCEROS
Rhinoceros Hornbill







Designed by H. Anderson

Fig. 1.

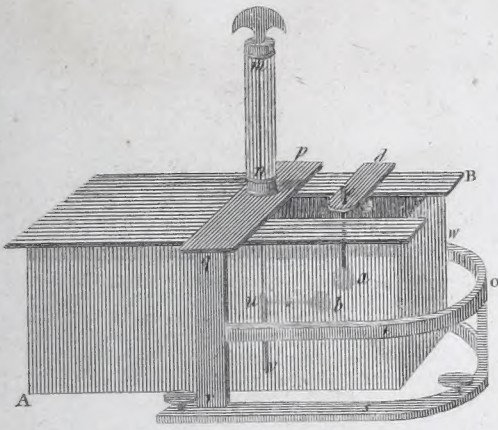


Fig. 5.

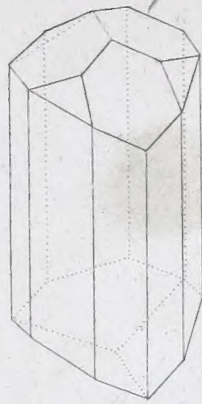


Fig. 6.

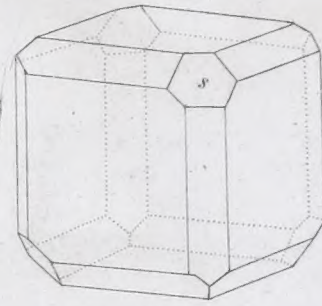


Fig. 2.

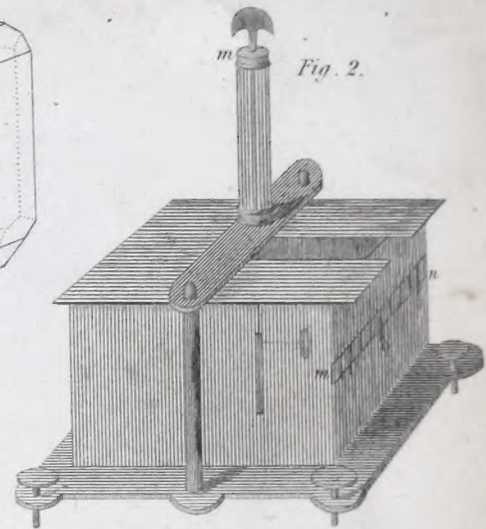


Fig. 7.

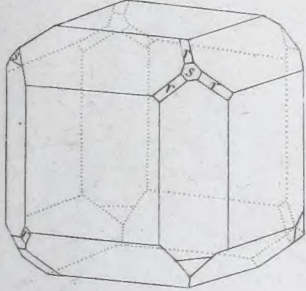


Fig. 3.



Fig. 10.

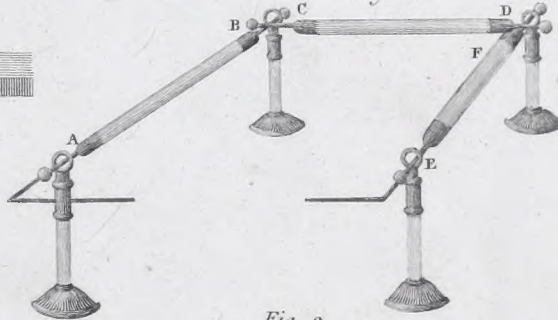


Fig. 12.

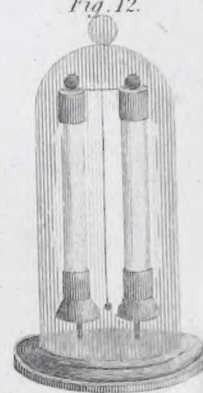


Fig. 13.

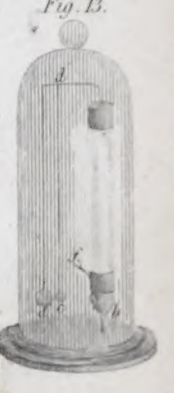


Fig. 11.

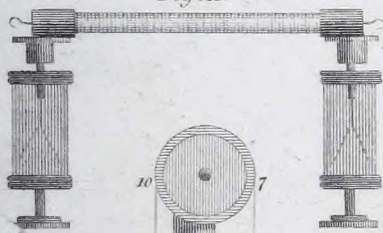


Fig. 9.

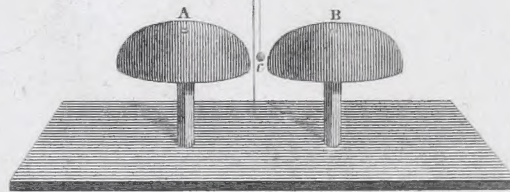


Fig. 4.

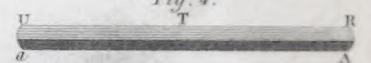
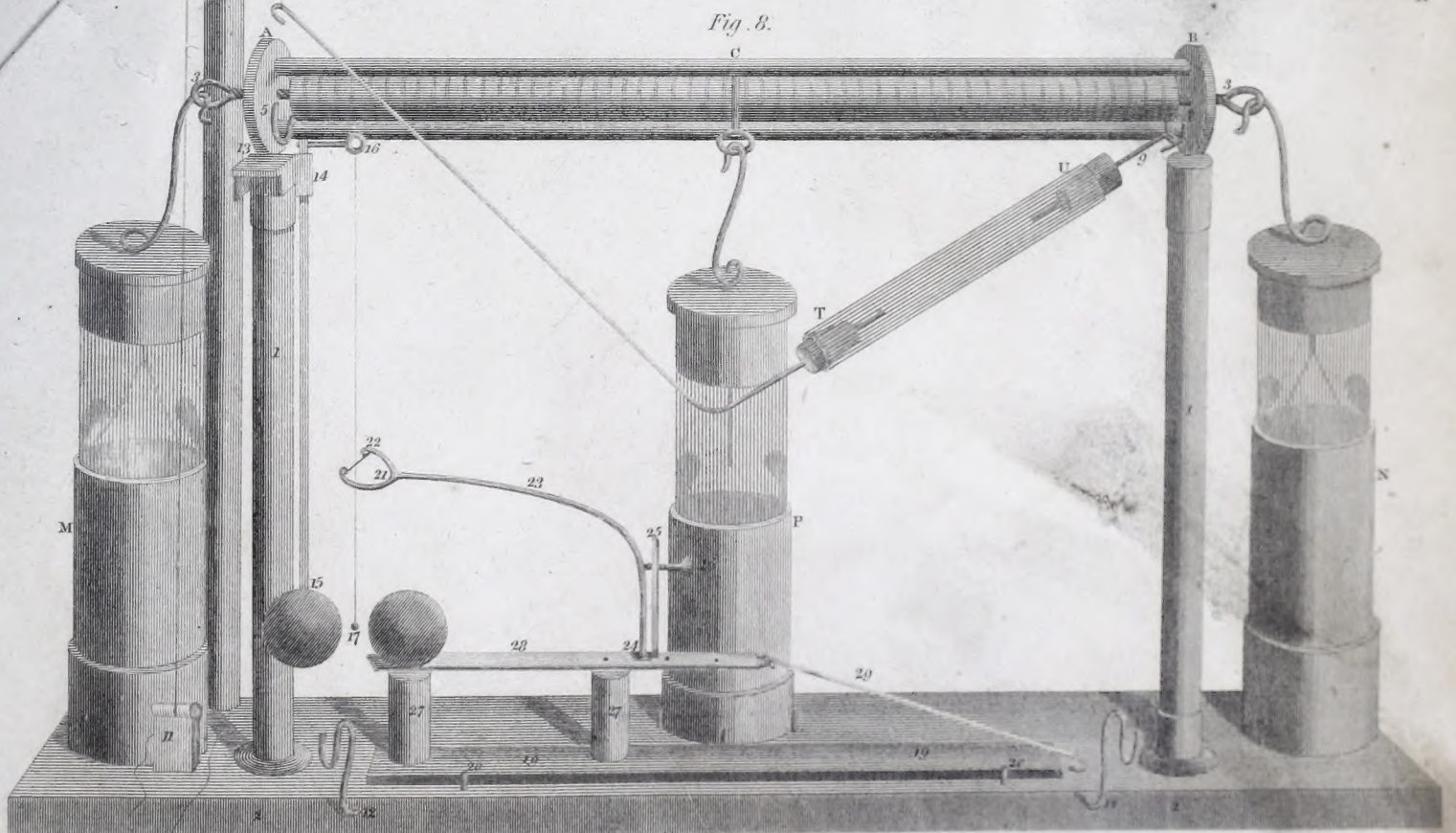


Fig. 8.



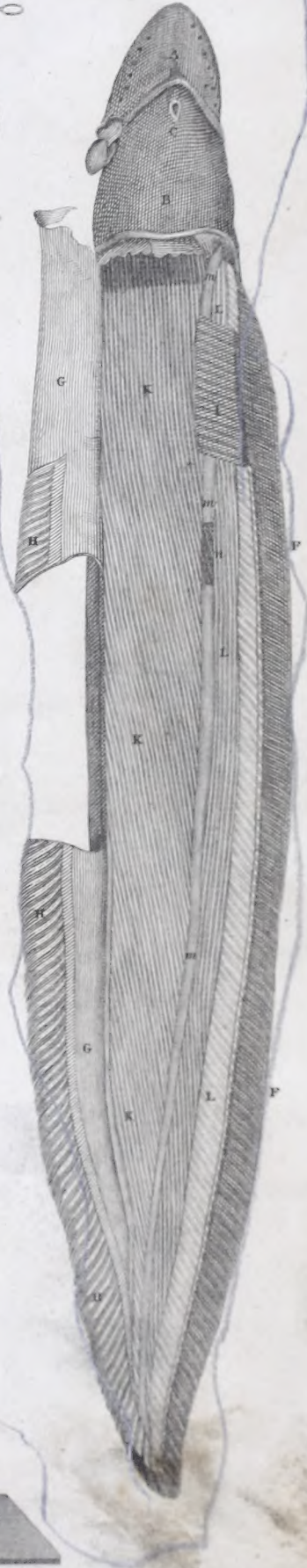
SILURUS ELECTRICUS.

Fig. 3.



GYMNOTUS ELECTRICUS.

Fig. 2.



TORPEDO

Fig. 1.

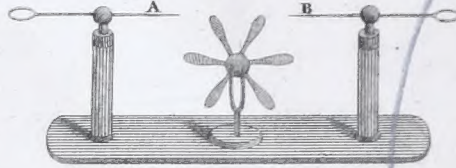
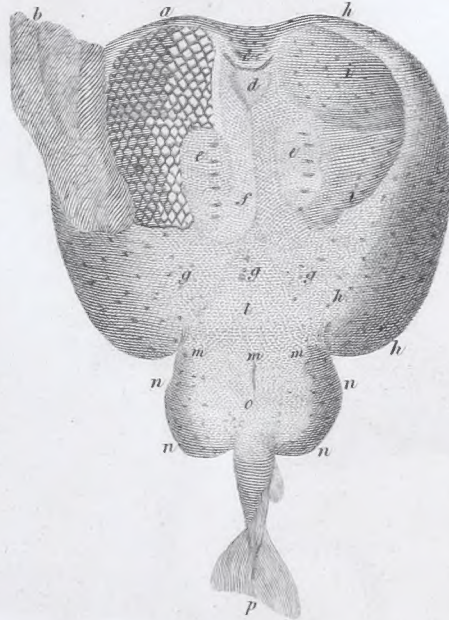


Fig. 5.

Fig. 4.

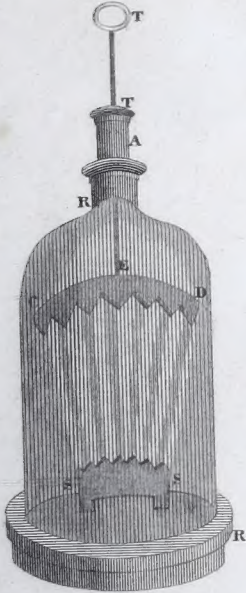


Fig. 9.



Fig. 6.

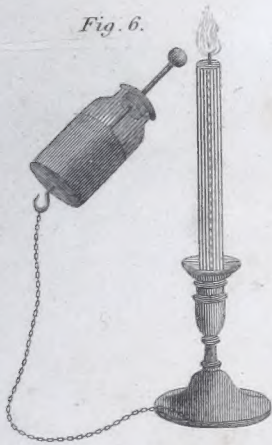


Fig. 10.

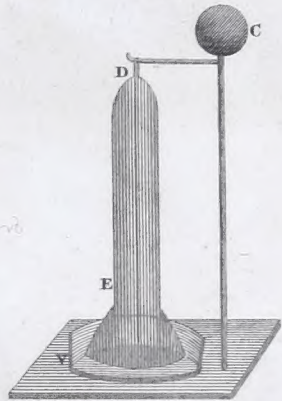


Fig. 7.

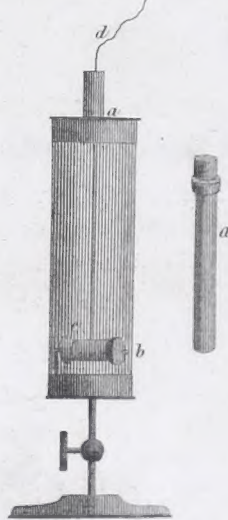


Fig. 8.

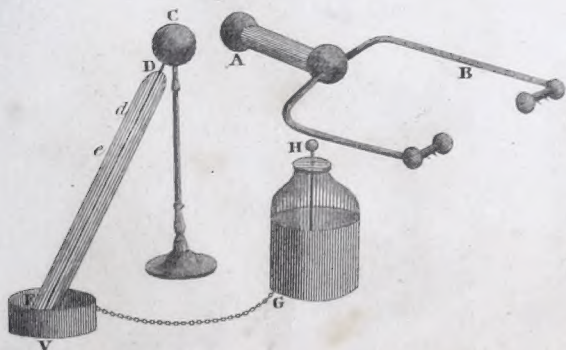
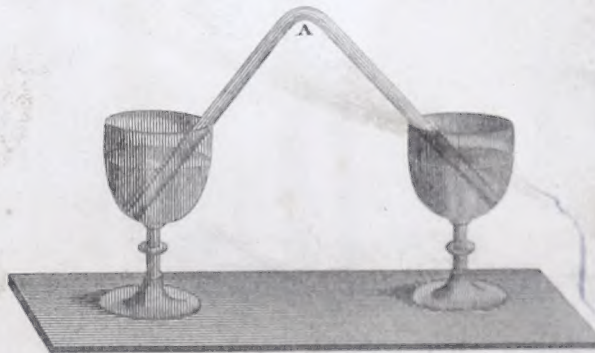


Fig. 11.





Digitized by the Internet Archive
in 2019 with funding from

This project is made possible by a grant from the Institute of Museum and Library Services as administered by the Pennsylvania Department of Education through the Office of Commonwealth Libraries





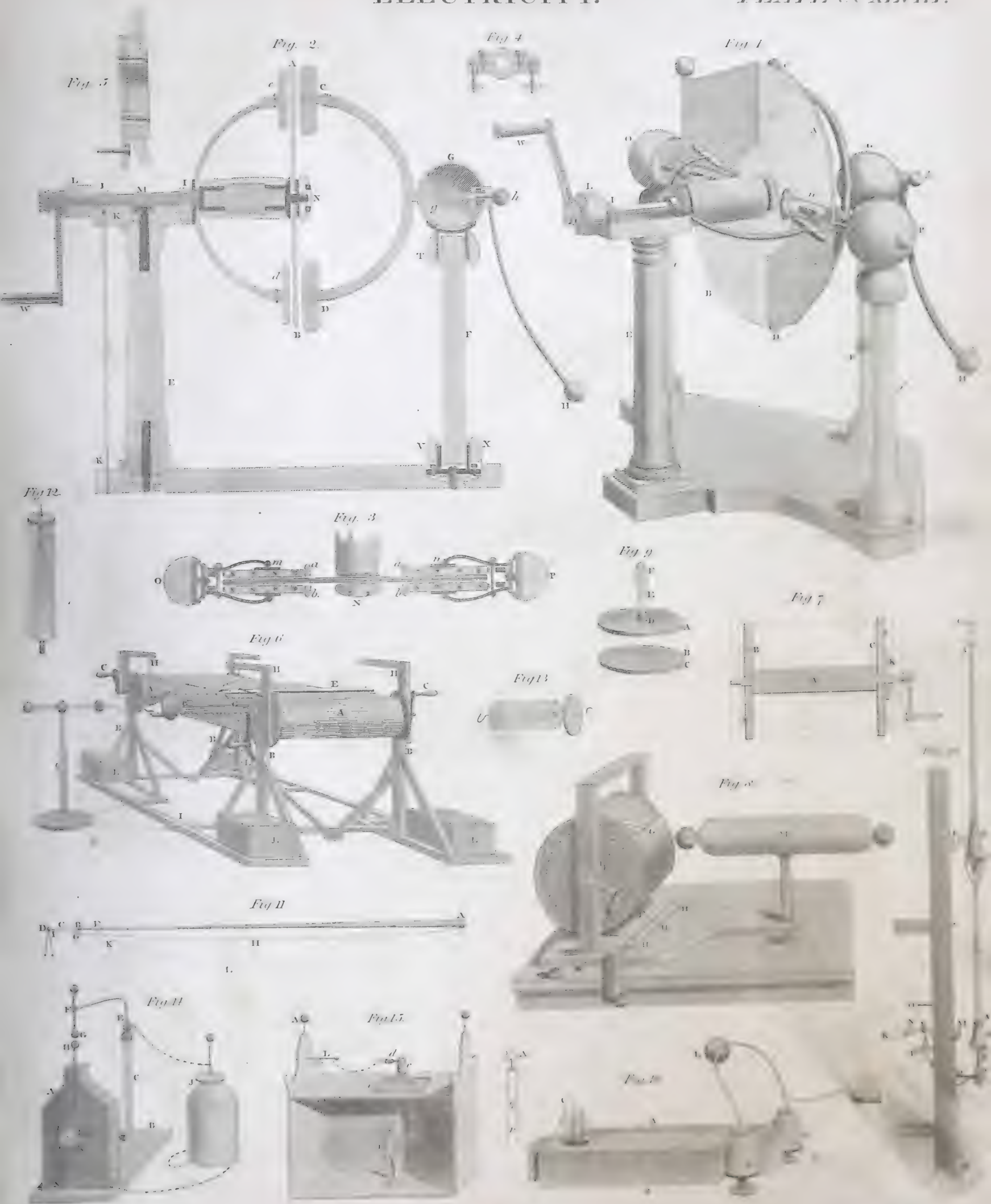






Fig. 1.

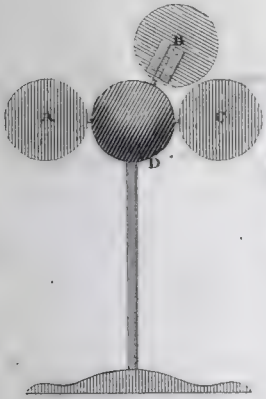


Fig. 2.

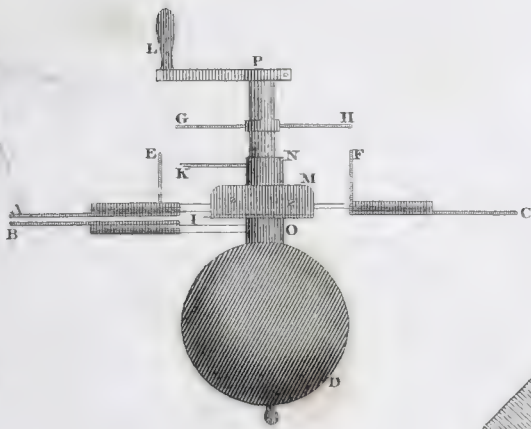


Fig. 3.

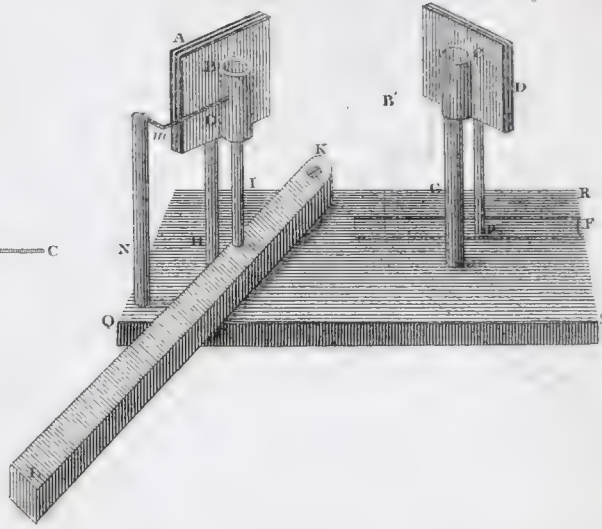
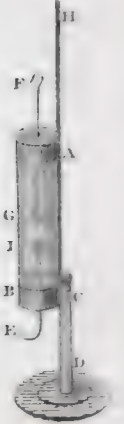


Fig. 4.



METHOD OF PICKETING WILD ELEPHANTS.

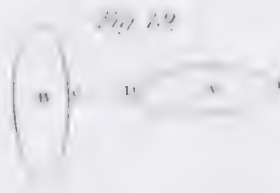
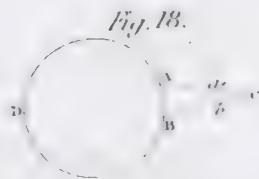
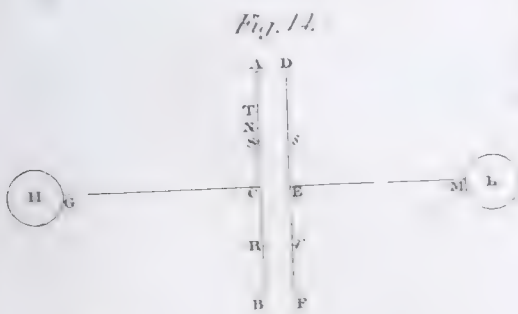
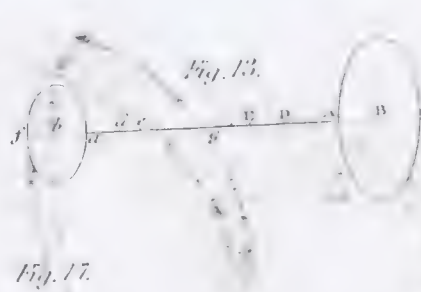
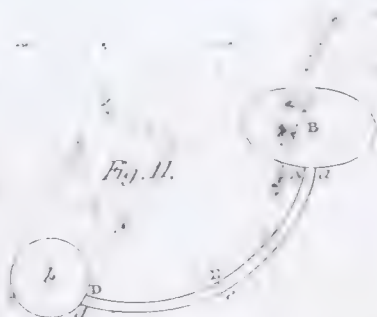
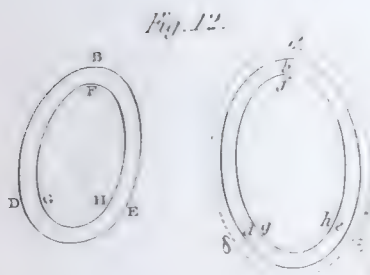
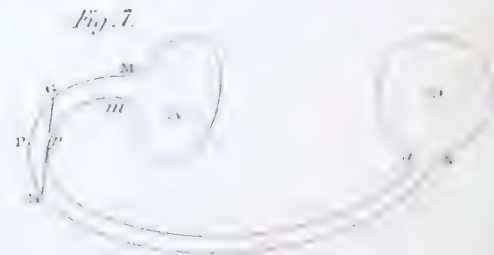
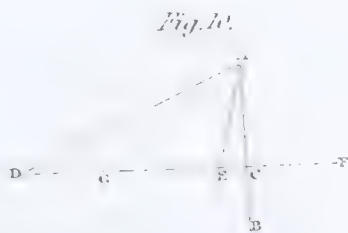
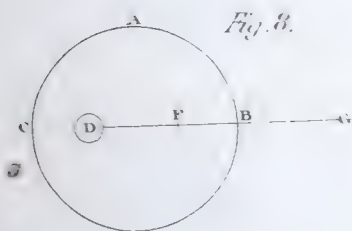
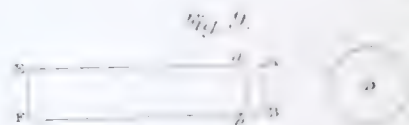
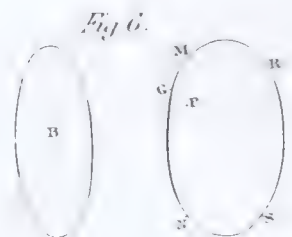
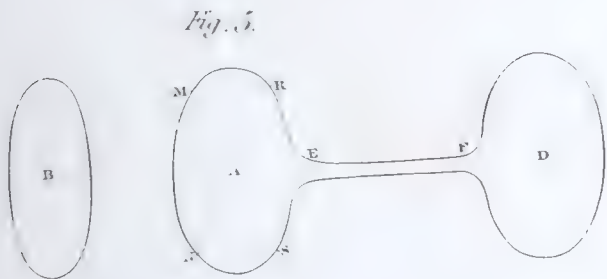
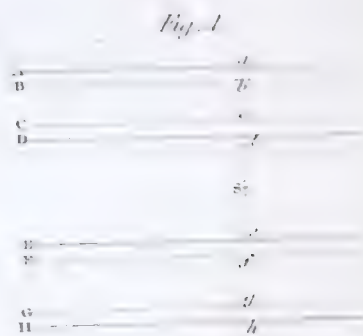
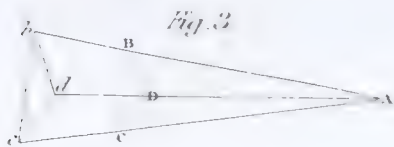
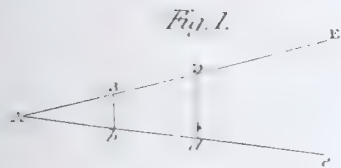


From an Original Drawing in the Possession of John Wise Esq. Esq.



ELECTRICITY.

CAVENDISH'S THEORY.



Dial plate makers tools

Fig. 1.
Section



Fig. 2.

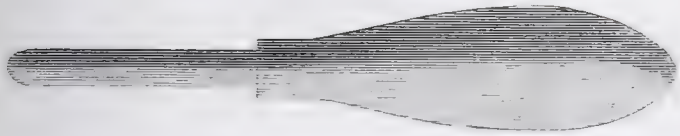


Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.

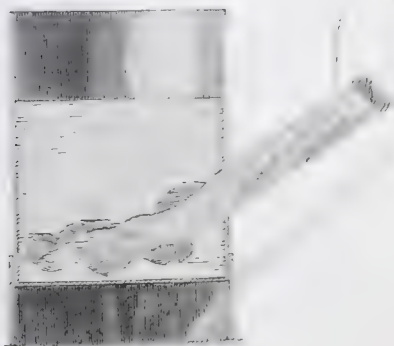


Fig. 8.

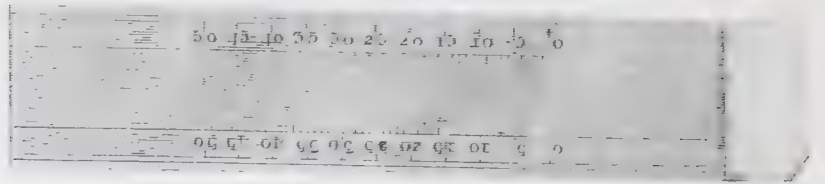


Fig. 9.

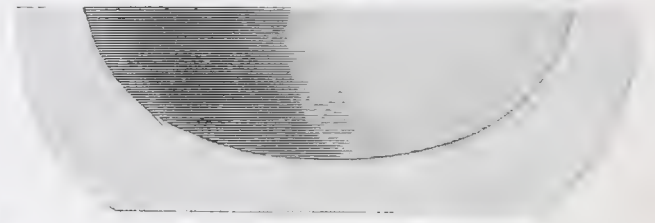


Fig. 10.



Fig. 11.



Fig. 12.



Fig. 13.





Fig. 1.

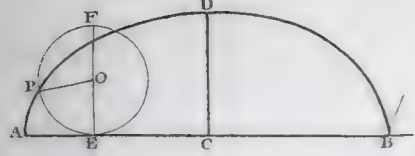


Fig. 2.

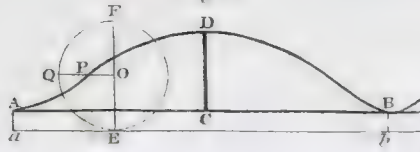


Fig. 3.

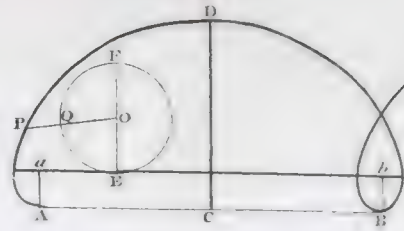


Fig. 4.

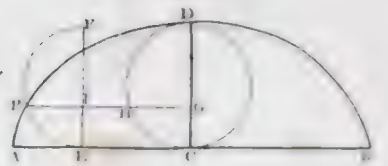


Fig. 5.

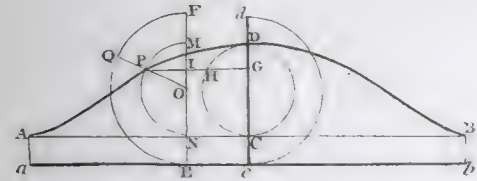


Fig. 8.

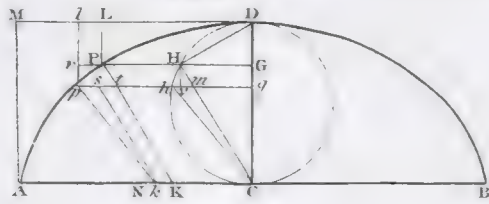


Fig. 7.

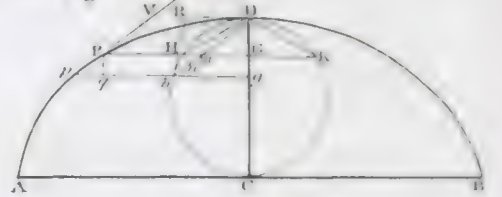


Fig. 11.

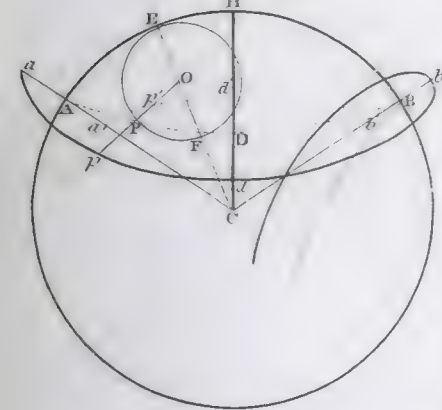


Fig. 9.

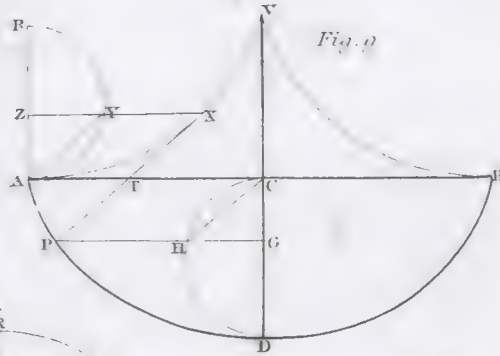


Fig. 10.

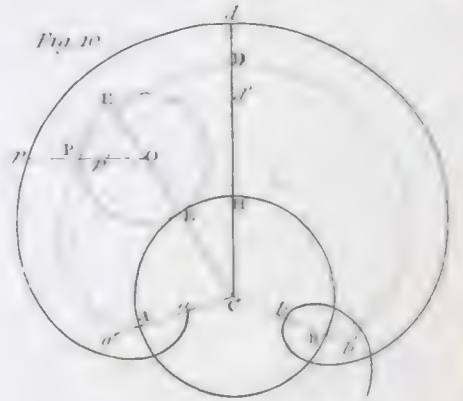


Fig. 14.

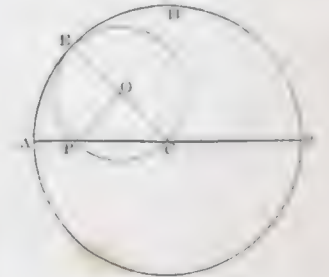


Fig. 19.

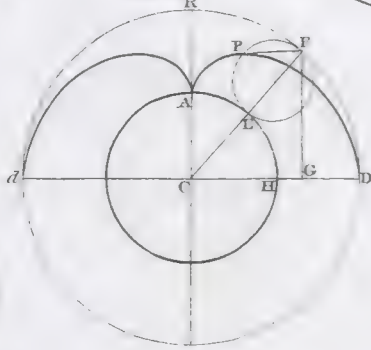


Fig. 12.

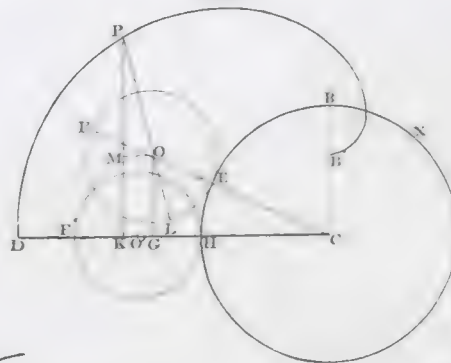


Fig. 17.



Fig. 20.

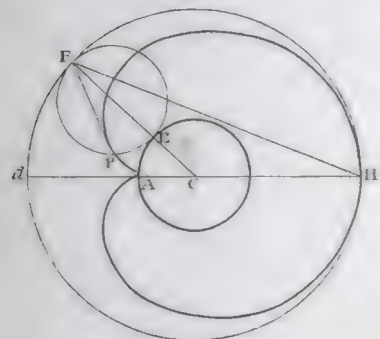


Fig. 21.

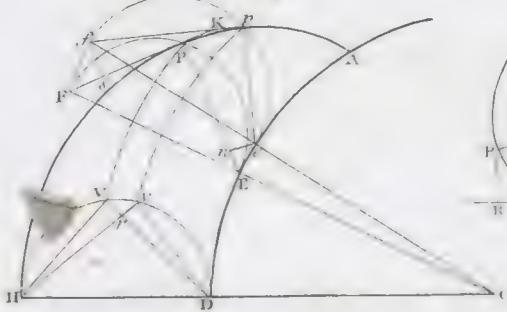


Fig. 16.

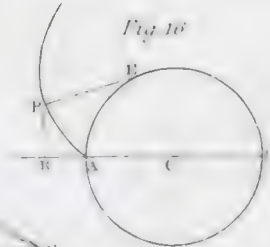


Fig. 18.



Fig. 13.

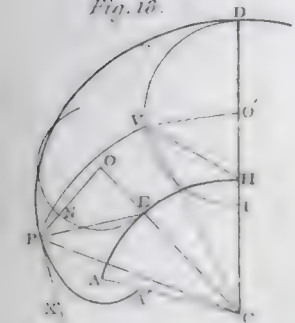


Fig. 15.

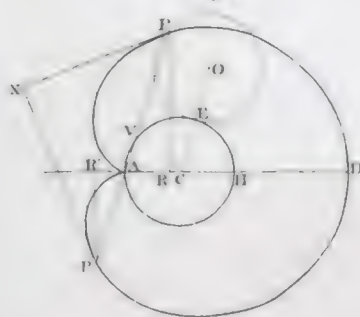
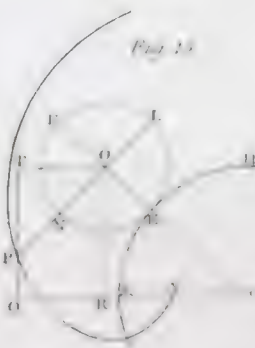


Fig. 15.





FILICES.

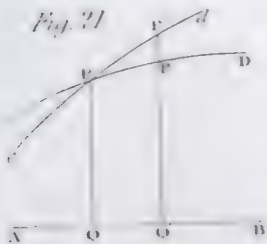
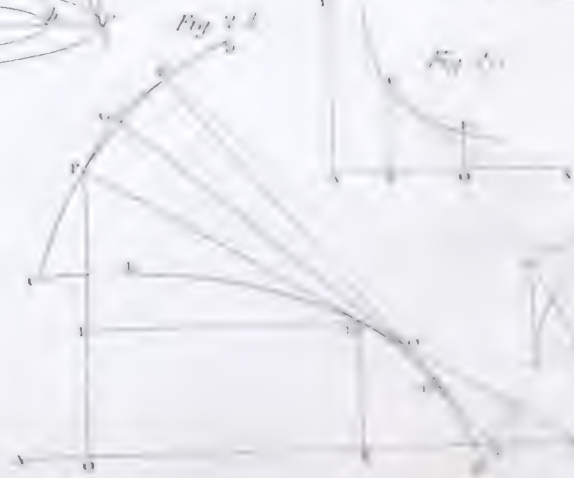
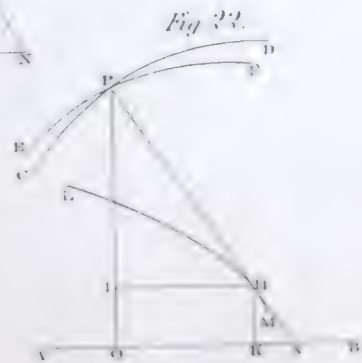
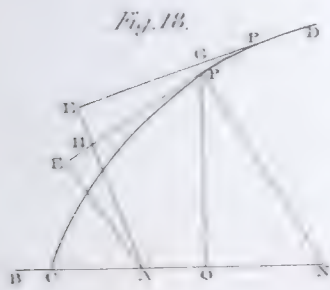
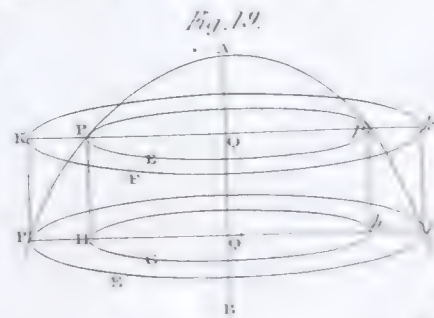
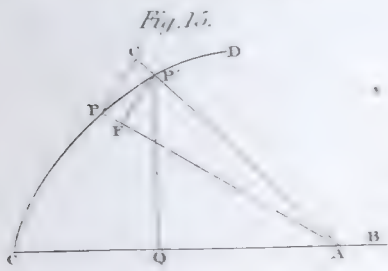
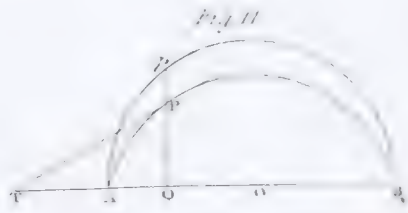
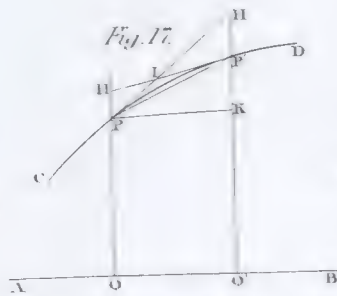
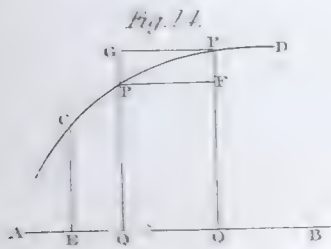
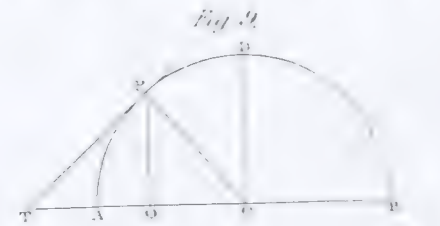
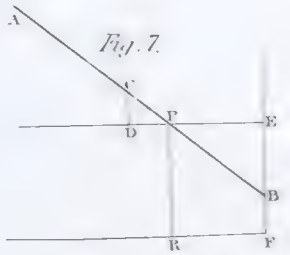
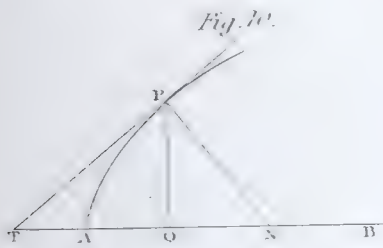
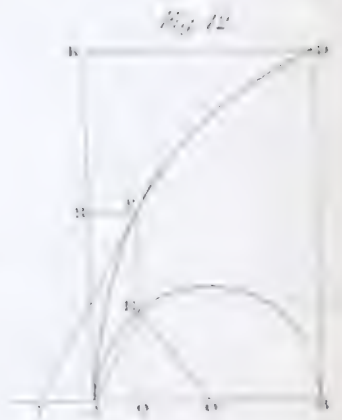
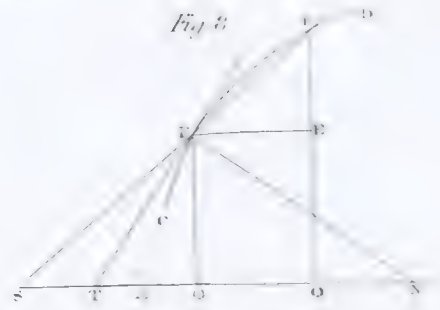
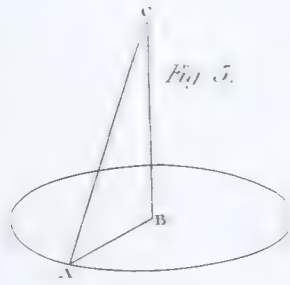
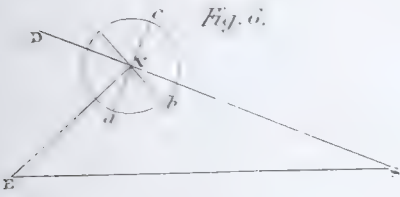
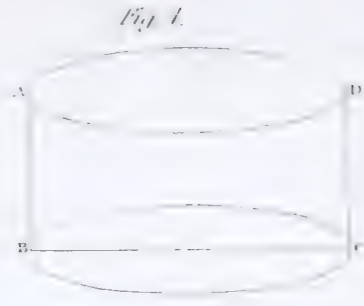
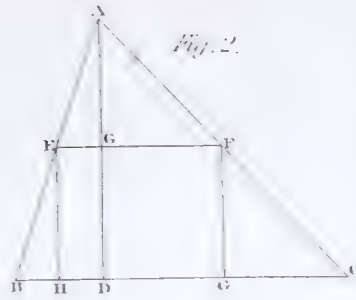
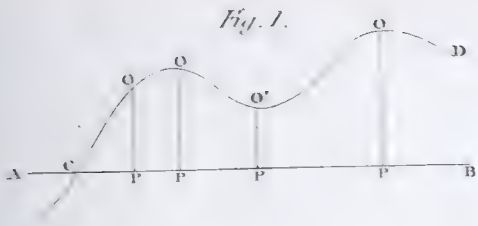
PLATE CCLIV

VIEW OF THE GERMINATION, STRUCTURE AND ARRANGEMENT OF FERNS BY J. YULE, M.D.F.R.S. EDIN.





FLUXIONS.



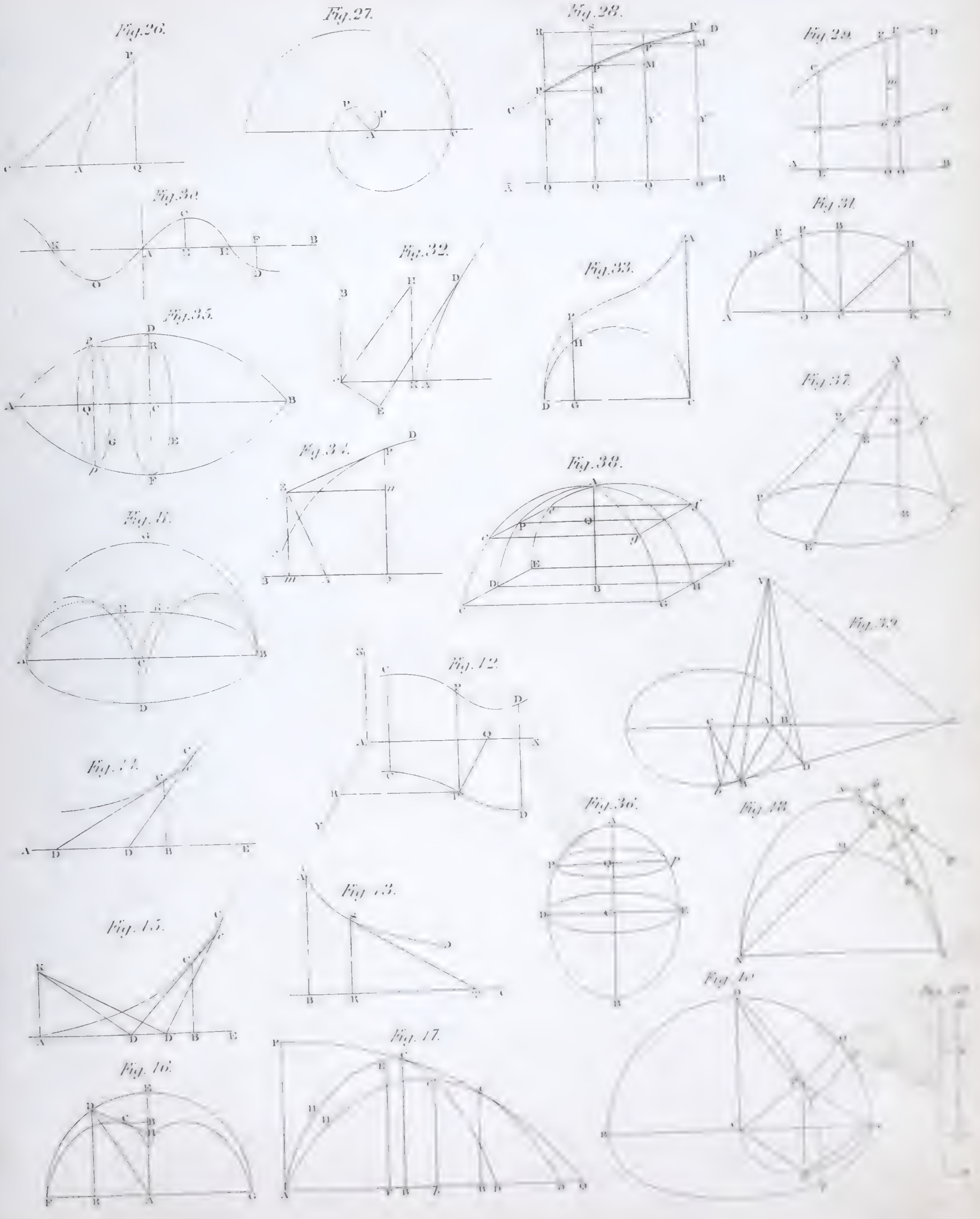




Fig. 1.

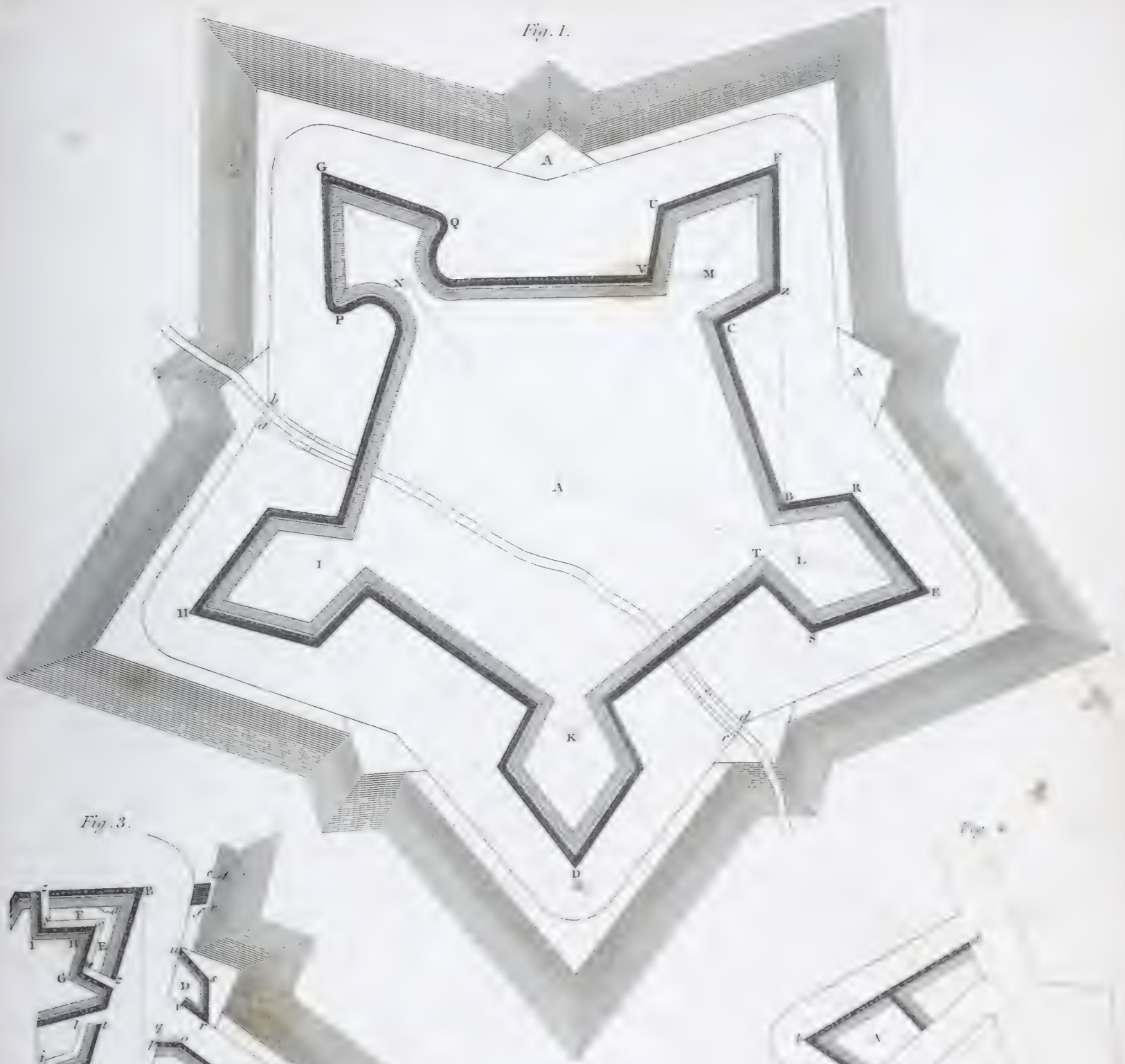


Fig. 2.



Fig. 3.



Fig. 4.





Fig. 1 Fig. 2



Scale of Feet
1000
2000



Fig. 3.

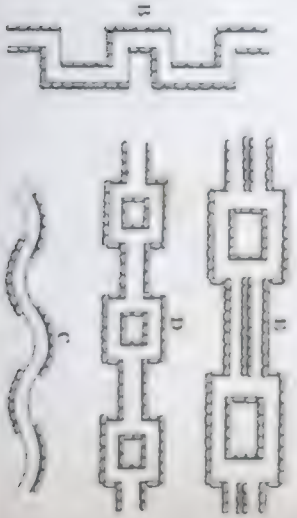


Fig. 1.



Fig. 2.



AMOCK FURRIL from the WEST



Fig. 3.
DENYRICH from the WEST





Fig. 6

Fig. 7

Fig. 1

Fig. 2

Fig. 3

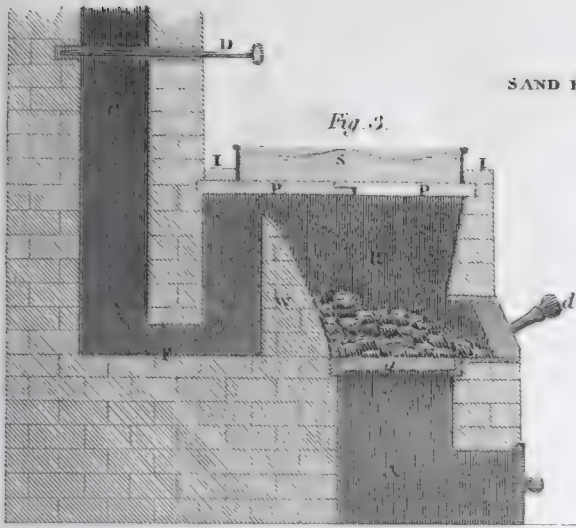
Fig. 4

Fig. 5

Fig. 4

Fig. 9





SAND BATH.

Fig. 3.

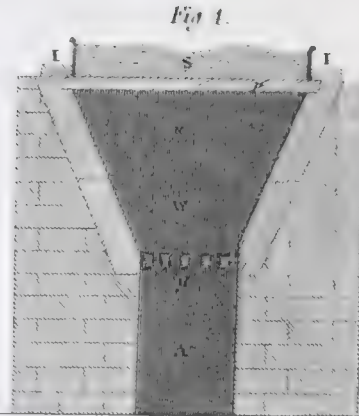


Fig. 4.

MELTING FURNACE.

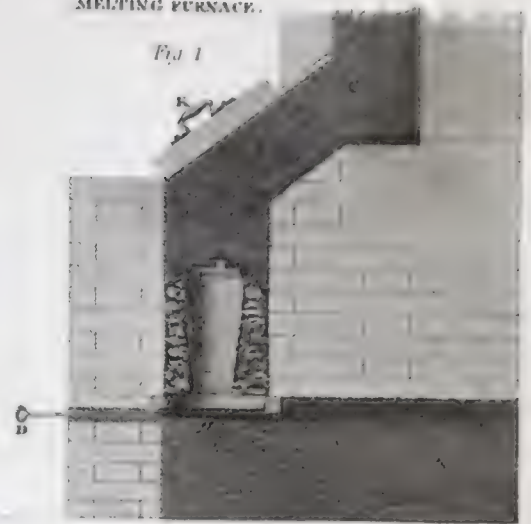
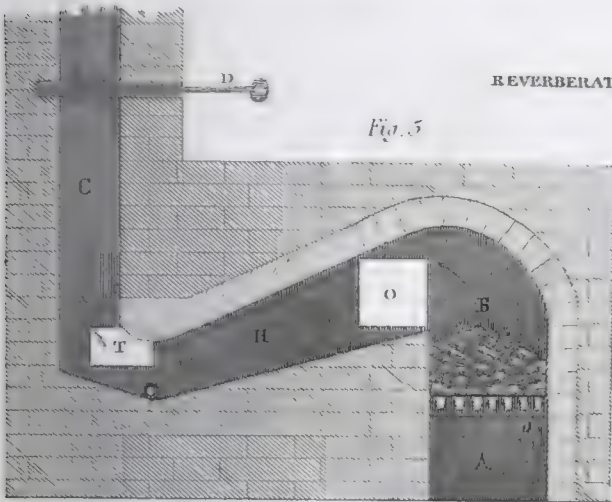


Fig. 1.



REVERBERATORY FURNACE.

Fig. 5.



Fig. 6.

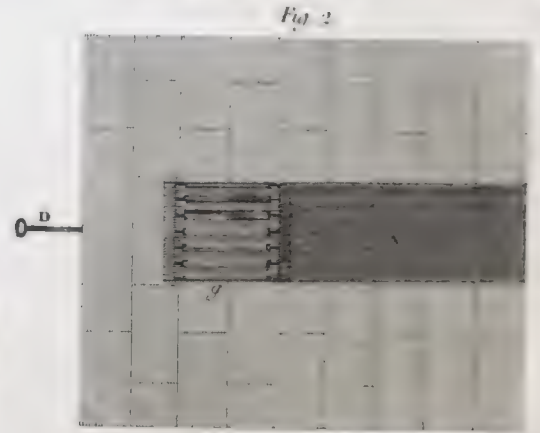


Fig. 2.

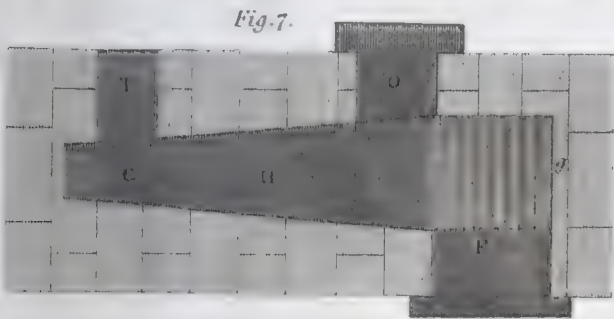


Fig. 7.

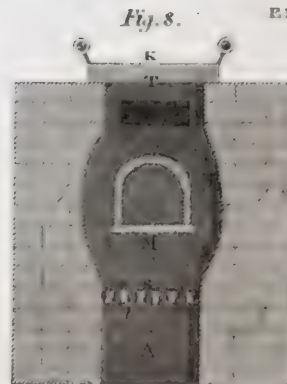


Fig. 8.

ENAMELLING FURNACE.

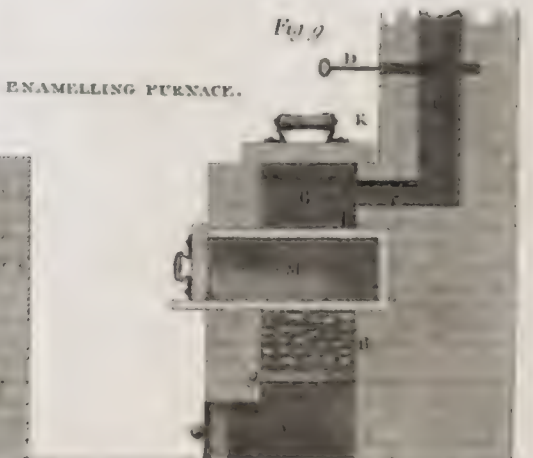


Fig. 9.



Fig. 10.

MUFFLE FURNACE.

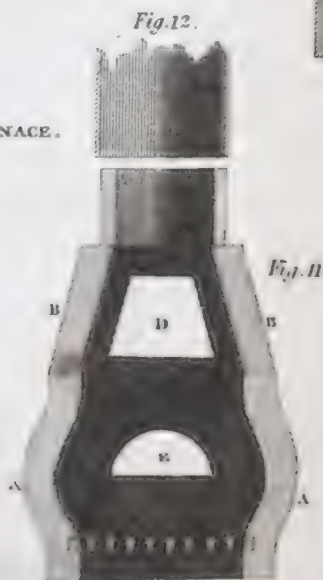


Fig. 12.

Fig. 11.

PIRE TONGS.

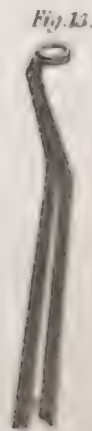


Fig. 13.



Fig. 14.



Fig. 15.



Fig. 16.

Fig. 1.



Fig. 2.

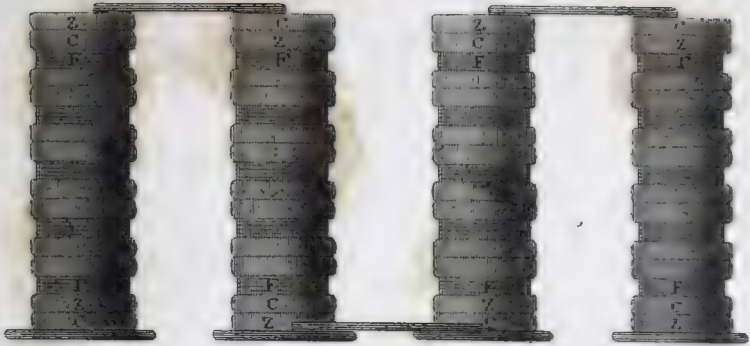


Fig. 3.



Fig. 5.

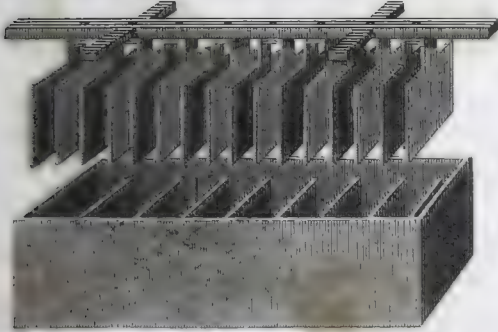


Fig. 6.



Fig. 7.

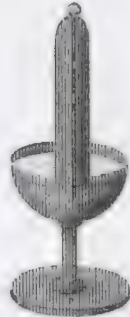


Fig. 4.

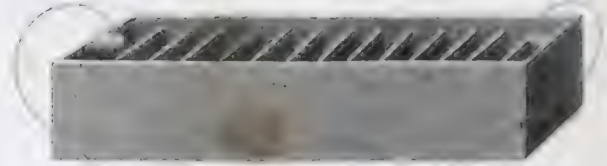


Fig. 11.



Fig. 8.



Fig. 9.

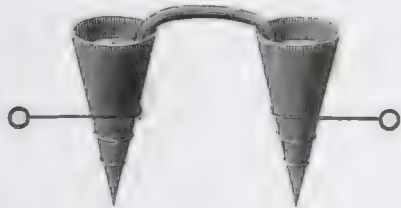


Fig. 10.



Fig. 12.



Fig. 13.



Fig. 15.

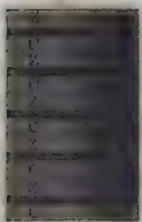


Fig. 16.



Fig. 17.



Fig. 18.

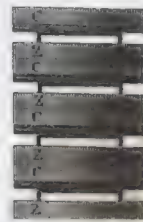


Fig. 11.



Fig. 19.

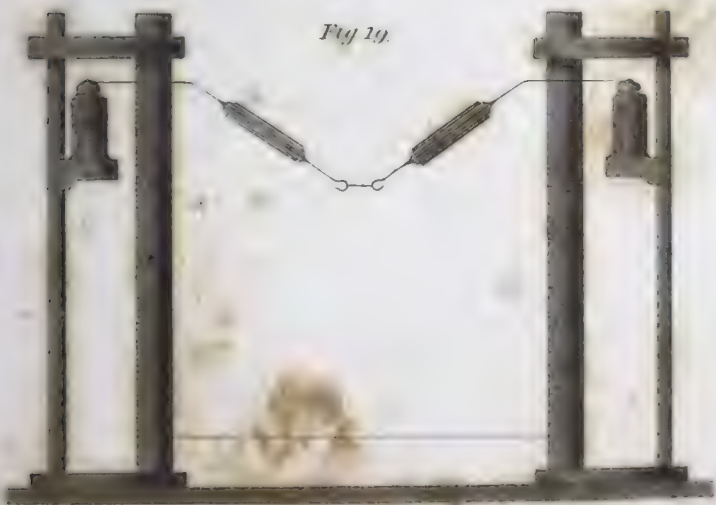


Fig. 22.



Fig. 20.



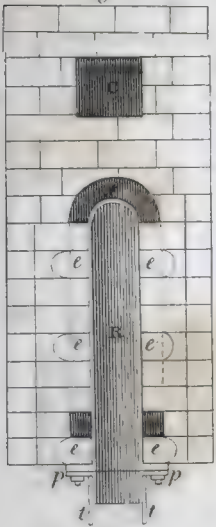
Fig. 21.

Z	C	Z	C
C	Z	C	Z
Z	C	Z	C
C	Z	C	Z
Z	C	Z	C
C	Z	C	Z
Z	C	Z	C
C	Z	C	Z

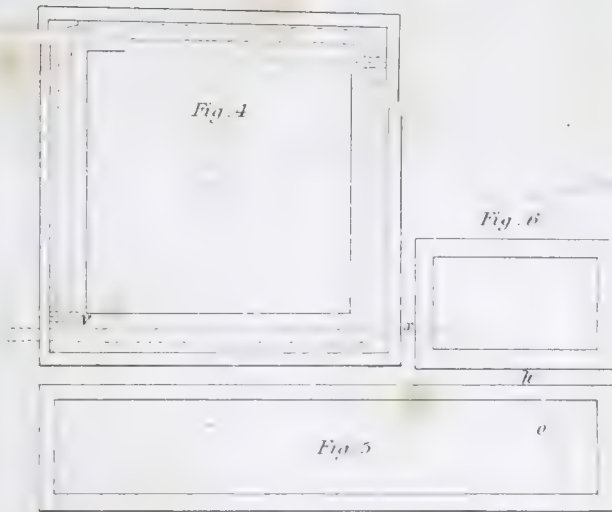


GAS LIGHTS.

PLAN SECTION.
Fig. 1.

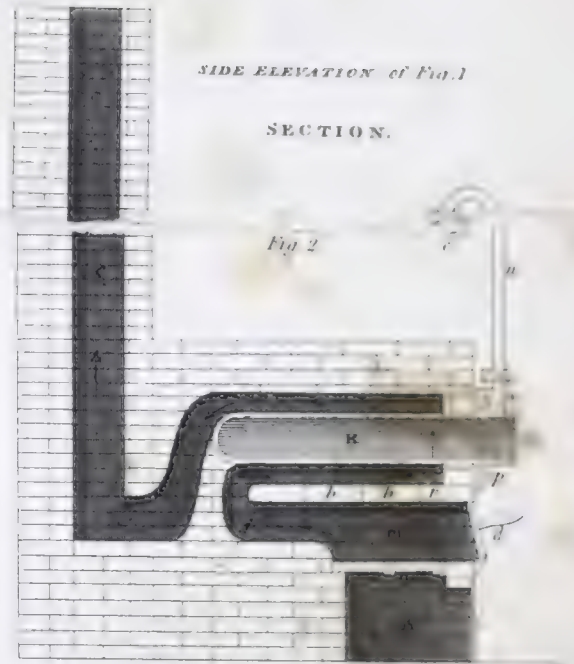


PLAN of Fig. 7.

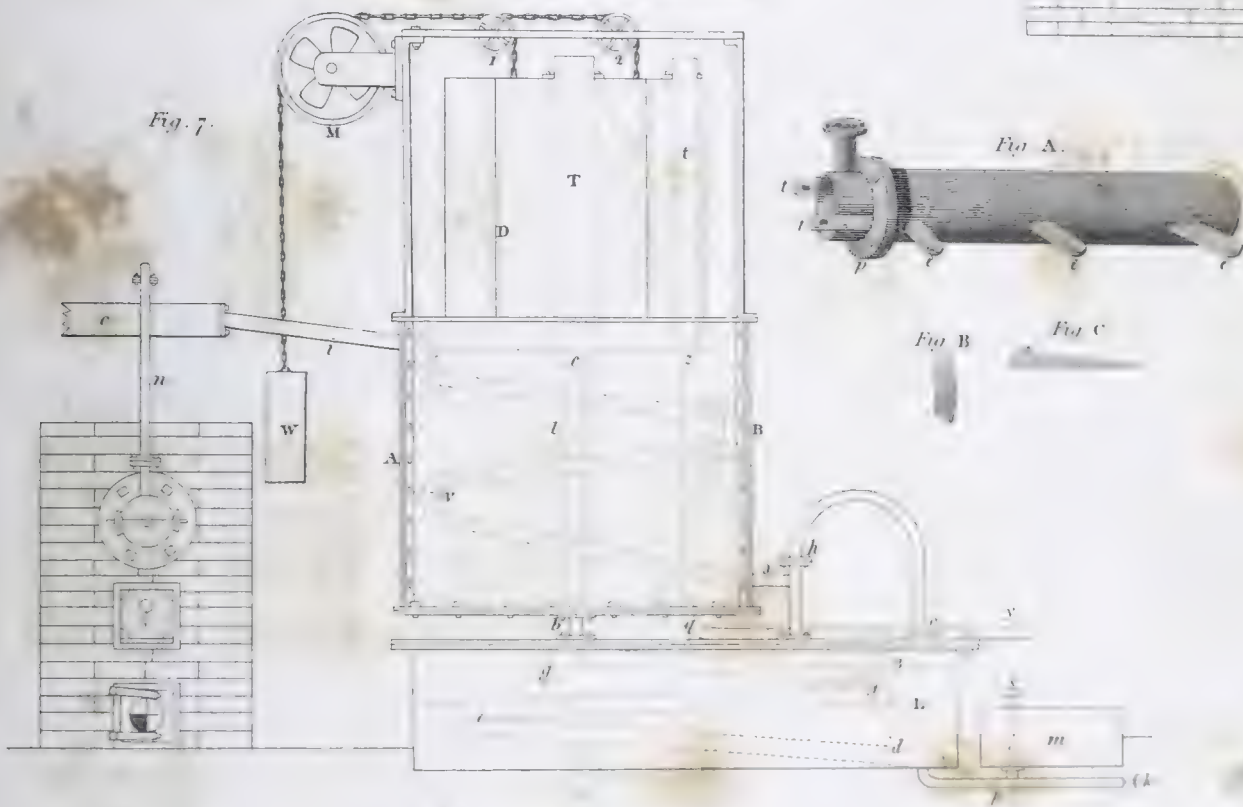


SIDE ELEVATION of Fig. 1

SECTION.



FRONT ELEVATION of the WHOLE APPARATUS.



FRONT SECTION of Fig. 1
Fig. 3

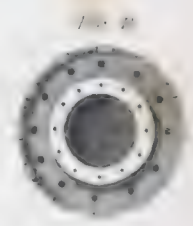
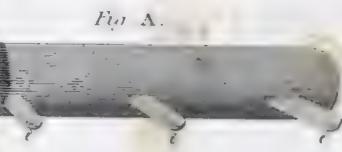


Fig. 9

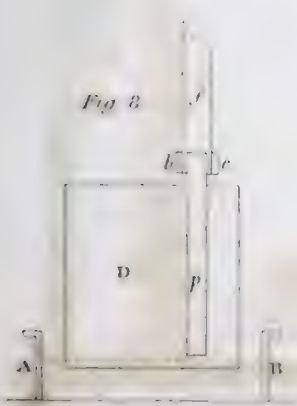


Fig. 10.

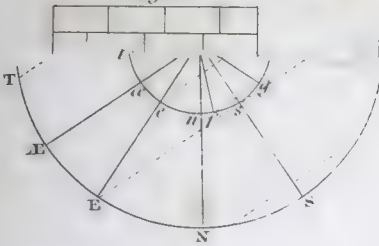


Fig. 11

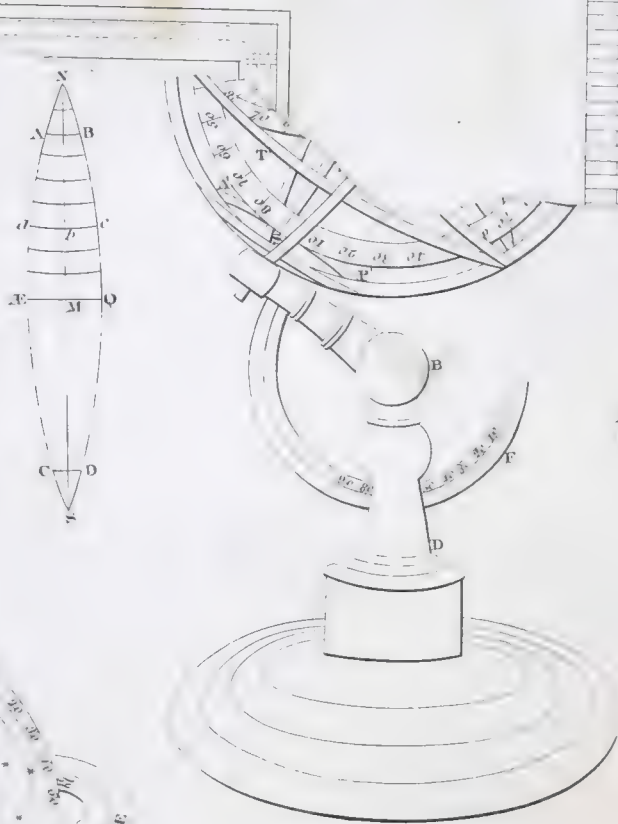




PLAN SECTION.
Fig. 1.



PLAN of Fig. 7.



SIDE ELEVATION of Fig. 1.

SECTION.



Fig. 12

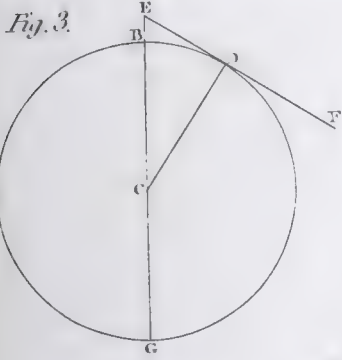


Fig. 3.

Fig. 5.

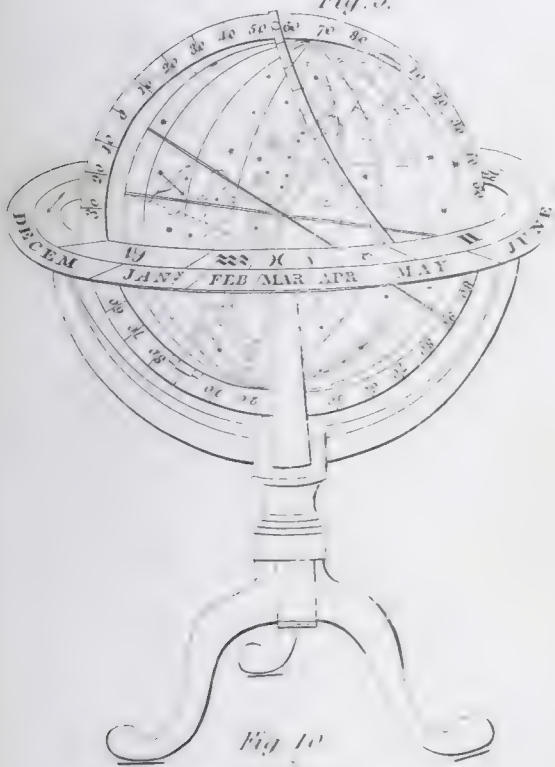


Fig. 10

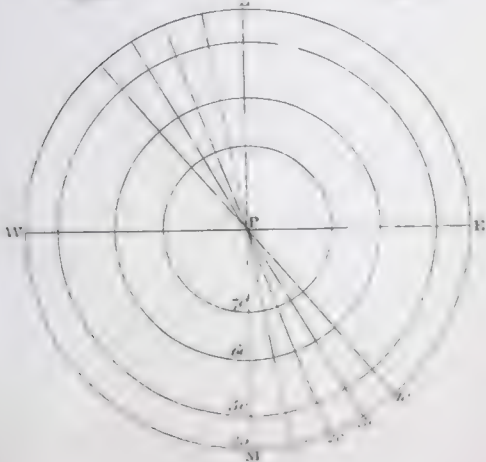


Fig. 9

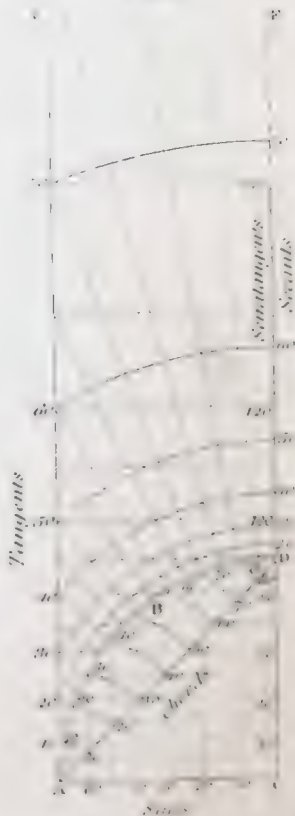


Fig. 6

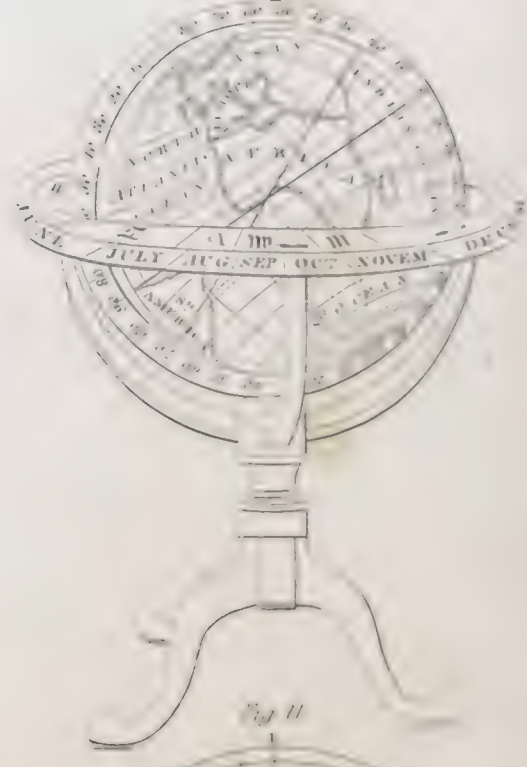


Fig. 11



Fig. 1.

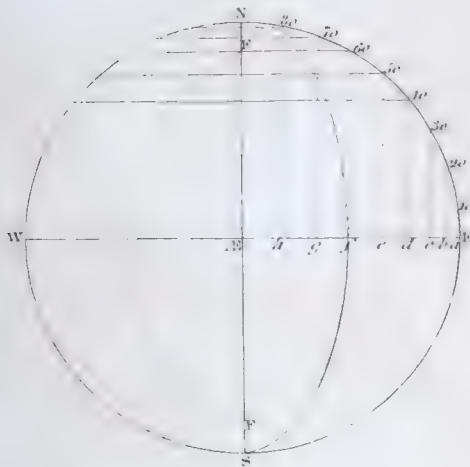


Fig. 2.

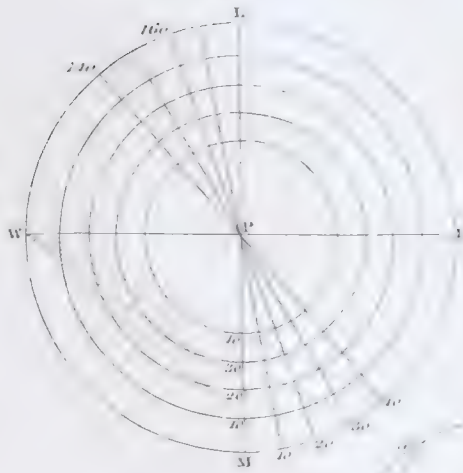


Fig. 3.



Fig. 4.

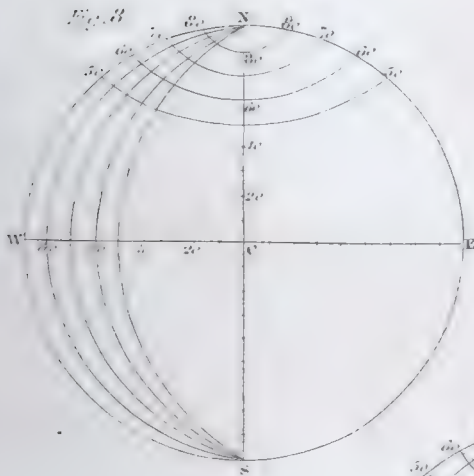


Fig. 5.

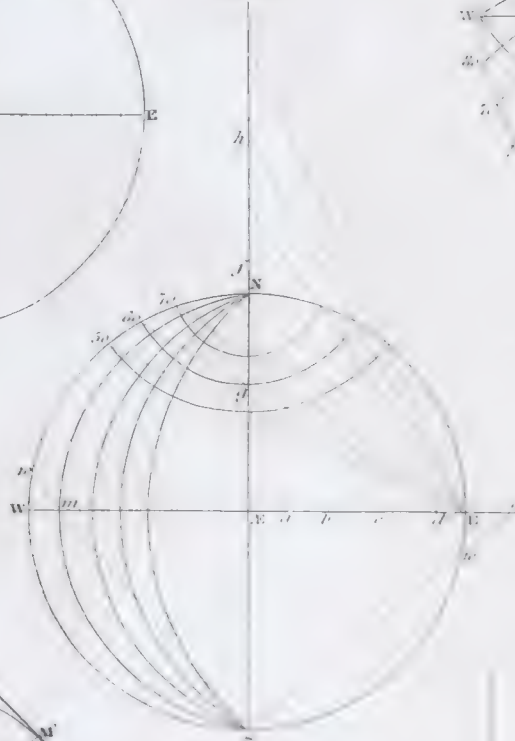


Fig. 6.

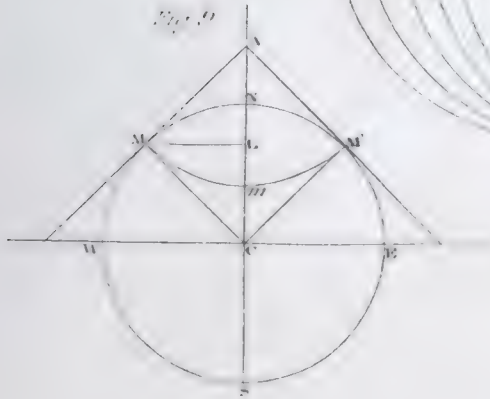


Fig. 7.



Inches for Fig. 10.

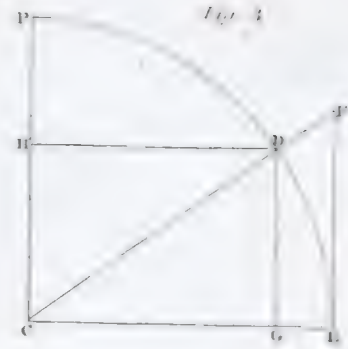
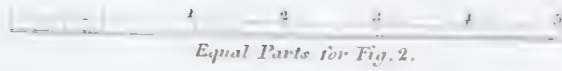
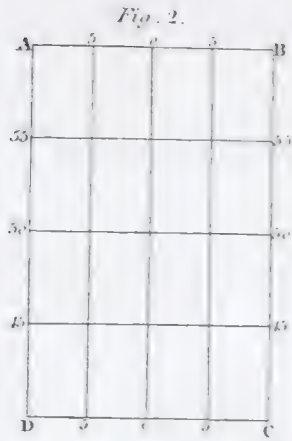
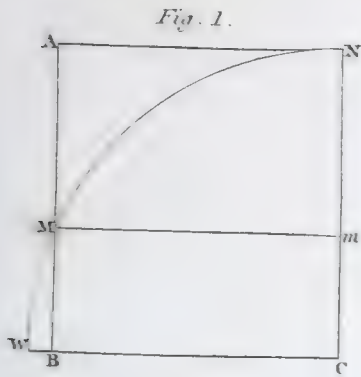


Fig. 4.

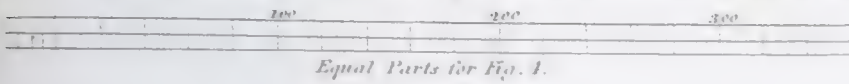
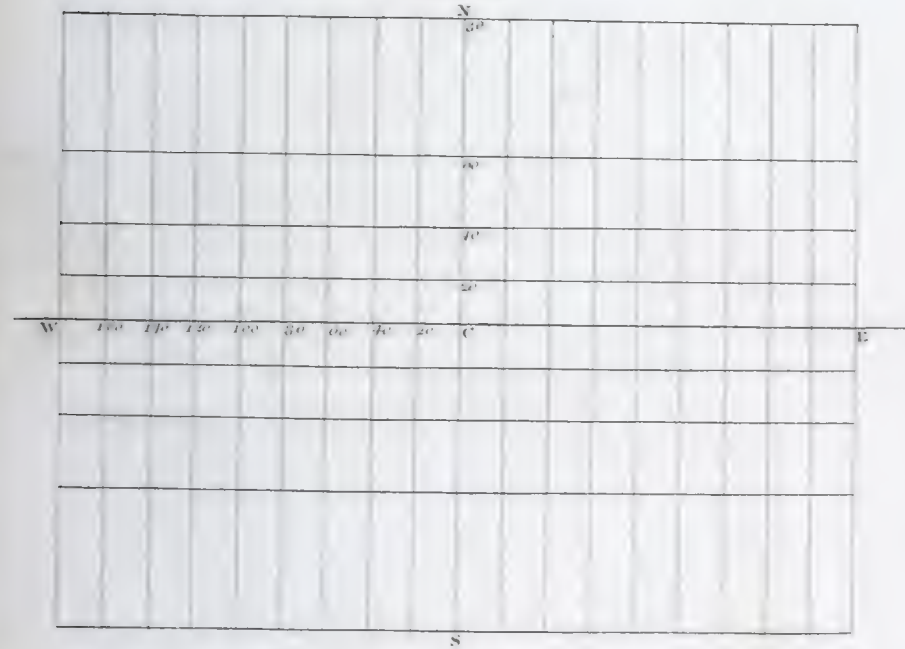


Fig. 5.

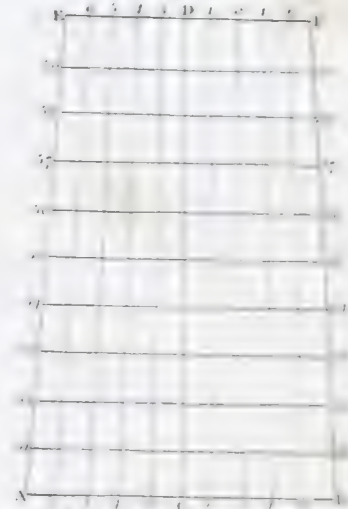
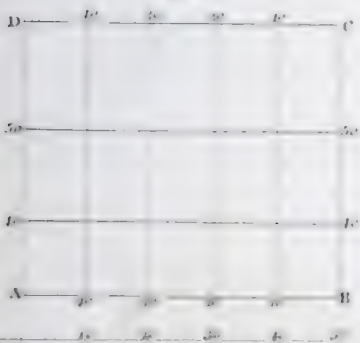


Fig. 5.



Equal Parts for Fig. 5.

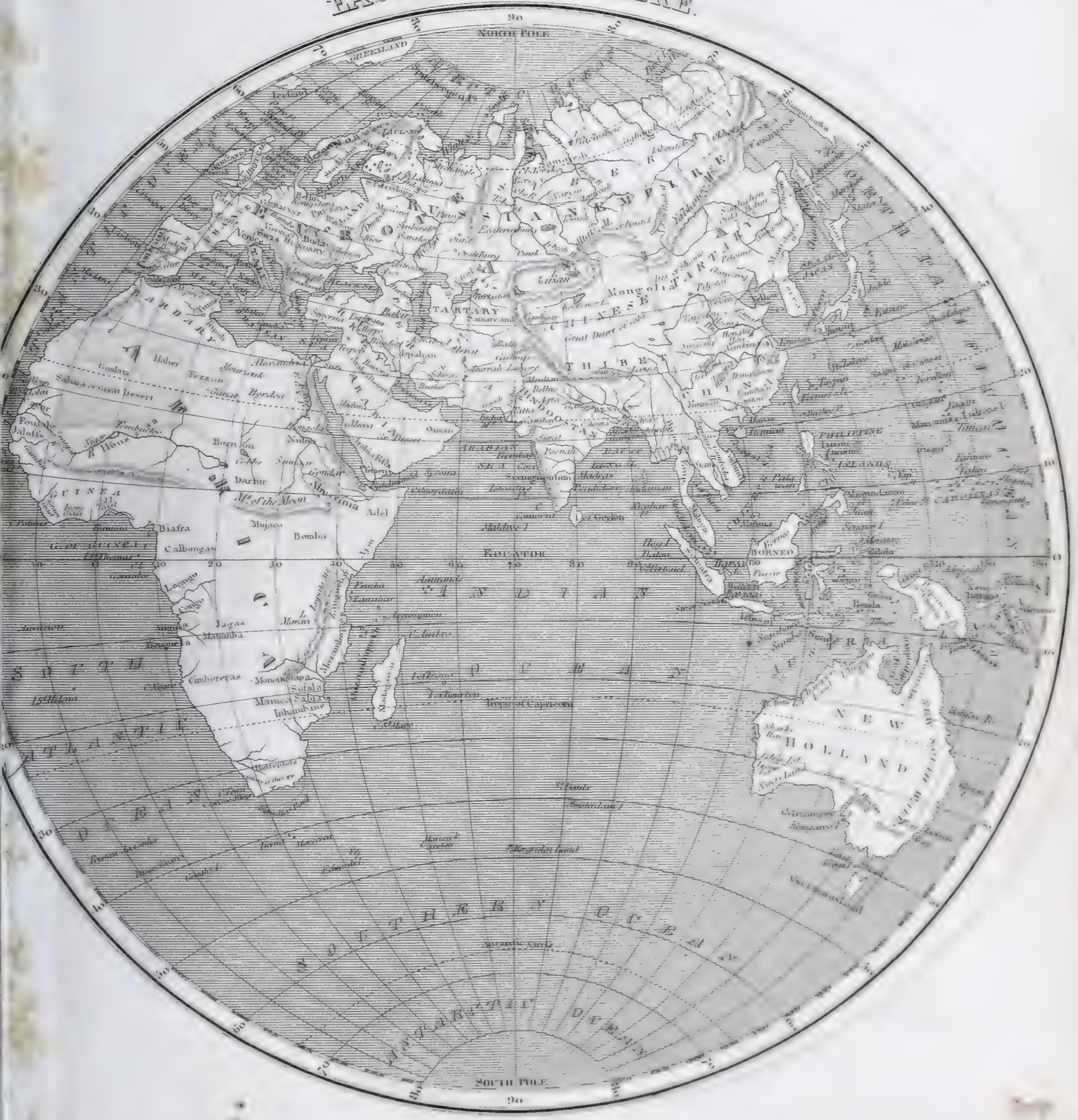
Fig. 6.



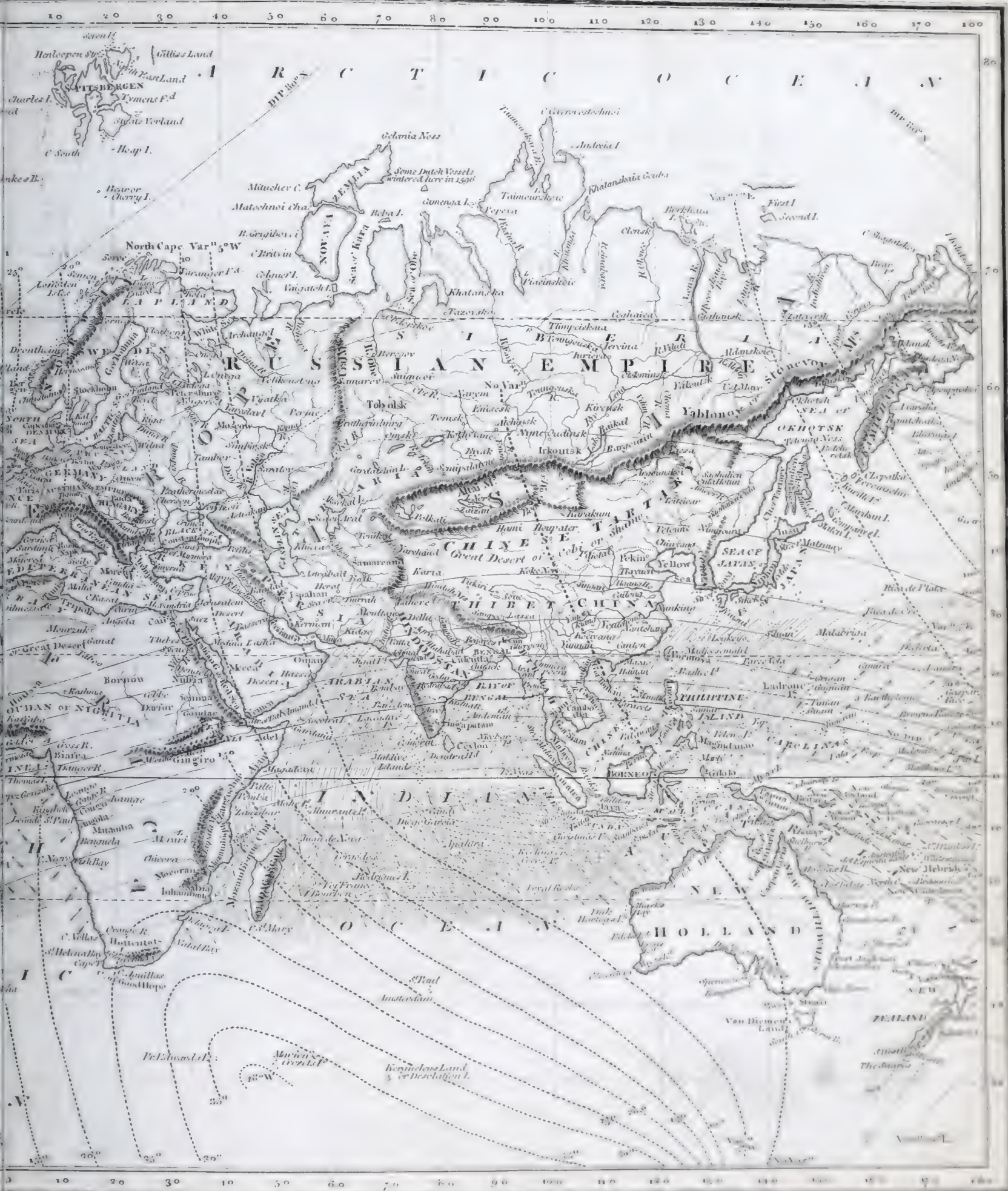
WESTERN HEMISPHERE.



EASTERN HEMISPHERE







Autumn Winter & Spring
 in the year at every place through which the dotted line passes
 at every place through which the line passes.



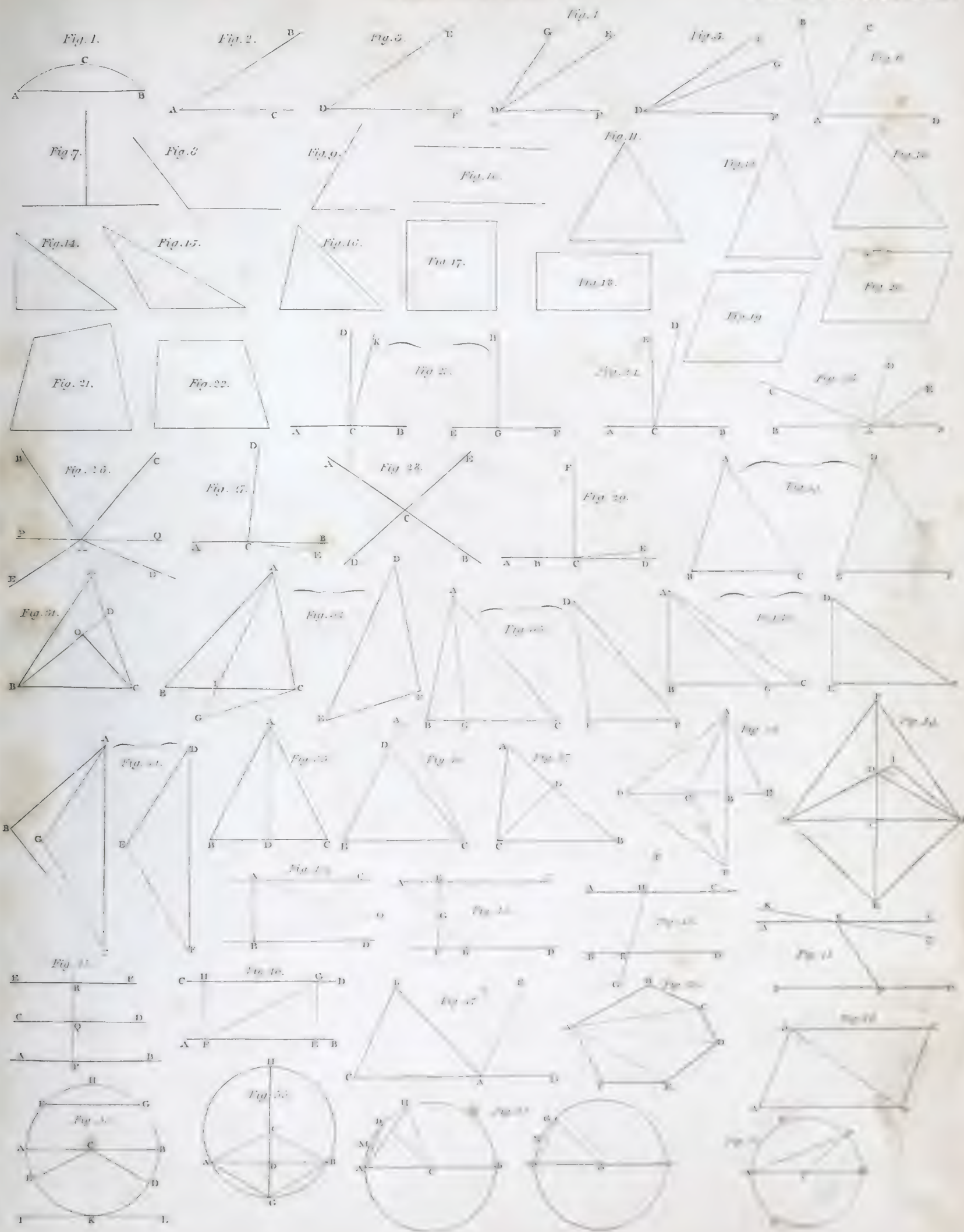




Fig. 51.

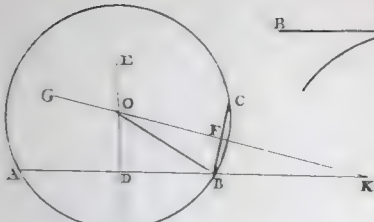


Fig. 56.

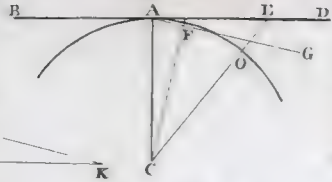


Fig. 55.

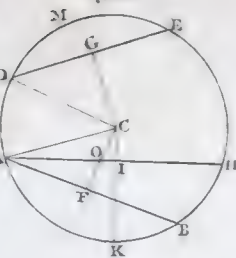


Fig. 57.

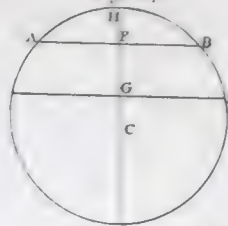


Fig. 61.

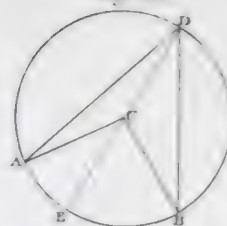


Fig. 64.



Fig. 58.

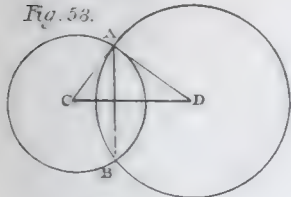


Fig. 59.

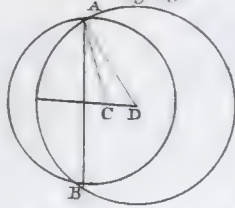


Fig. 60.

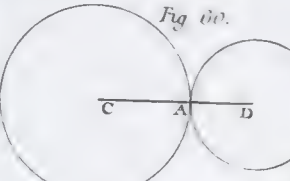


Fig. 61.

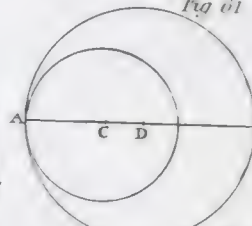


Fig. 62.

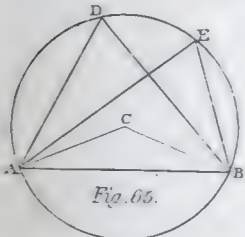
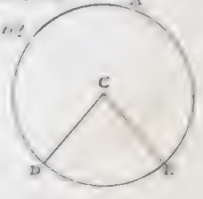
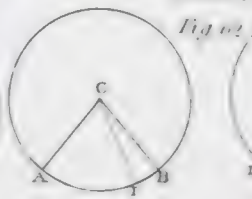


Fig. 65.

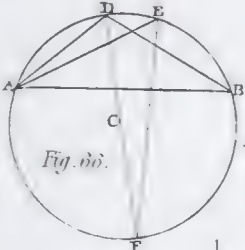


Fig. 66.

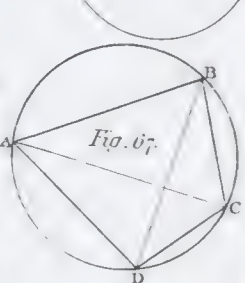


Fig. 67.

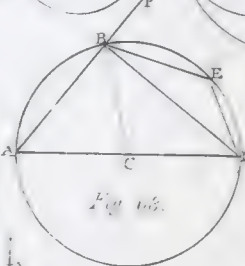


Fig. 68.

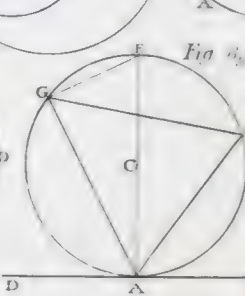


Fig. 69.

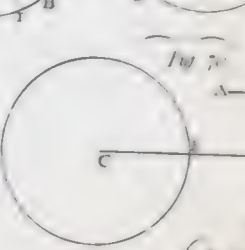


Fig. 70.

Fig. 72.

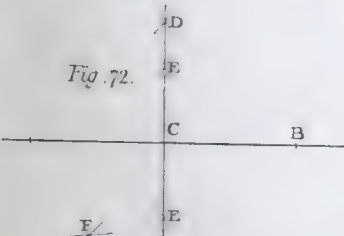


Fig. 73.

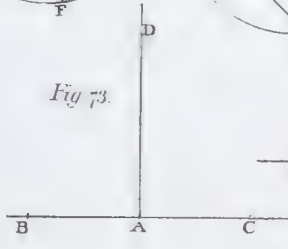


Fig. 74.

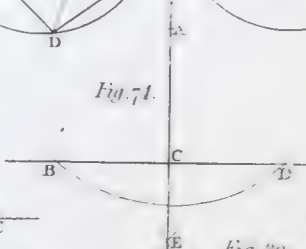


Fig. 75.

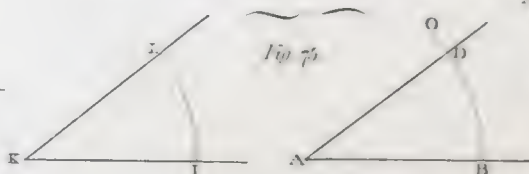


Fig. 76.



Fig. 77.



Fig. 79.

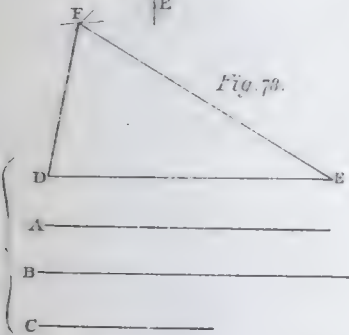


Fig. 80.

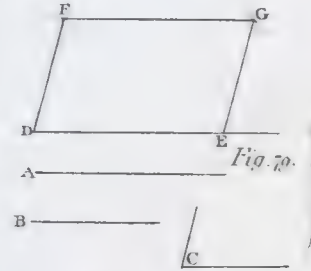


Fig. 80.

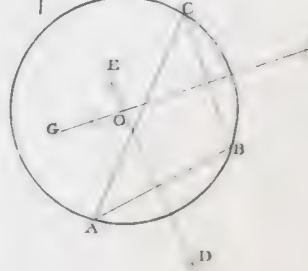


Fig. 77.

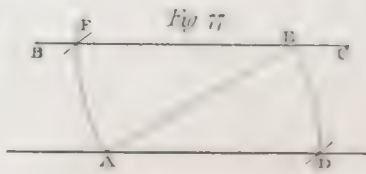


Fig. 81.

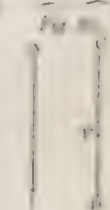


Fig. 82.

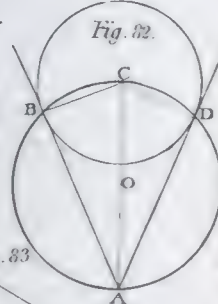


Fig. 81.

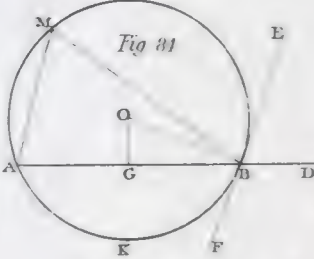


Fig. 80.

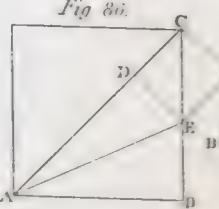


Fig. 87.

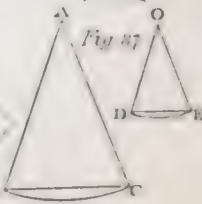


Fig. 89.

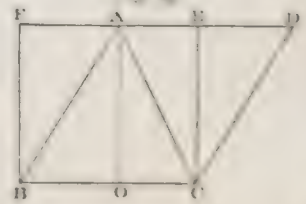


Fig. 83.

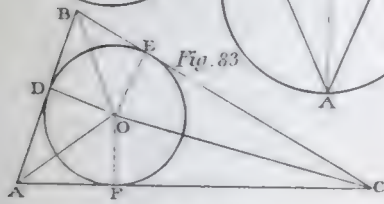


Fig. 88.

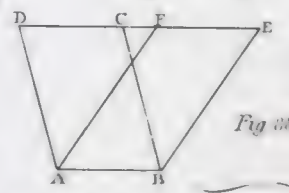


Fig. 84.

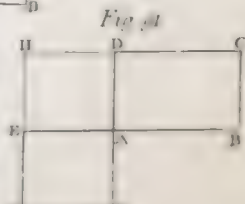


Fig. 85.

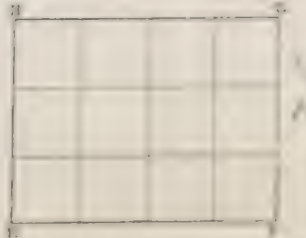


Fig. 90.

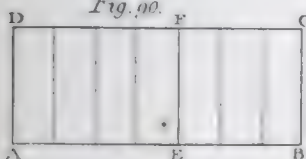


Fig. 91.

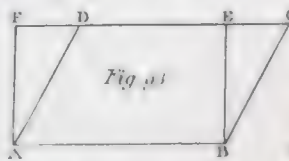


Fig. 91.

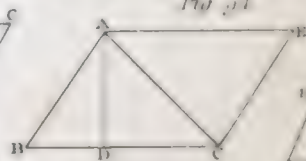


Fig. 92.

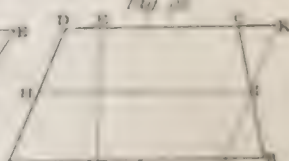


Fig. 93.

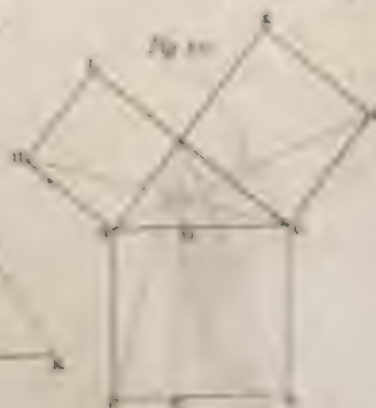


Fig. 97.

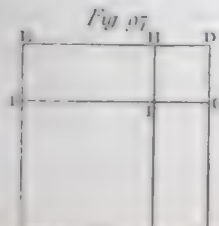


Fig. 98.

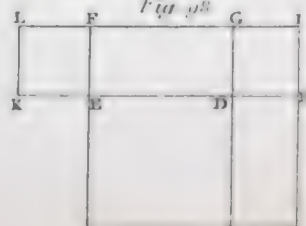


Fig. 99.

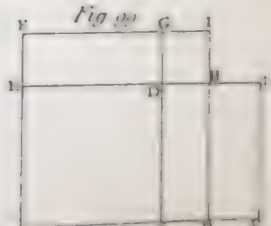
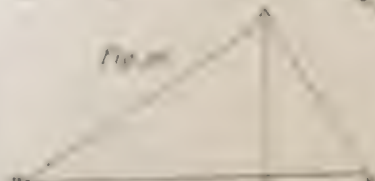


Fig. 96.



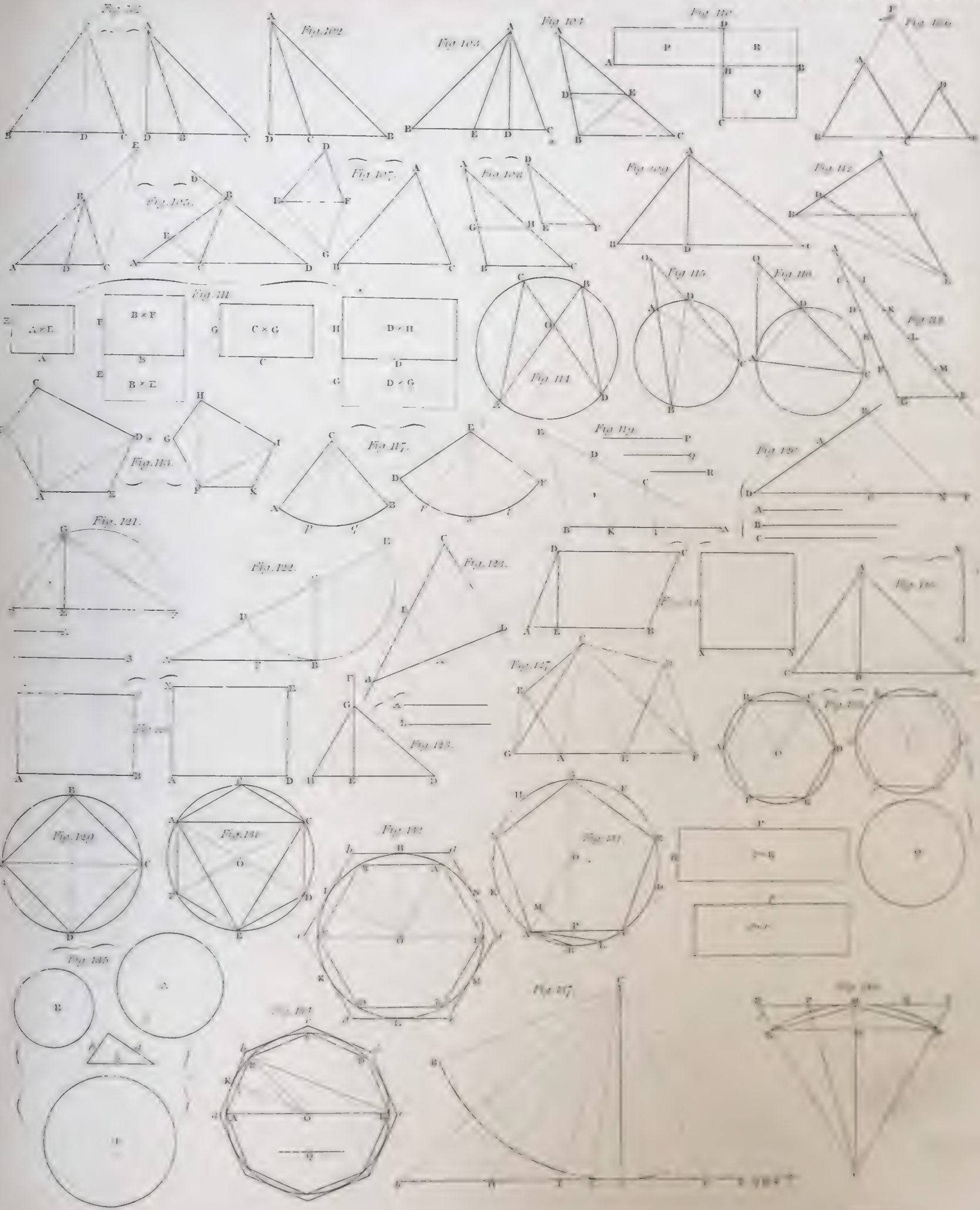


Fig. 133.

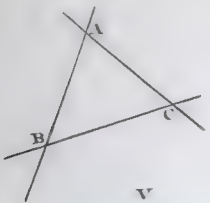


Fig. 134.

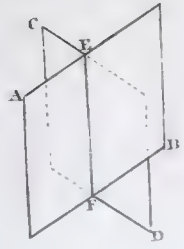


Fig. 140.

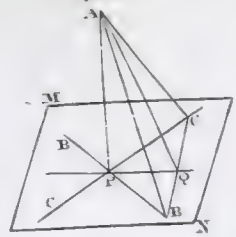


Fig. 141.

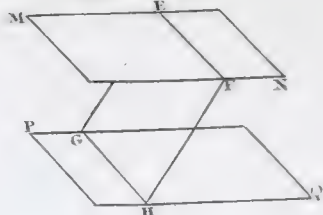


Fig. 142.

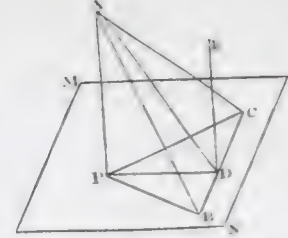


Fig. 143.

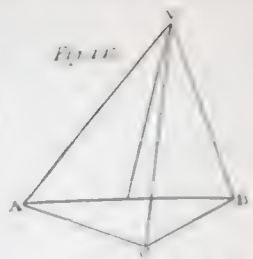


Fig. 143.

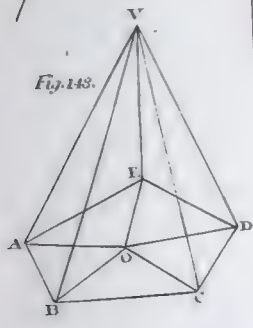


Fig. 142.

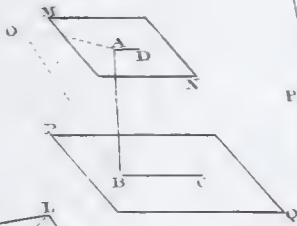


Fig. 144.

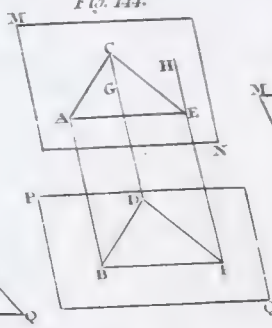


Fig. 145.

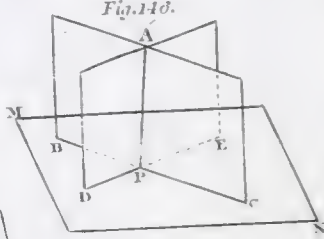


Fig. 145.

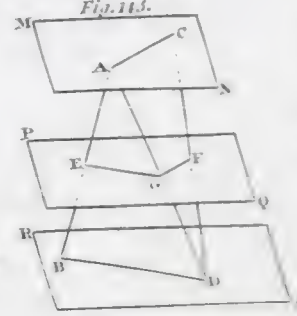


Fig. 152.

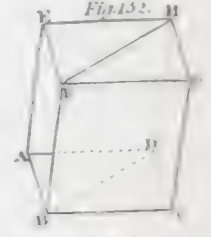


Fig. 153.

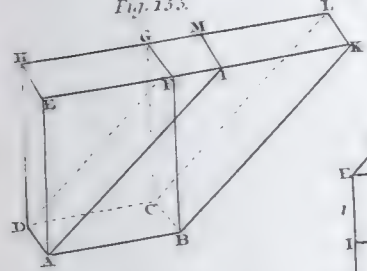


Fig. 152.

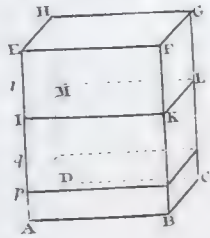


Fig. 154.

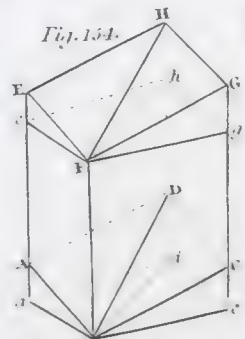


Fig. 149.

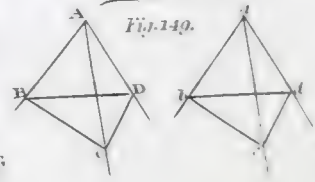


Fig. 150.

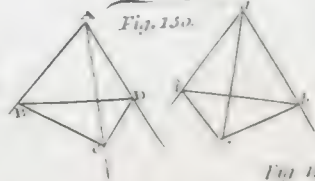


Fig. 151.

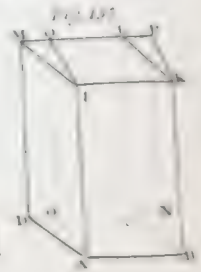


Fig. 162.

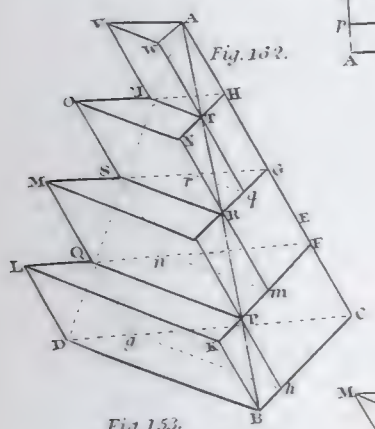


Fig. 160.

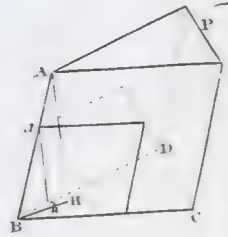


Fig. 151.

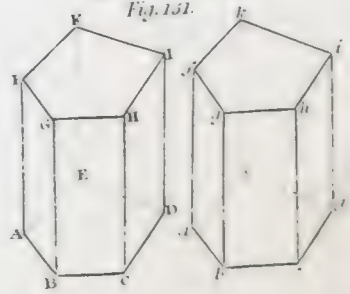


Fig. 152.

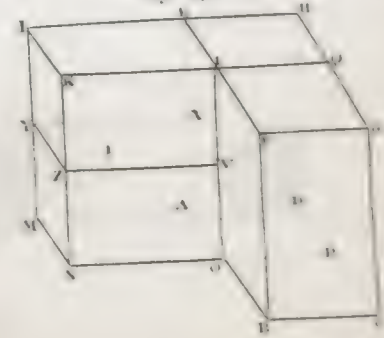


Fig. 153.

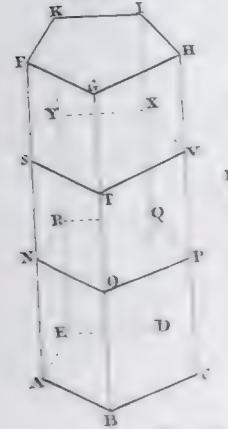


Fig. 163.

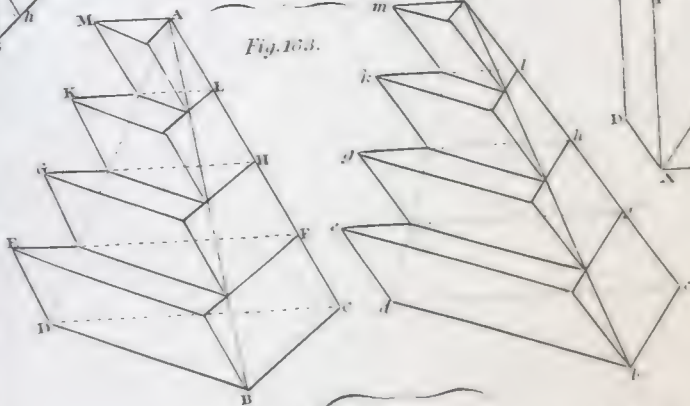


Fig. 156.

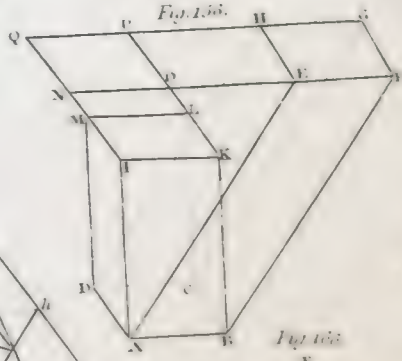


Fig. 157.

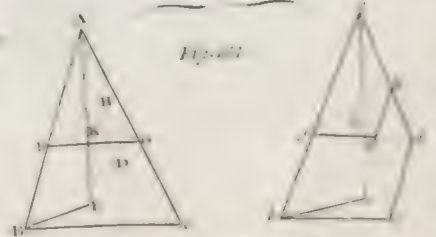


Fig. 166.

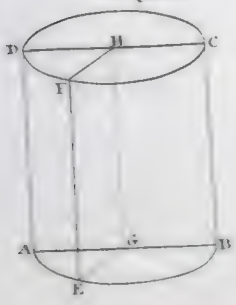


Fig. 166.

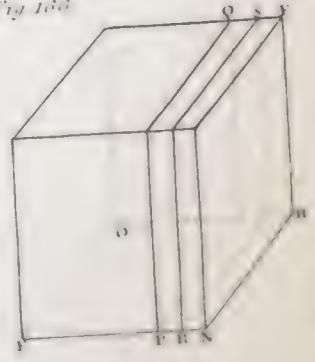


Fig. 167.

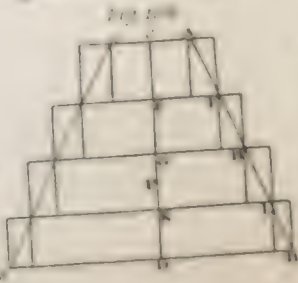
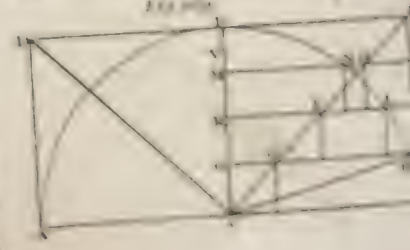
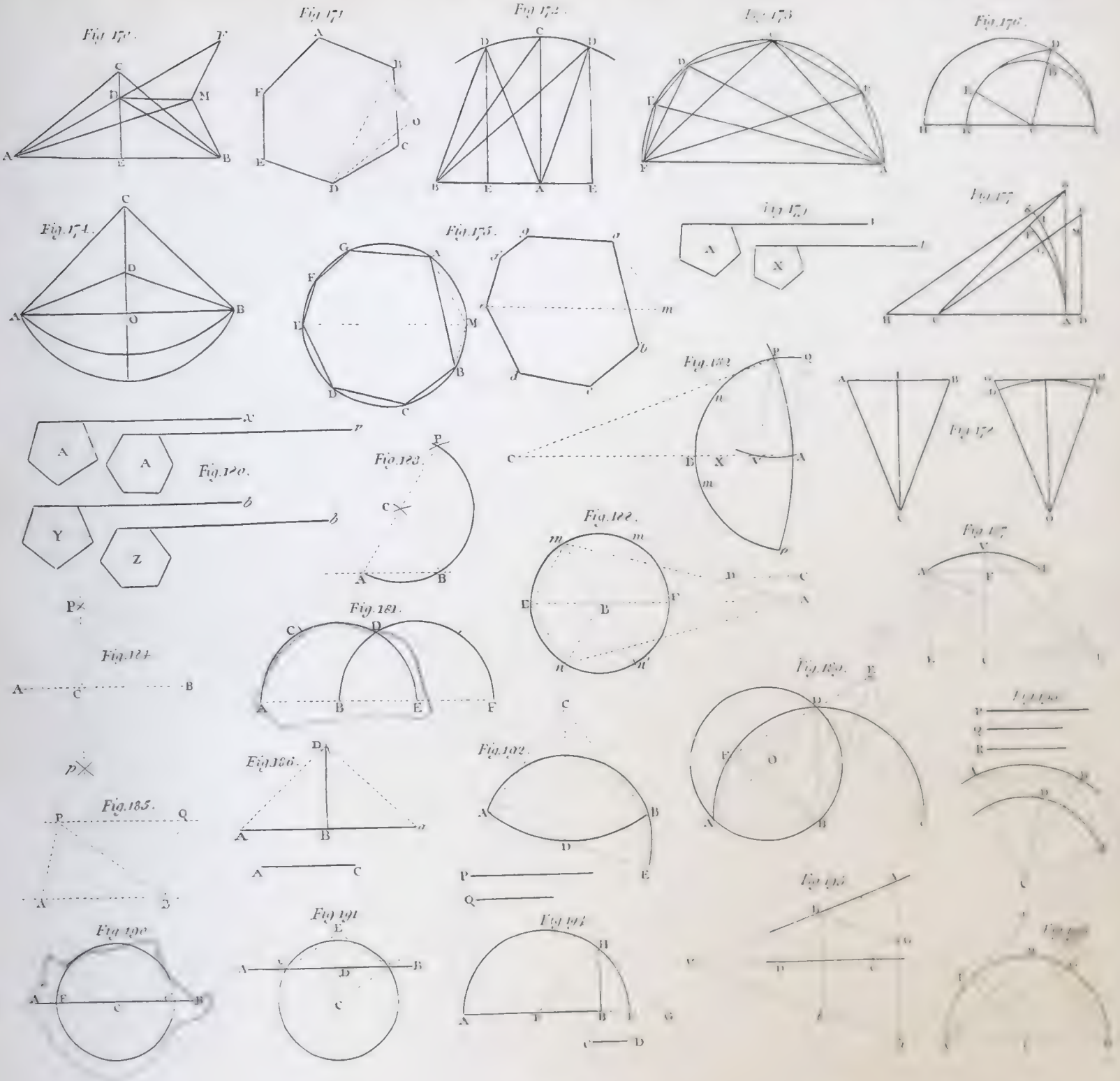


Fig. 168.





GLASS TEARS





Fig. 1.

BOTTLE GLASS HOUSE

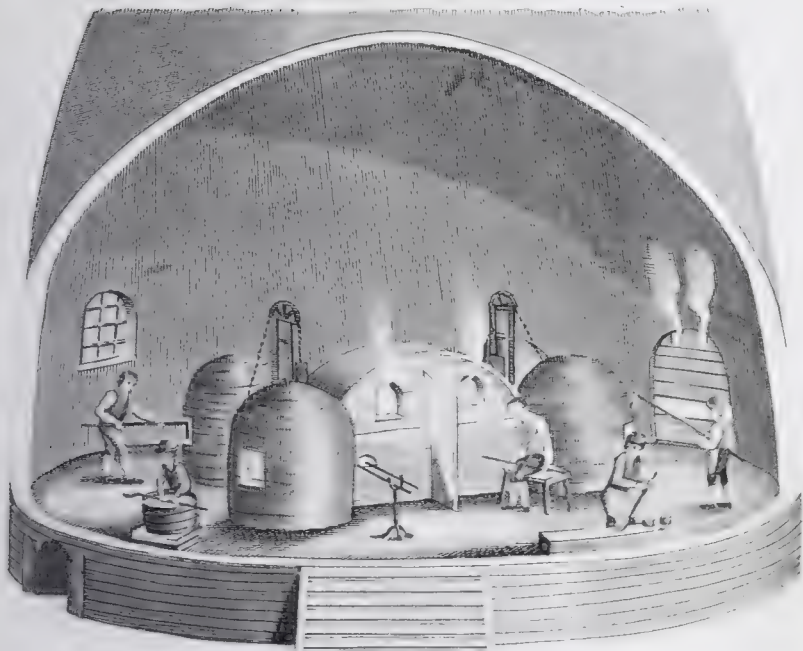


Fig. 2.

CROWN GLASS HOUSE

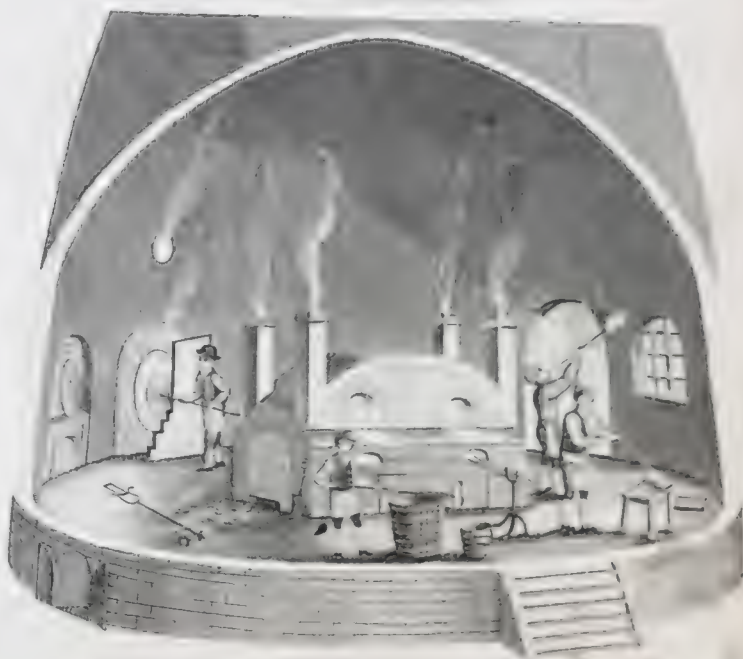


Fig. 3.

FLINT GLASS HOUSE



Fig. 4.



Fig. 5.



Fig. 7.

View of the Inside of the Flint Glass Furnace



Fig. 6.

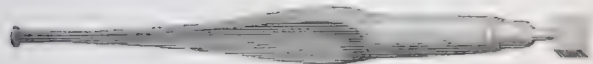


Fig. 8.

View of the Inside of the Crown Glass Furnace

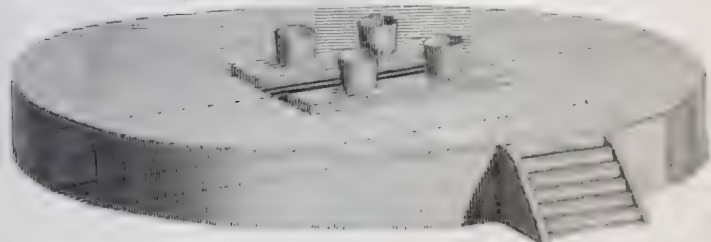


Fig. 9.

View of the Inside of the Bottle Glass Furnace



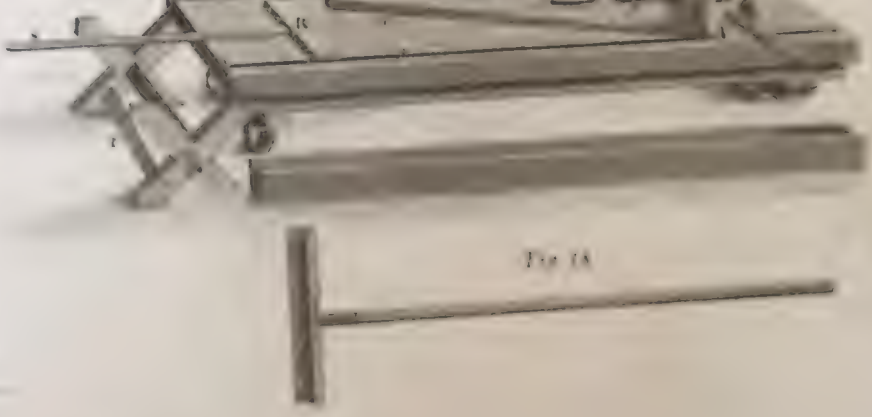
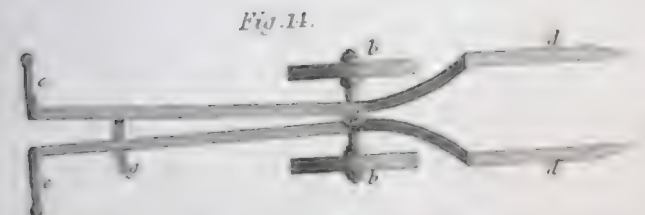
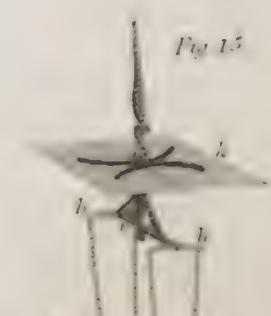
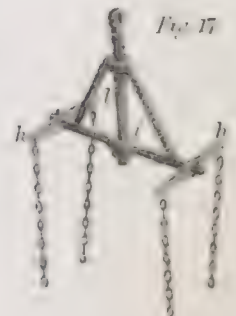
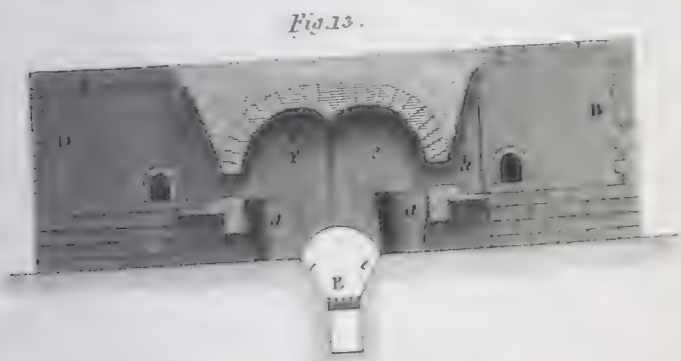
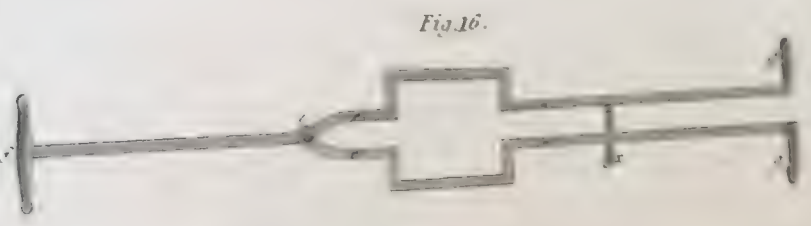
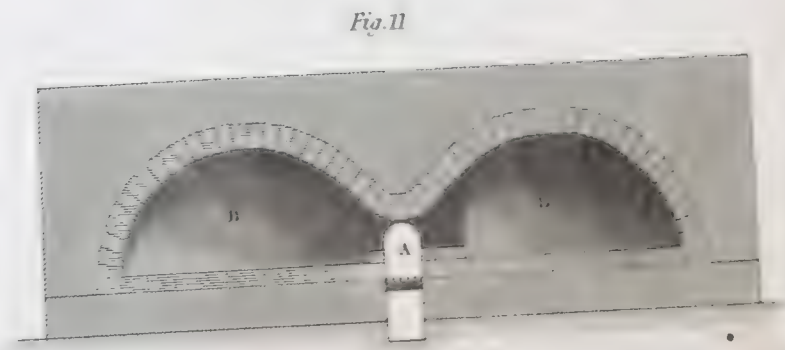
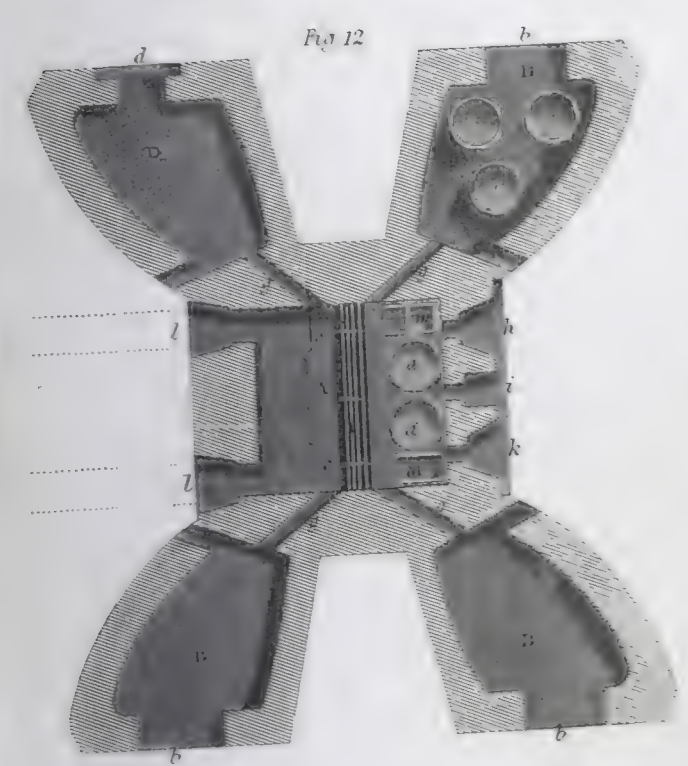
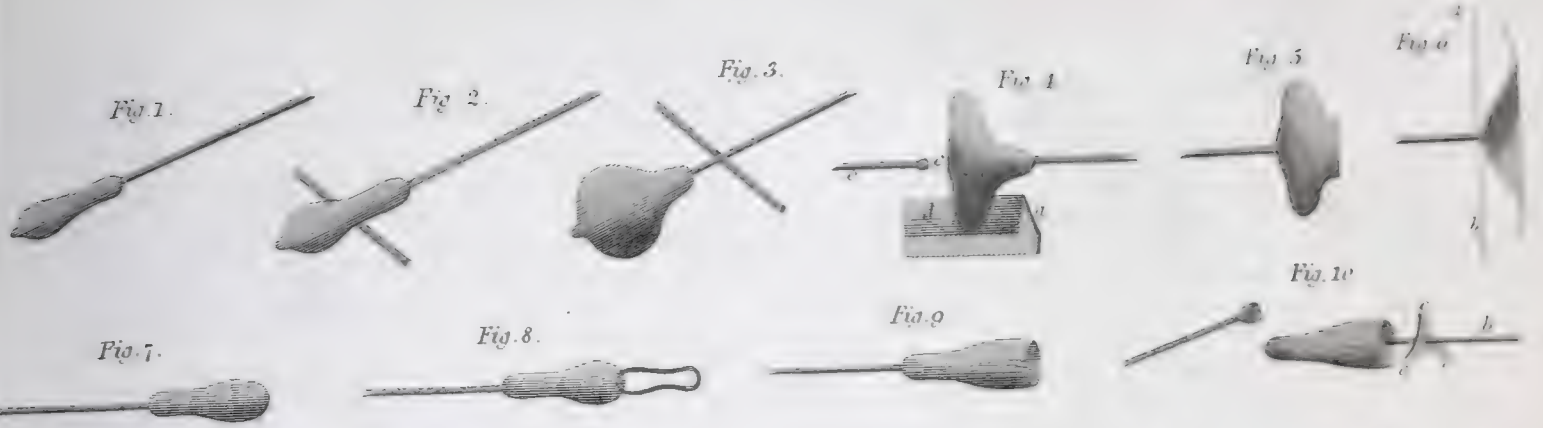




Fig. 1.

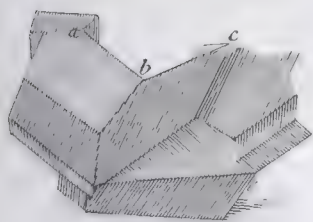


Fig. 2.

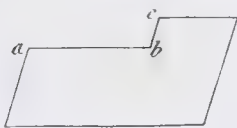


Fig. 3.

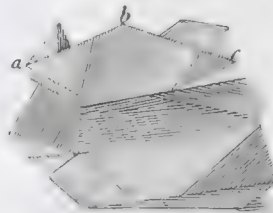


Fig. 4.



Fig. 5.

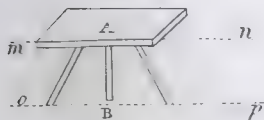


Fig. 6.

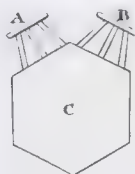


Fig. 7.

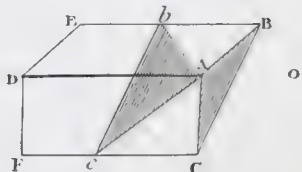


Fig. 8.

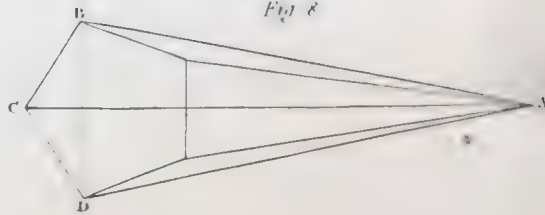


Fig. 10.

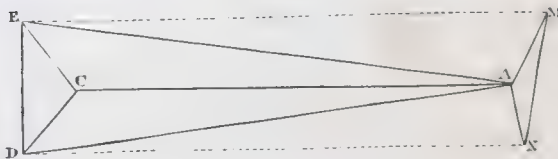


Fig. 15.



Fig. 9.

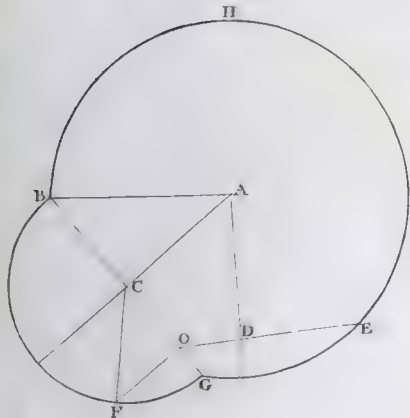


Fig. 11.



Fig. 12.



Fig. 13.

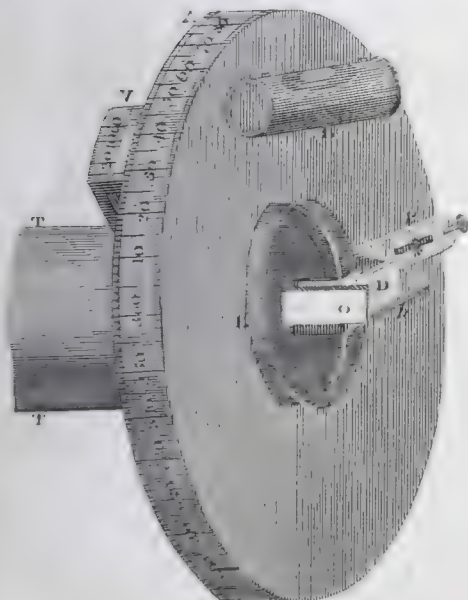
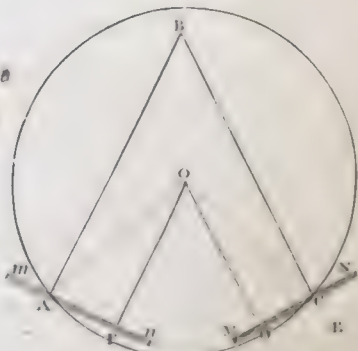


Fig. 14.



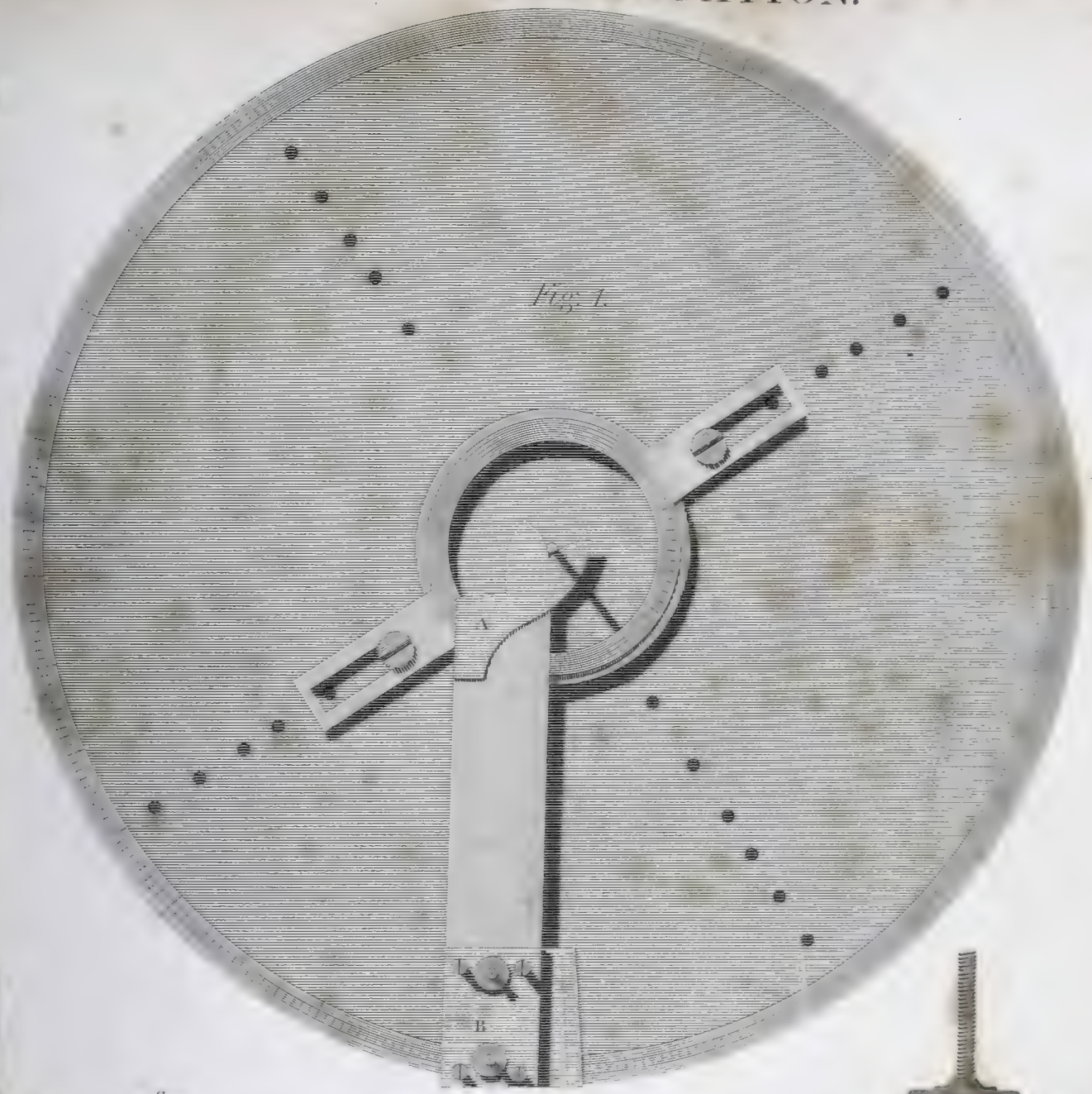


Fig. 2

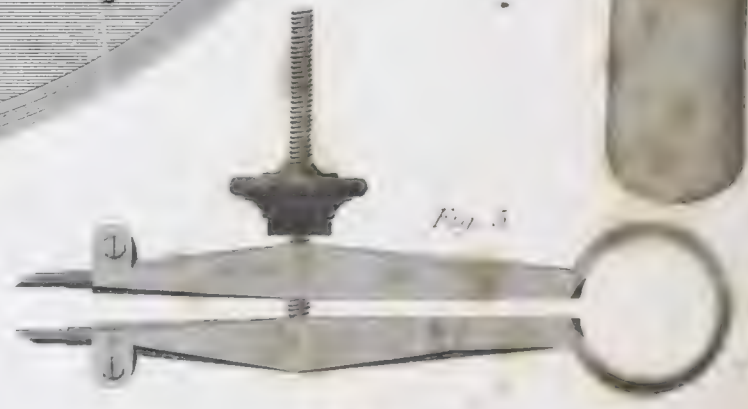
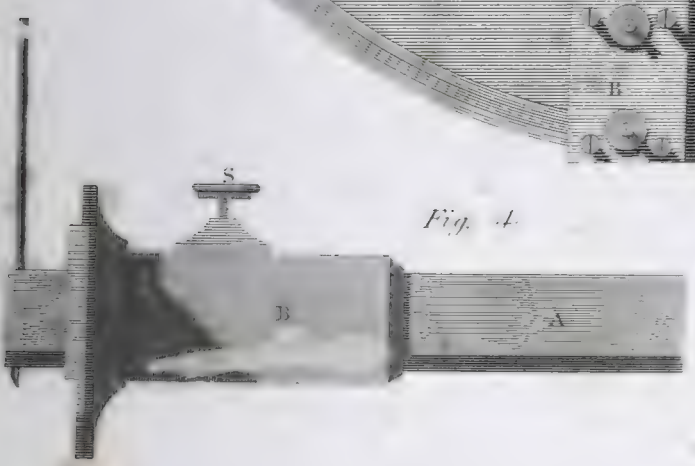
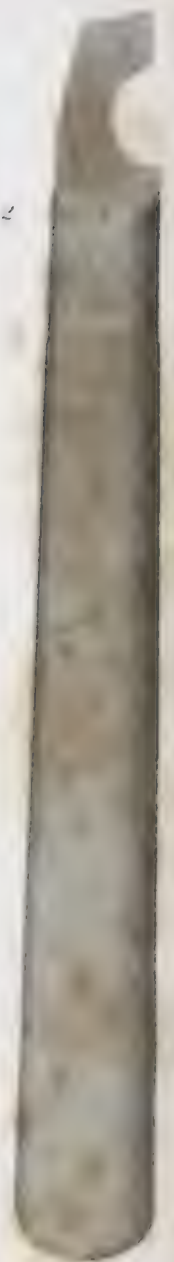


Fig. 3



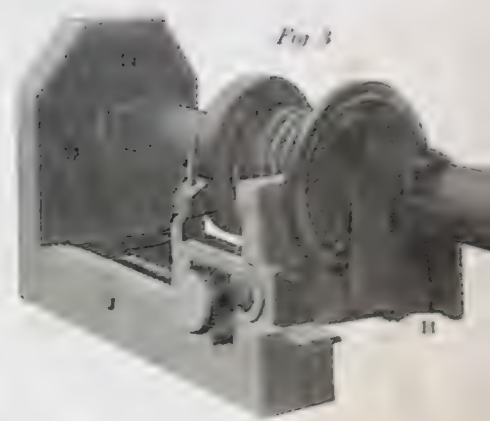
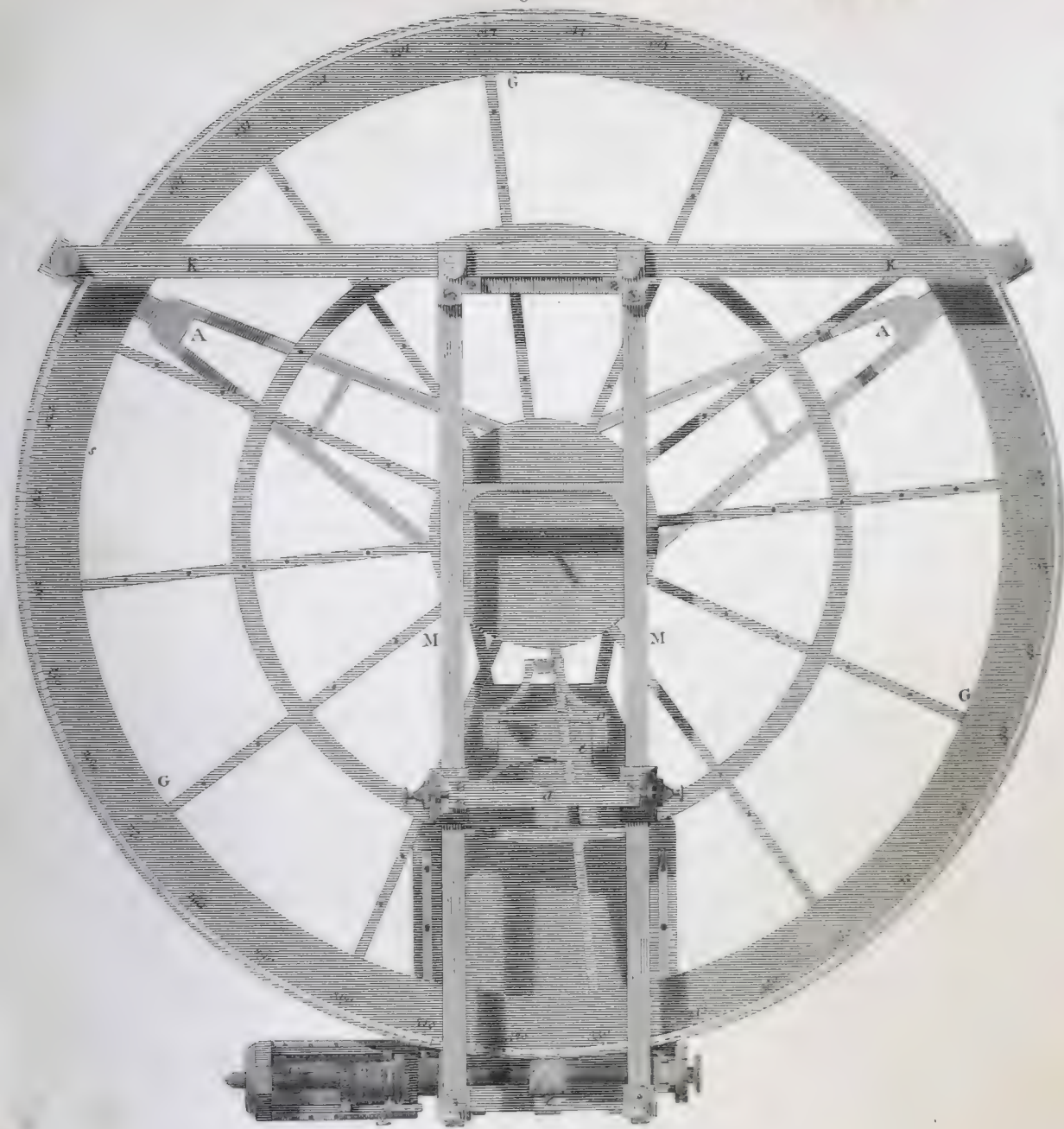


Fig. 2.

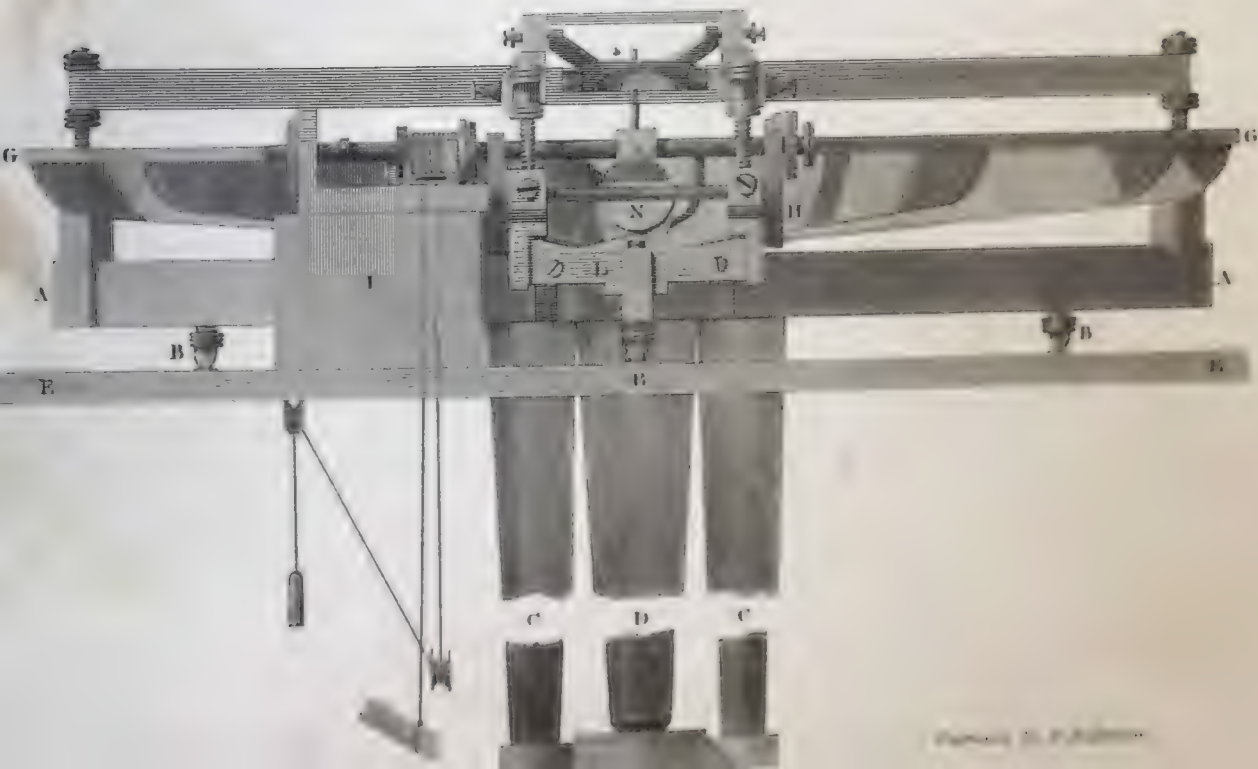


Fig. 5.

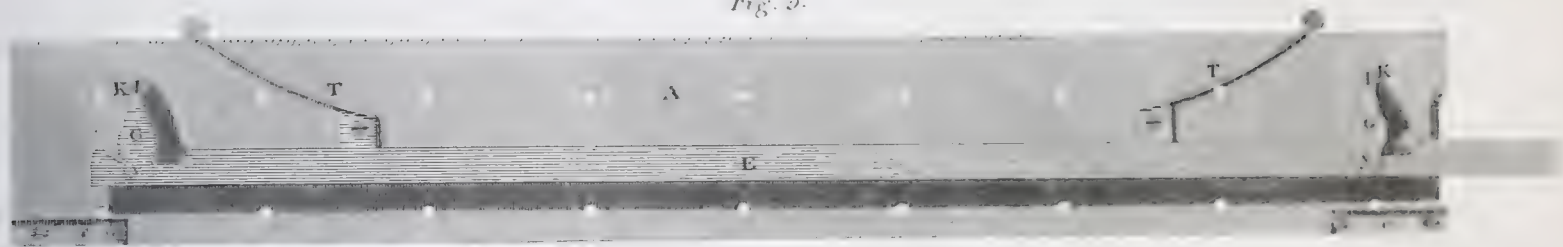


Fig. 1.

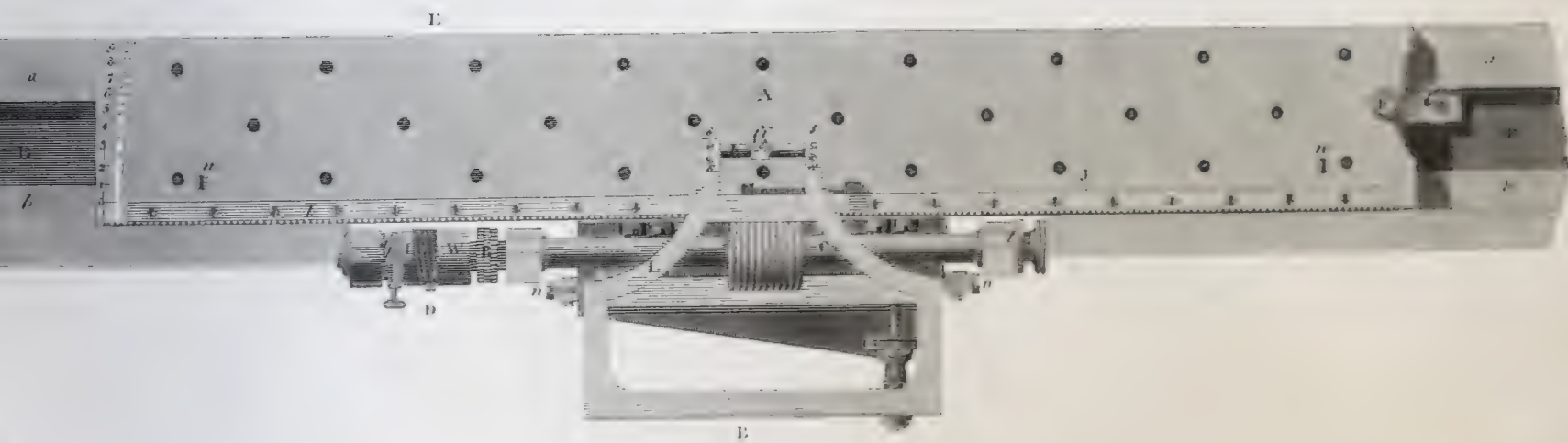
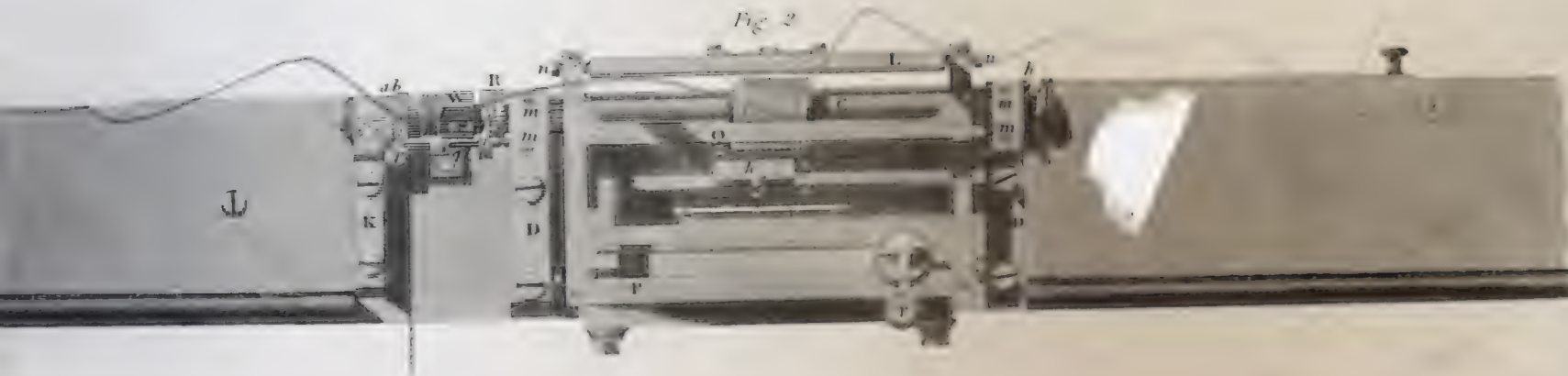
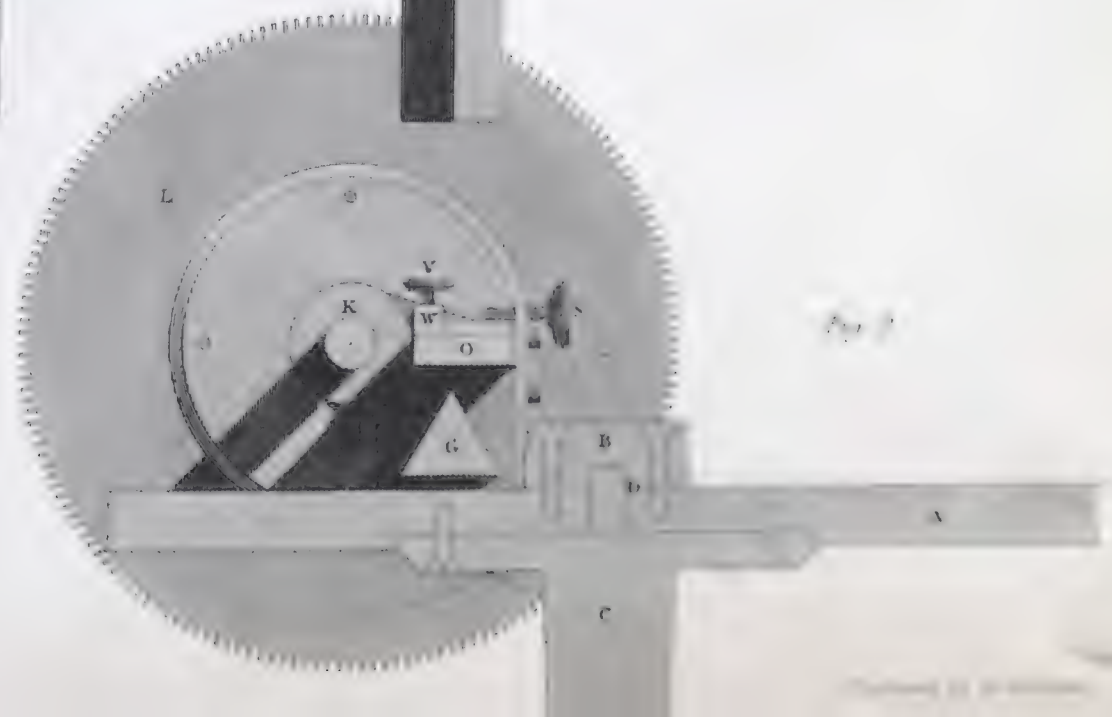
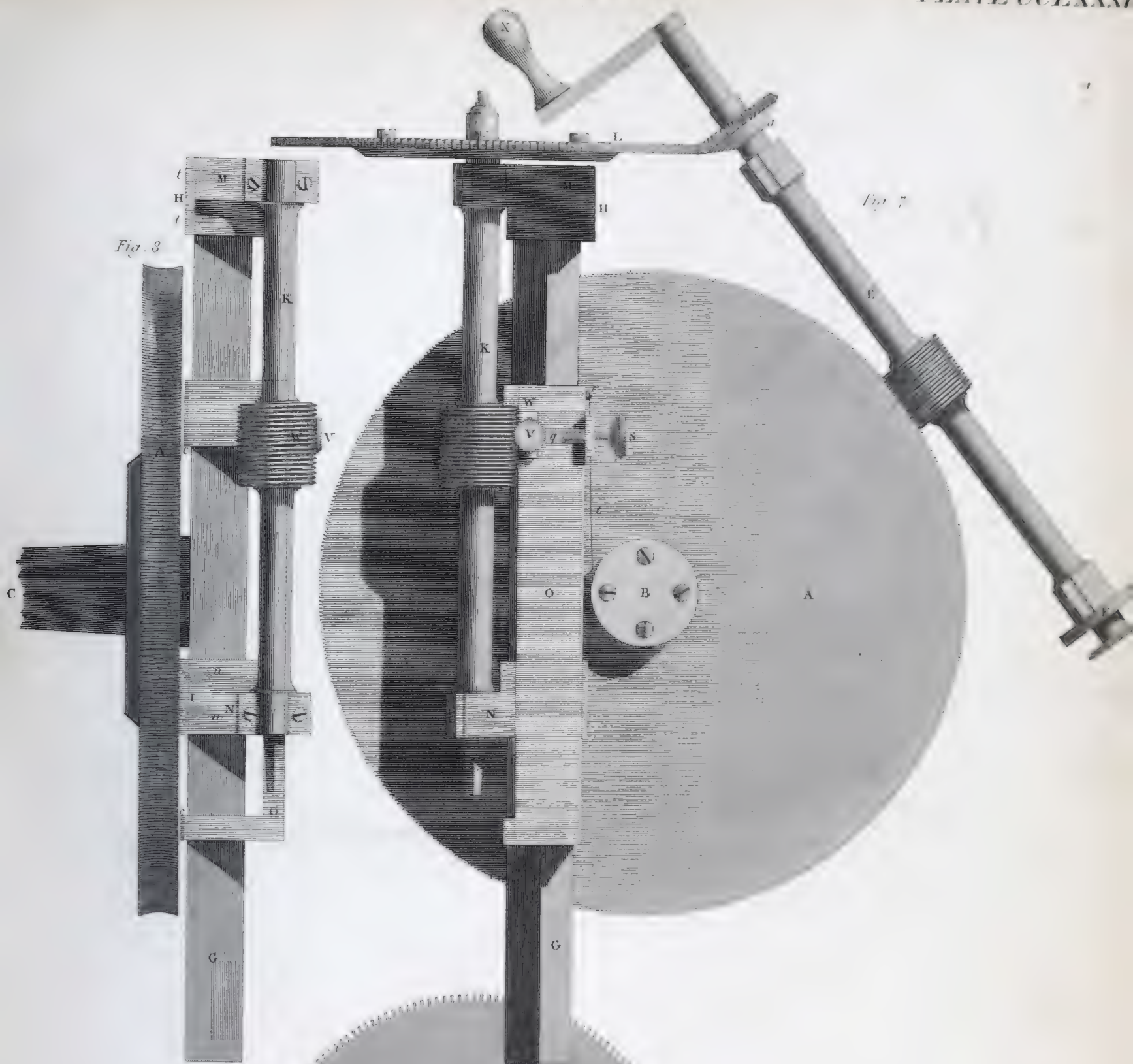


Fig. 2.





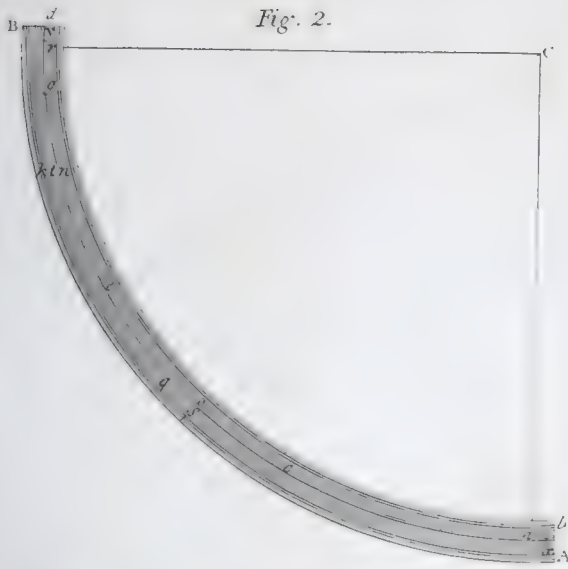


Fig. 2.

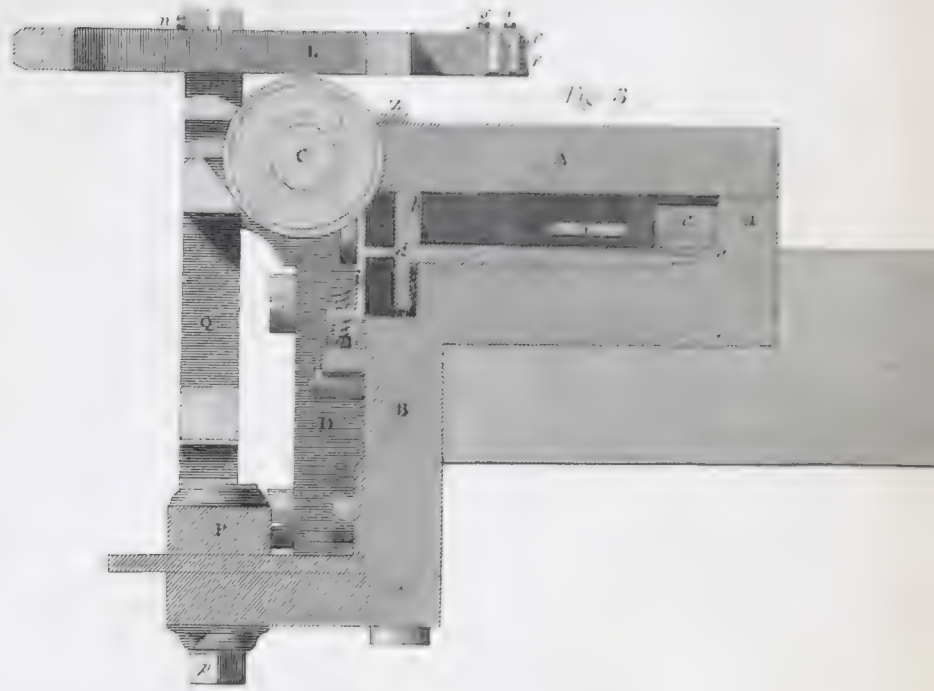


Fig. 3.

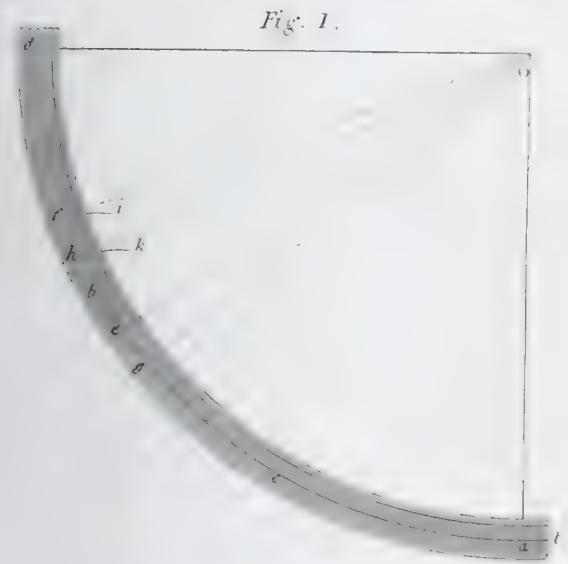


Fig. 1.

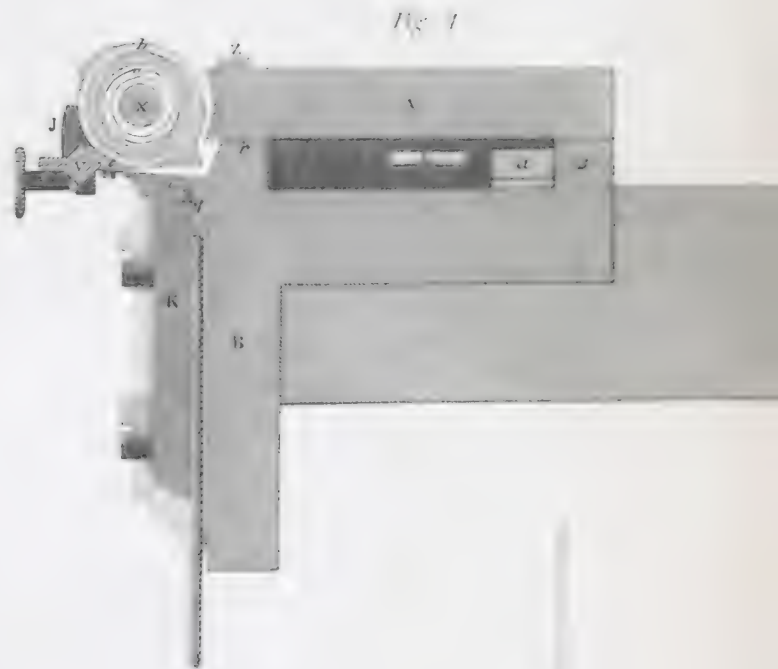


Fig. 4.

Front View of the Pieces of Steel.
g h Fig. 5.

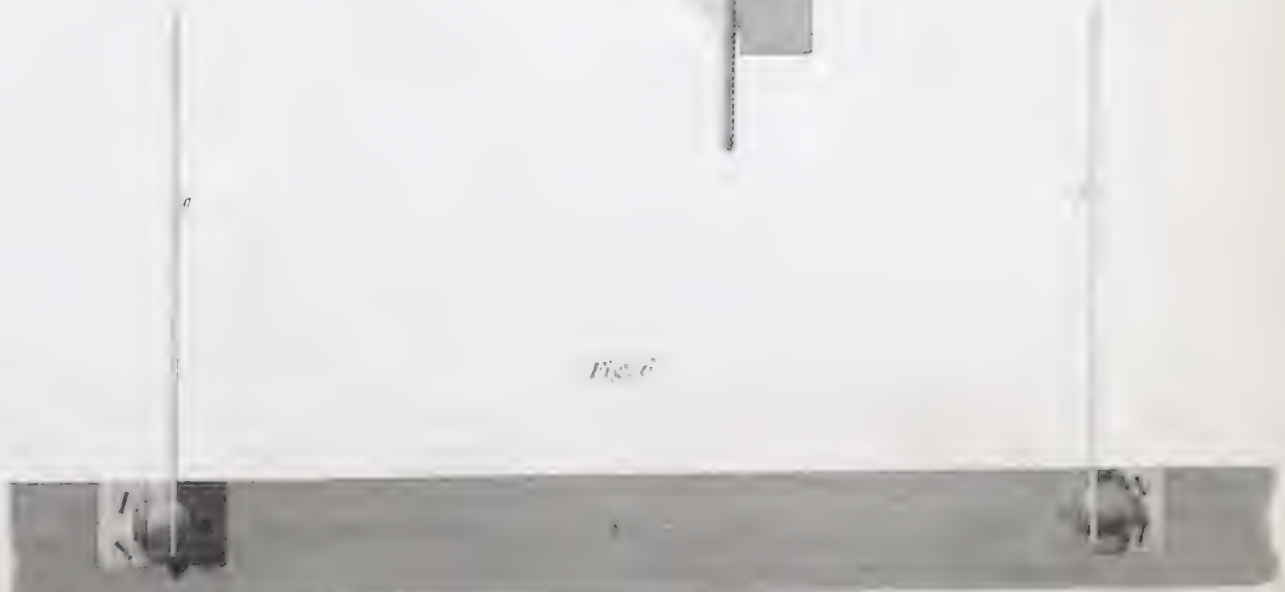


Fig. 6.



Fig. 1.

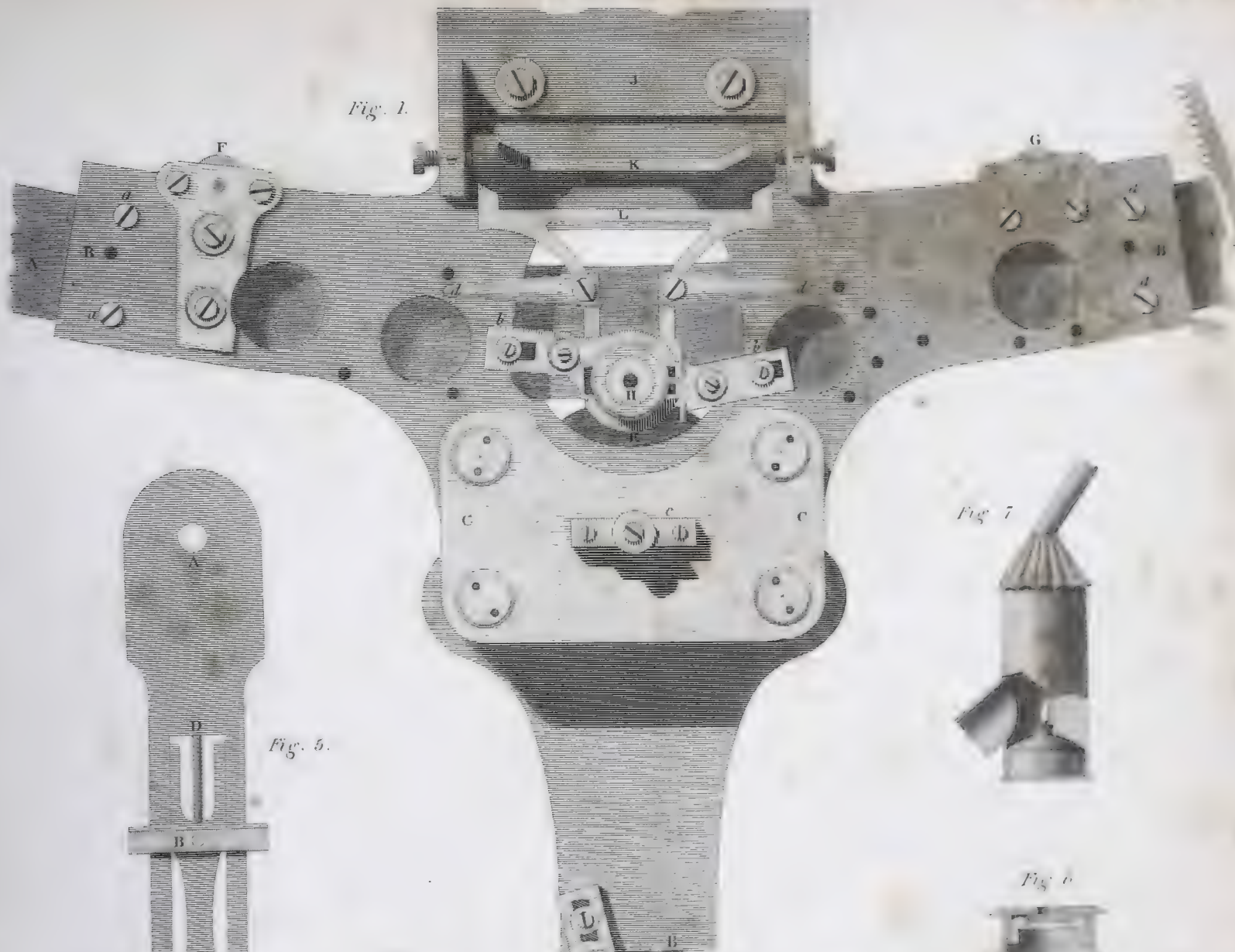


Fig. 7.



Fig. 5.

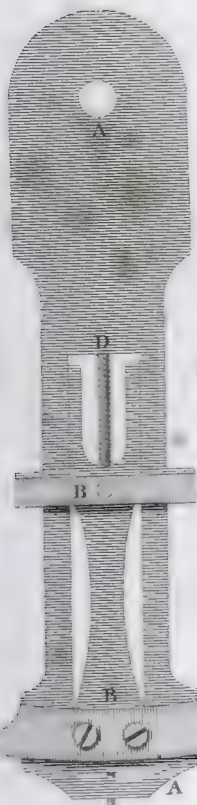


Fig. 6.



Fig. 3.



Fig. 2.

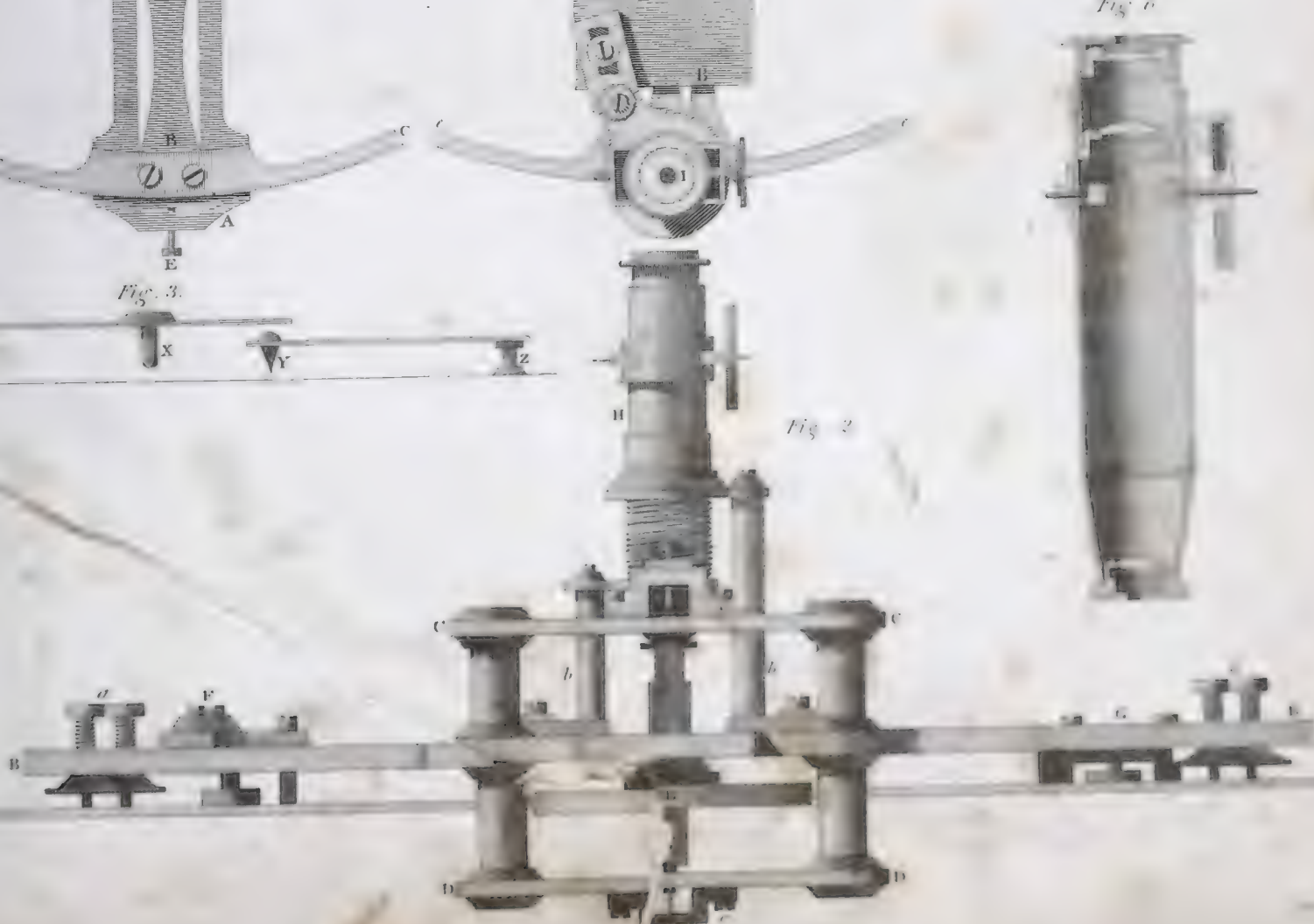




Fig. 2.

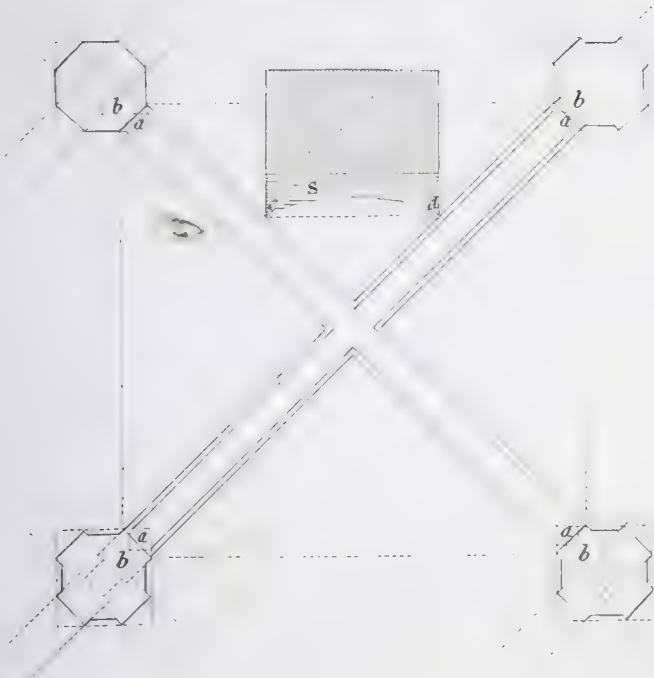


Fig. 1.



Fig. 11.

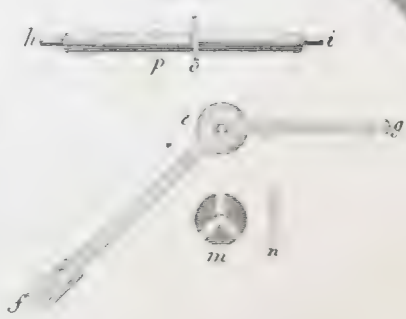


Fig. 10.



Fig. 3.

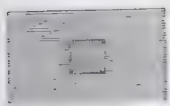


Fig. 4.



Fig. 5.



Fig. 6.

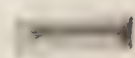


Fig. 7.



Fig. 8.



Fig. 9.

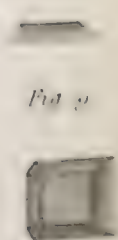


Fig. 12.





Fig. 5.

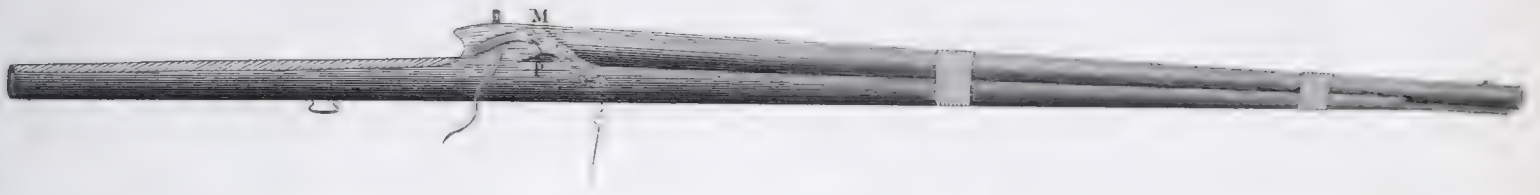


Fig. 6.



Fig. 9.

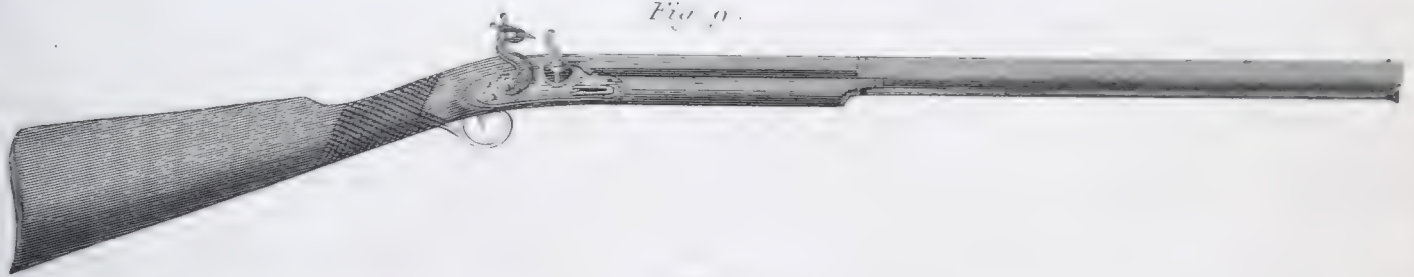


Fig. 7.



Fig. 1.

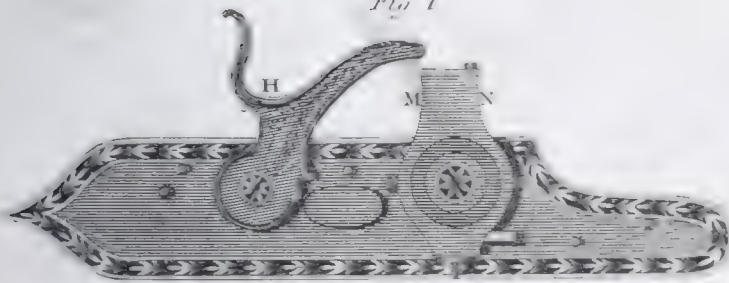


Fig. 2.

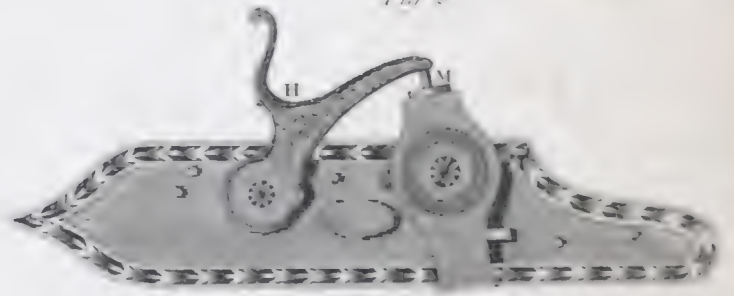


Fig. 3.



Fig. 4.

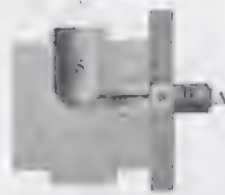


Fig. 8.

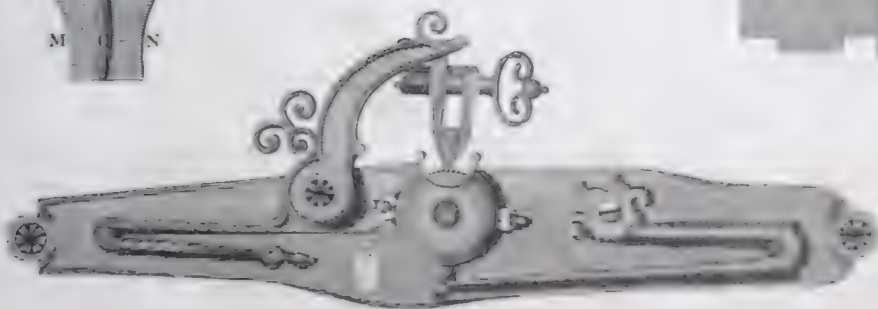


Fig. 10.





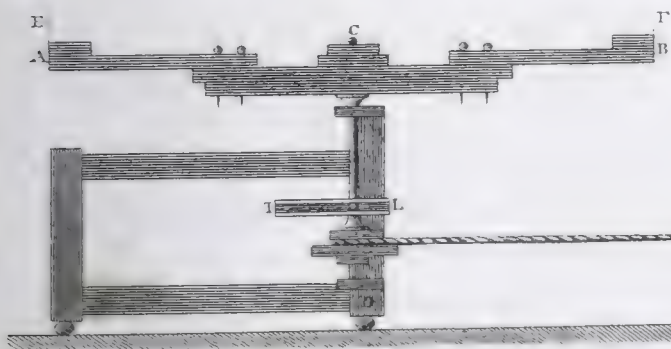
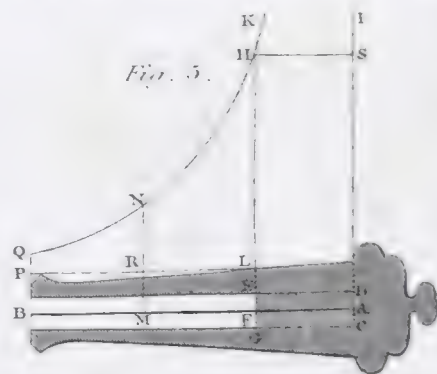
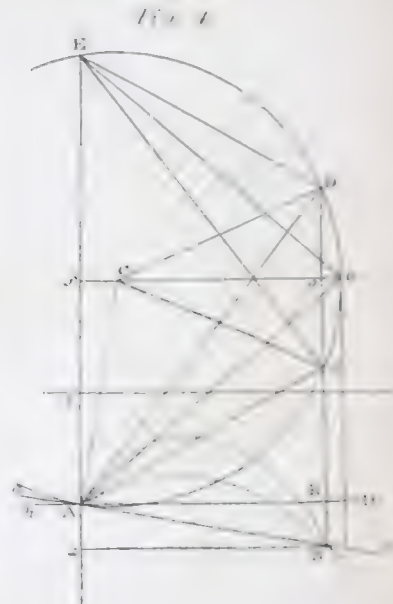
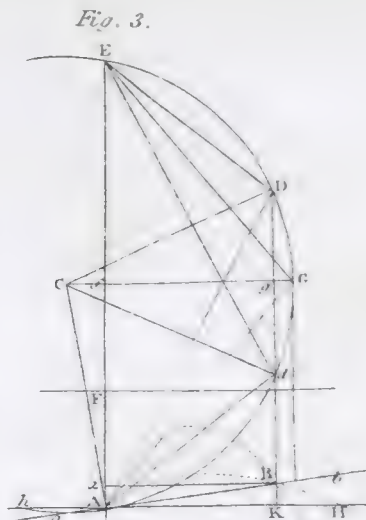
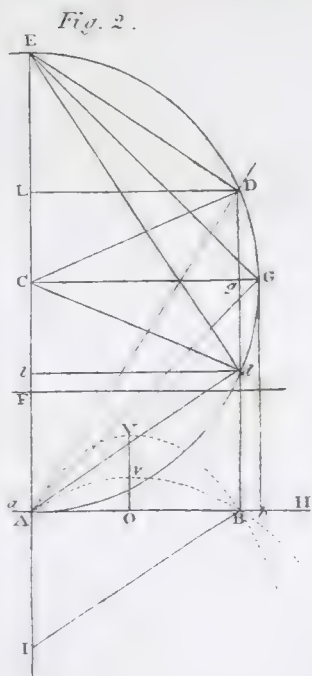
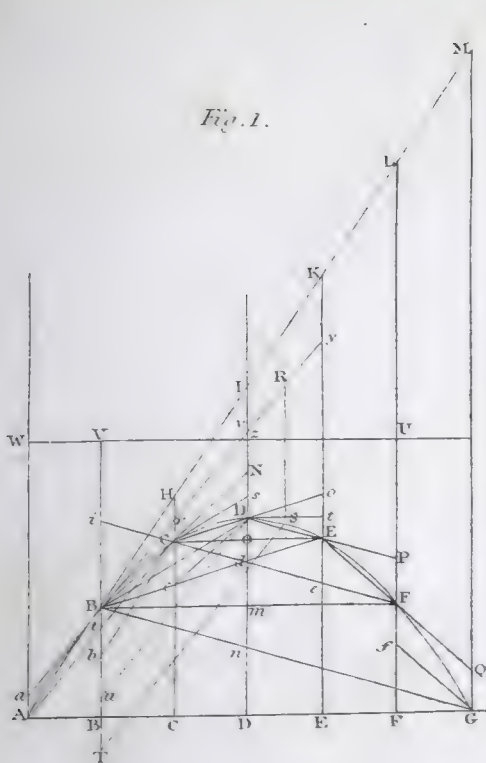


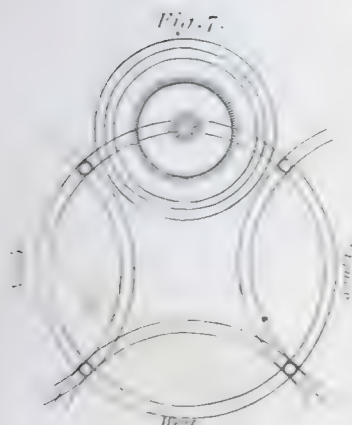
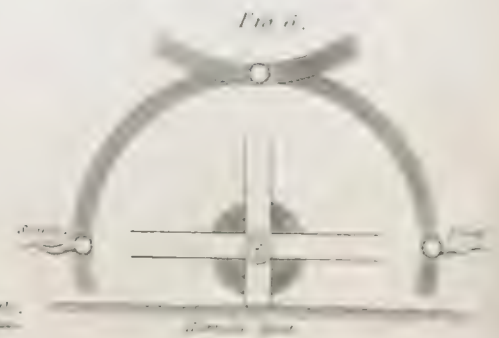
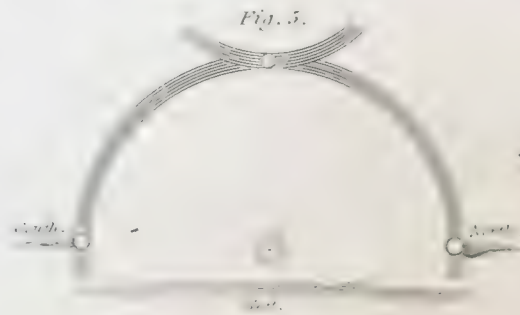
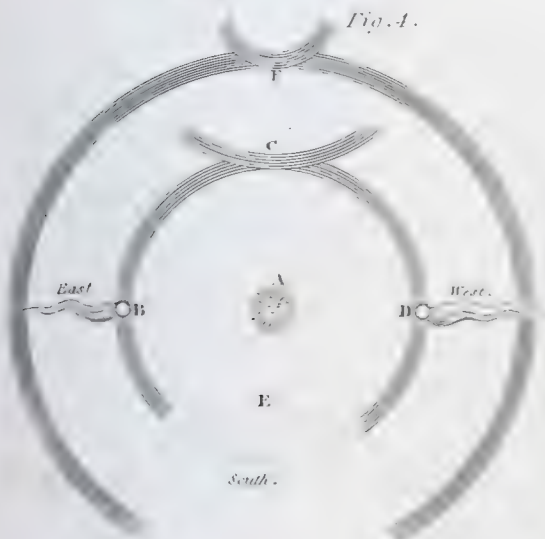
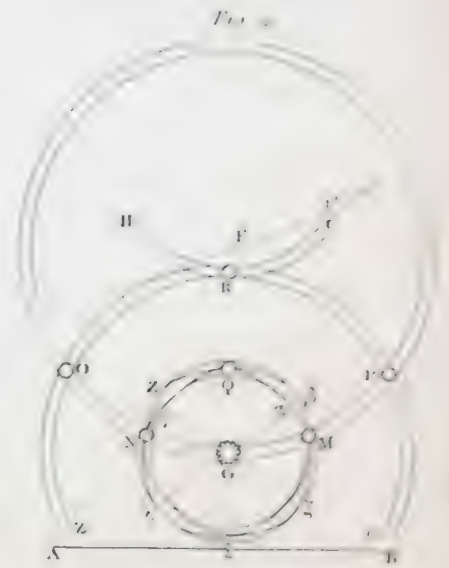
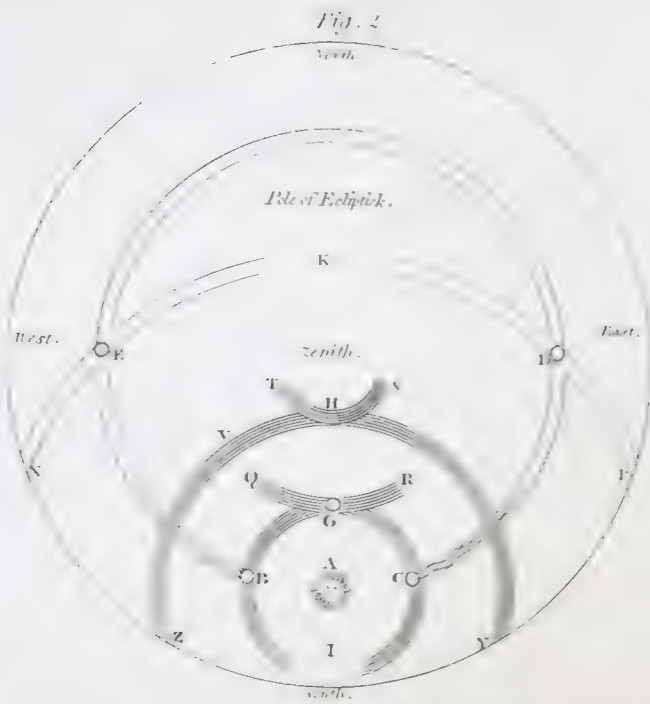
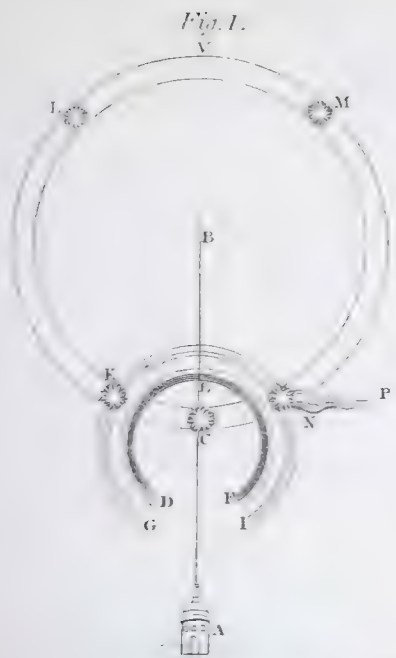
Fig. 6.



Fig. 8.







HARMONIC SLIDERS, HATMAKING, &c. PLATE CCLXXXVIII.

HARMONIC SLIDERS.

Fig. 1.

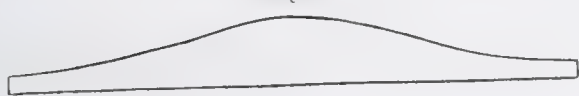


Fig. 2.

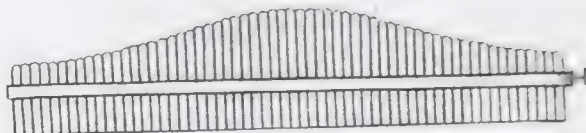


Fig. 6.

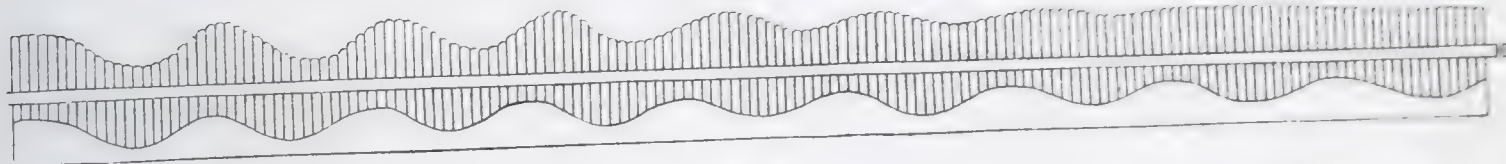


Fig. 3.

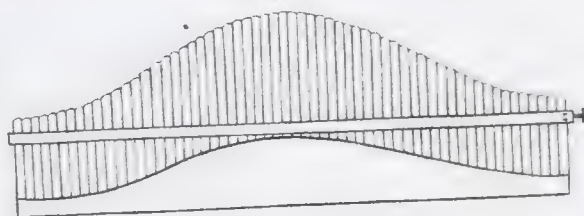


Fig. 4.

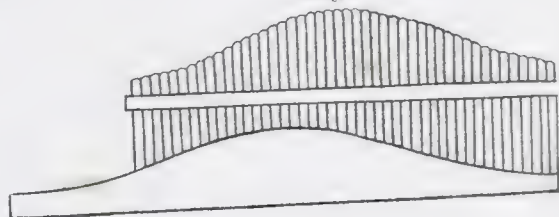


Fig. 5.

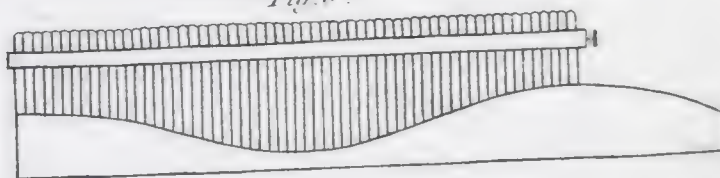


Fig. 10.

Wellaston's Oxephorus

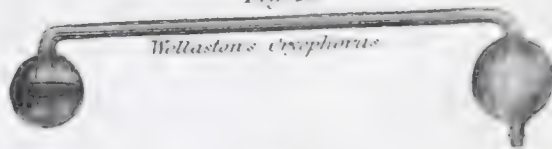


Fig. 8.

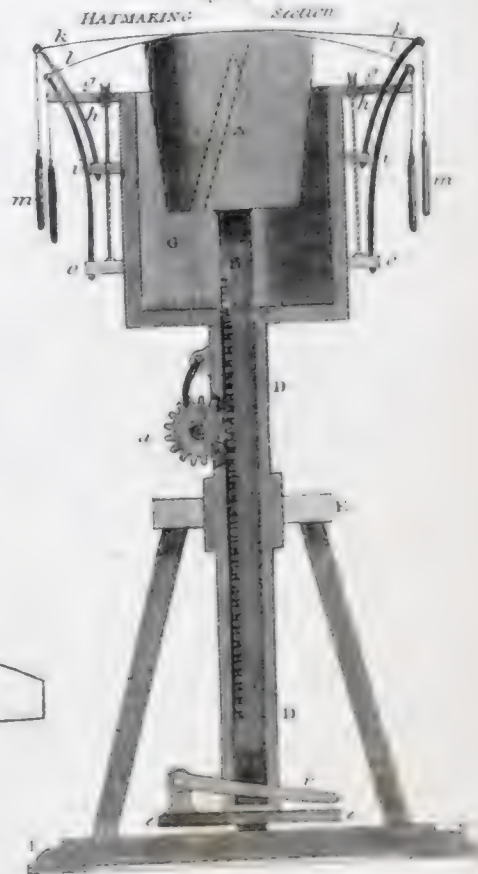


Fig. 7.

HATMAKING. A. Elevation.

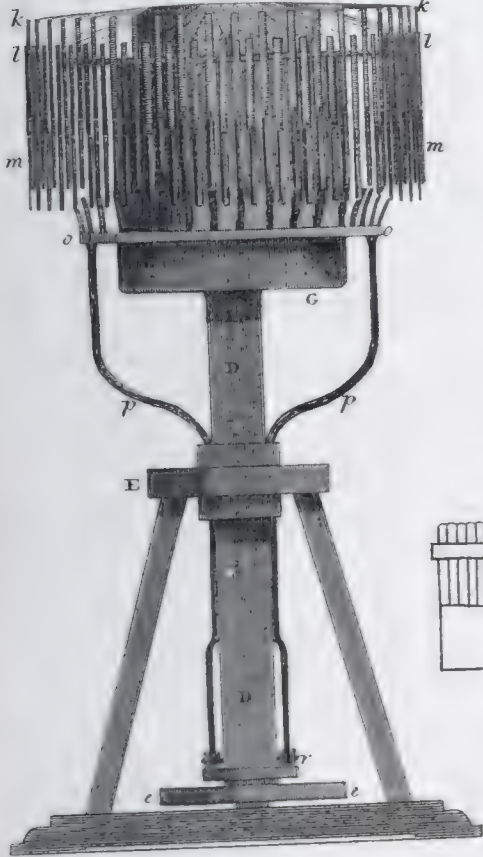
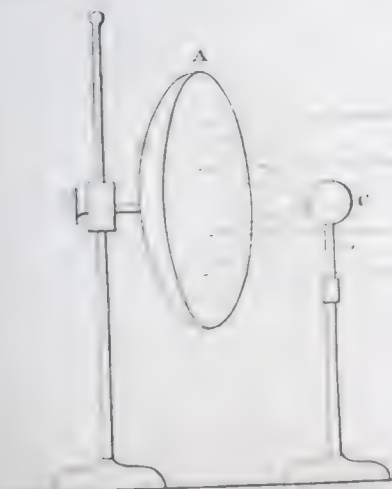
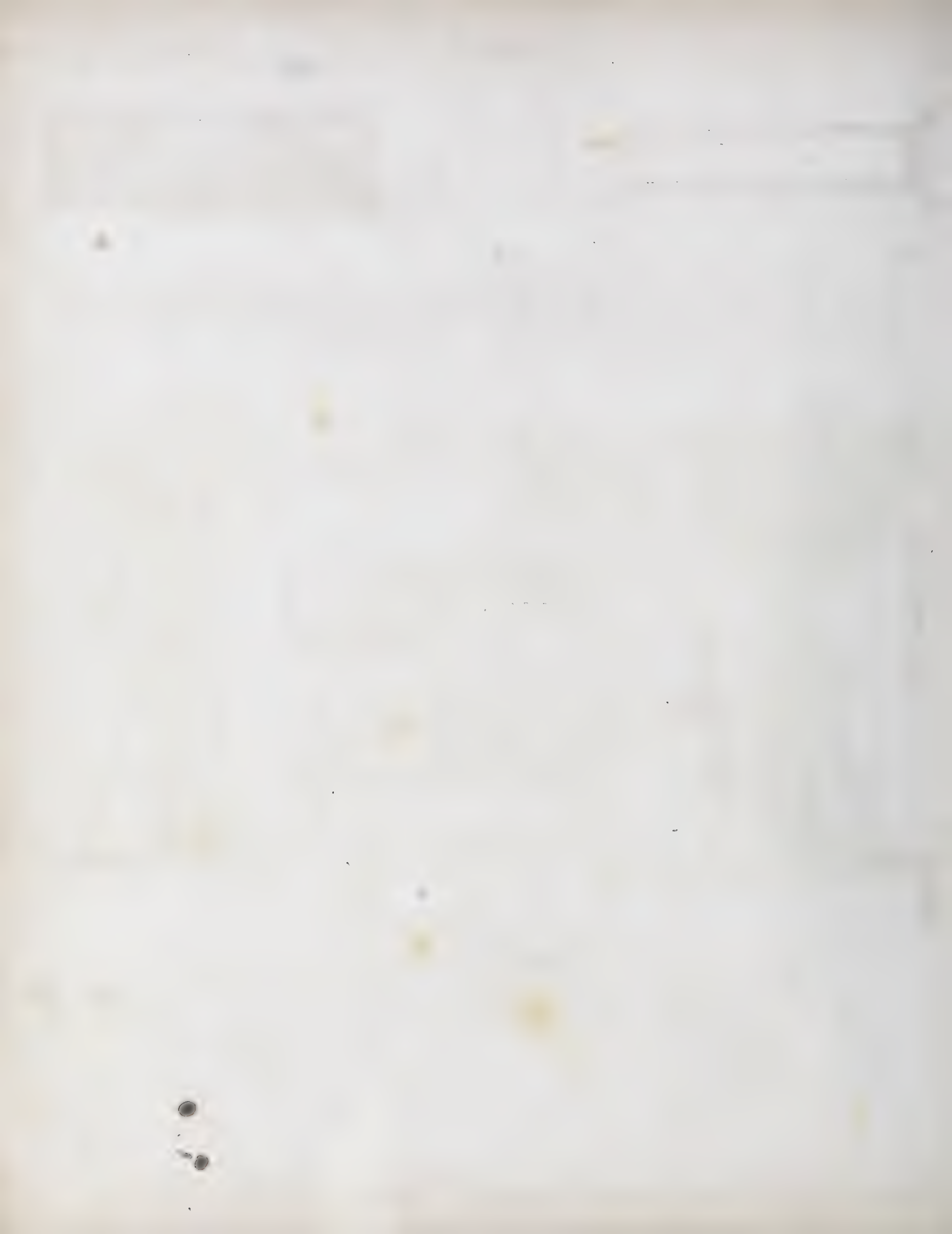


Fig. 9.

PICOT'S APPARATUS SHOWING THE REFLECTION OF LIGHT





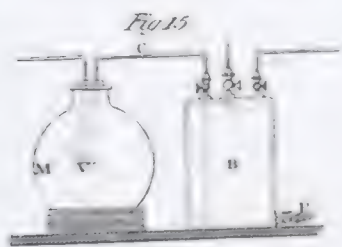
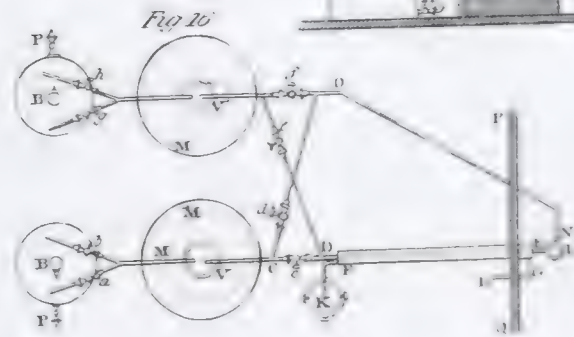
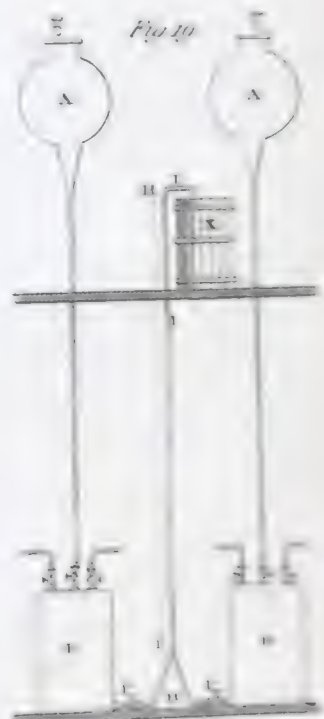
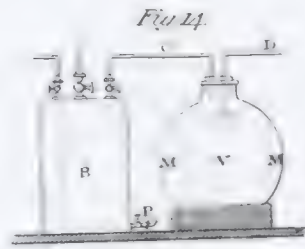
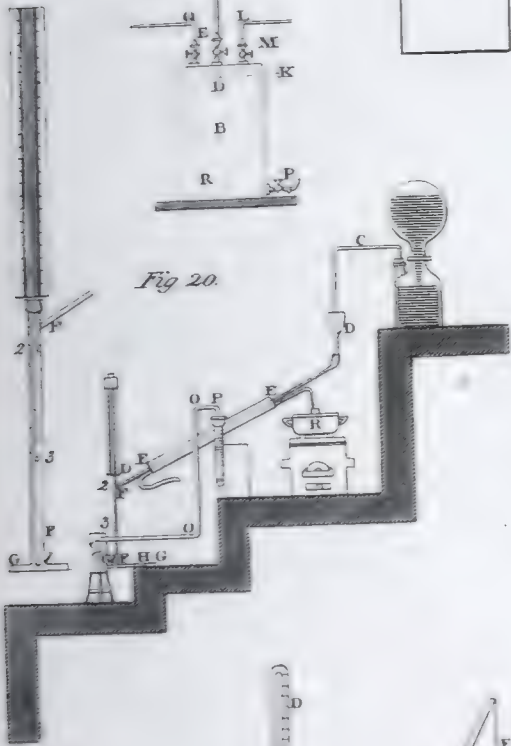
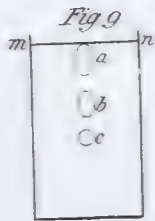
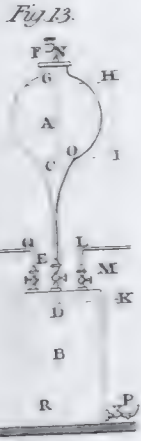
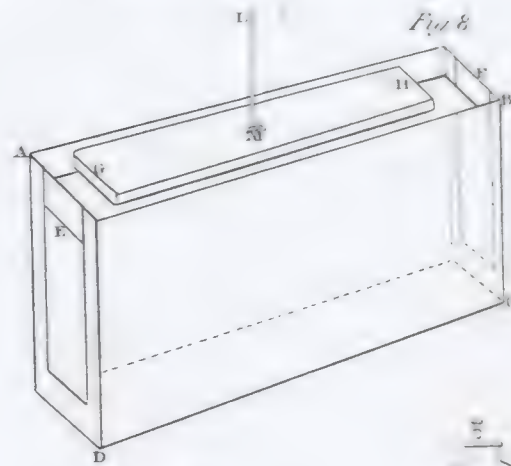
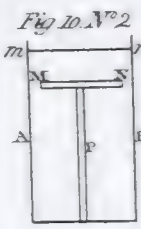
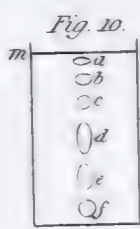
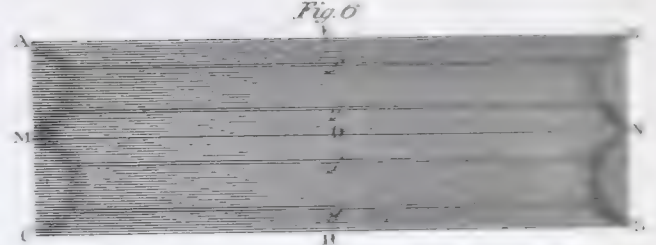
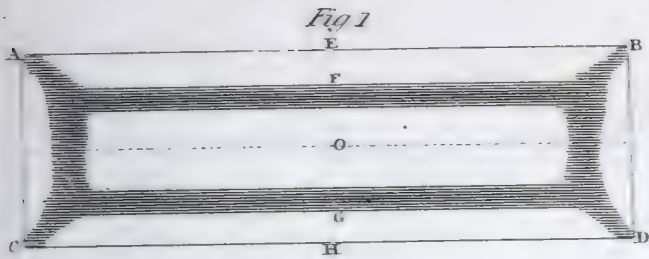
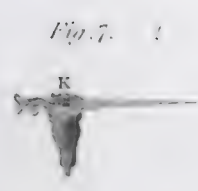
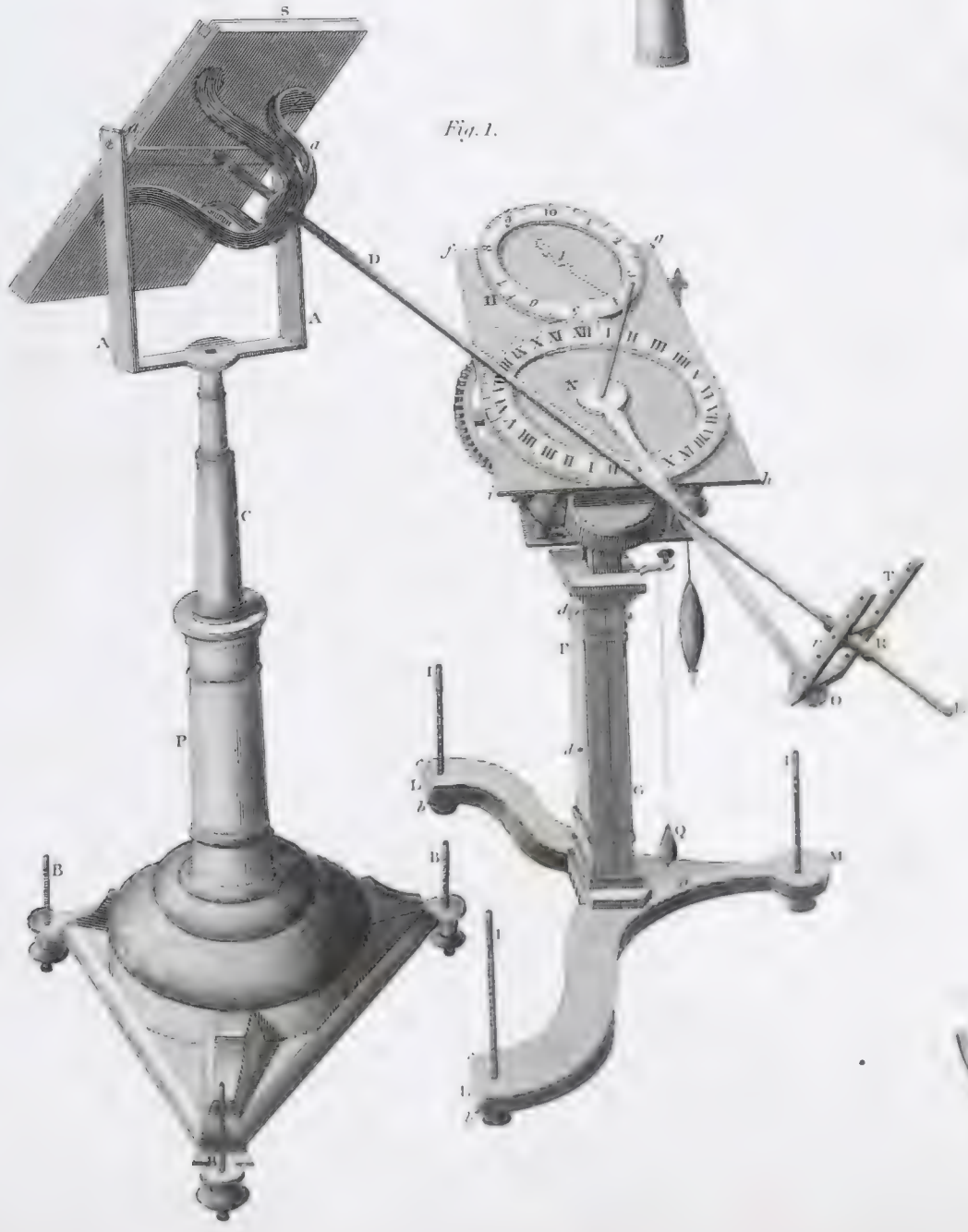
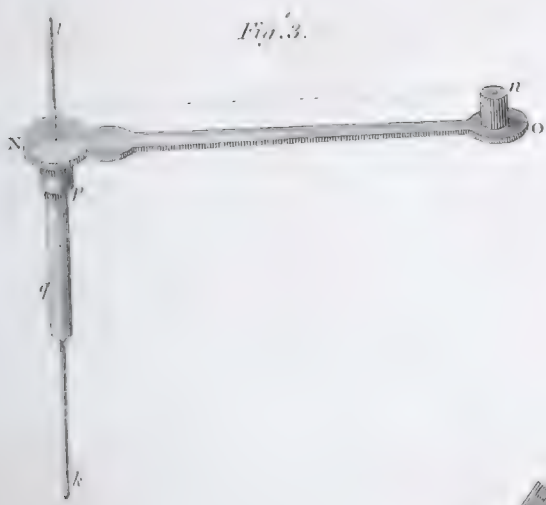


Fig 11 PROFESSOR LESLIE'S APPARATUS









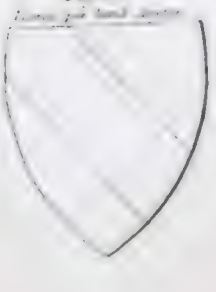
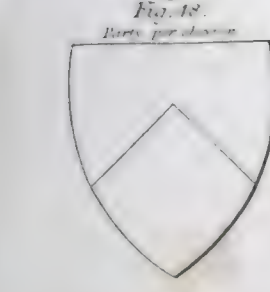
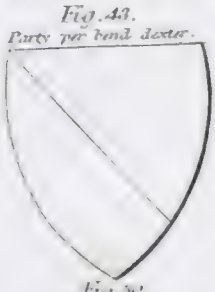
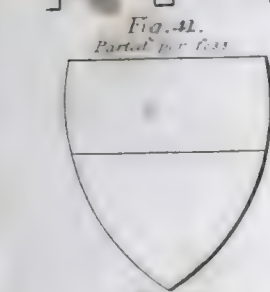
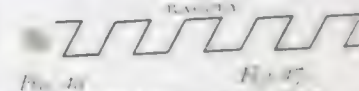
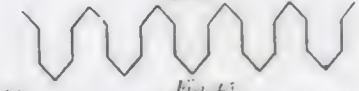
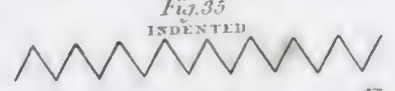
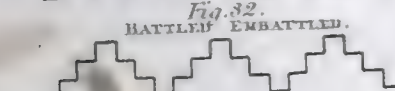
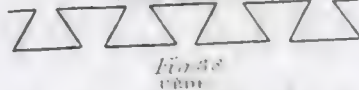
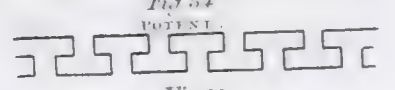
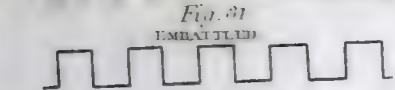
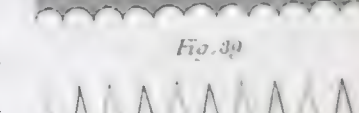
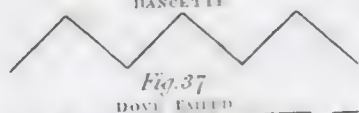
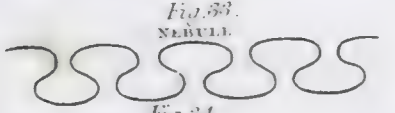
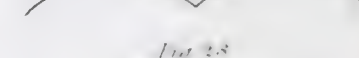
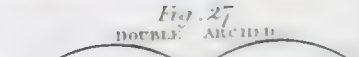
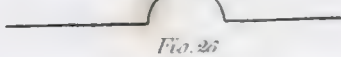
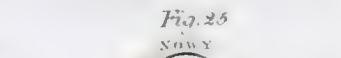
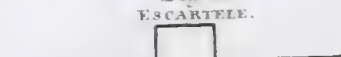
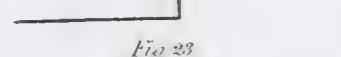
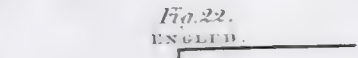
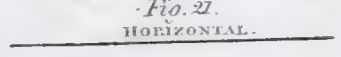
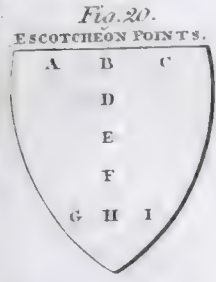
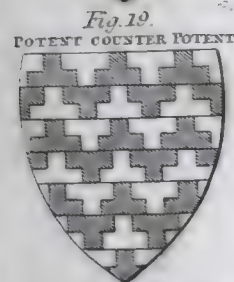
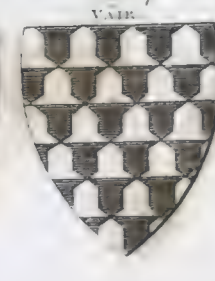
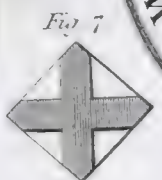
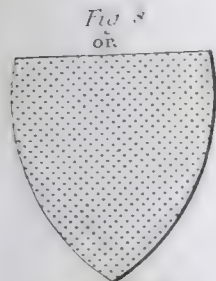
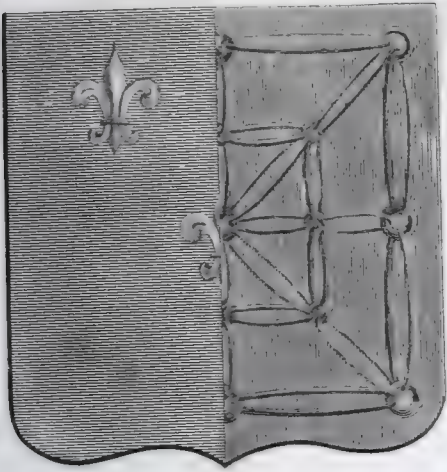








Fig. 1.
FRANCE & NAVARRE.



COATS MARSHALLED.

Fig. 2.

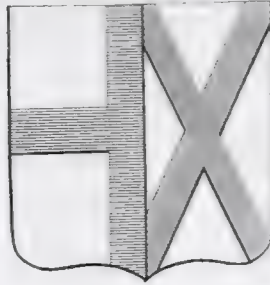


Fig. 7.
SICILY.



Fig. 9.
KING OF GREAT BRITAIN.



Fig. 3.



Fig. 4



Fig. 12.

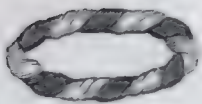


Fig. 11



Fig. 8.
ORANGE NASSAU.

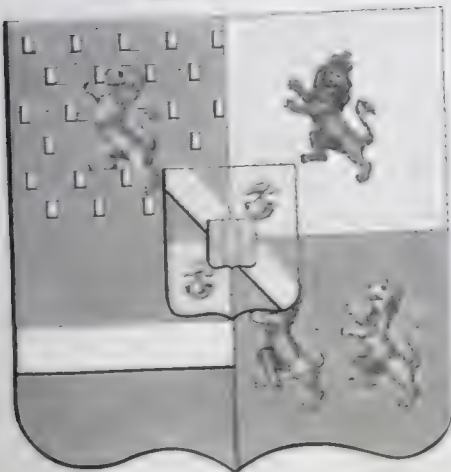


Fig. 11.

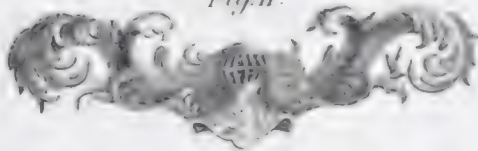


Fig. 10



Fig. 5.



Fig. 6

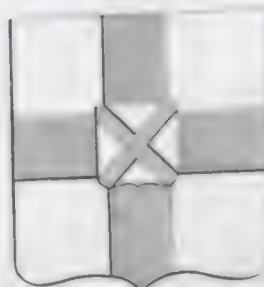




Fig. 1.



Fig. 2.

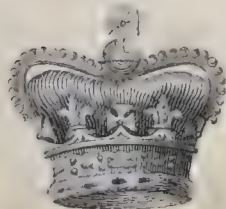


Fig. 3.

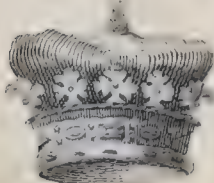


Fig. 13.



Fig. 4.

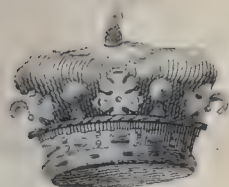


Fig. 5.

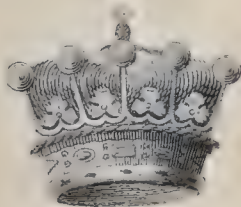


Fig. 6.

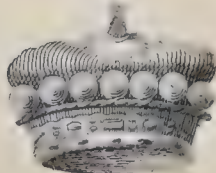


Fig. 8.



Fig. 9.



Fig. 7.

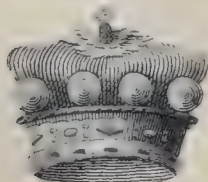


Fig. 11.



Fig. 12.



Fig. 10.



Fig. 14.





Fig. 2.
COMMON LAND TORTOISE.

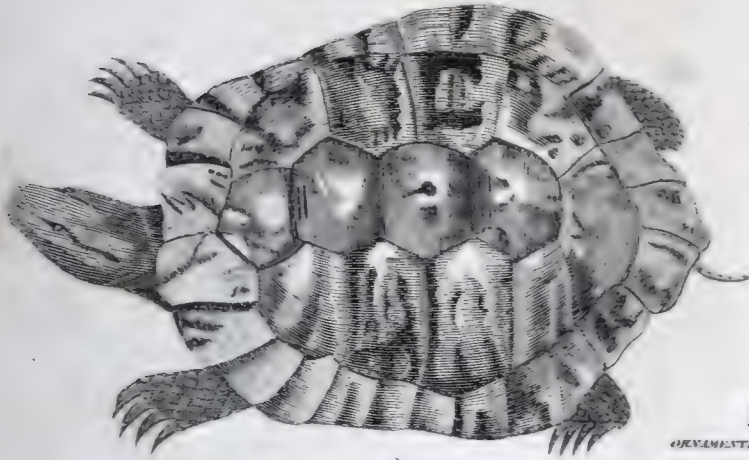


Fig. 1.
GREEN TURTLE.

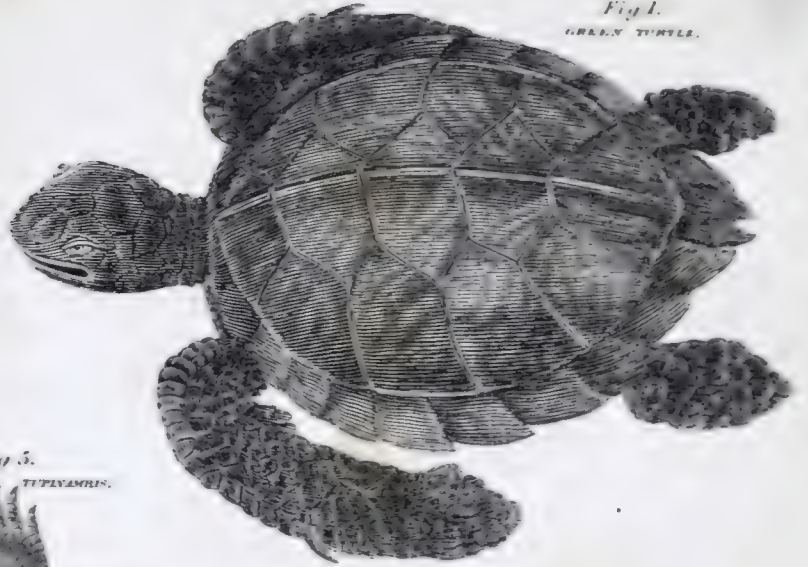


Fig. 5.
ORNAMENTED TUPINAMBS.



MITRED BASILISK.

Fig. 6.



Fig. 8.
FLYING DRAGON.



Fig. 3.
CROCODILE of the NILE.

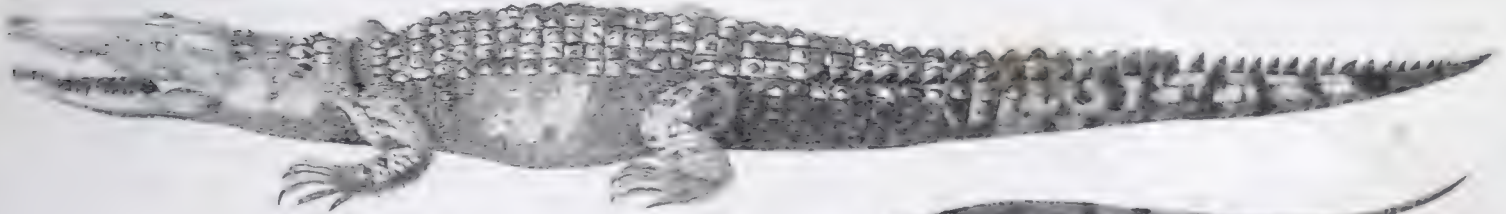


Fig. 4.
DRAGON LIZARD.



Fig. 7.
COMMON IGUANA.



Fig. 12.
EGYPTIAN GECKO.

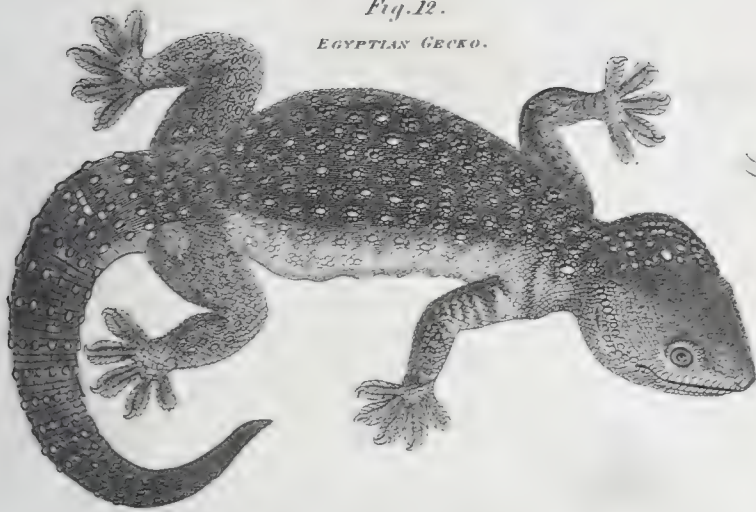


Fig. 14.
LACED LIZARD.



Fig. 11.
COMMON CHAMELEON.



Fig. 10.
SHORT TAILED SPALLIC.

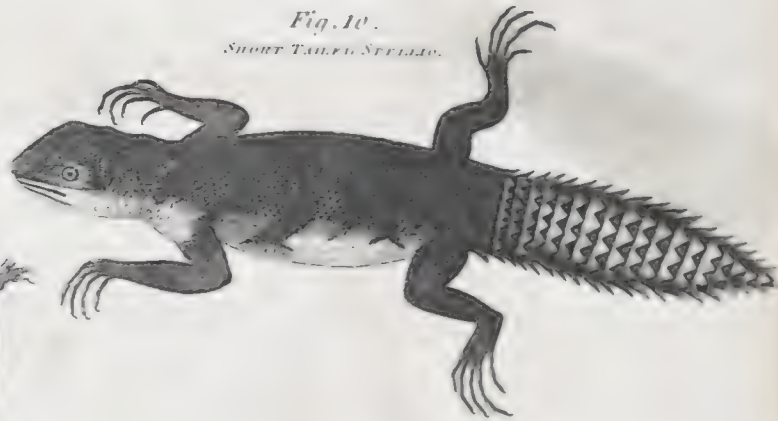


Fig. 15.
SIX STRIPED TAKYDRONE.



Fig. 9.
GALEOT AGAMA.



Fig. 13.
TWO SPOTTED ANOLIS.



Fig. 16.
COMMON SIVA.





Fig. 17.
FIVE-TOED EFT.



Fig. 21.
LACERTINE SIREN.



Fig. 19.
NORFOLK TOAD.

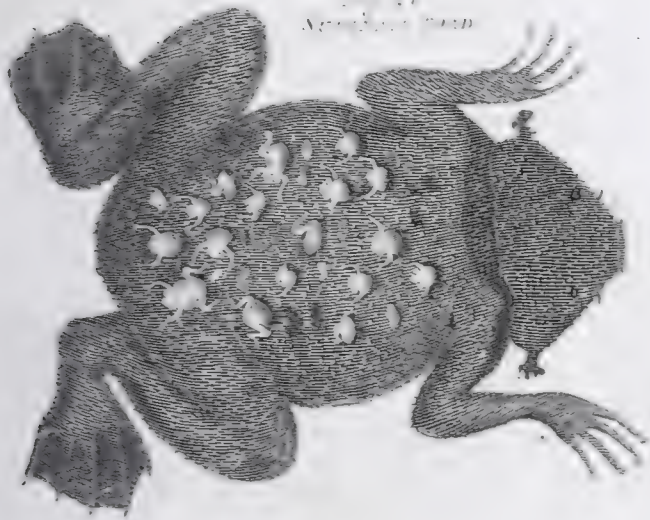


Fig. 20.
SURINAM FROG.



Fig. 18.
TWO-COLOURED TREE FROG.



Fig. 22.
COMMON BULLDOG LIZARD.



Fig. 23.
COMMON PROTEUS.



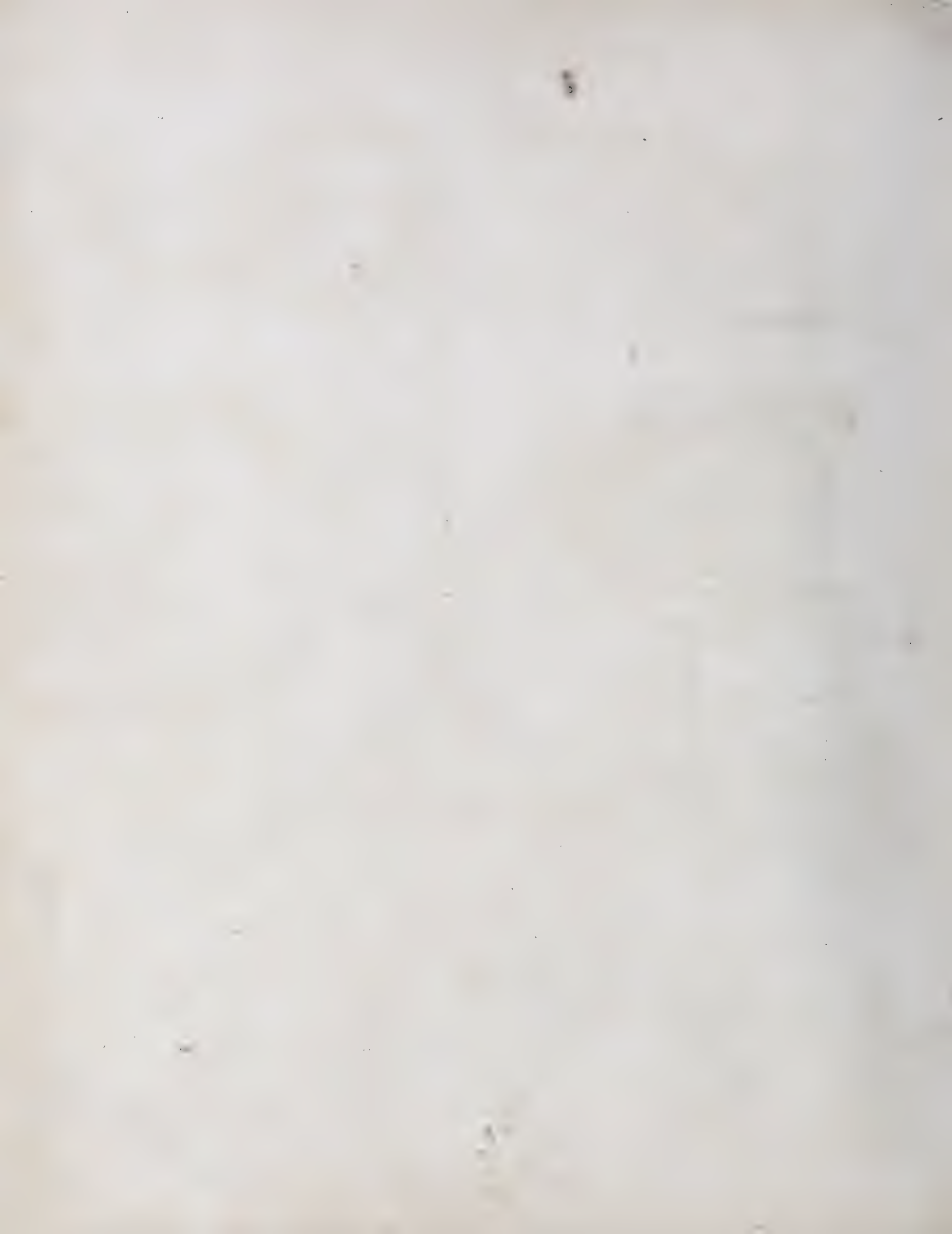


Fig 1

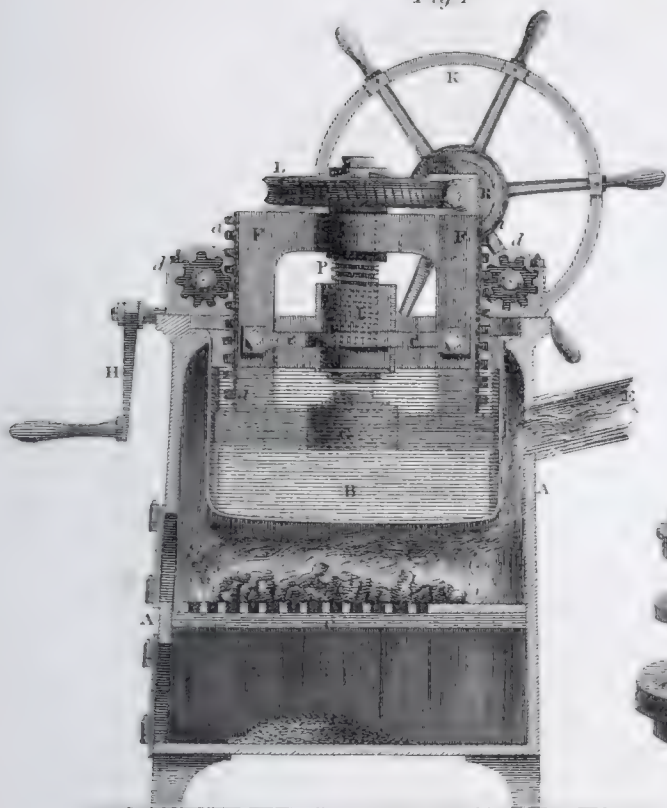


Fig 2

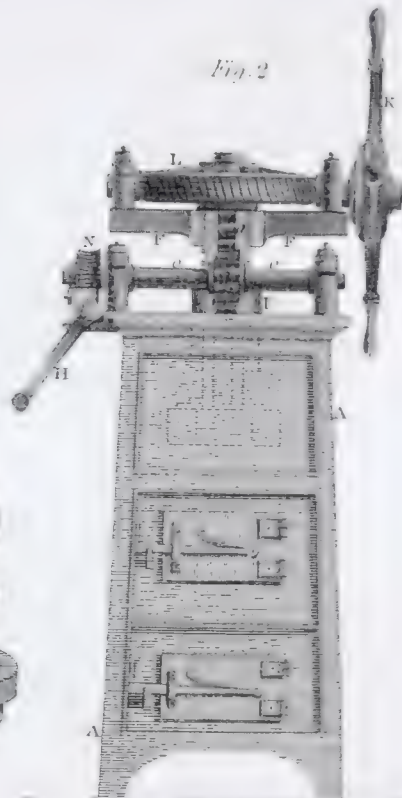


Fig 3

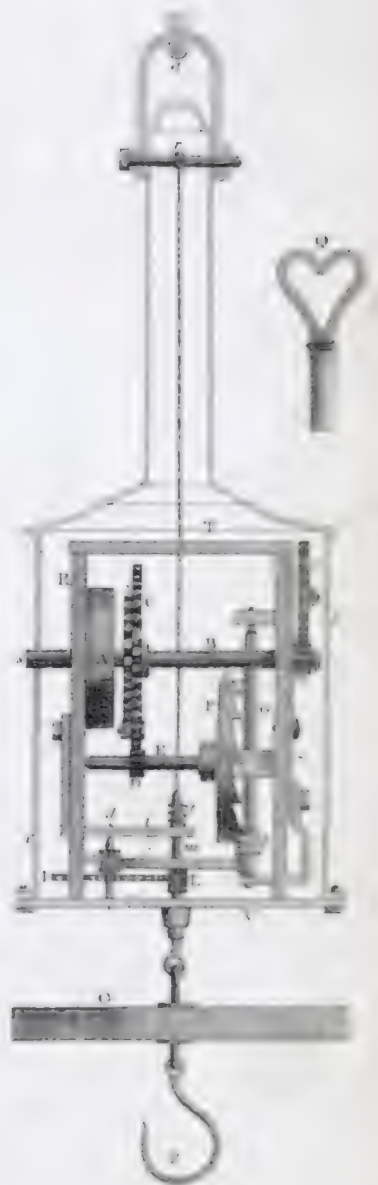


Fig 3.

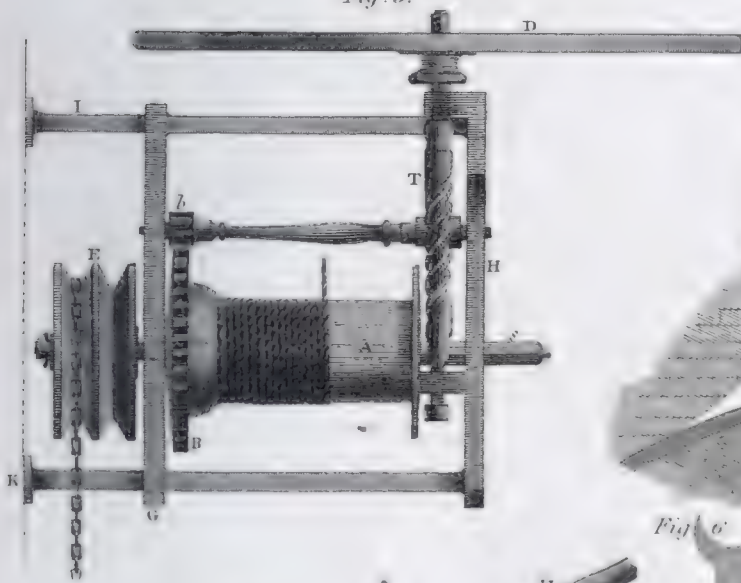


Fig 5.

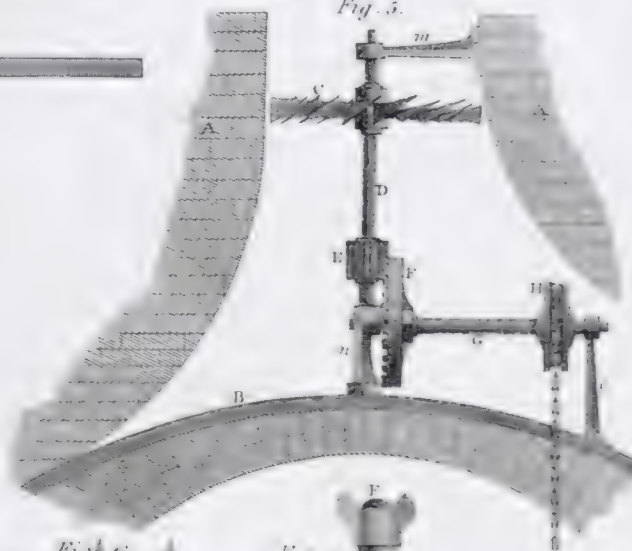
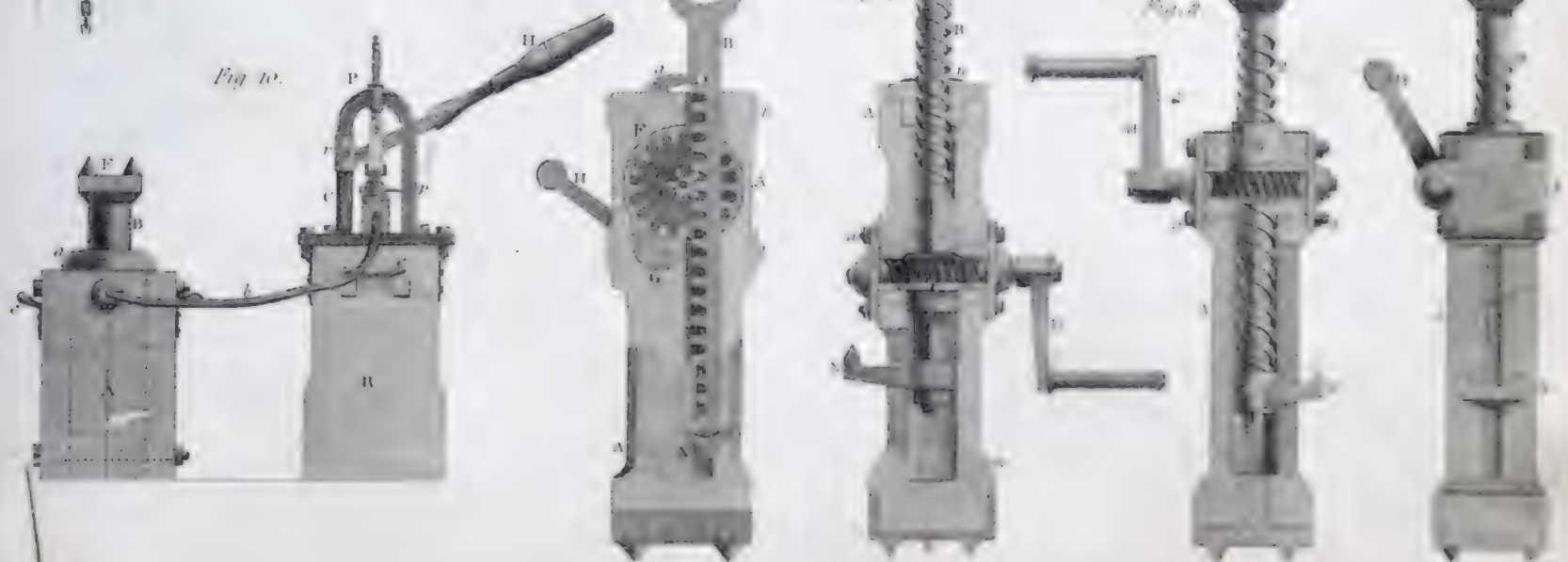


Fig 6

Fig 7

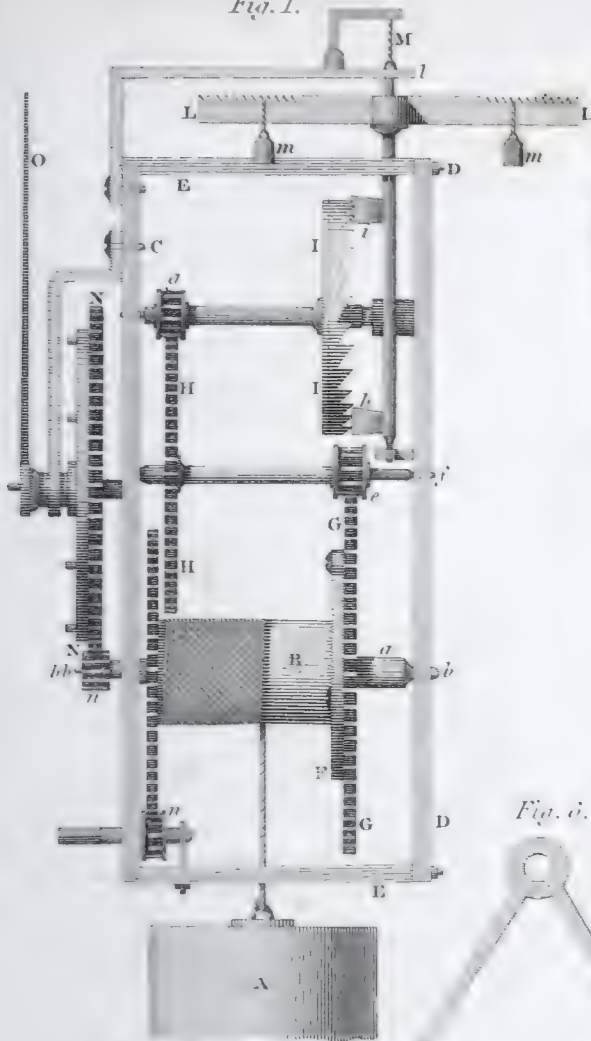
Fig 8

Fig 9



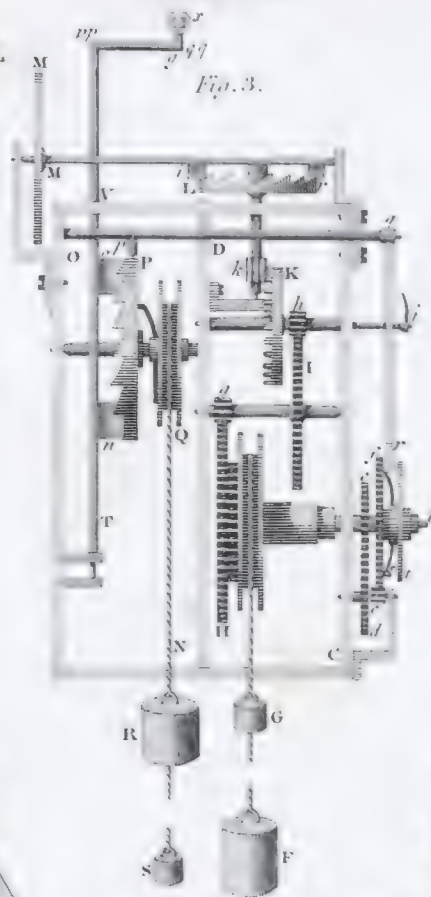
AN ANCIENT CLOCK BY VICK

Fig. 1.



ALARM CLOCK

Fig. 3.



HUYGHENS CLOCK

Fig. 4.

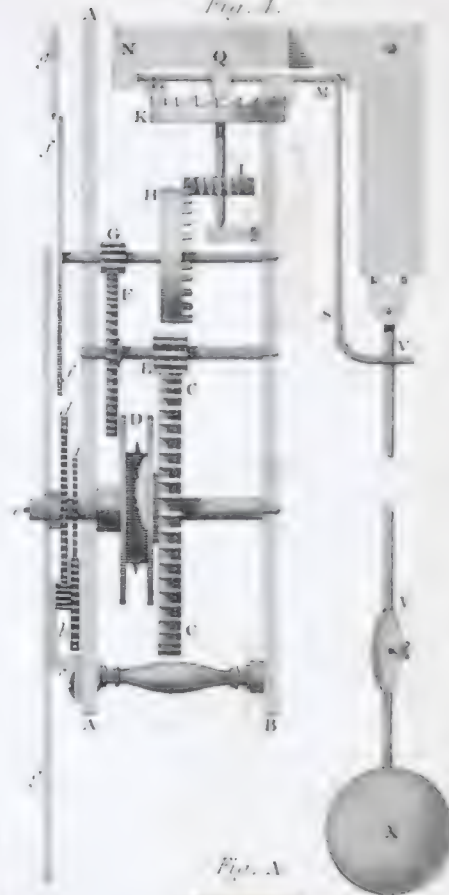


Fig. 5.



Fig. 6.

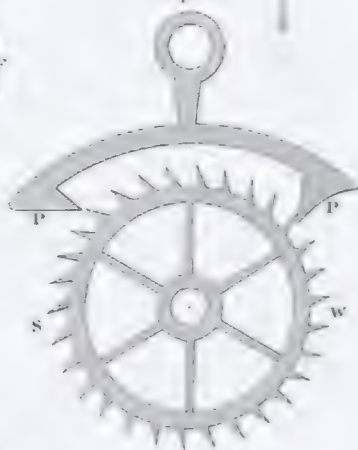


Fig. 5.

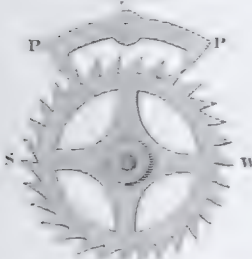
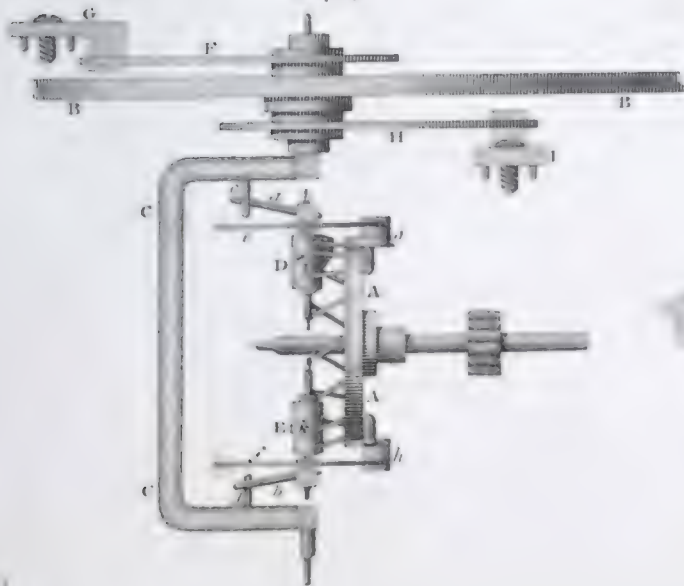


Fig. 9.



CROWN WHEELS VERSUS SCIPMENT

Fig. 2.





Harrison's Pallete.

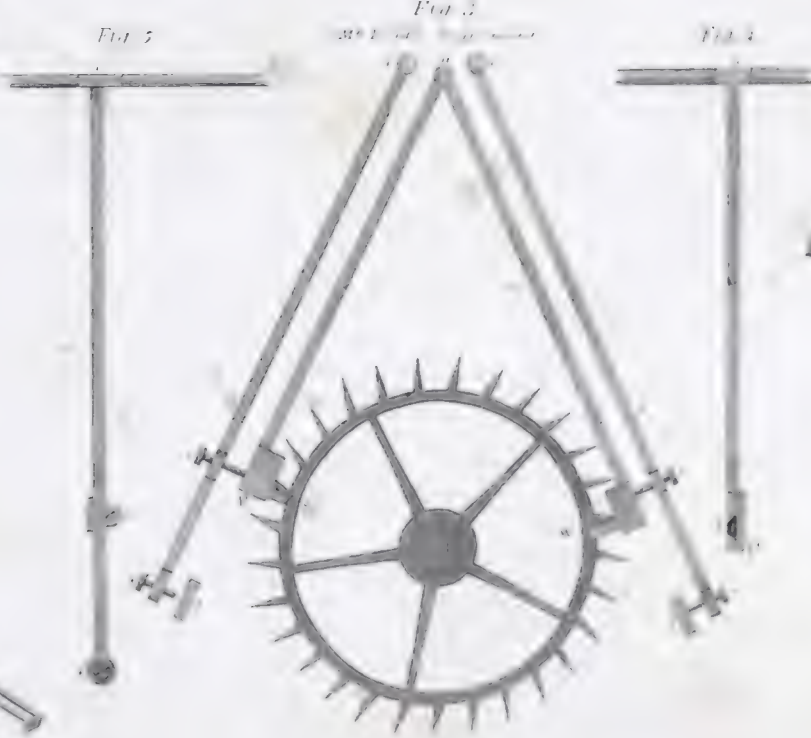
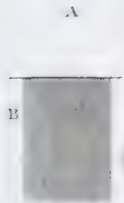




Fig. 2.

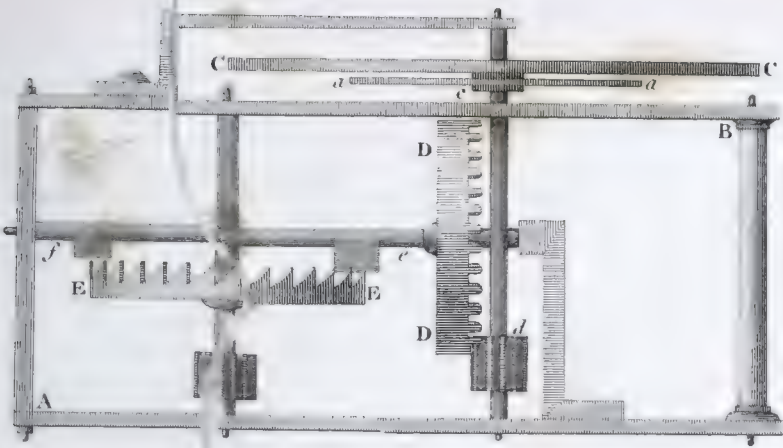


Fig. 4.

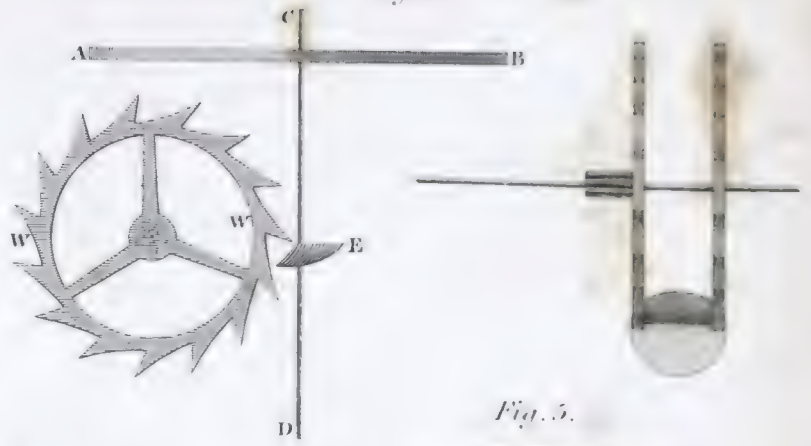


Fig. 6.

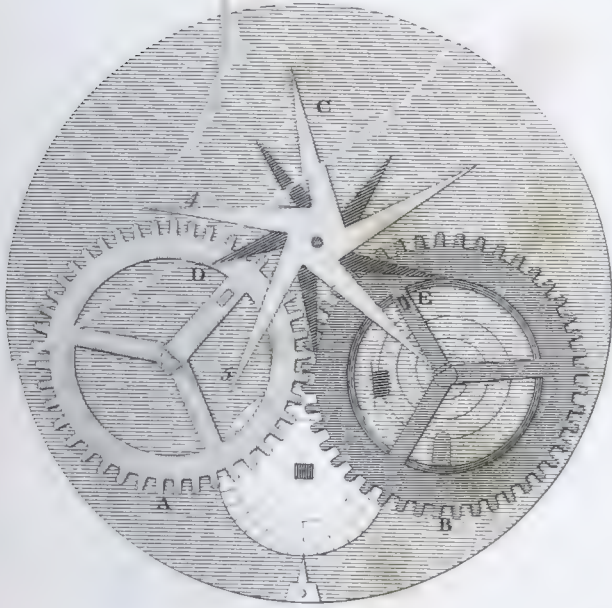


Fig. 7.

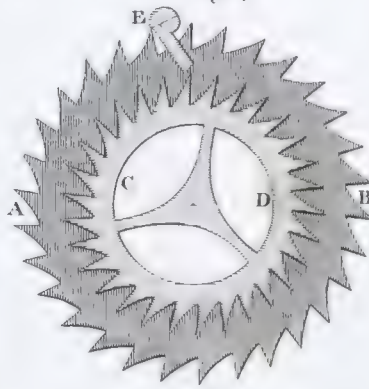


Fig. 5.



Fig. 9.

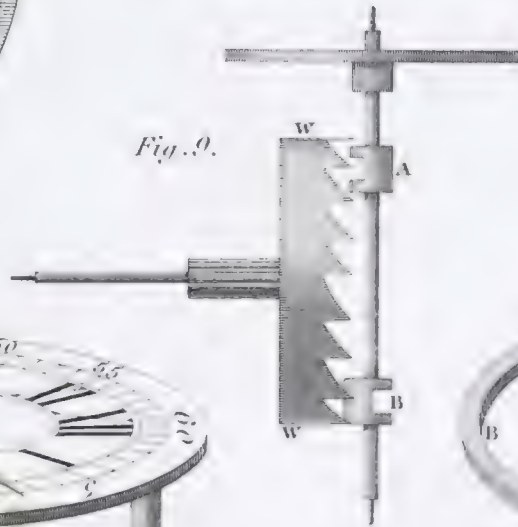


Fig. 3.

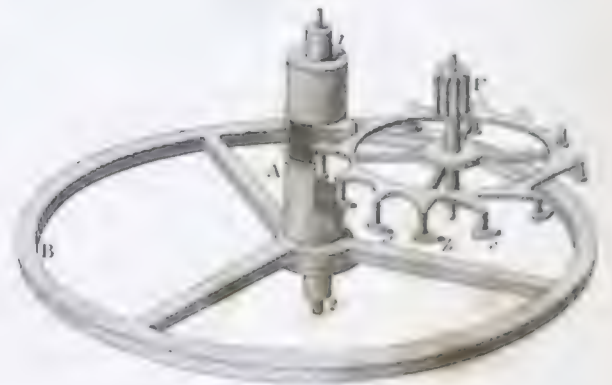


Fig. 1.

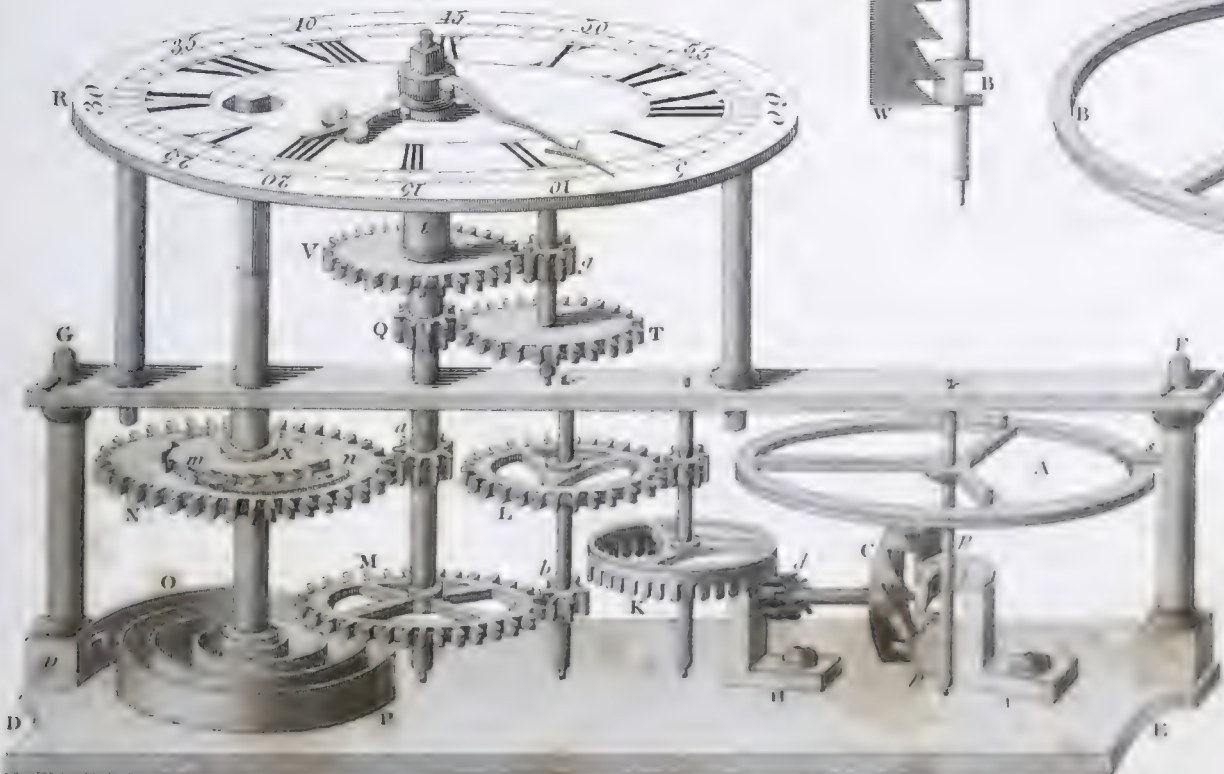


Fig. 8.





Fig. 1.

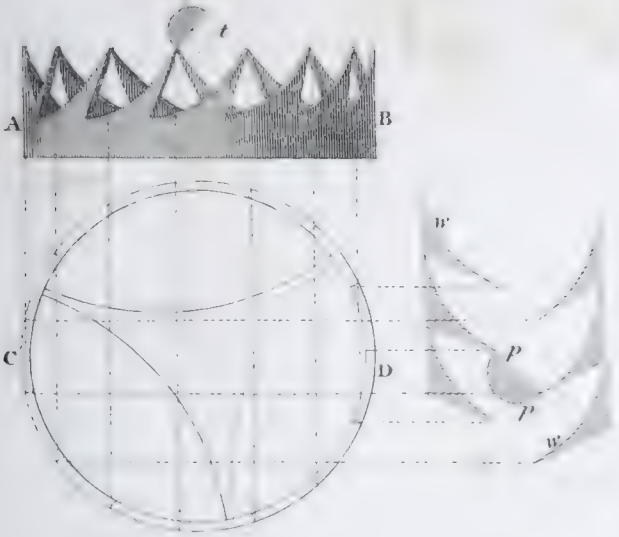


Fig. 3.

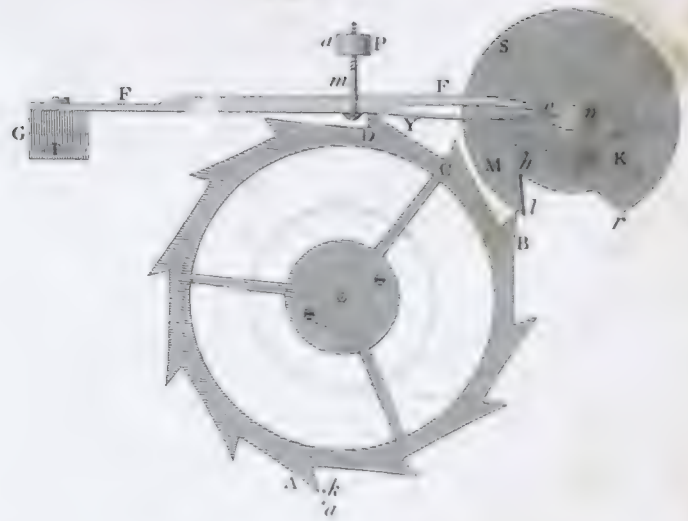


Fig. 2.

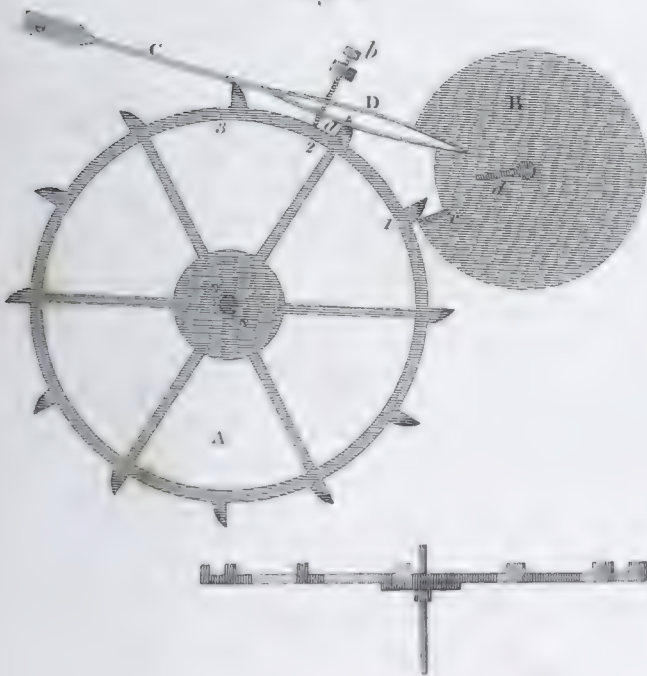


Fig. 4.

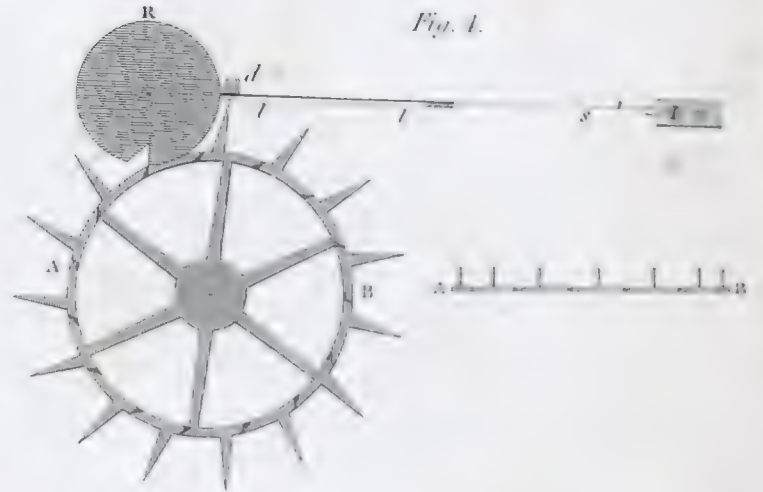


Fig. 5.

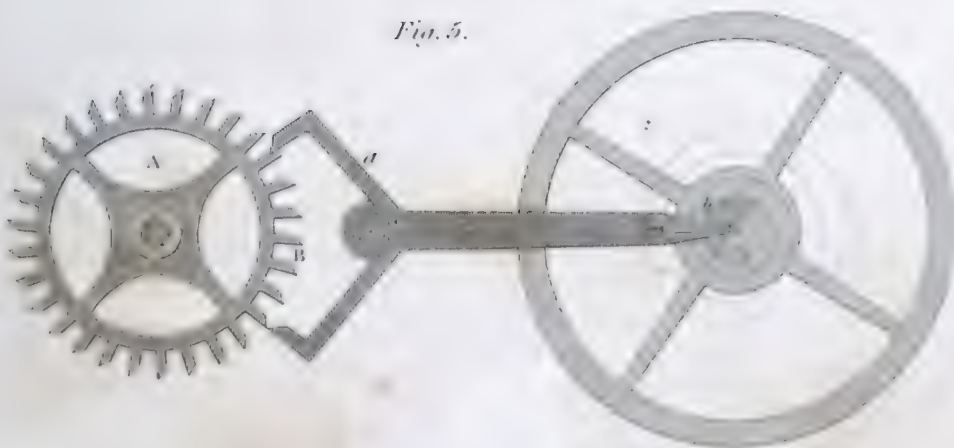


Fig. 6.



Fig. 5.

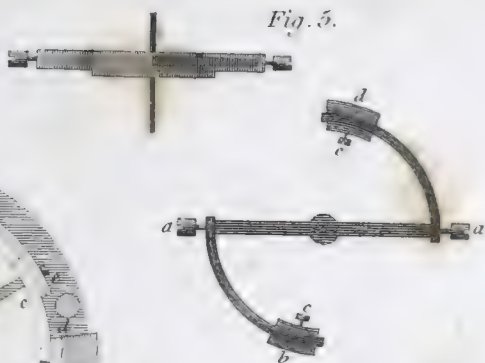


Fig. 2.



Fig. 3.

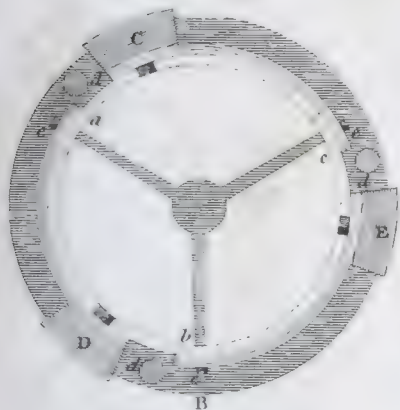


Fig. 4.

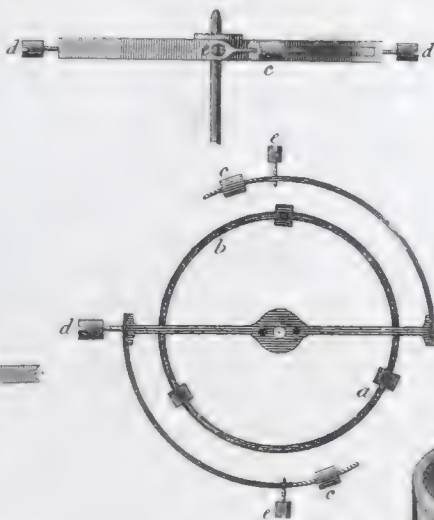


Fig. 6.



Fig. 7.

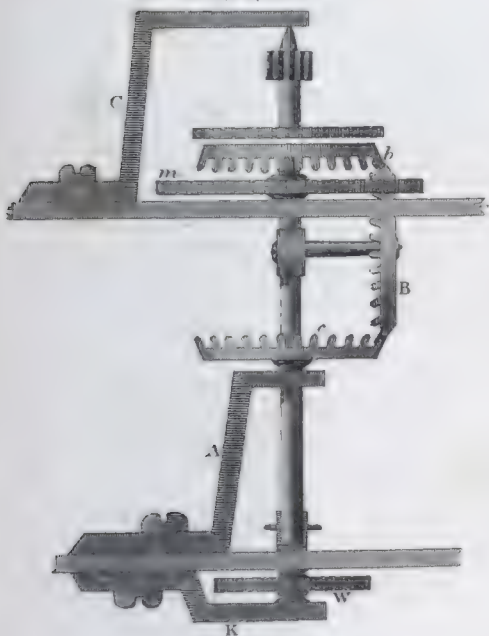


Fig. 1.

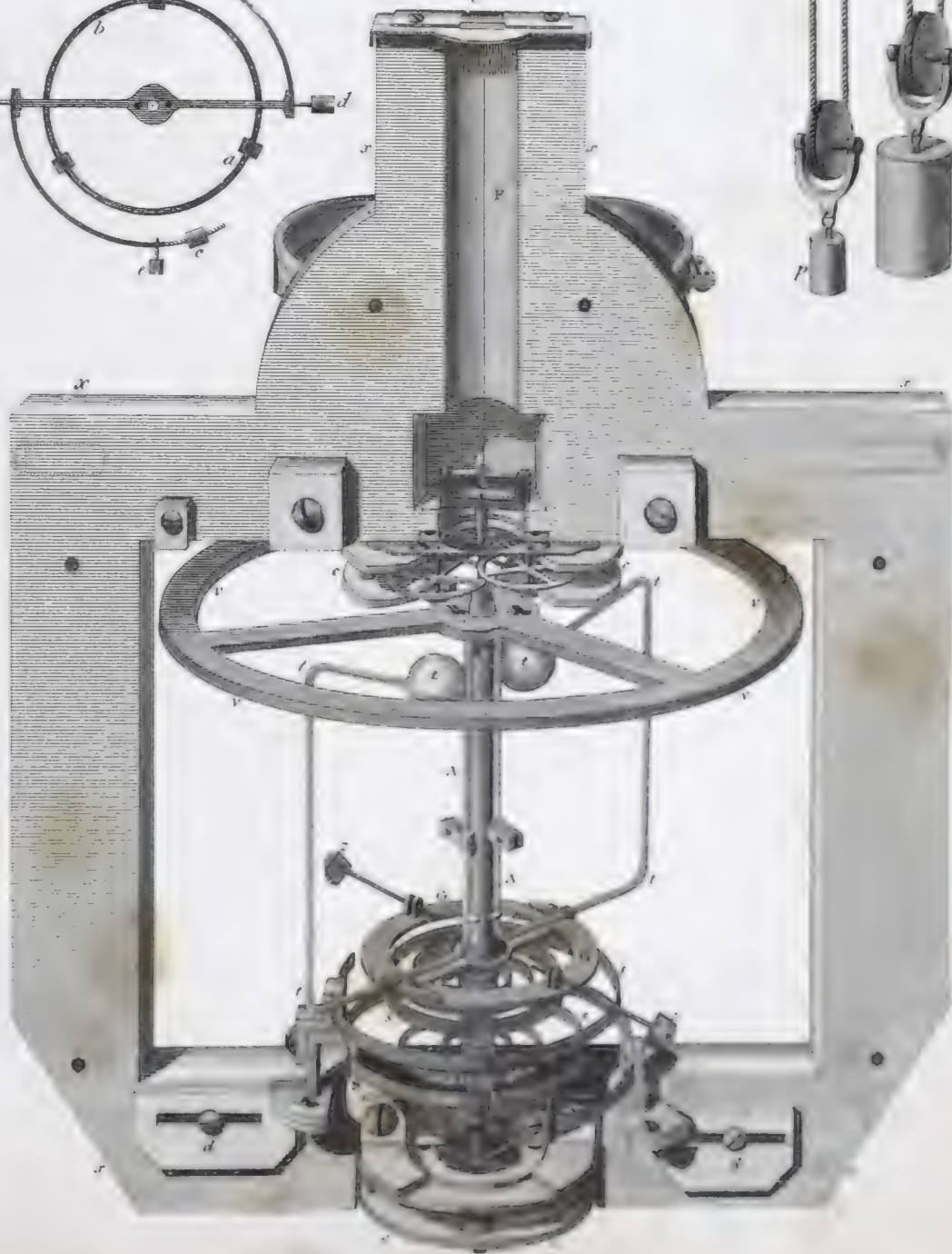


Fig. 8.



Fig. 9.

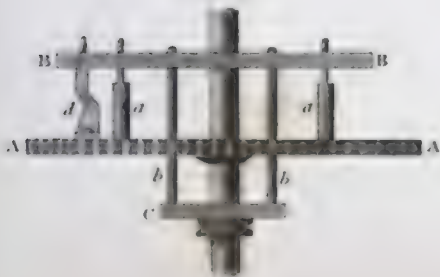




Fig. 1.

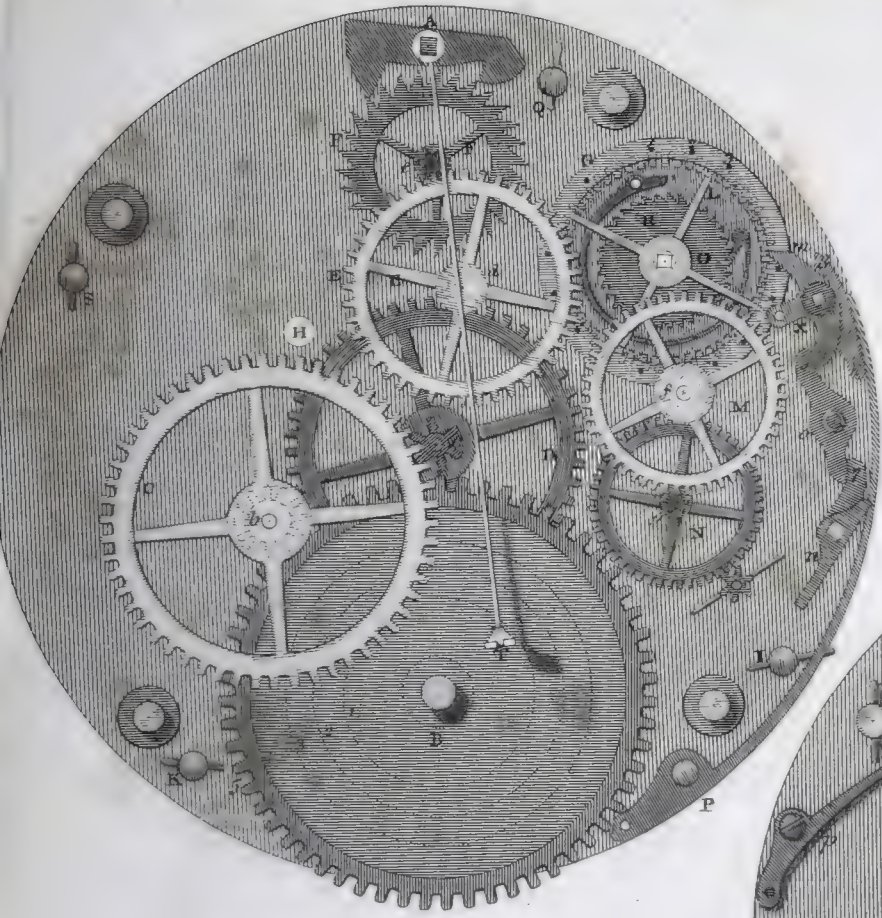


Fig. 5.



Fig. 4.

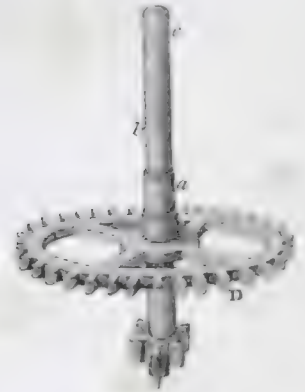


Fig. 2.

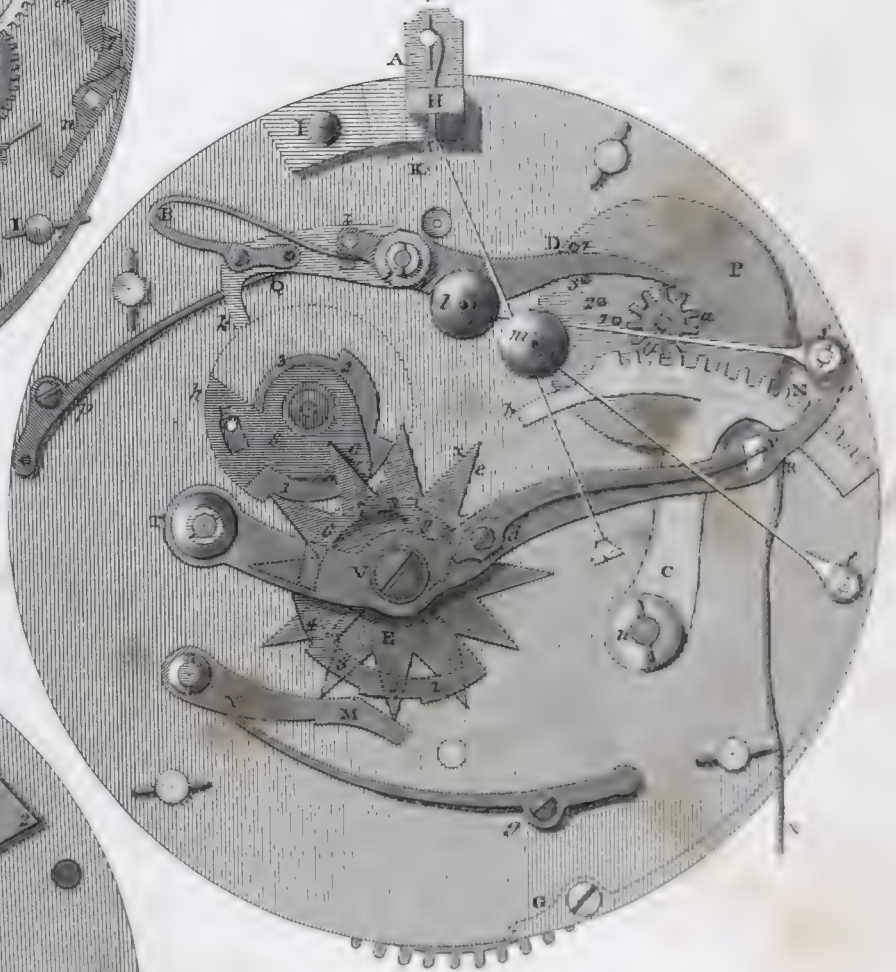


Fig. 3.

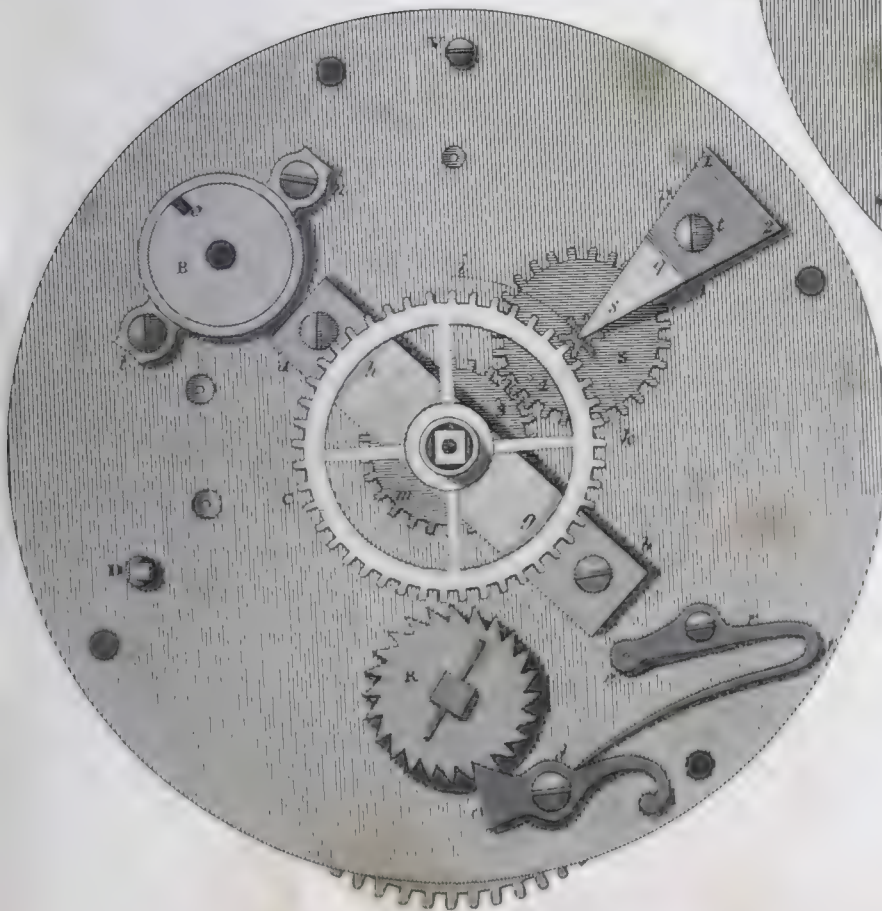


Fig. 6.



Fig. 7.

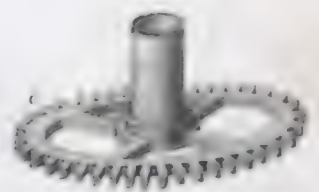




Fig. 2.

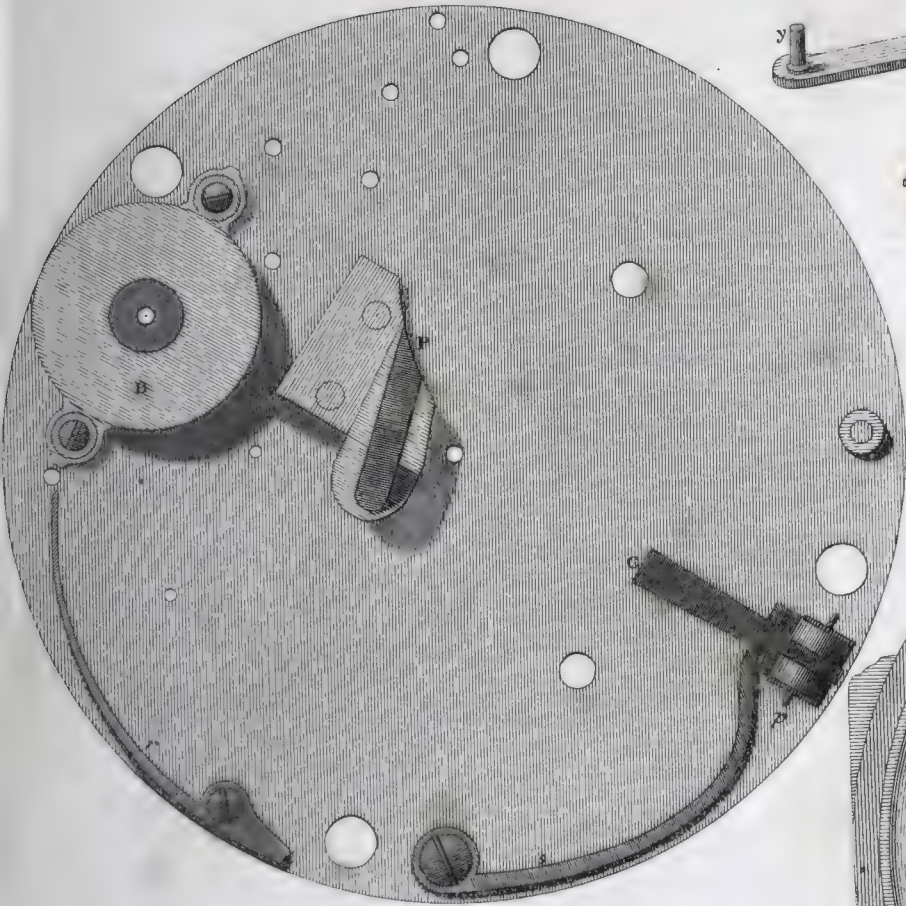


Fig. 1.



Fig. 4.

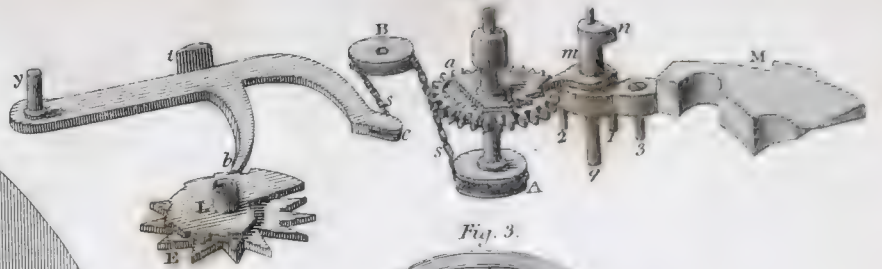


Fig. 3.



Fig. 6.



Fig. 7.



Fig. 5.



Fig. 8.



Fig. 9.







CHIMES

Fig 3

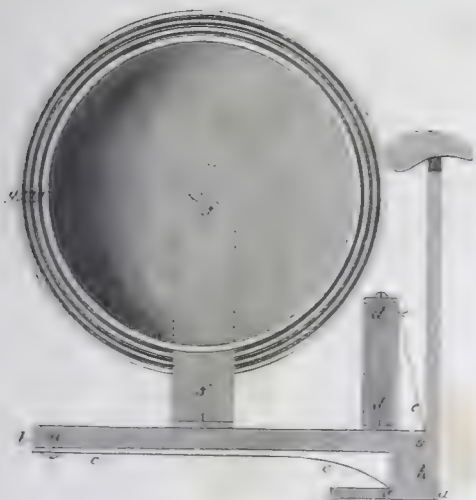


Fig 4

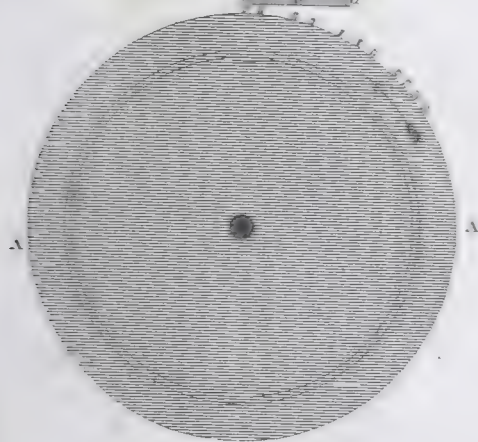
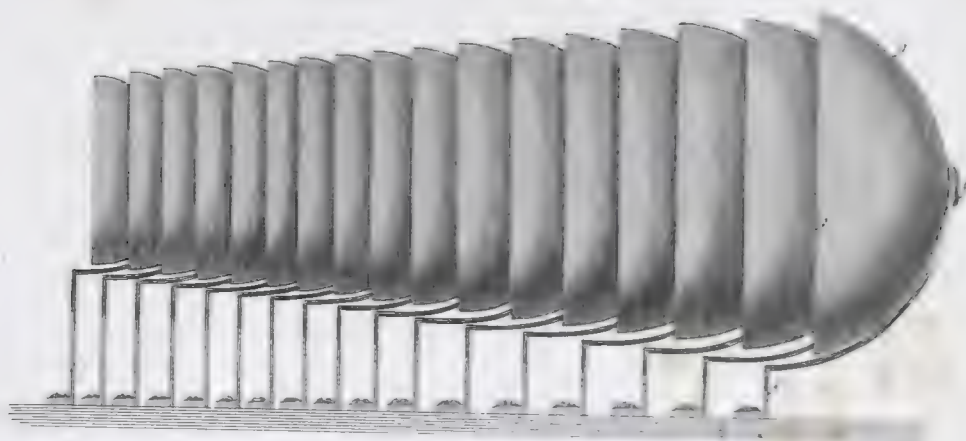


Fig 2

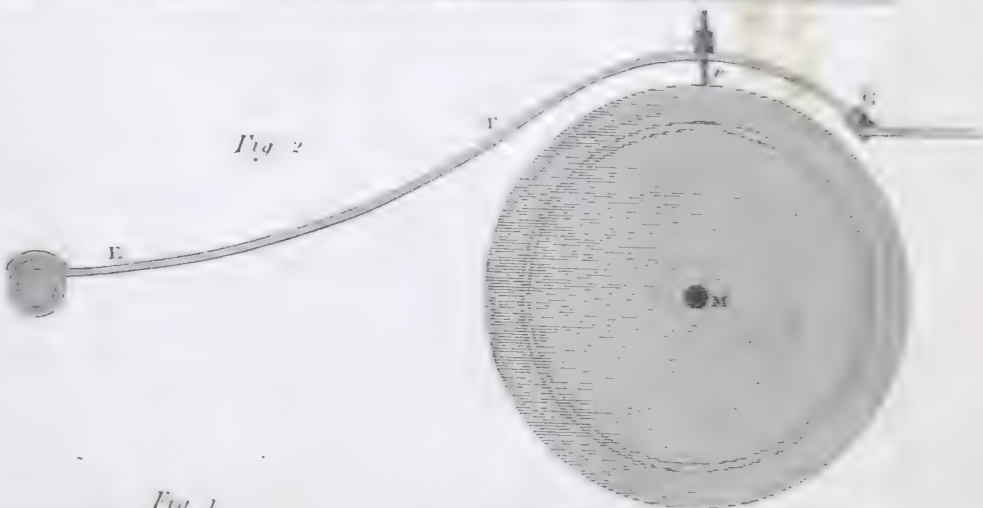


Fig 1

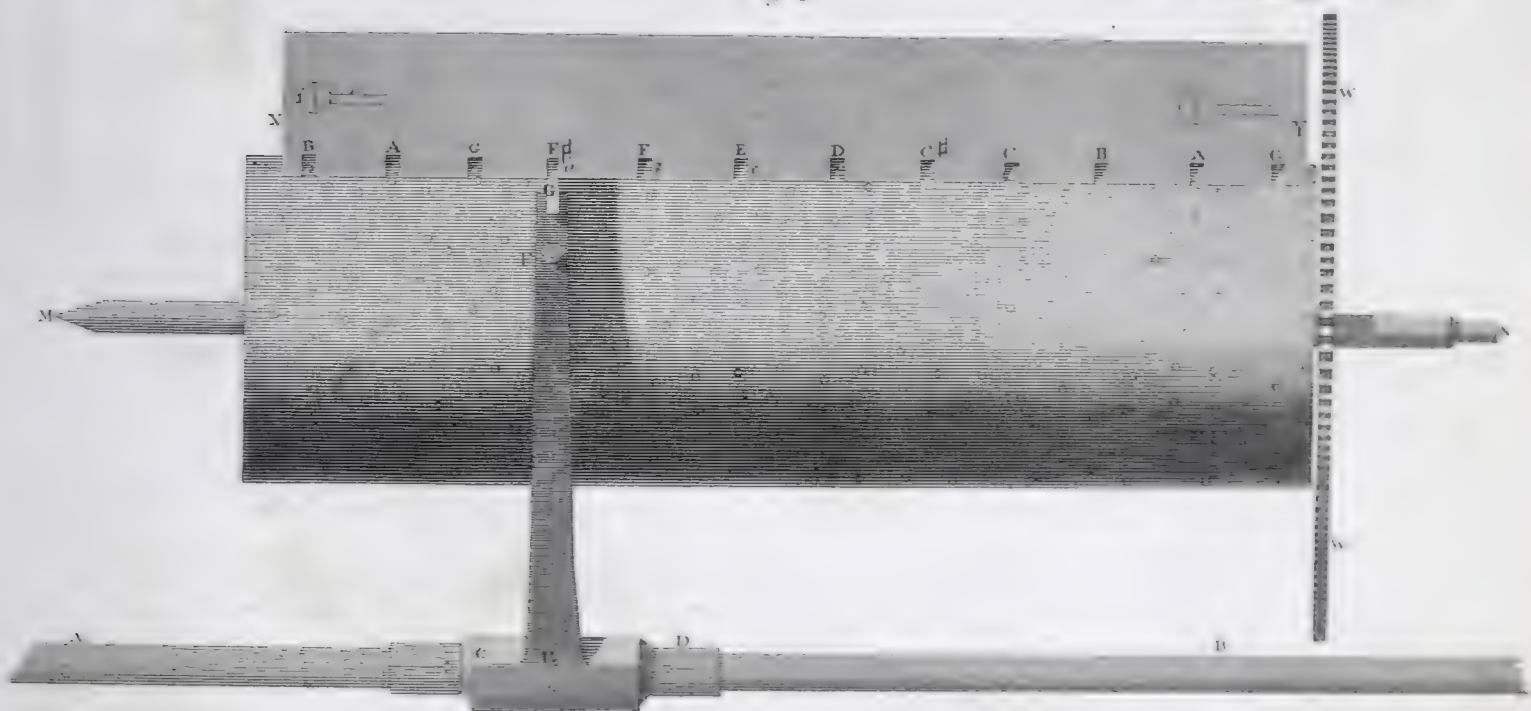
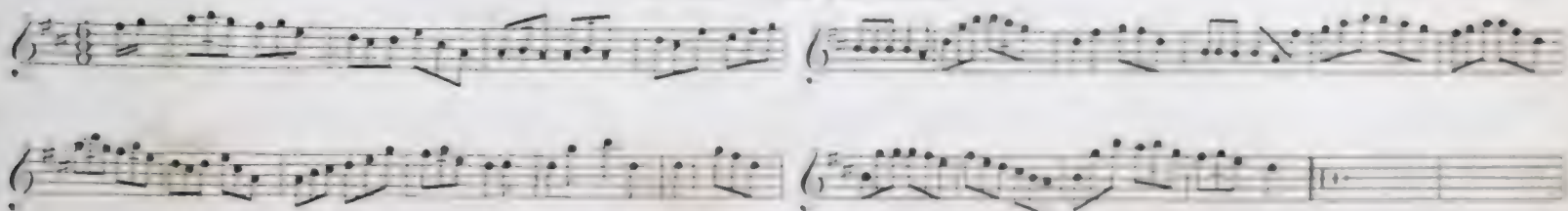


Fig 5

THE JOYFUL YOUNG WILLOW



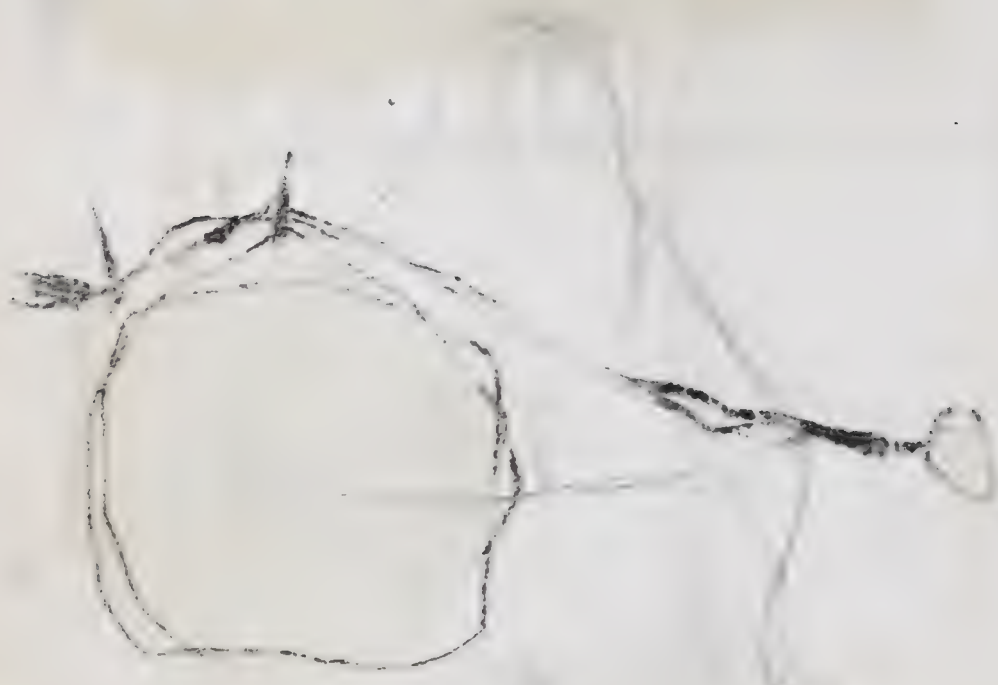


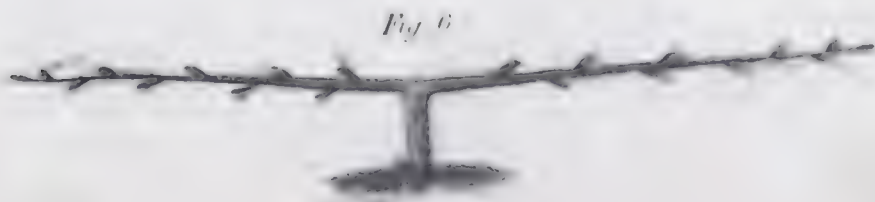
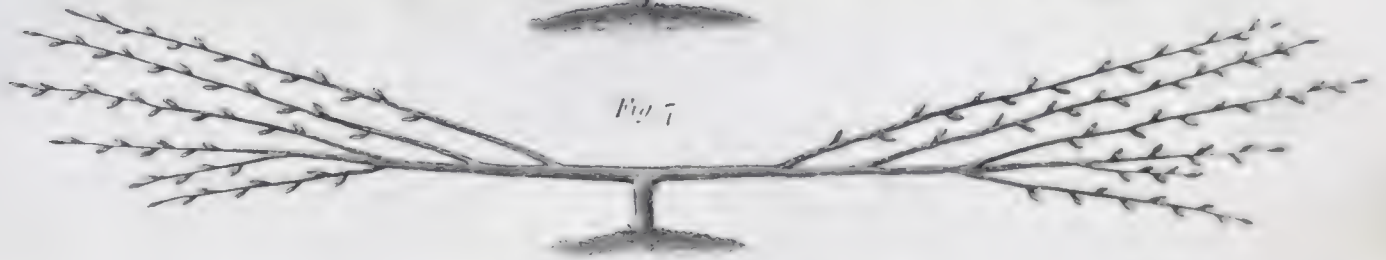
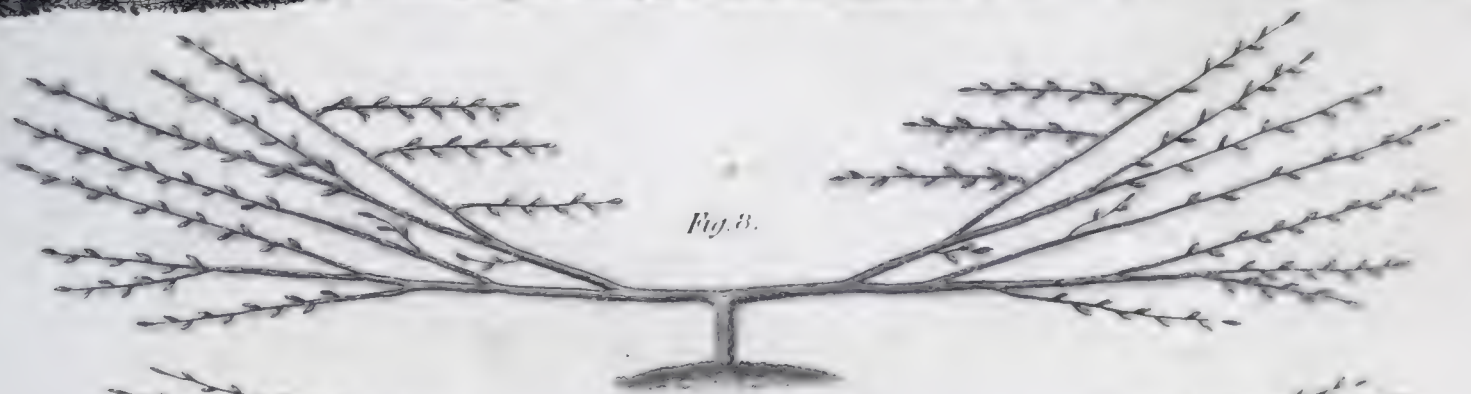
Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.



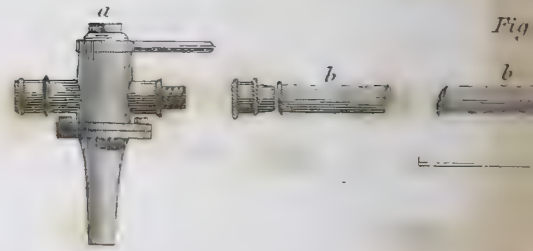


Fig. 3.

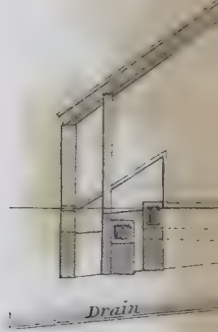
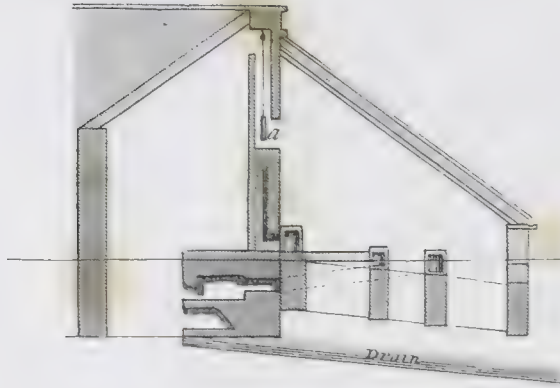
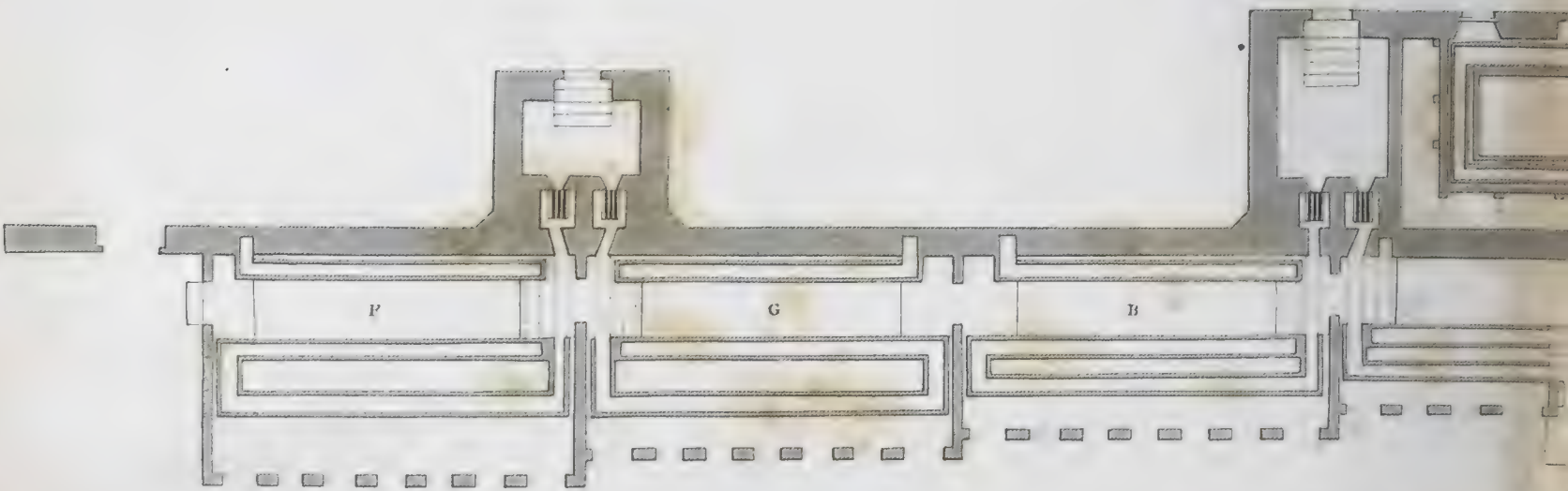
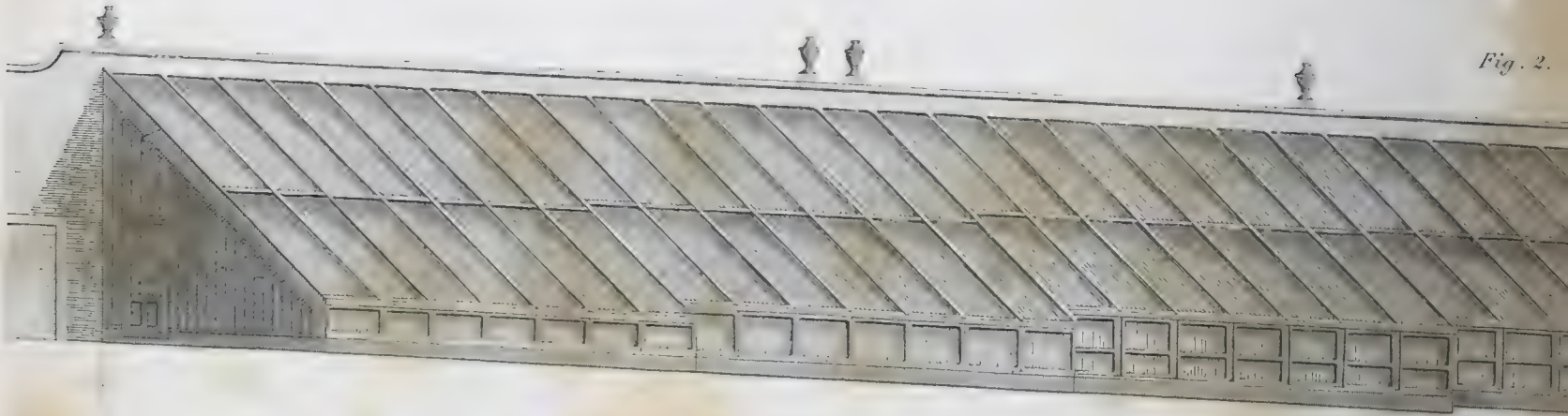


Fig. 2.



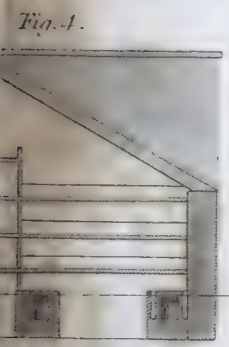
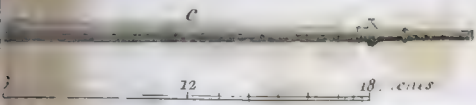
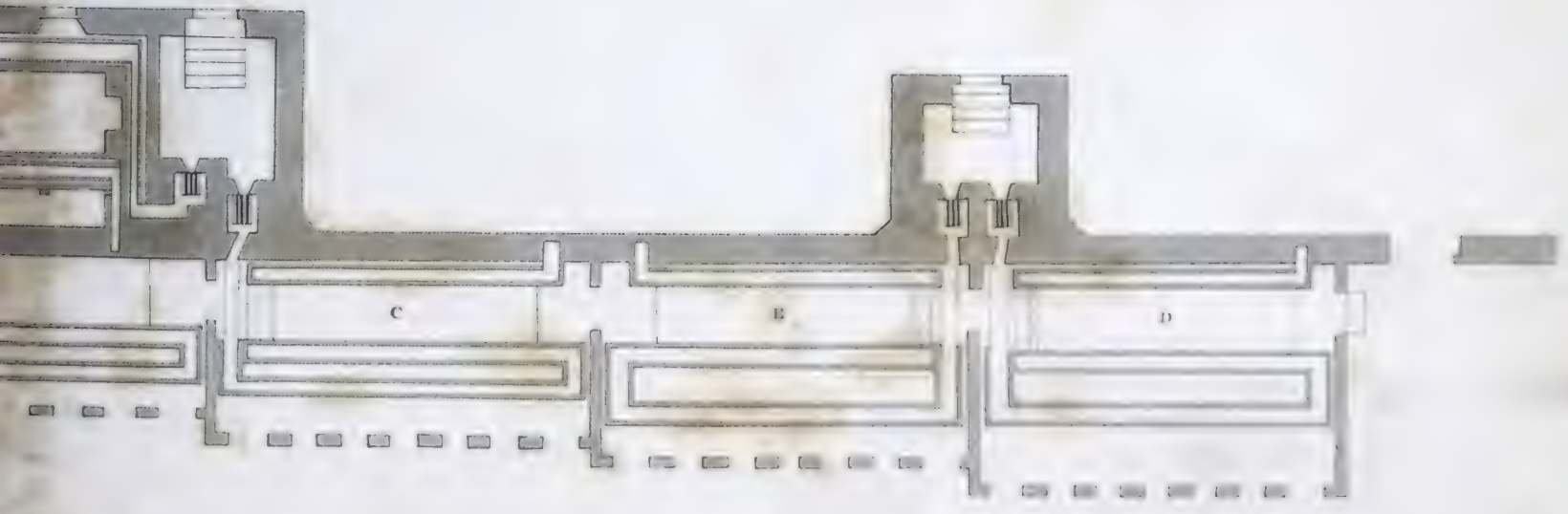
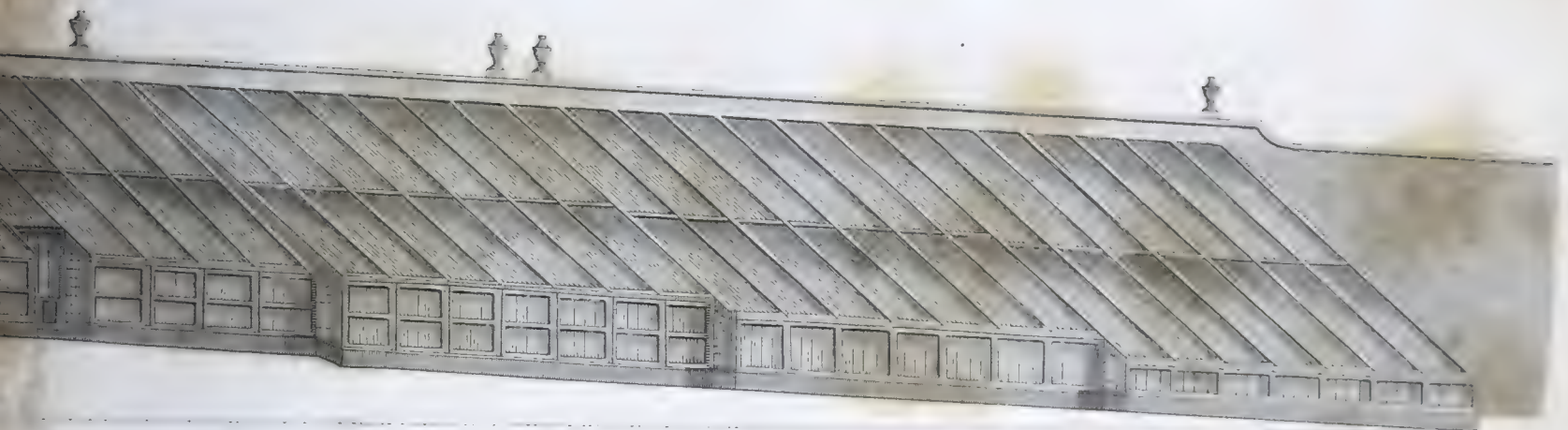
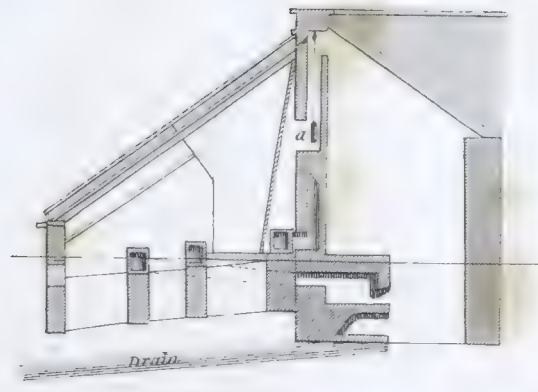


Fig. 5.





HORTICULTURE.

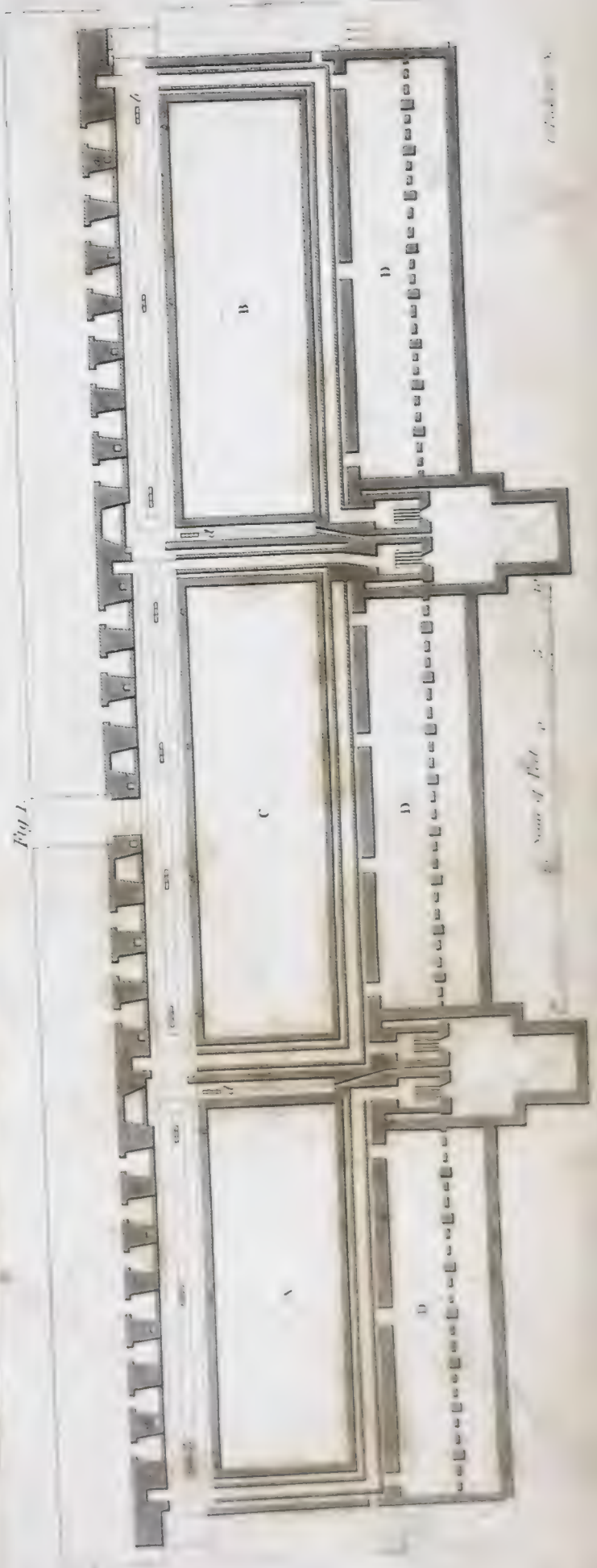
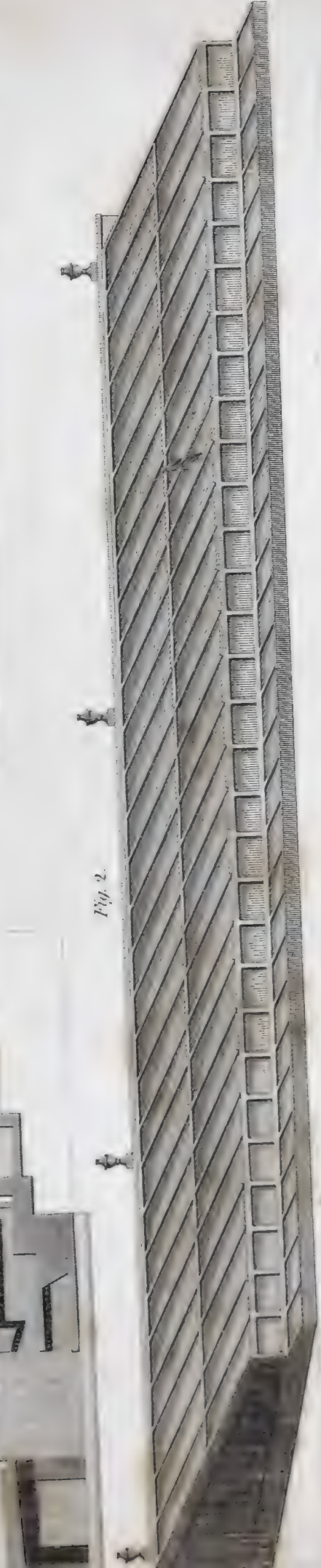
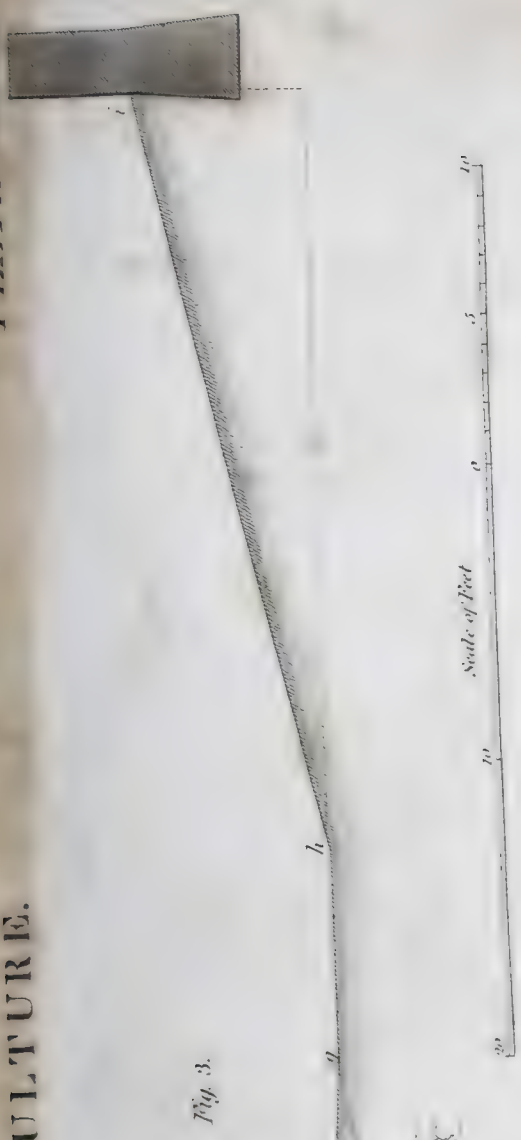




Fig. 1.



Fig. 2.

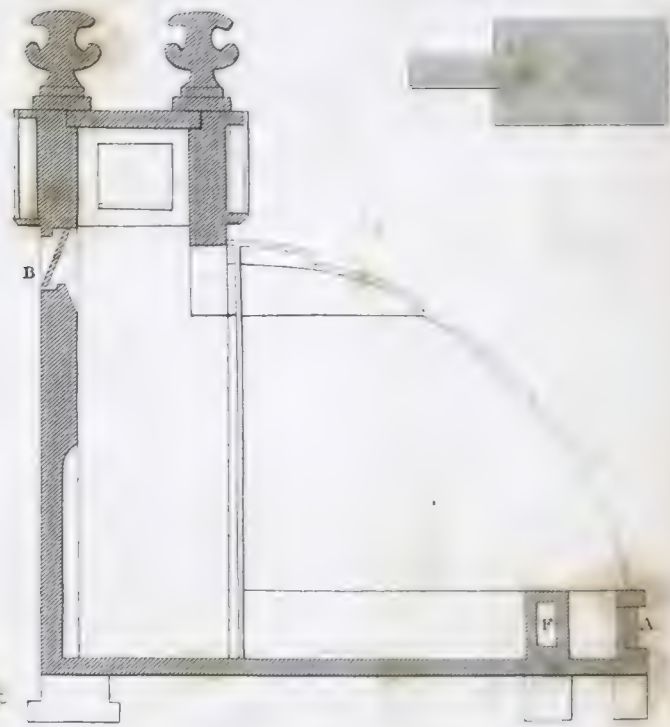


Fig. 4.

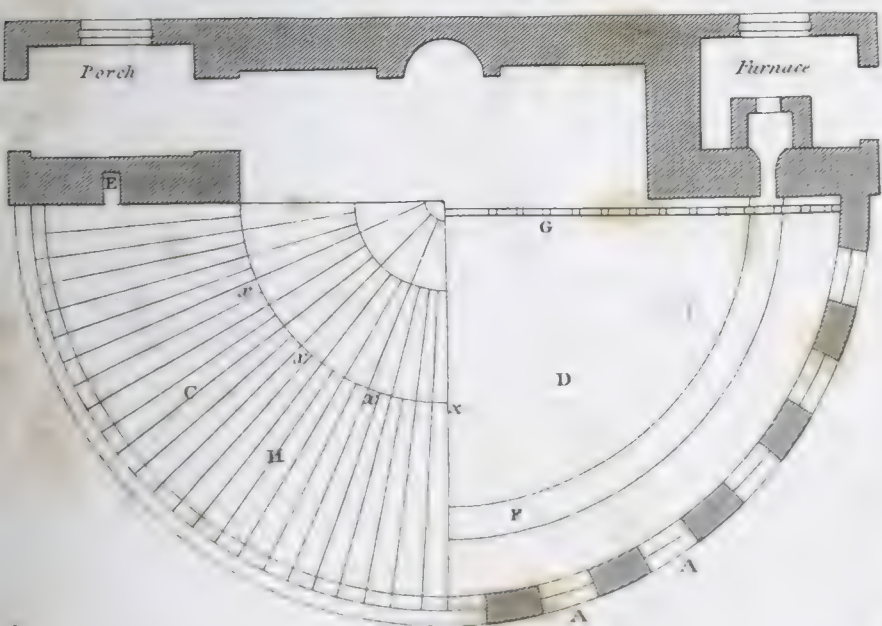
Hot house invented by Sir Geo. Mackenzie Bar^t being a Portion of a Sphere.
A Segment 31 feet long, 11 high & 13 wide, is recommended as the best size.

Sea Kale Blanching Pots

Fig. 5.



Fig. 3.



Averuncator

Fig 6



Pruning Shears

Fig 7



Scale for Hot house



Fig. 2.

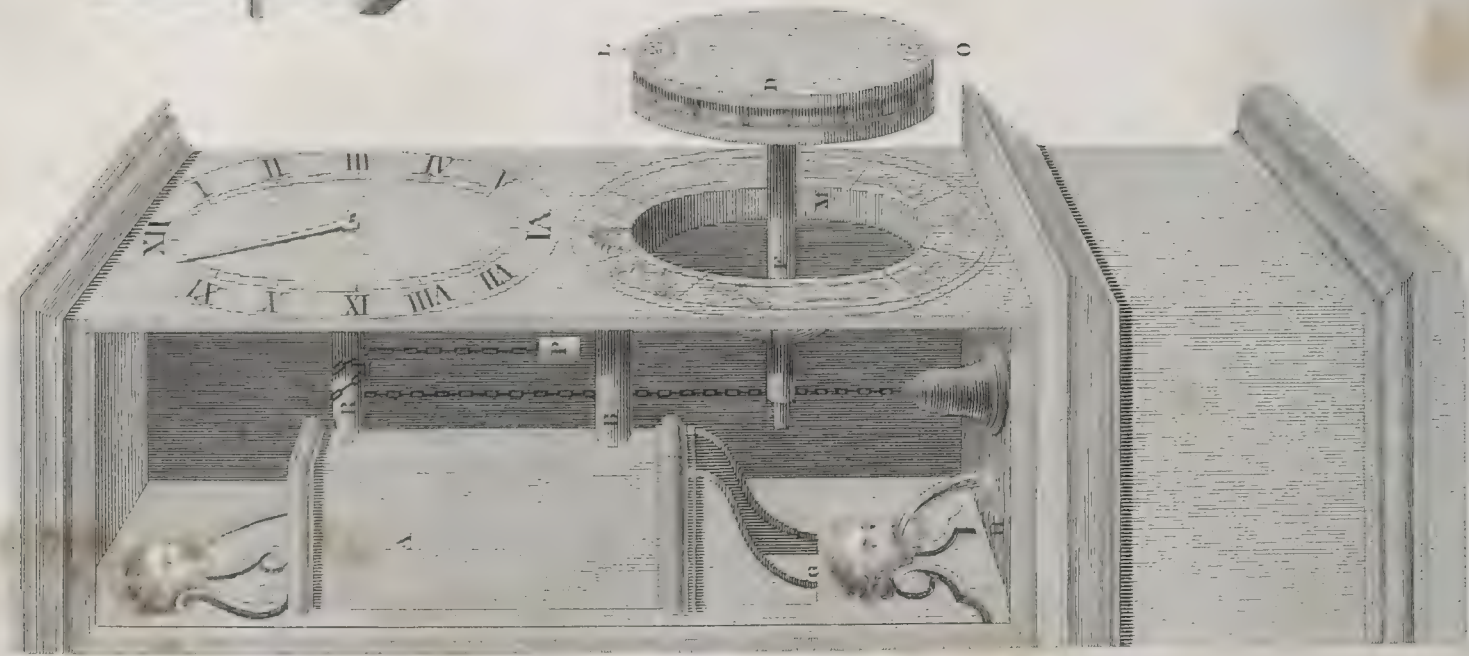


Fig. 1.

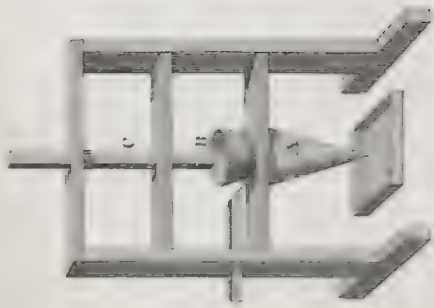


Fig. 4.

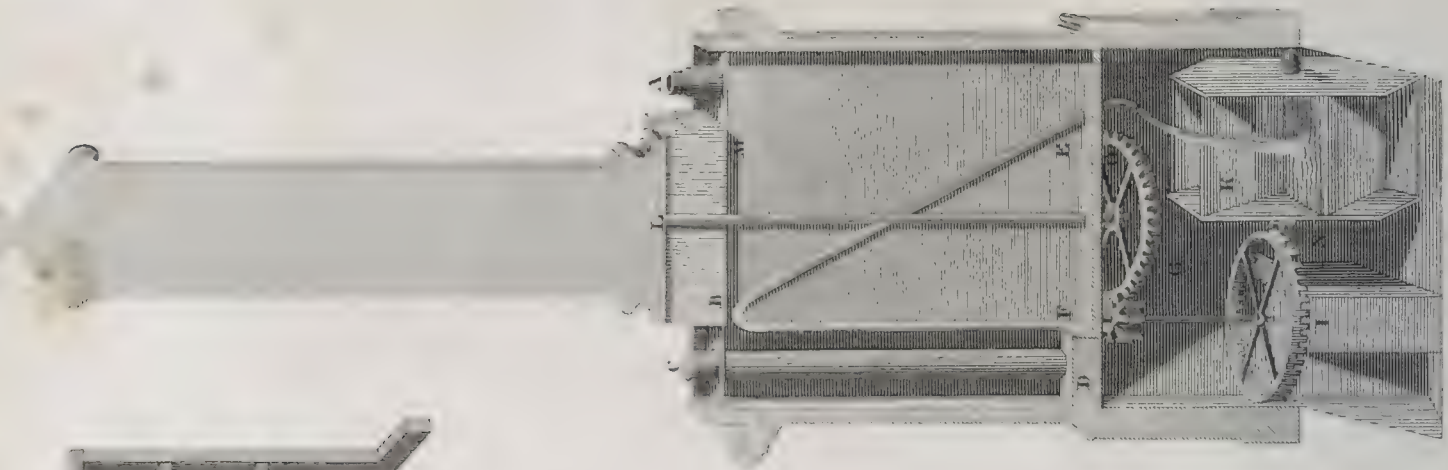


Fig. 3.

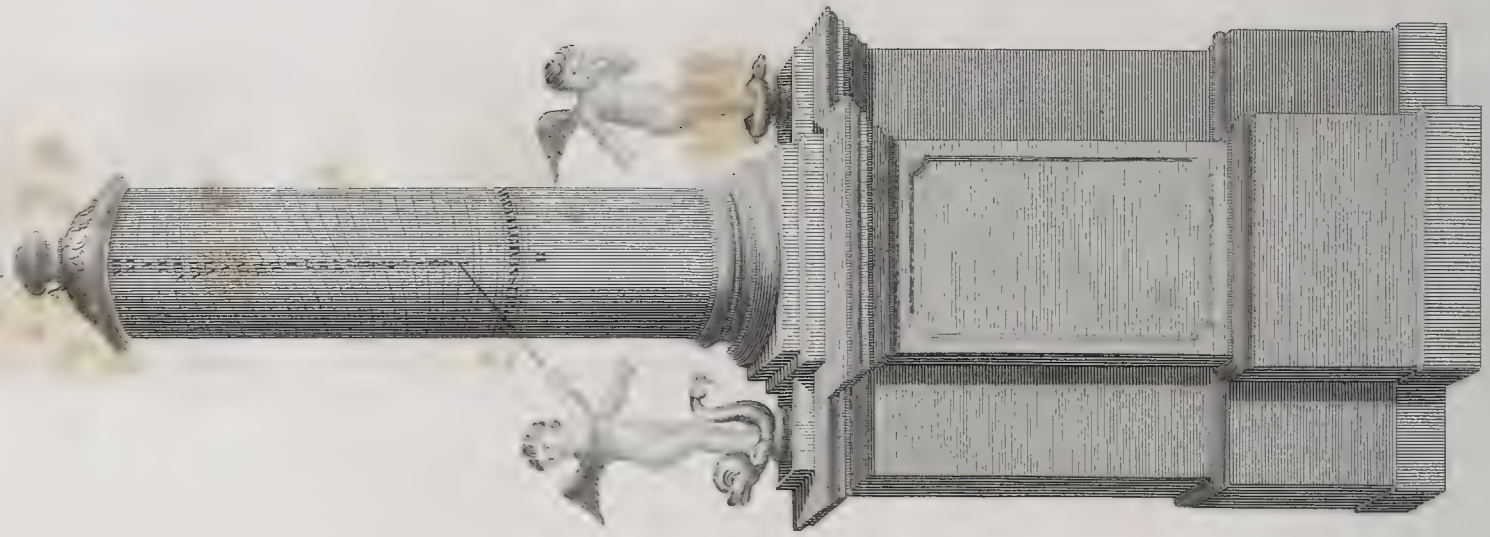


Fig. 1.

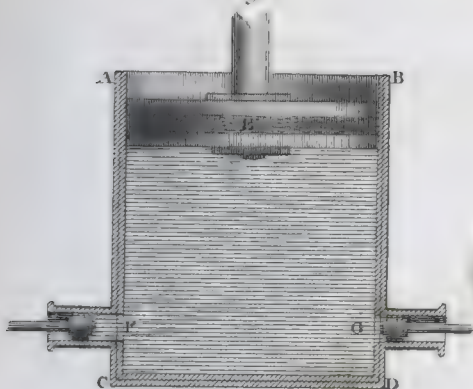


Fig. 2.

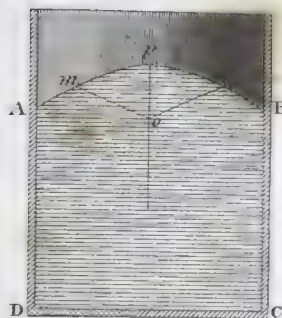


Fig. 3.

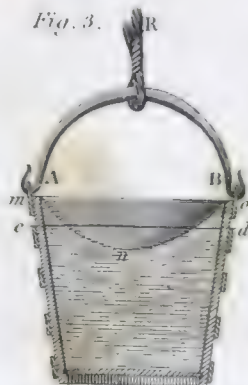


Fig. 4.

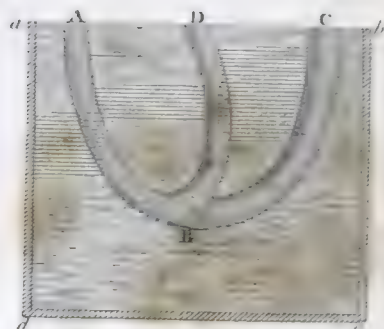


Fig. 5.

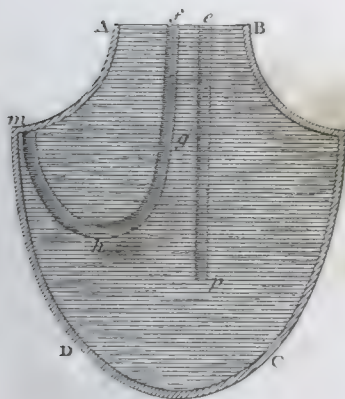


Fig. 6.

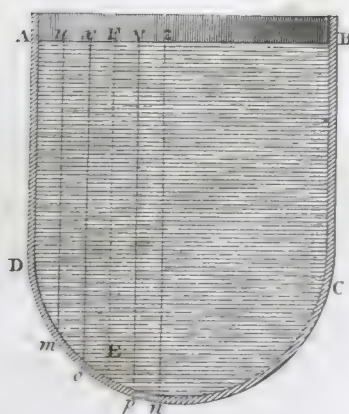


Fig. 7.

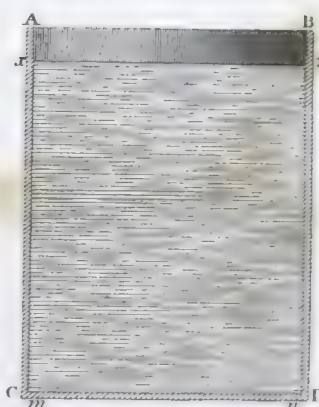


Fig. 8.

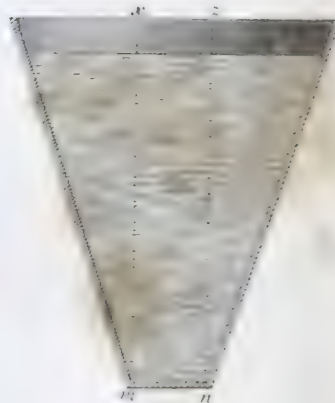


Fig. 13.

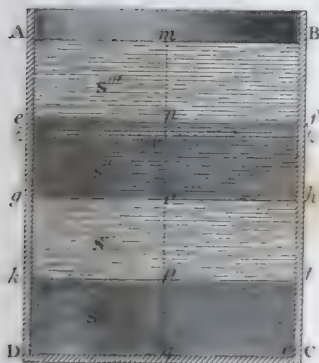


Fig. 12.



Fig. 11.

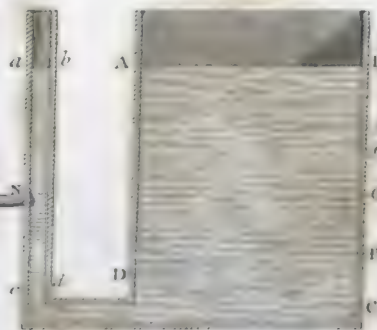


Fig. 9.



Fig. 10.

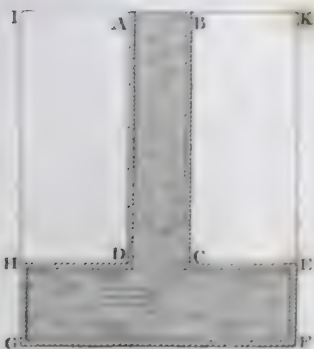


Fig. 16.

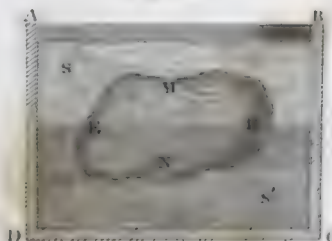


Fig. 15.



Fig. 14.





Fig. 1.

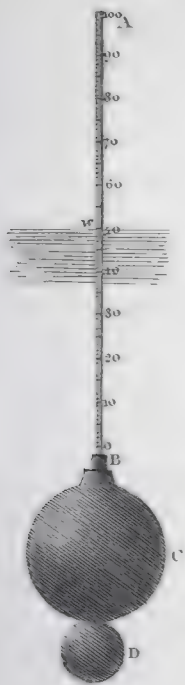


Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.

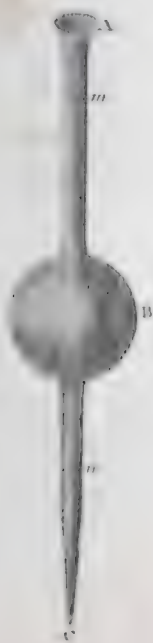


Fig. 7.

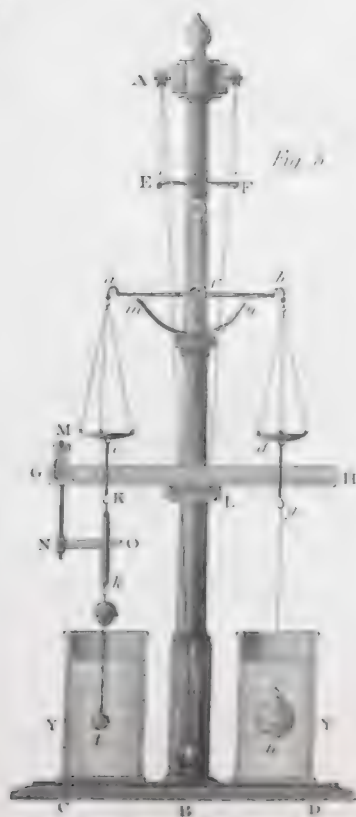


Fig. 8.



Fig. 9.



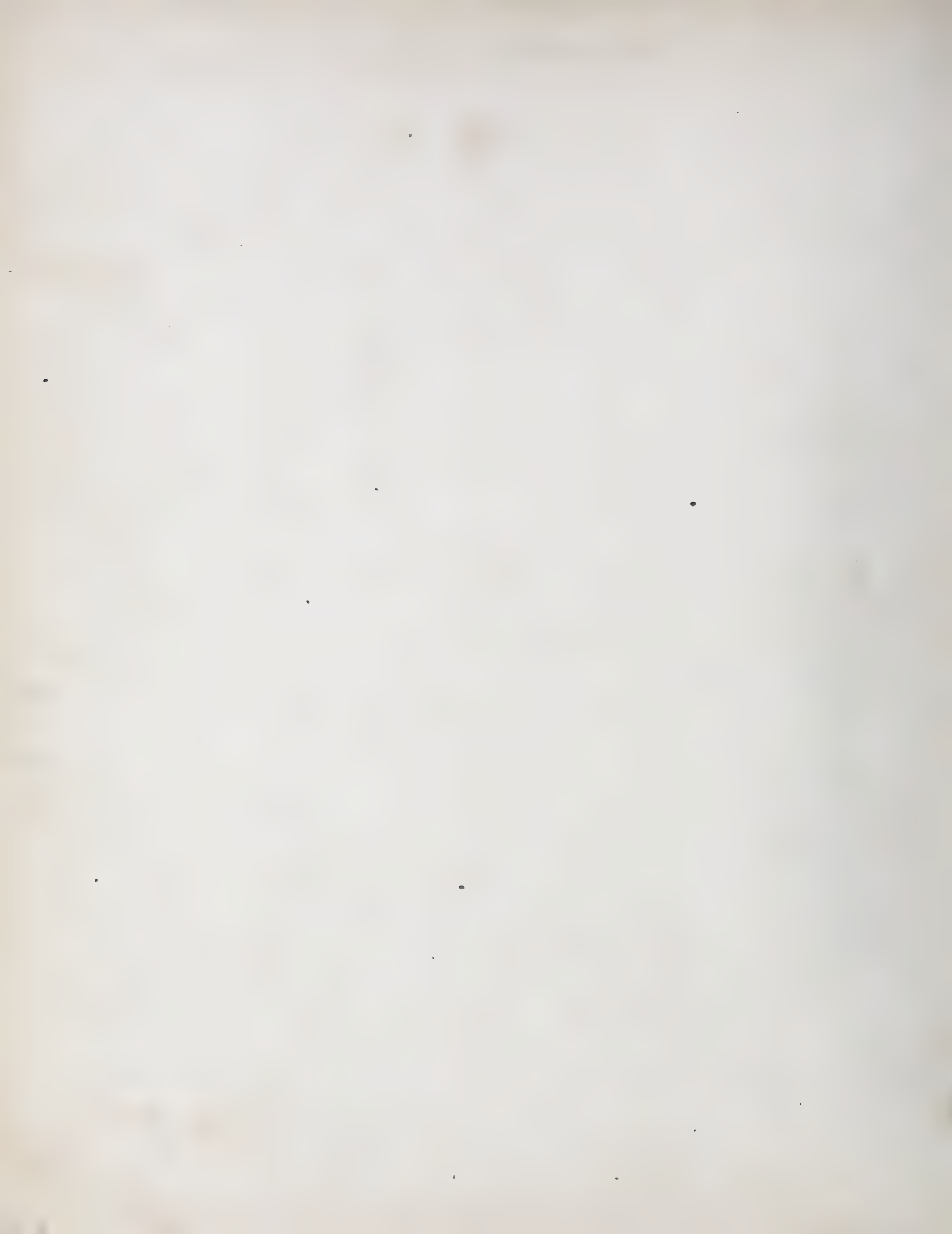


Fig. 1.

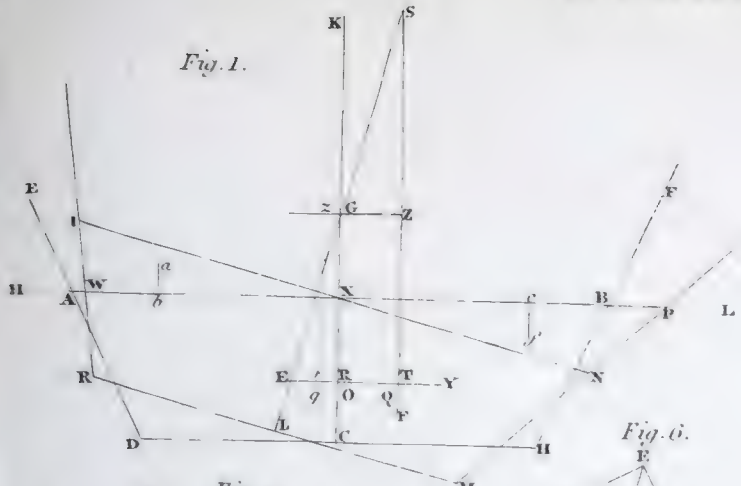


Fig. 2.

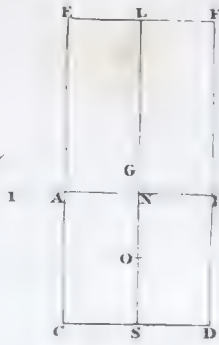


Fig. 3.

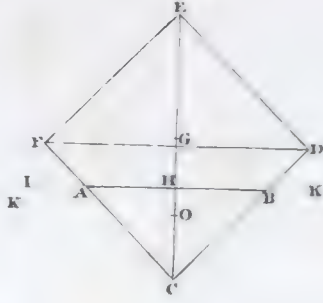


Fig. 4.

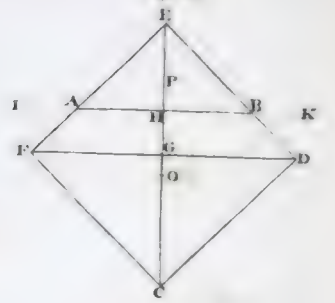


Fig. 5.

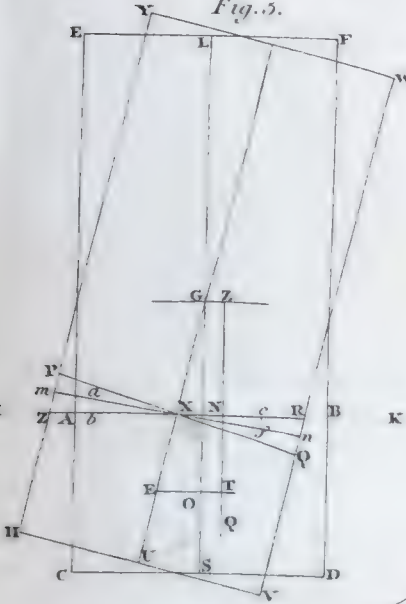


Fig. 6.

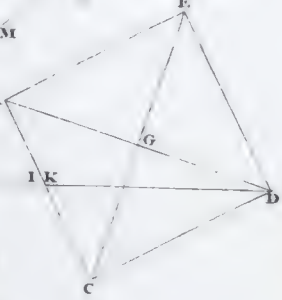


Fig. 7.



Fig. 8.

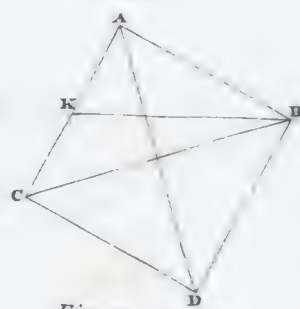


Fig. 10.

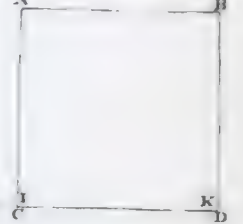


Fig. 11.



Fig. 12.



Fig. 13.

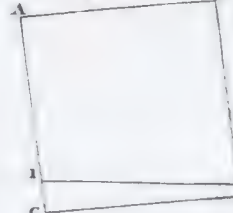


Fig. 14.



Fig. 9.

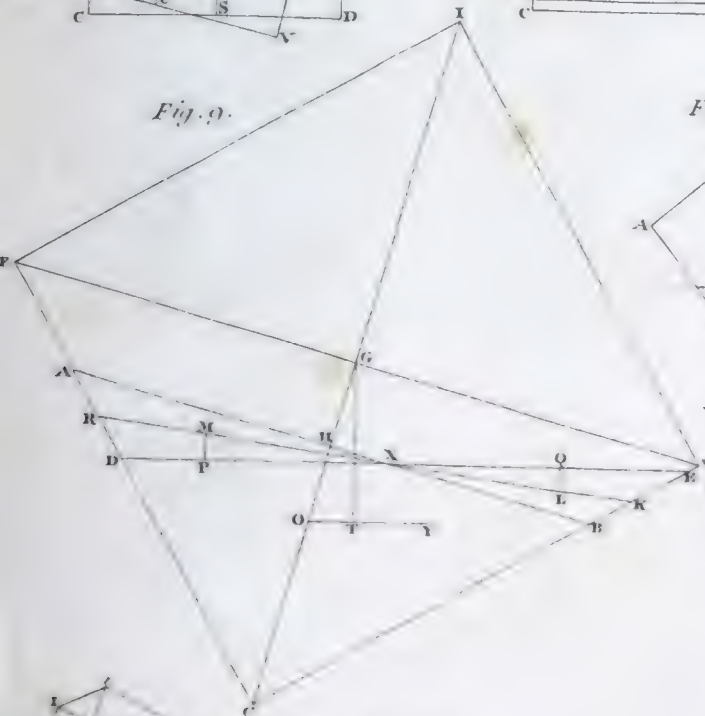


Fig. 15.



Fig. 16.



Fig. 17.



Fig. 18.



Fig. 19.

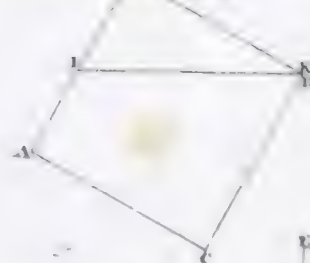


Fig. 22.



Fig. 23.



Fig. 20.



Fig. 21.





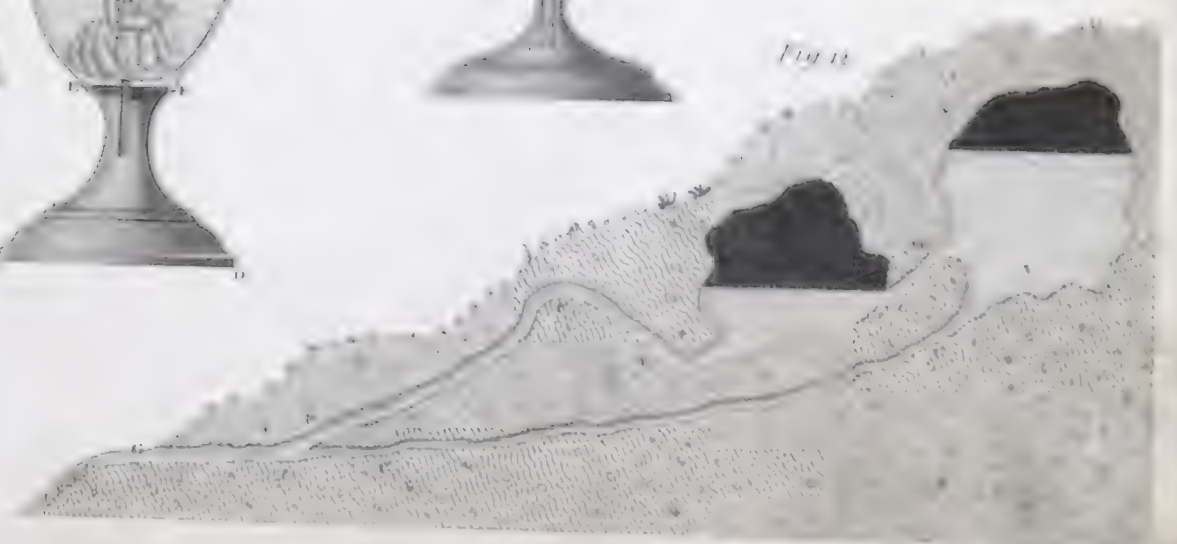
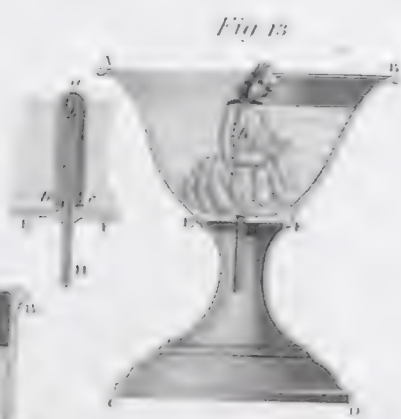
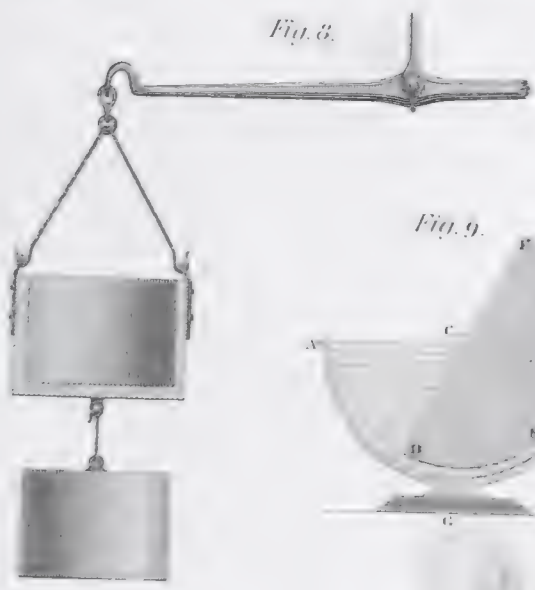
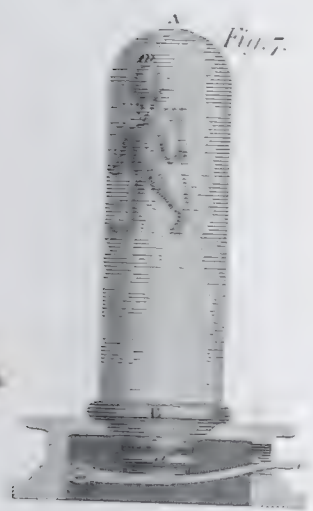
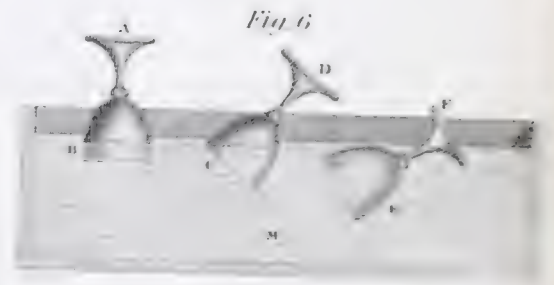
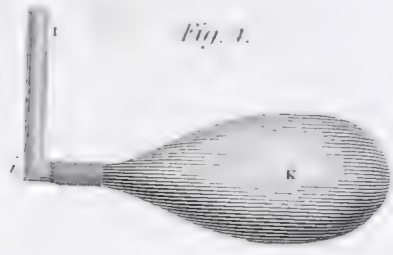
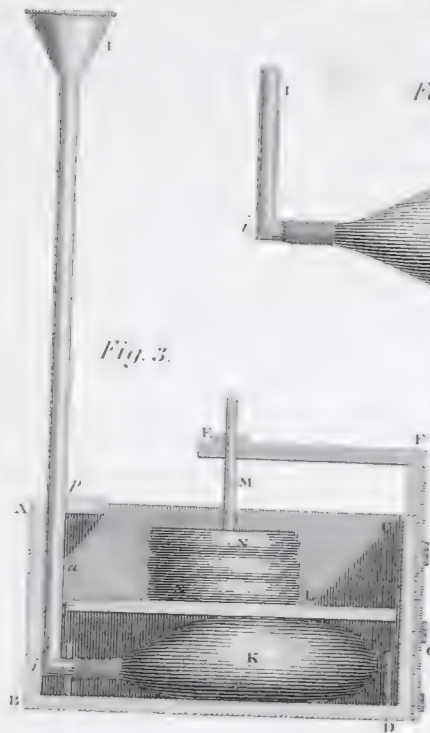
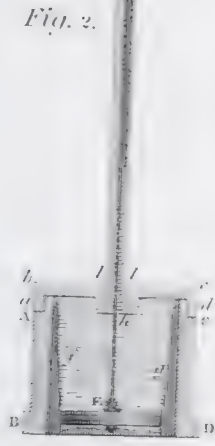
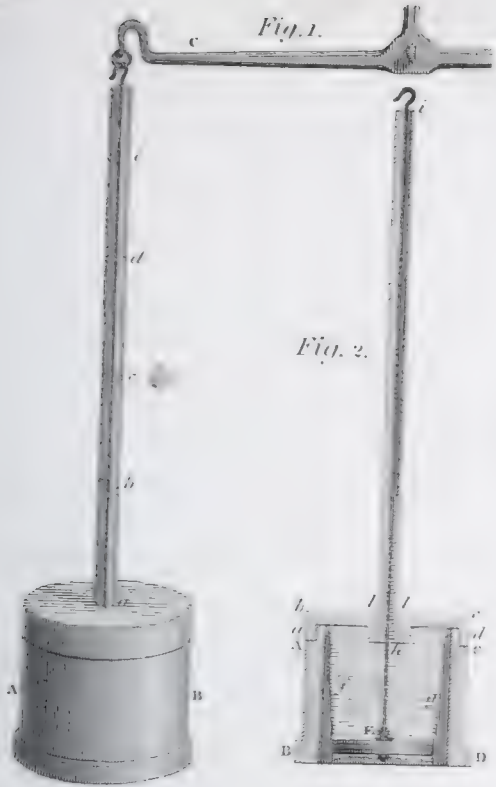




Fig. 1.

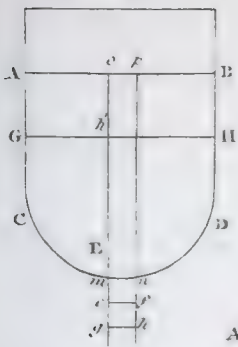


Fig. 2.

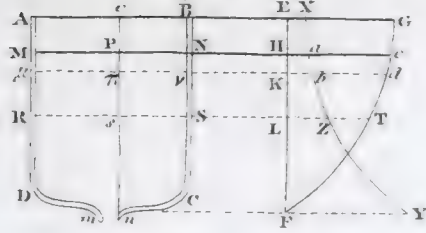


Fig. 3.



Fig. 5.

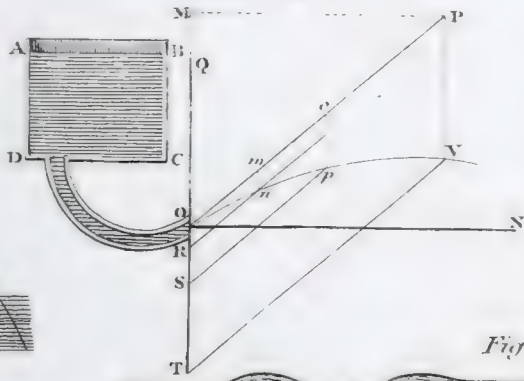


Fig. 5. N° 2.

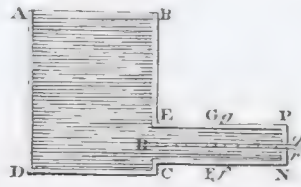


Fig. 5. N° 3.

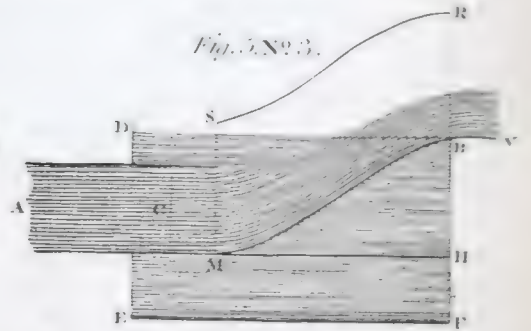


Fig. 7.

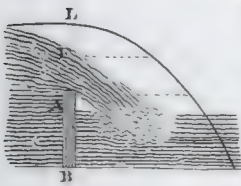


Fig. 5. N° 4.

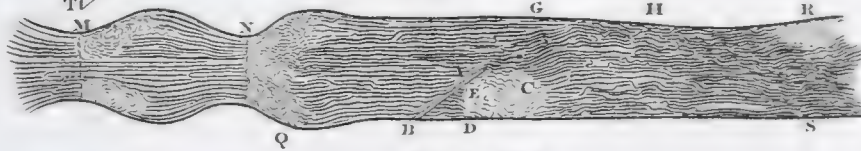


Fig. 1.

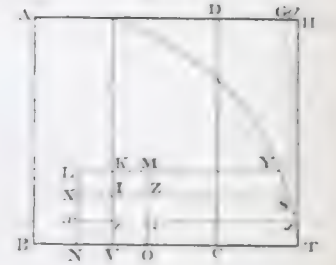


Fig. 6.



Fig. 5. N° 5.

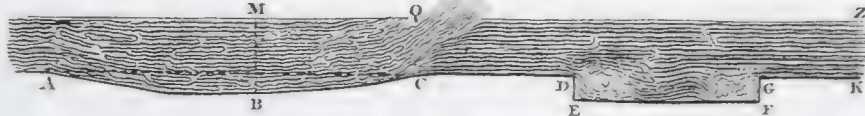


Fig. 11.

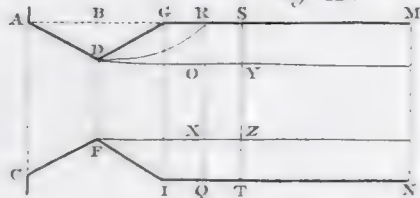


Fig. 12.

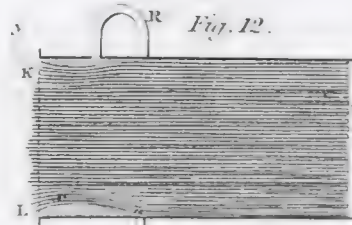


Fig. 8.

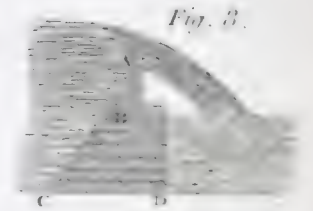


Fig. 13.



Fig. 10.



Fig. 15.

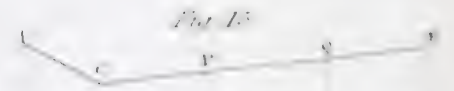


Fig. 9.

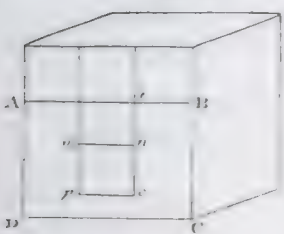


Fig. 11.

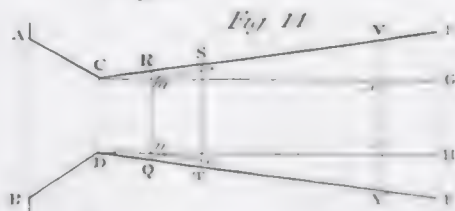


Fig. 10.

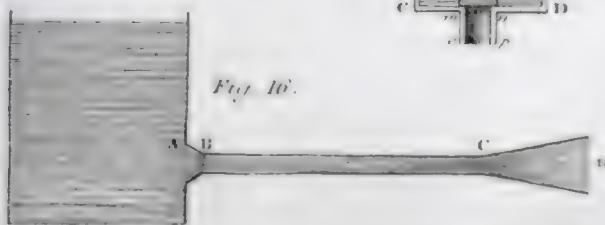


Fig. 17.

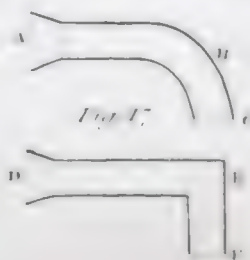


Fig. 18.



Handwritten scribbles and lines, possibly representing a signature or abstract drawing.

Fig. 1.

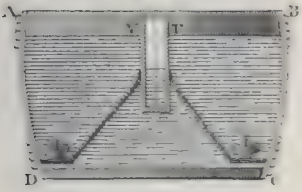


Fig. 2.



Fig. 3.

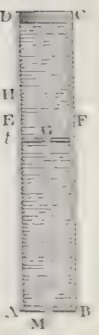


Fig. 4.

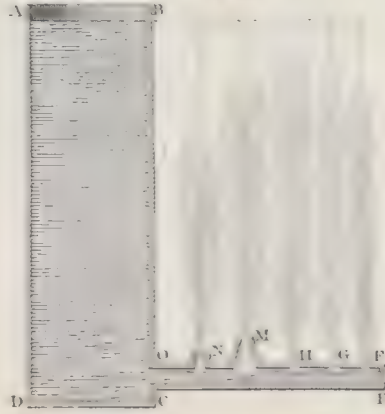


Fig. 5.

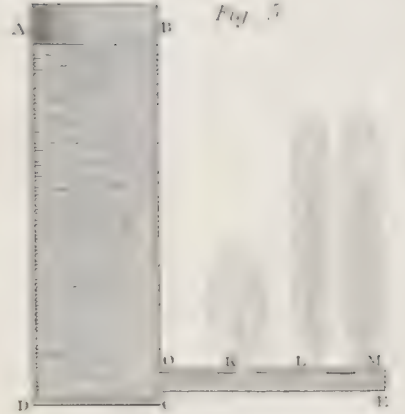


Fig. 13.

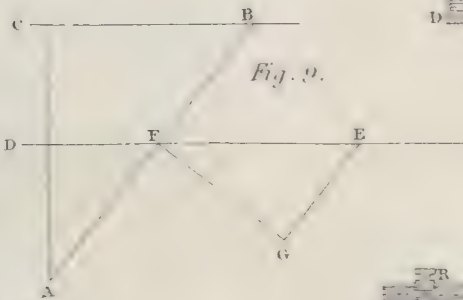
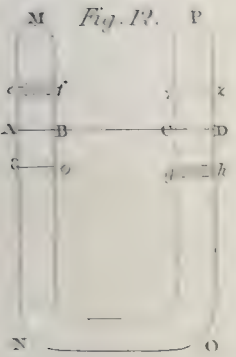


Fig. 9.

Fig. 6.

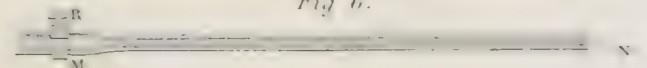


Fig. 7.

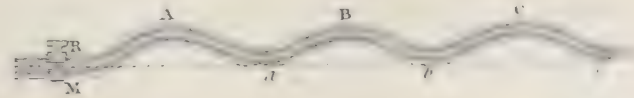


Fig. 8.

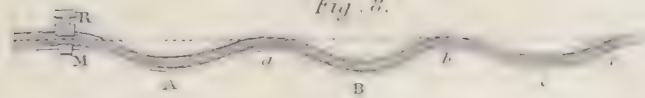


Fig. 11.

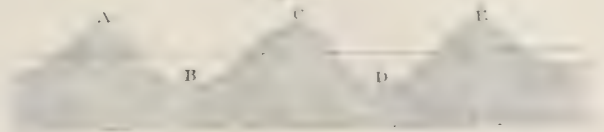


Fig. 14.

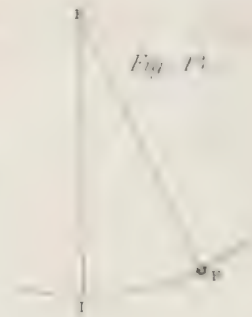


Fig. 10.

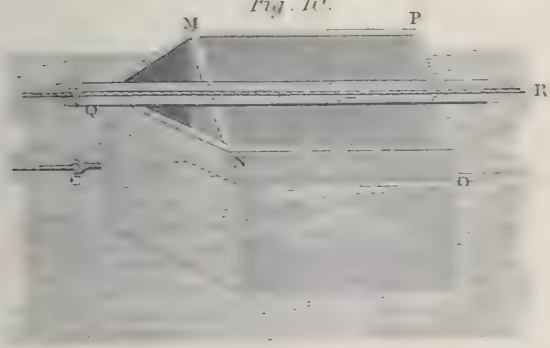


Fig. 12.



Fig. 17.

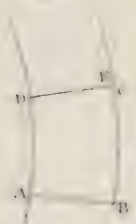


Fig. 15.

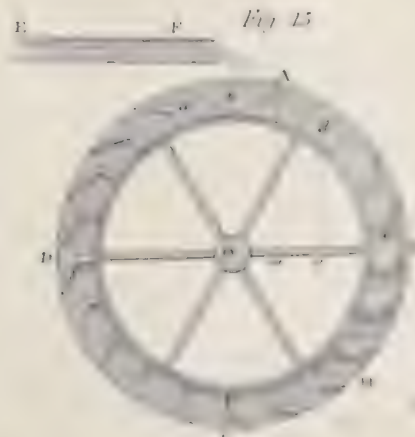


Fig. 16.

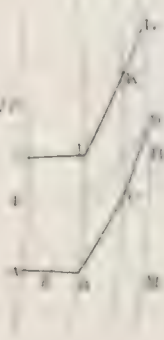


Fig. 18.



Fig. 19.

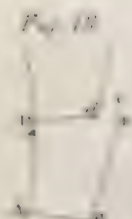




Fig. 1.

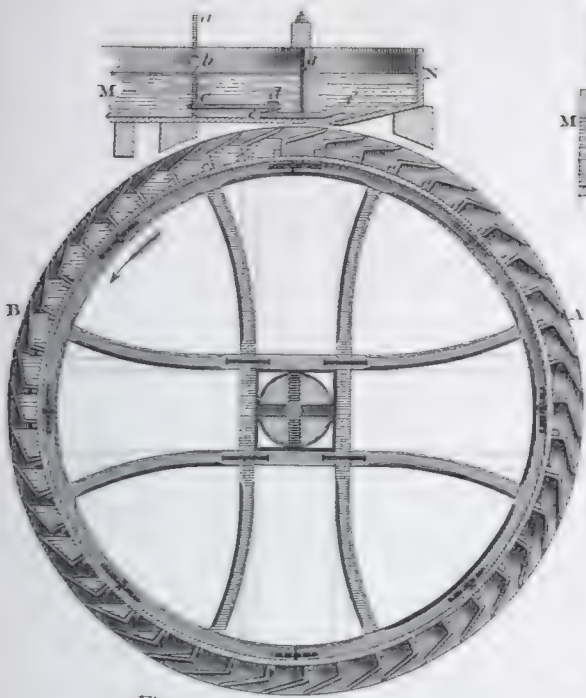


Fig. 2.

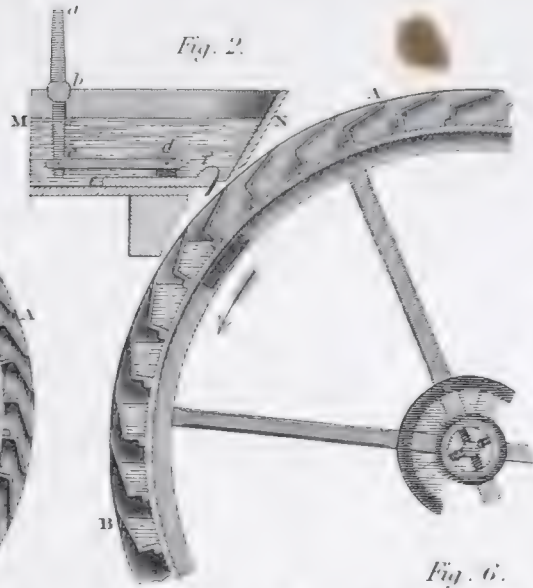


Fig. 3.



Fig. 5.

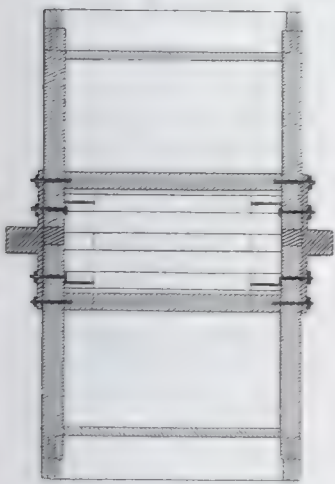


Fig. 4.

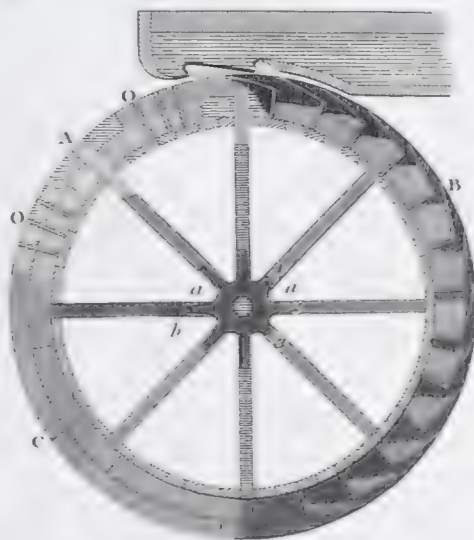


Fig. 6.



Fig. 7.

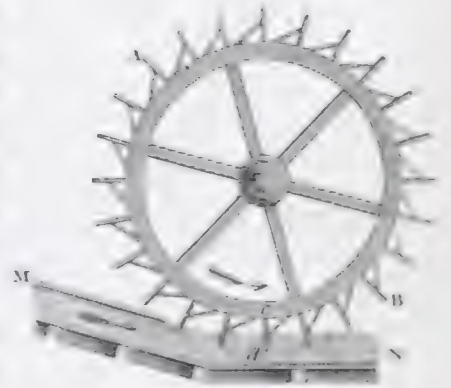


Fig. 9.

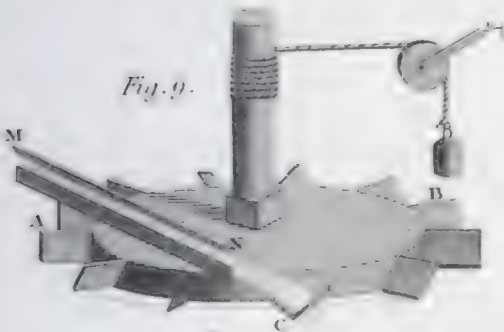


Fig. 8.

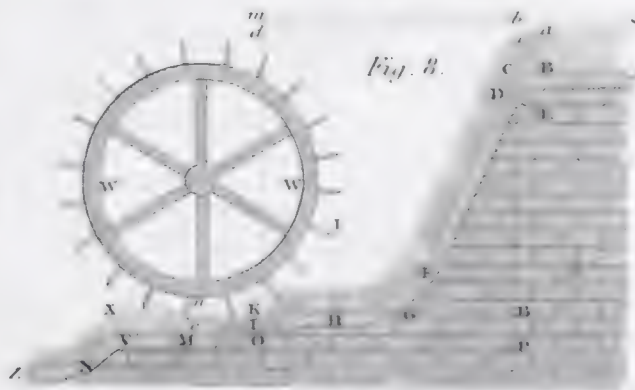


Fig. 12.

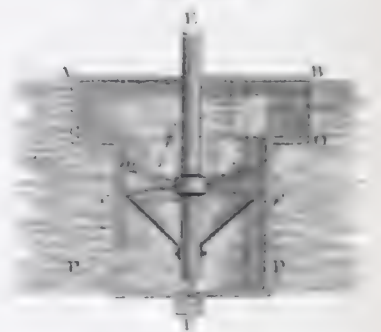


Fig. 10.



Fig. 11.



Fig. 13.





Fig. 1.

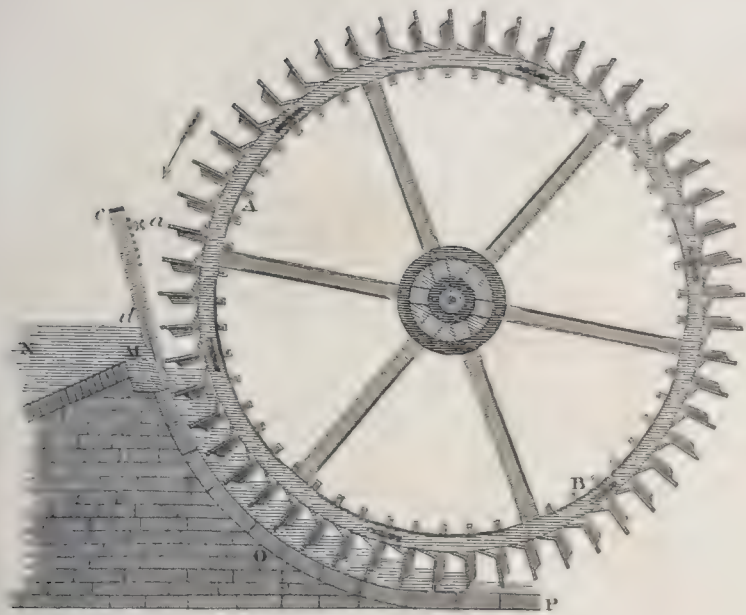


Fig. 5.

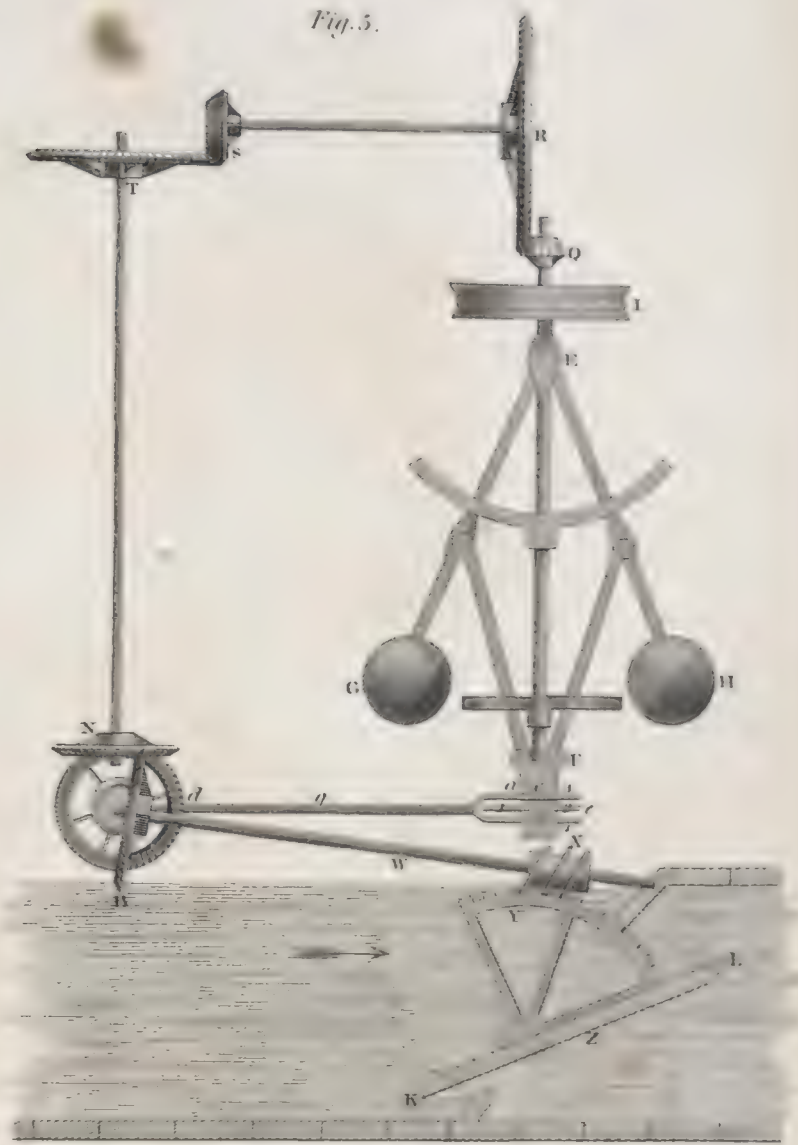


Fig. 2.

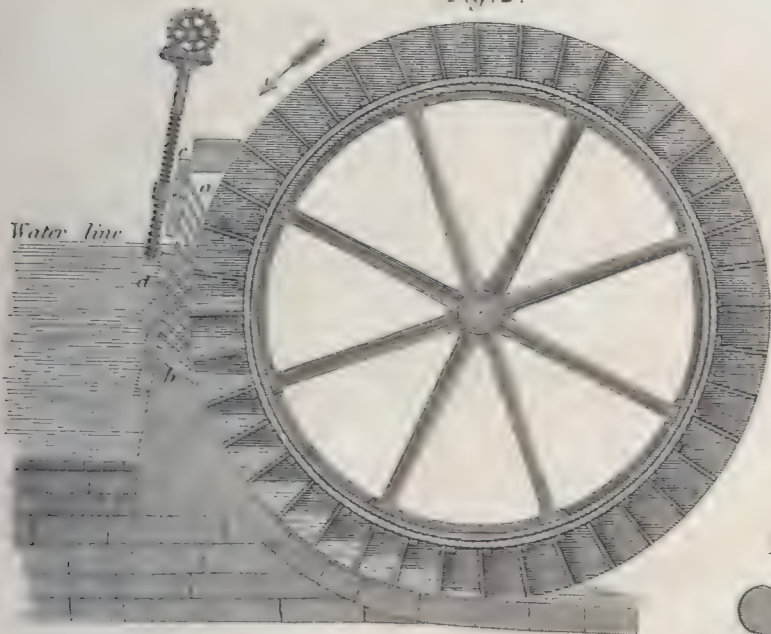


Fig. 8.

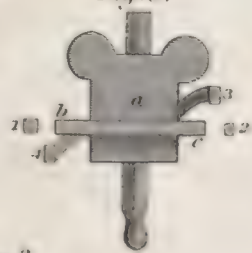


Fig. 7.

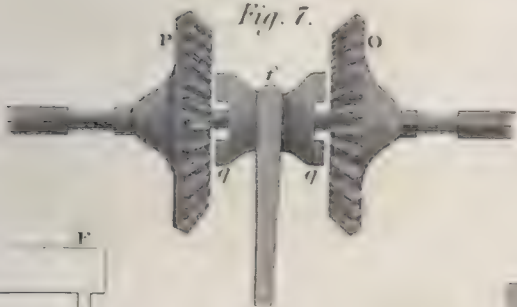
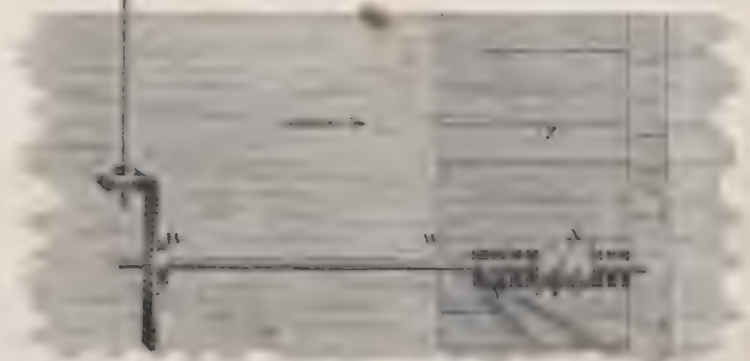
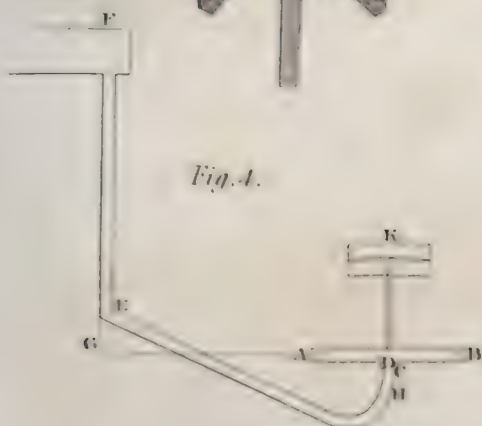


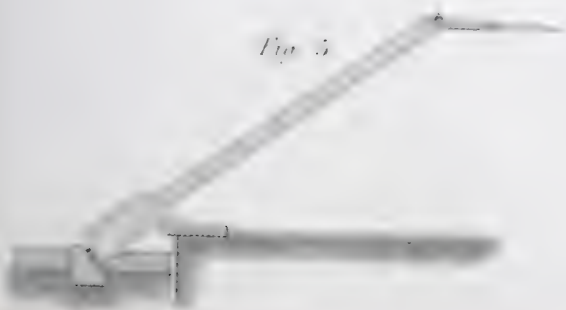
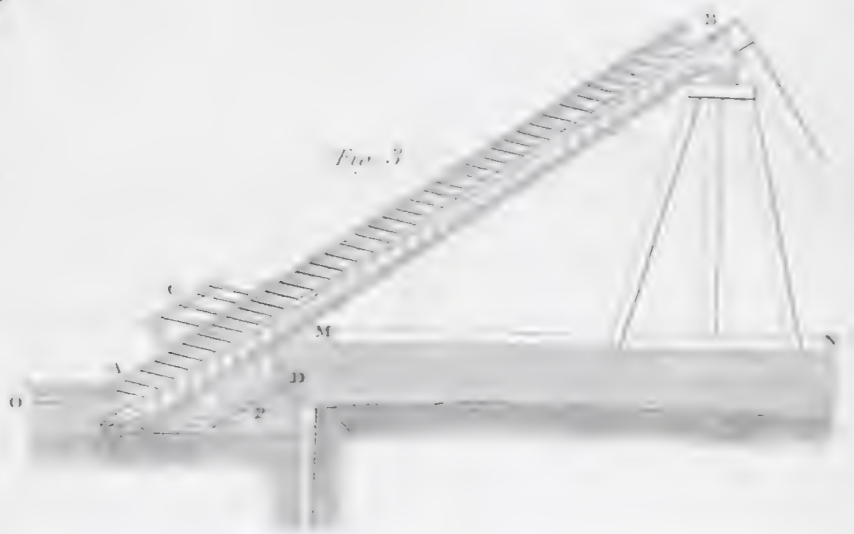
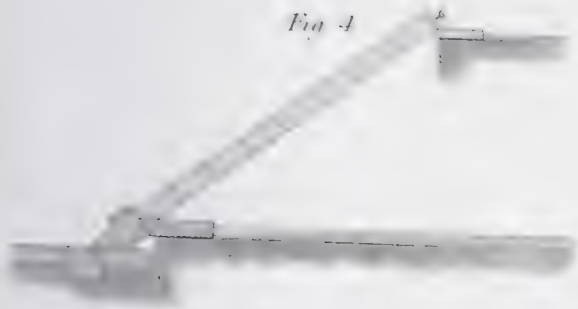
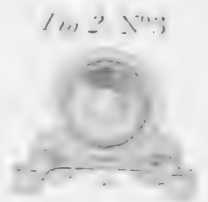
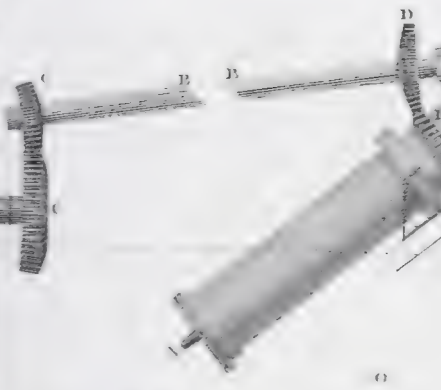
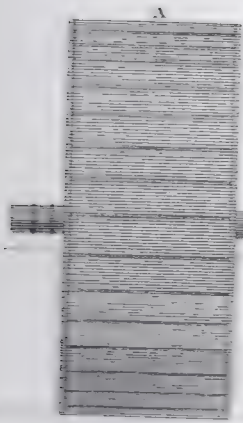
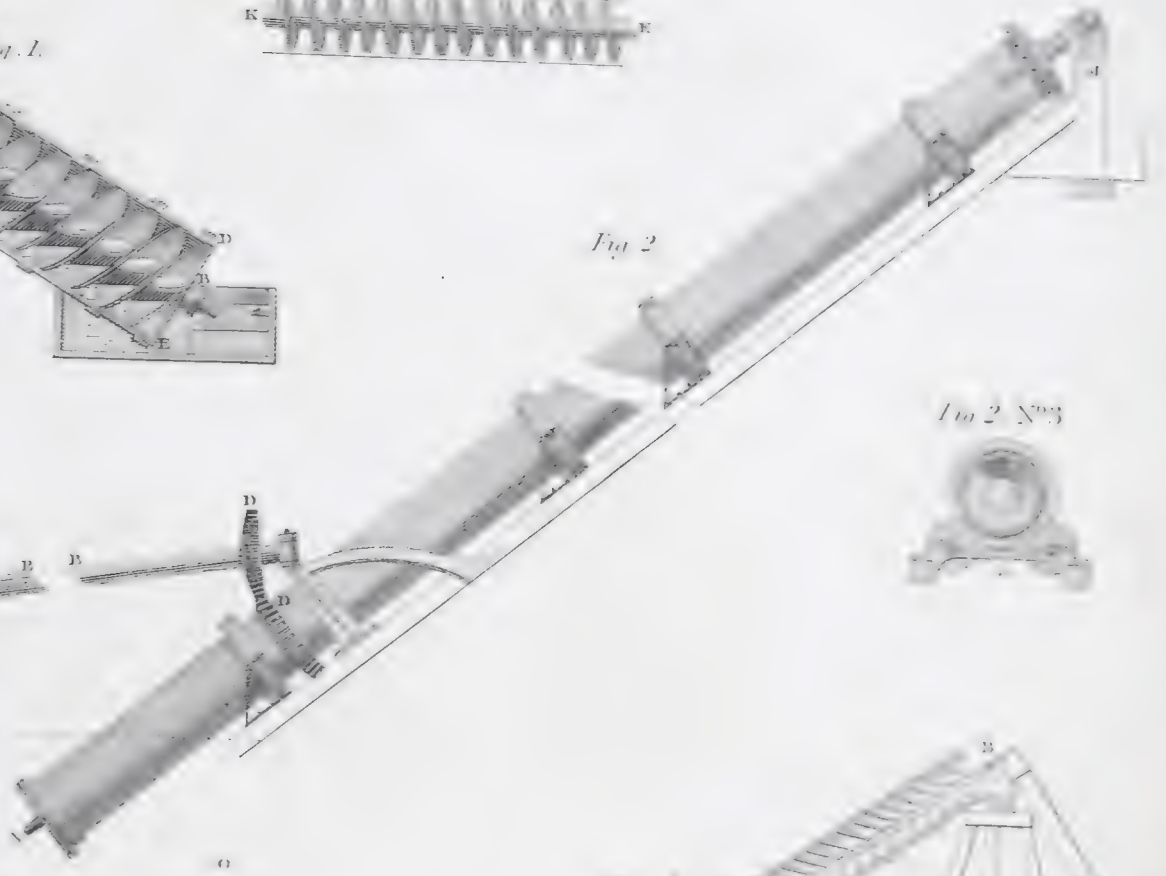
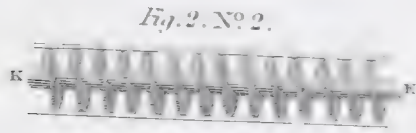
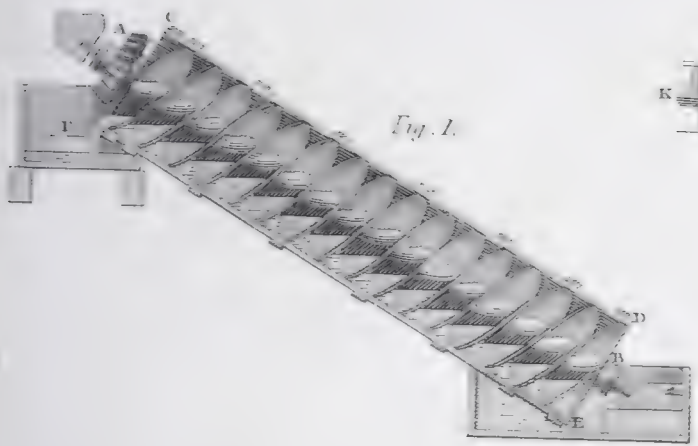
Fig. 3.



Fig. 4.







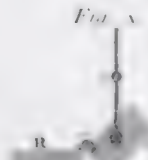
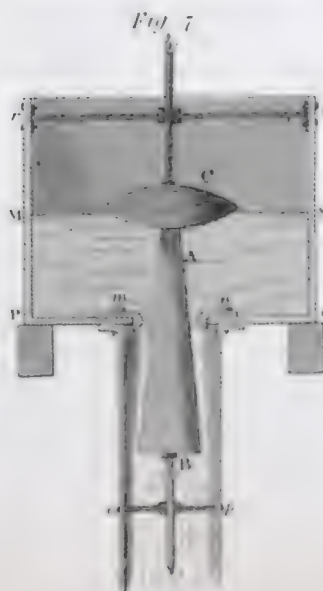
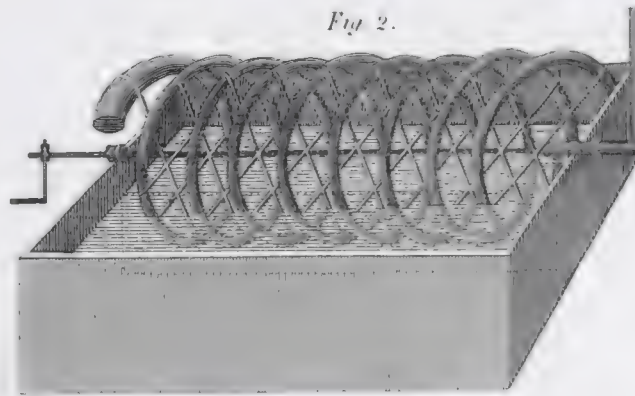
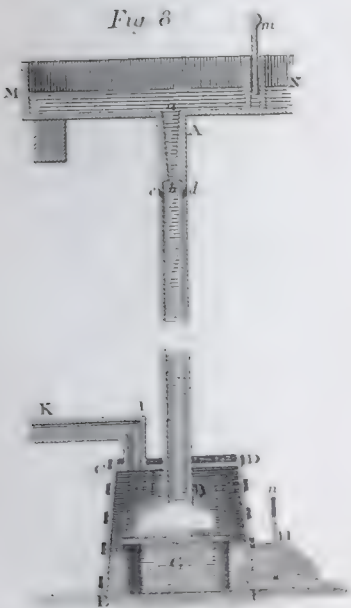
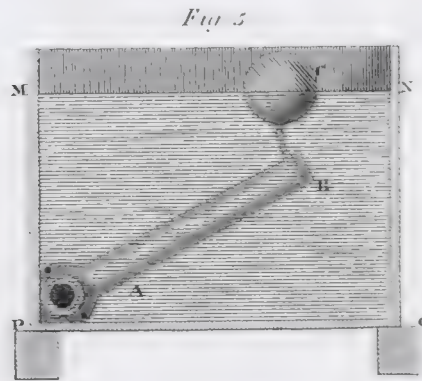
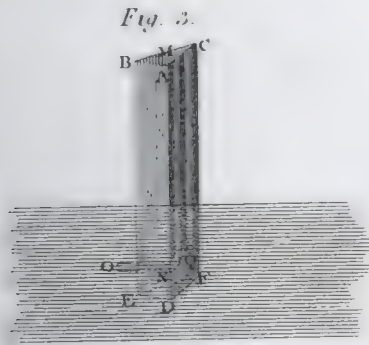
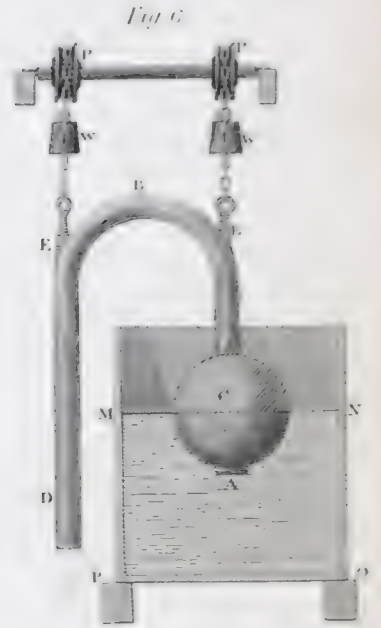
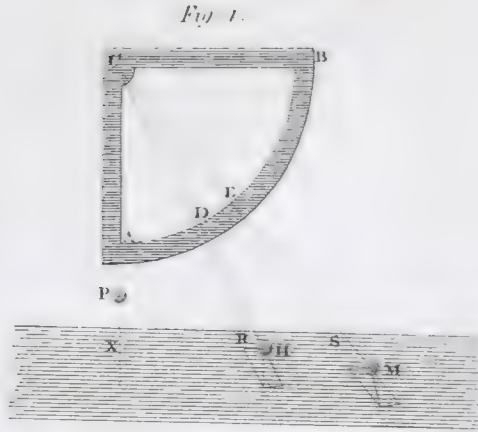
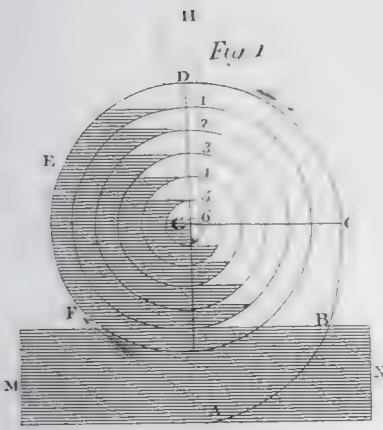


Fig. 1.

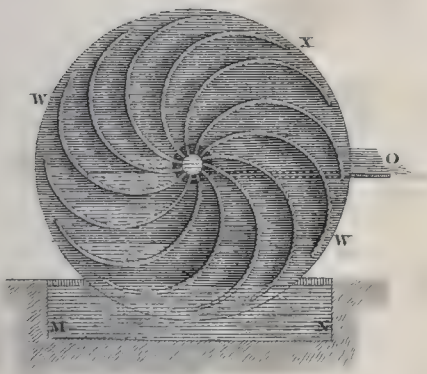


Fig. 2.

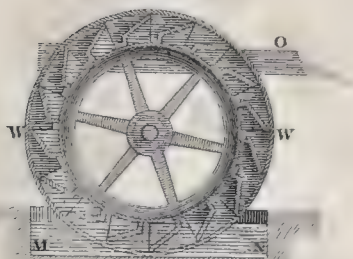


Fig. 4.

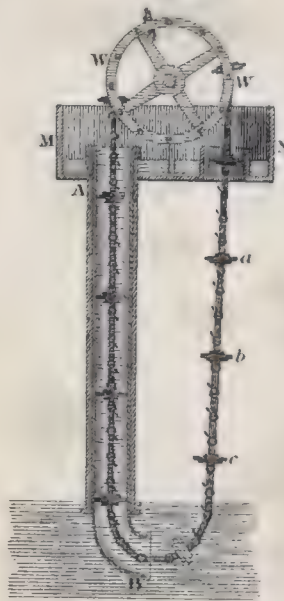


Fig. 3.

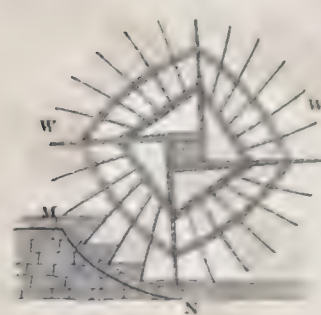


Fig. 7.

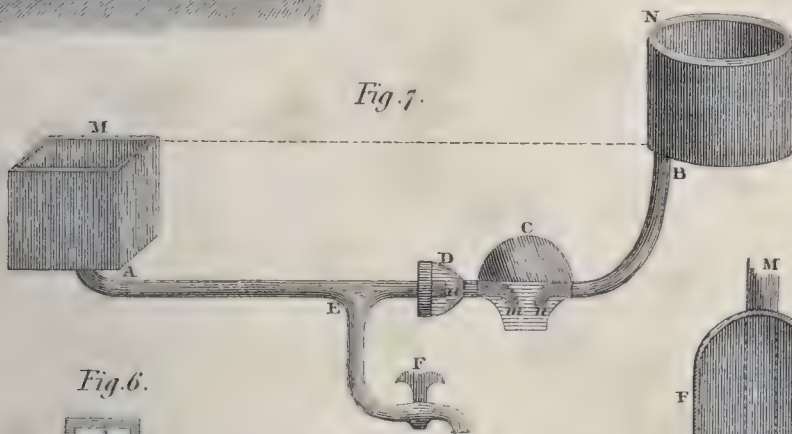


Fig. 6.



Fig. 10.

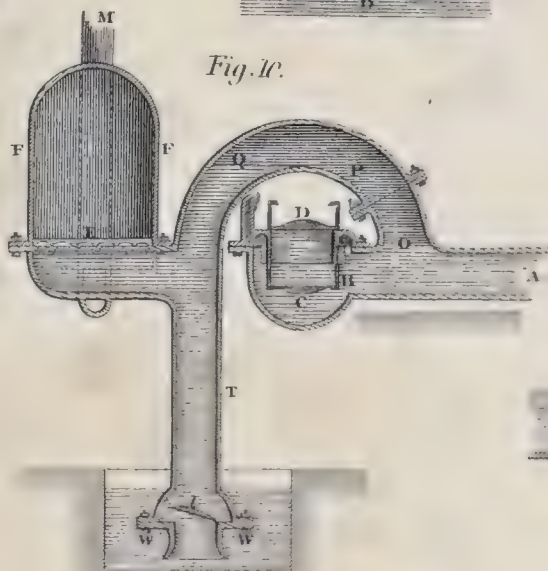


Fig. 5.



Fig. 11.

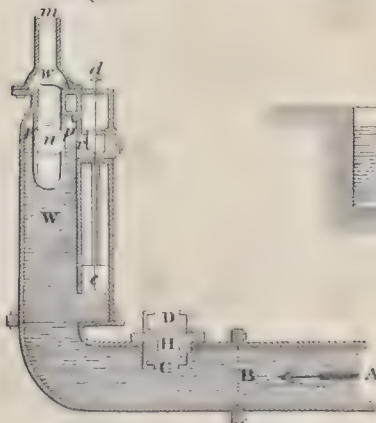


Fig. 12.



Fig. 8.

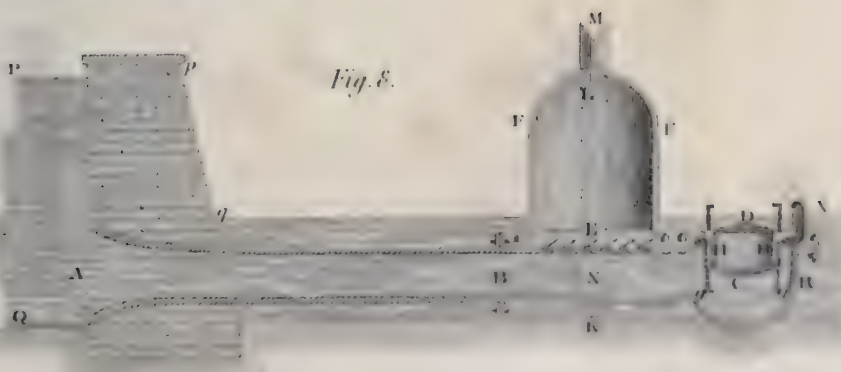


Fig. A.

Enlarged View of the Part MM in Fig. 8.

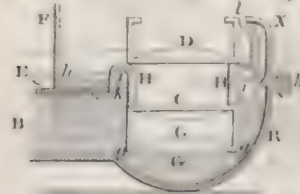


Fig. 9.





Fig. 1.

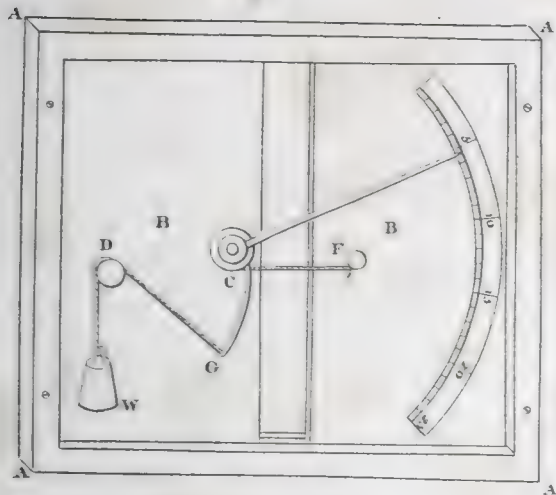


Fig. 2.

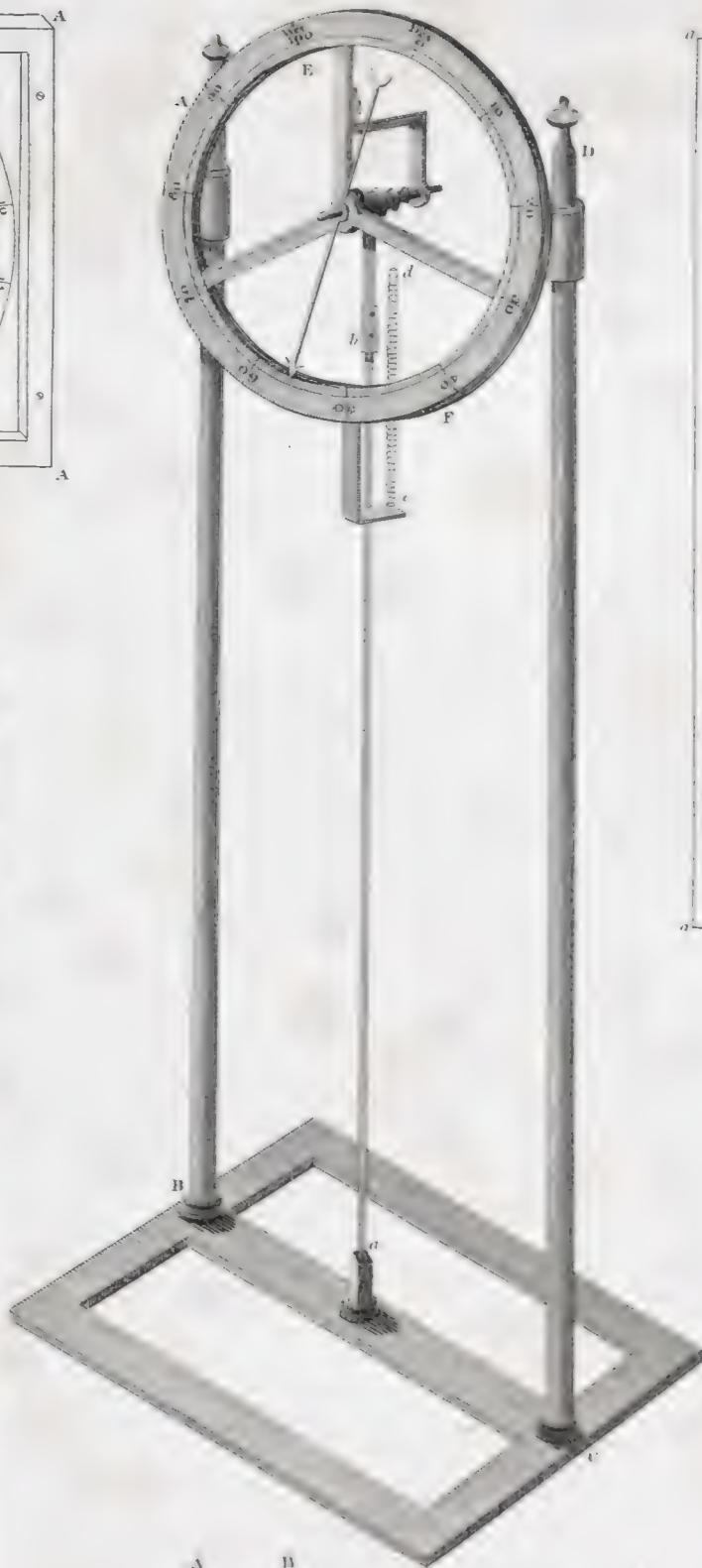


Fig. 3.

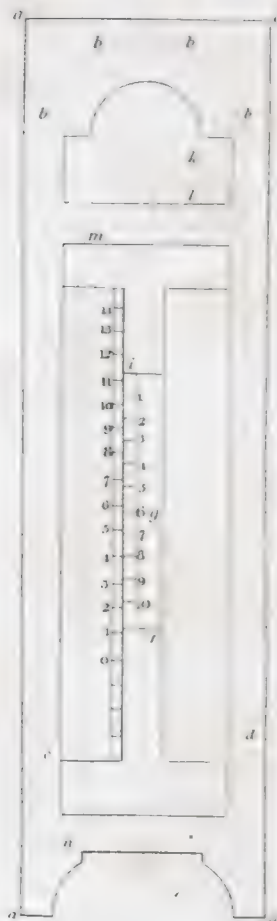


Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.

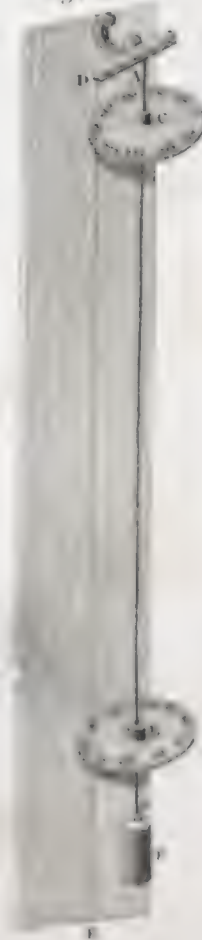


Fig. 8.

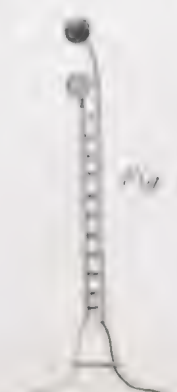


Fig. 9.



HYGROMETRY.

PLATE CCCXXVI.

Fig. 1.

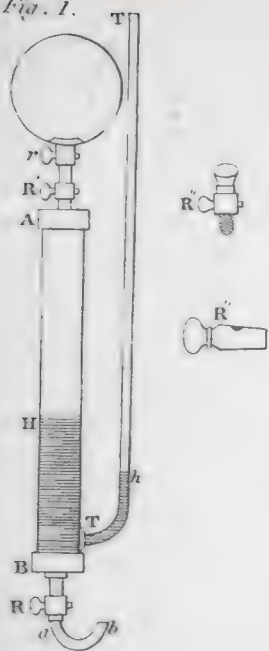


Fig. 2.

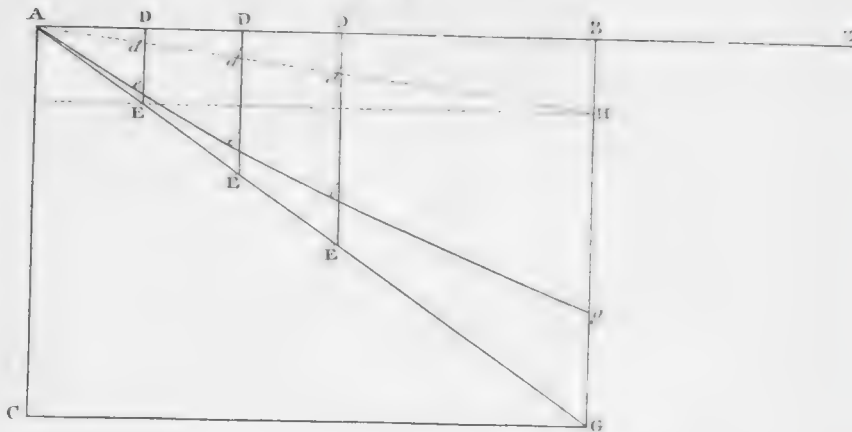


Fig. 1.

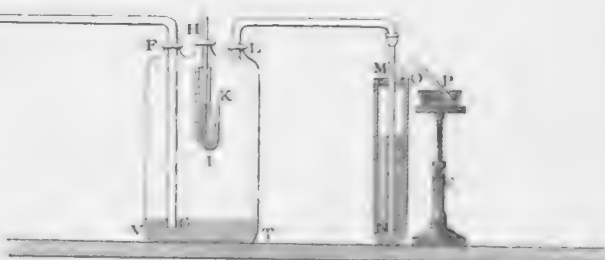
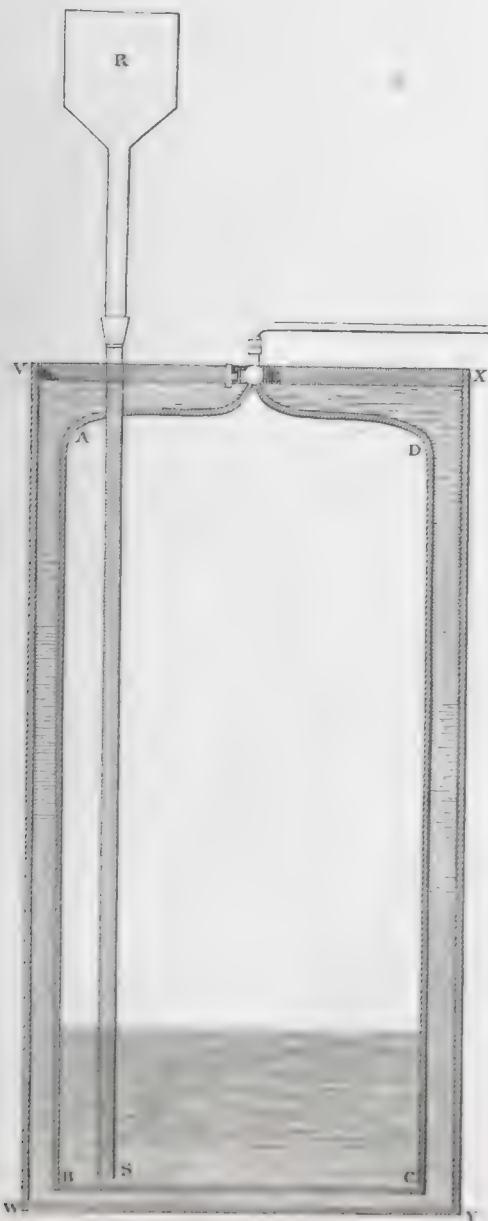
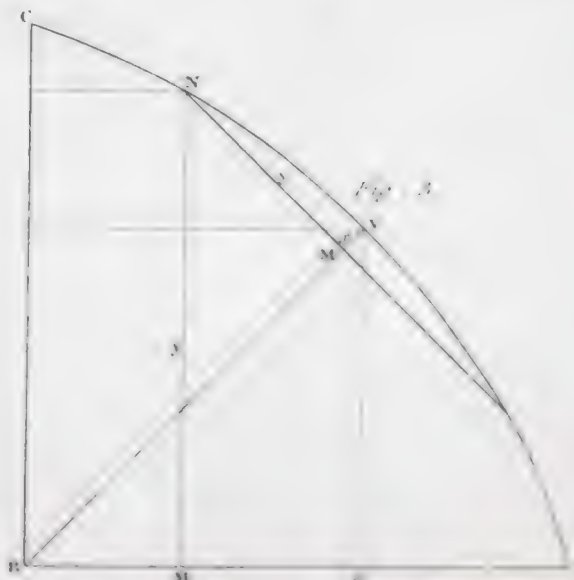


Fig. 3.



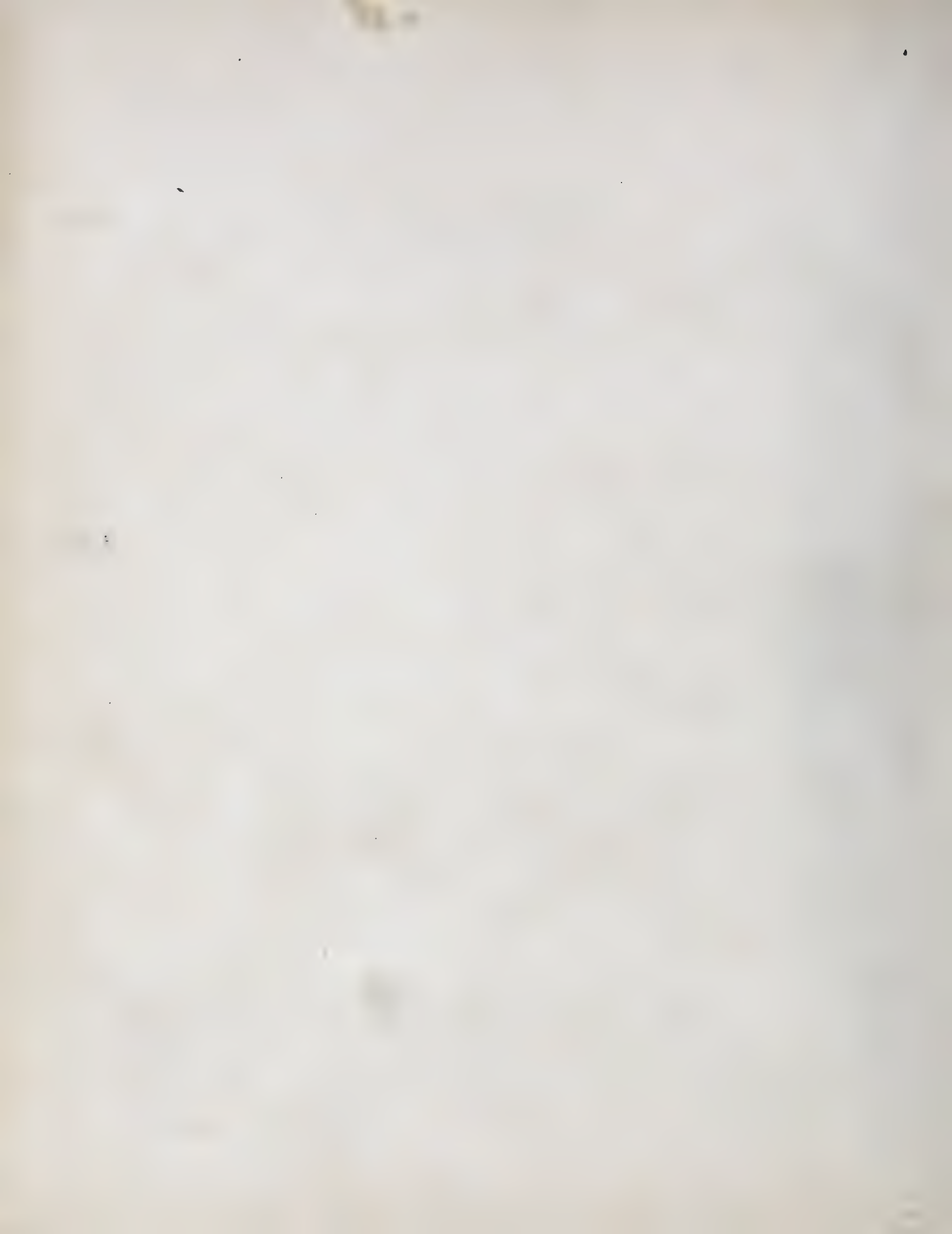


Fig. 1.



Fig. 2.



Fig. 3.



Fig. 6.

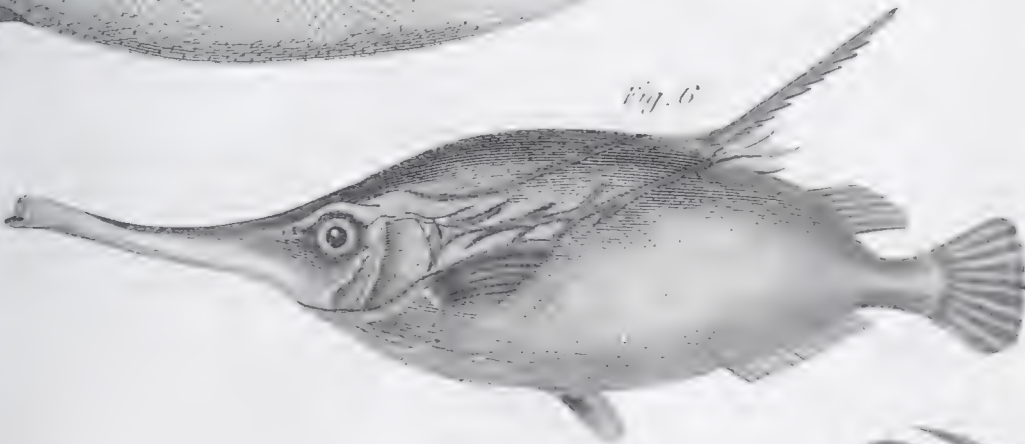


Fig. 2.



Fig. 4.



Fig. 1.

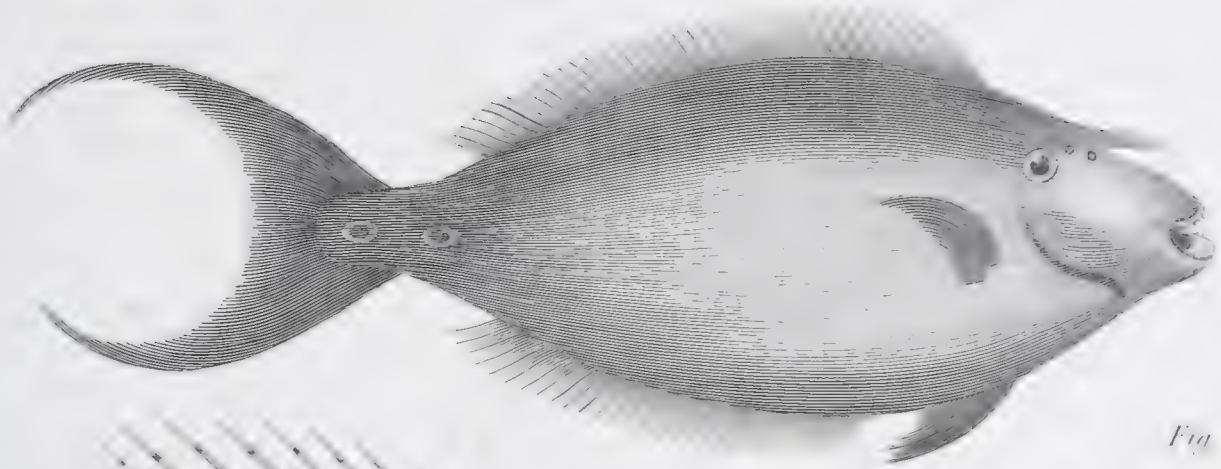


Fig. 6.

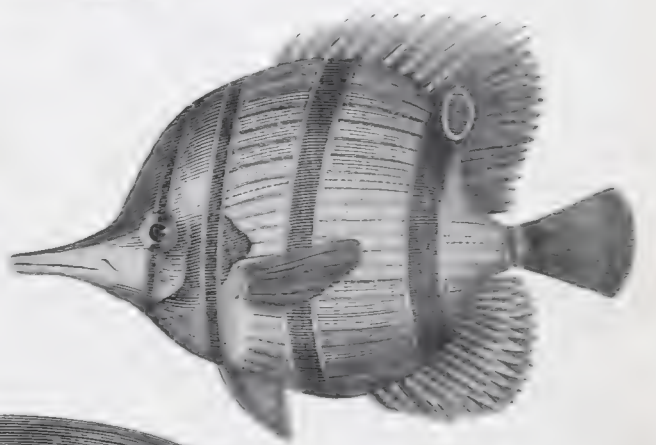


Fig. 2.

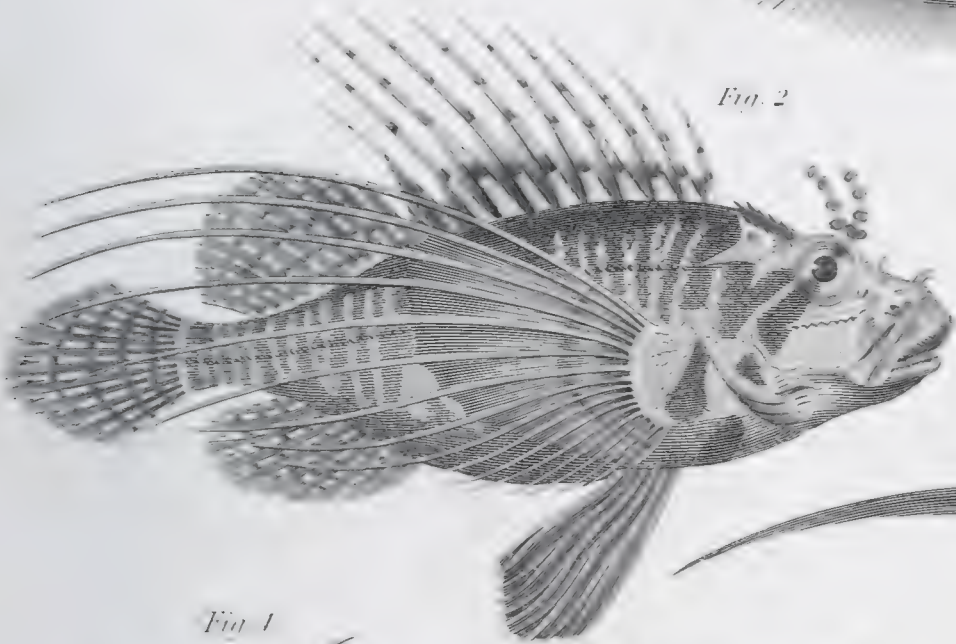


Fig. 5.

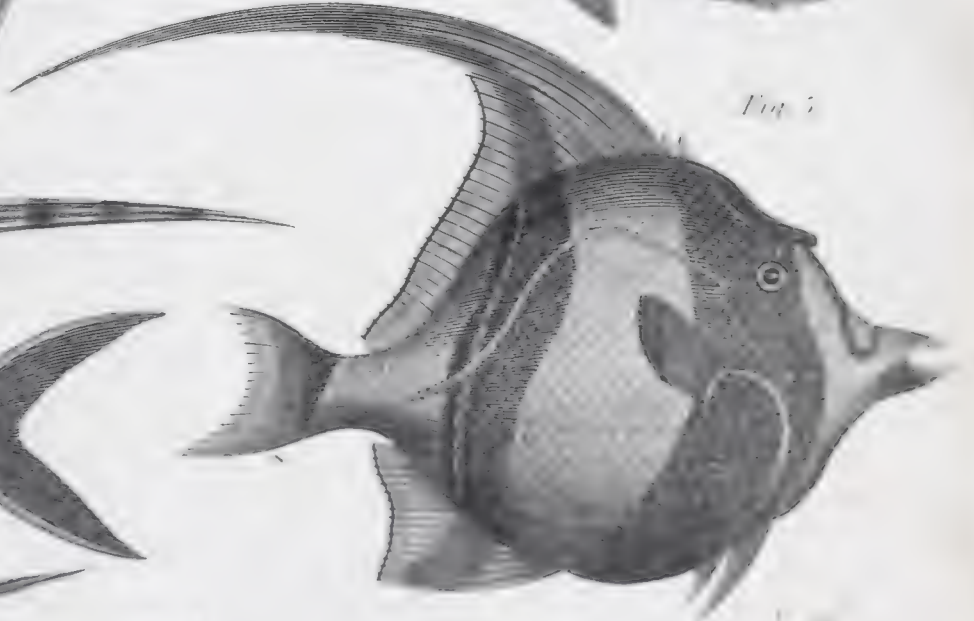


Fig. 4.

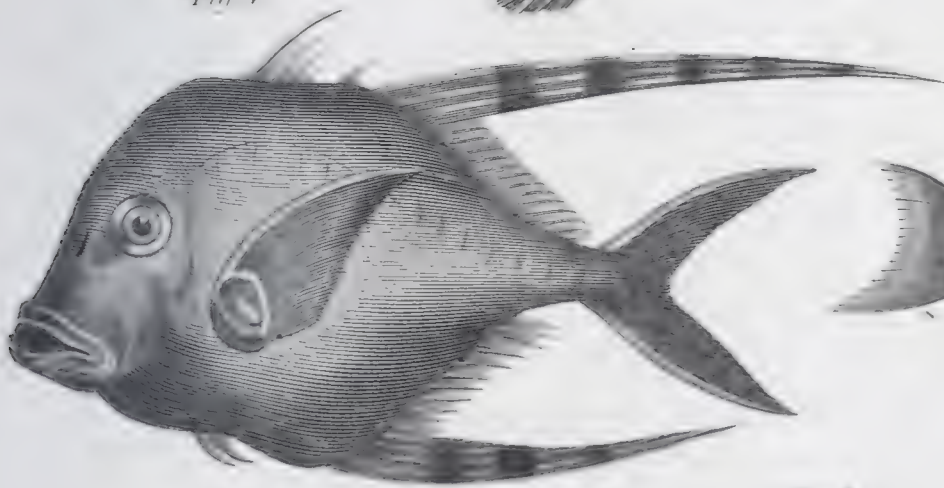


Fig. 3.



ICHTHYOLOGY.

PLATE CCCXXIX.

Fig. 4.

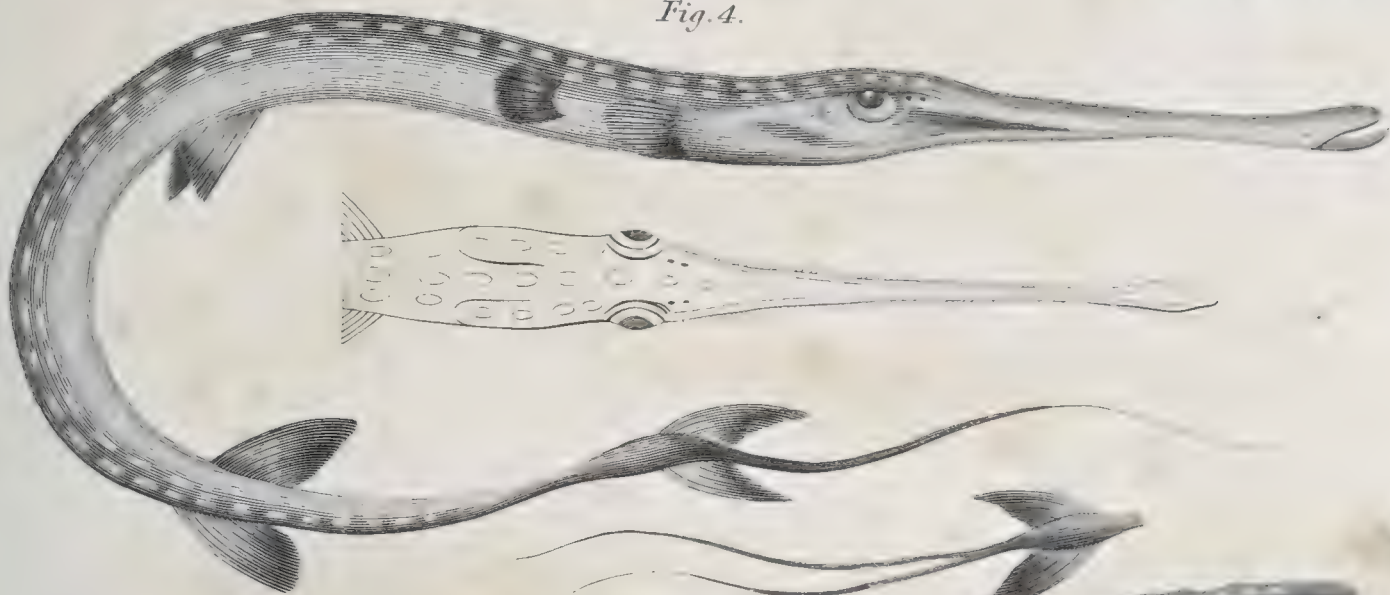


Fig. 2.



Fig. 5.

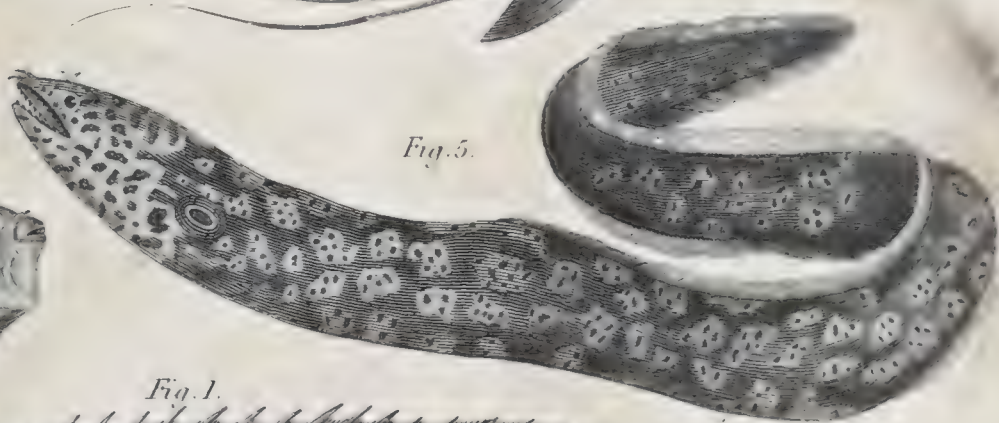


Fig. 1.

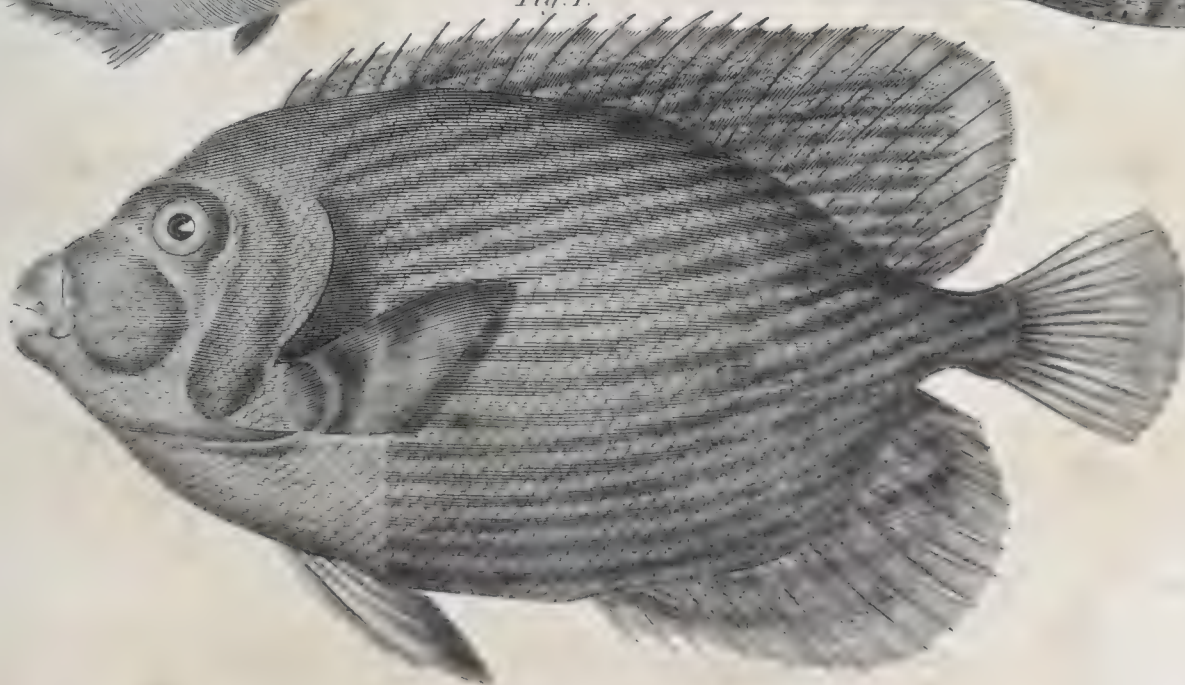


Fig. 3.

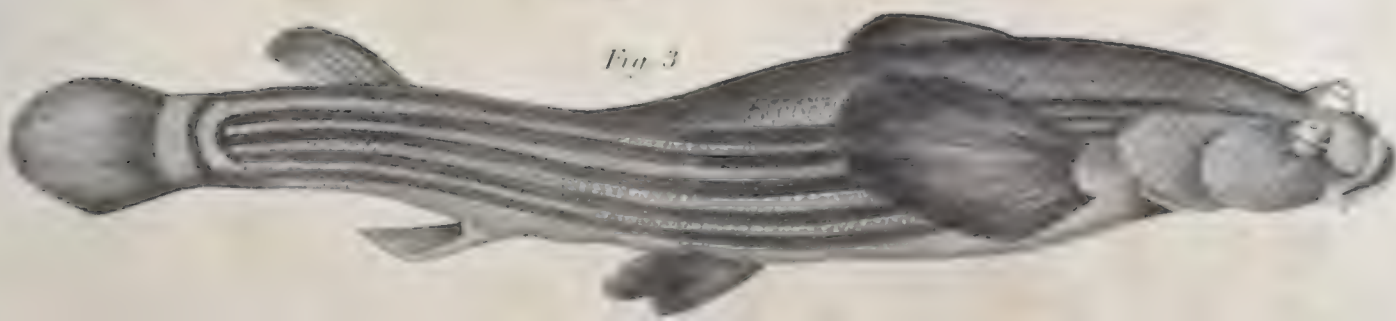


Fig 1.
SKELETON OF THE MEGATHERIUM.

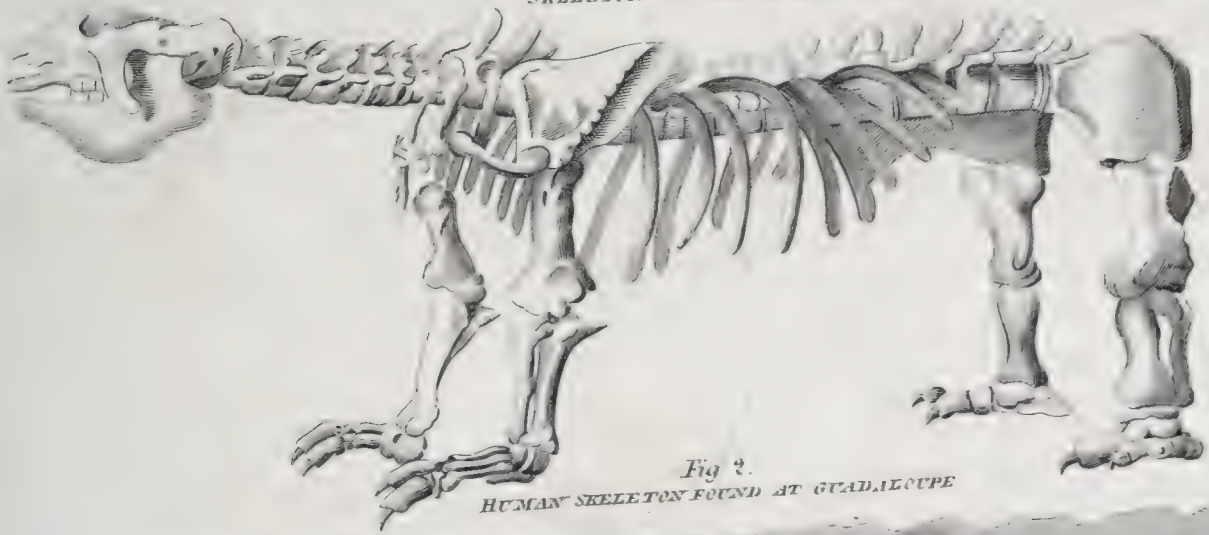


Fig 2.
HUMAN SKELETON FOUND AT ST. DAZOUPE

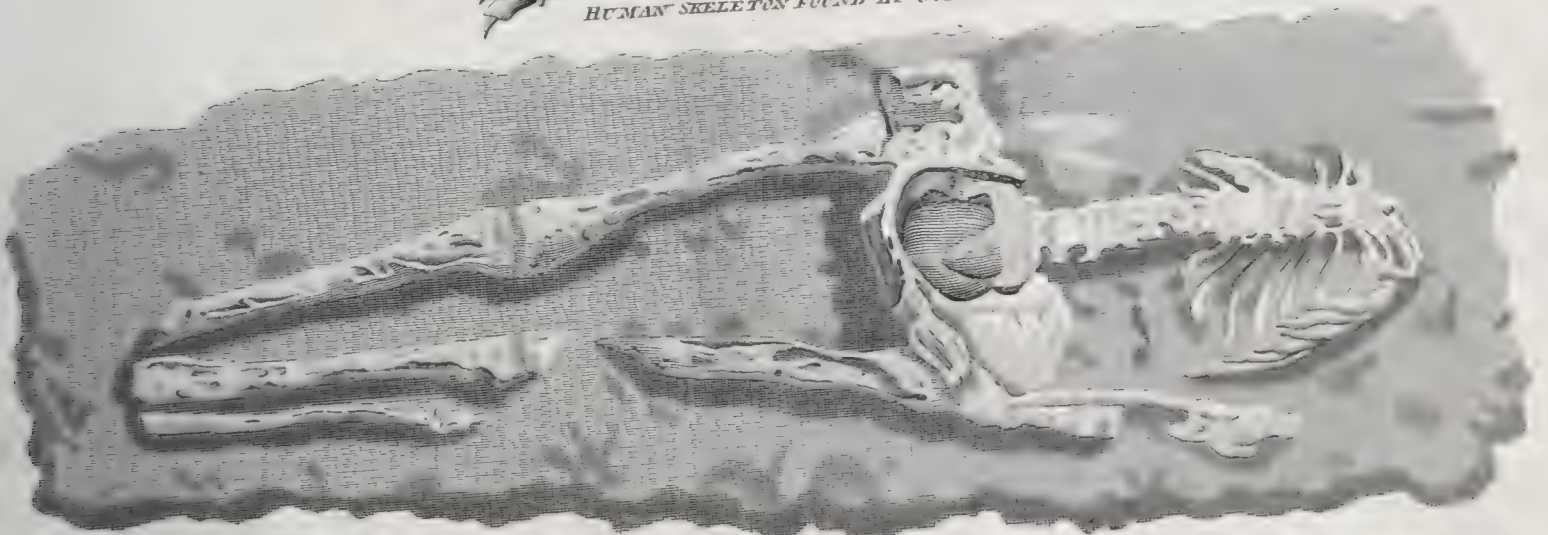
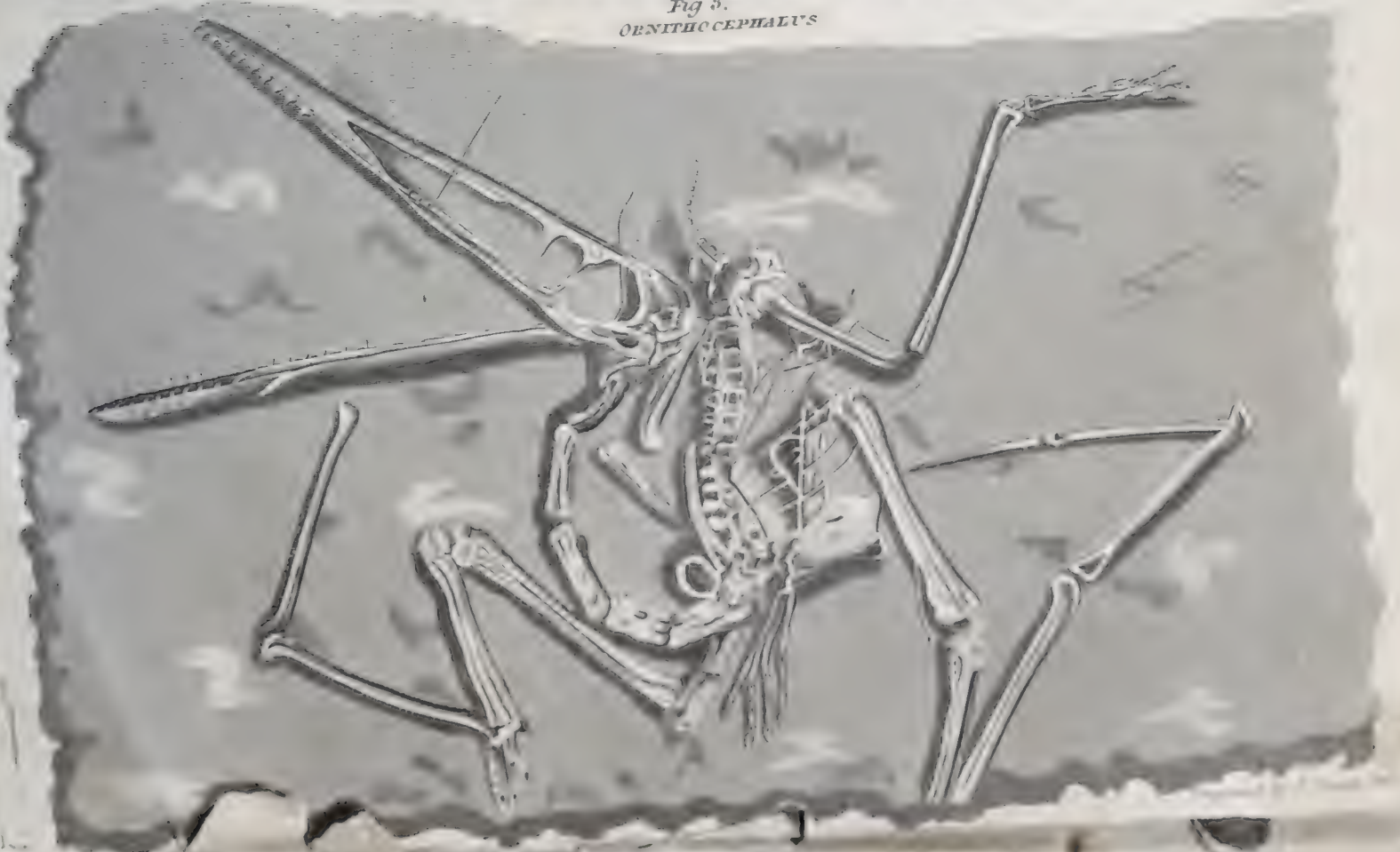


Fig 3.
ORNITHOCEPHALUS

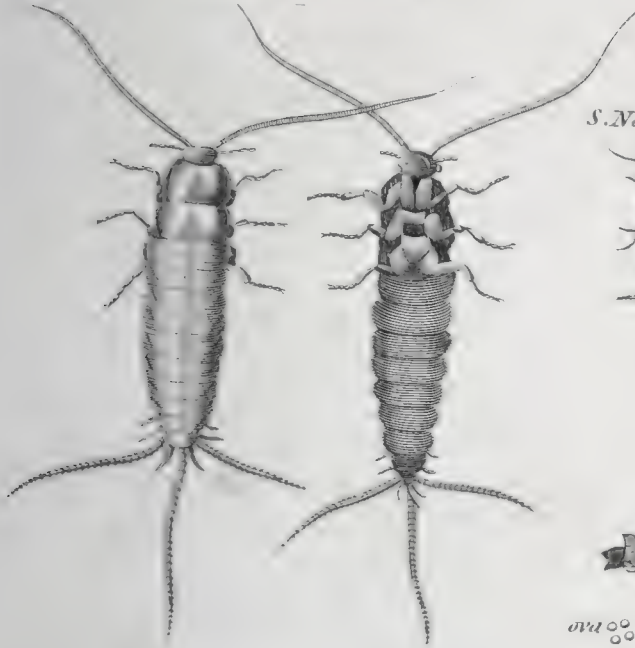




INSECTS.

PLATE CCCXXX.

Lepisma Saccharum Mag.^d



S. Nat. Size



ova

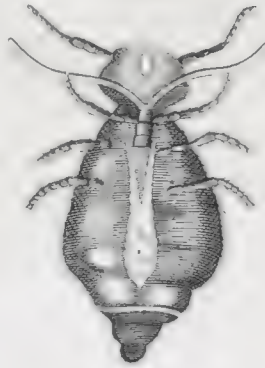


O. DERMAPTERA.

Forficula Auricularia
Magnifical



Podura



O. ANOPLURA.

Pediculus of the Goose Mag.^d

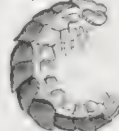


O. COLEOPTERA.
Common Glow Worm

larva



pupa



fem



fem



ovum

O. STREPSIPTERA.

Stylops Kurbii



O. ORTHOPTERA.

Gryllus Migratorius



O. DIPTERA

Blatta Orientalis



O. HEMIPTERA

Naucoris Cimicoides





INSECTS.

PLATE CCCXXXI & CCCXXXII.

O. OMOPTERA.
Fulgora candelaria.



O. APTERA
Pulex irritans Mag.^d

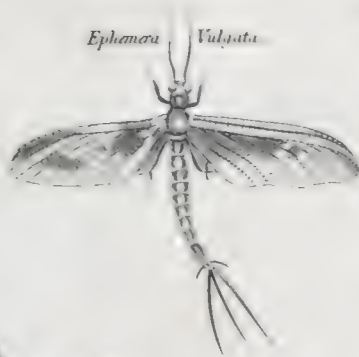


O. HYMENOPTERA.
Vespa Vulgaris



O. NEUROPTERA

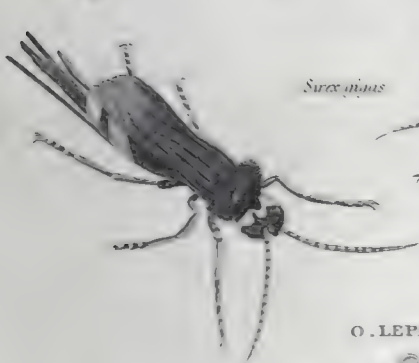
Ephemera Vulgata



Libellulavaria or Grandis.



Sarcophaga



O. LEPIDOPTERA

Sphinx scitula



Papilio Apollo



O. DIPTERA

Hippobosca opina Na^d Siz



Hippobosca opina Mag.^d





JOINERY.

PLATE CCCXXXIII.



Fig. 2.

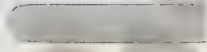


Fig. 3.



Fig. 4.



Fig. 5.

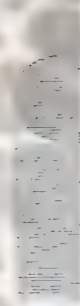


Fig. 6.

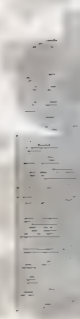


Fig. 7.



Fig. 8.



Fig. 9.

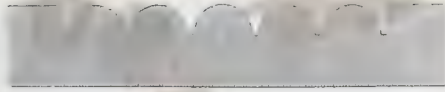


Fig. 10.

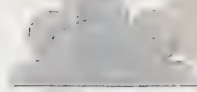


Fig. 11.



Fig. 12.

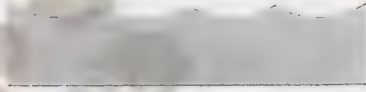


Fig. 13.

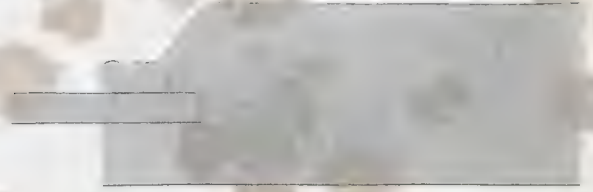


Fig. 15.

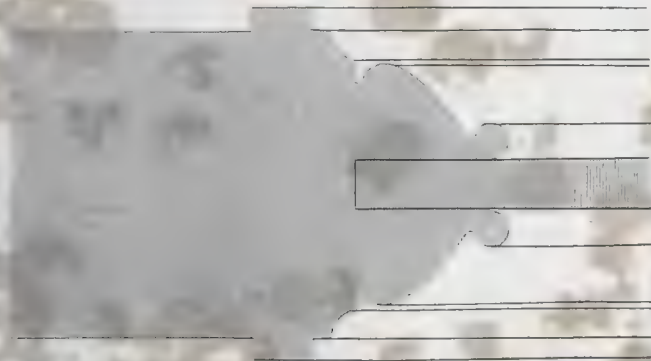


Fig. 11.



Fig. 16.



Fig. 17.

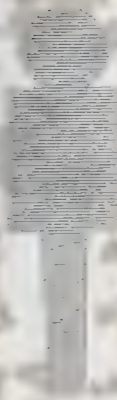


Fig. 18.

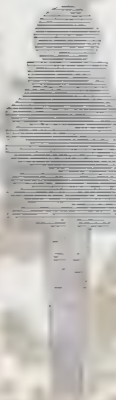


Fig. 19.

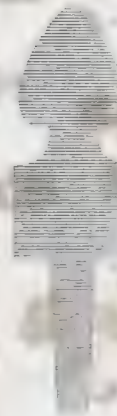


Fig. 21.

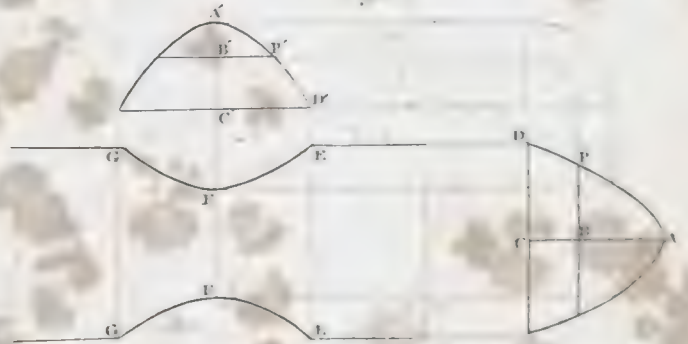


Fig. 20.

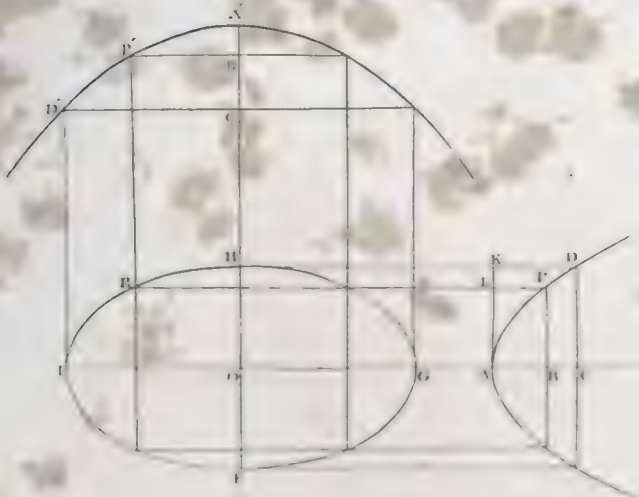


Fig. 22.





JOINERY.

PLATE CCCXXIV

Fig. 1. N^o I.

Fig. 1. N^o III.

Fig. 2. N^o I.

Fig. 2. N^o III.

Fig. 3. N^o I.

Fig. 3. N^o III.

Fig. 4. N^o I.

Fig. 4. N^o III.

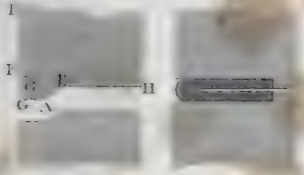


Fig. 1. N^o II.

Fig. 2. N^o II.

Fig. 3. N^o II.

Fig. 4. N^o II.

Fig. 5. N^o I.

Fig. 5. N^o III.

Fig. 6.

Fig. 7.

Fig. 8.

Fig. 9.

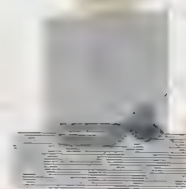


Fig. 10.

Fig. 11.

Fig. 12.

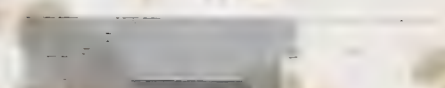
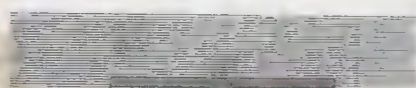
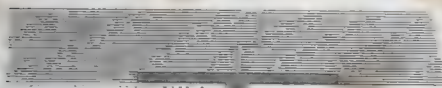


Fig. 13.

Fig. 14.

Fig. 15.

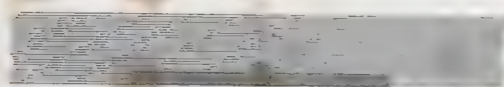
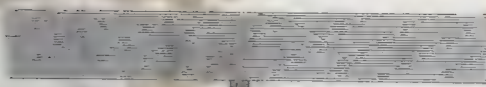


Fig. 16.

Fig. 17.

Fig. 18.

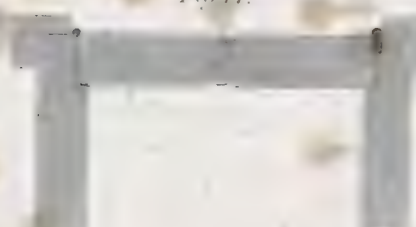
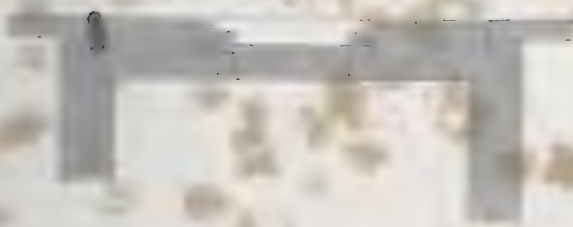


Fig. 19.

Fig. 20.



JOINERY.

PLATE CCCXXIV.

Fig. 1.

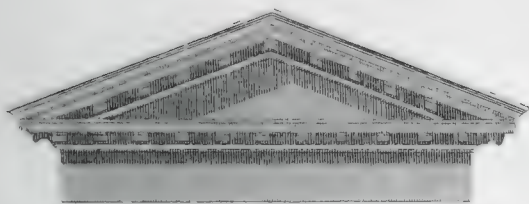


Fig. 2.



Fig. 3.

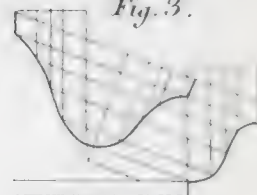


Fig. 4.

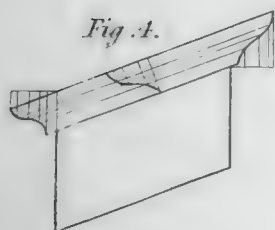


Fig. 5.

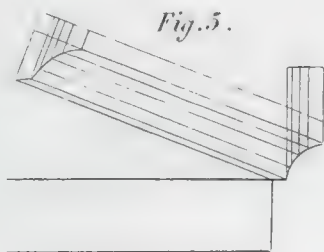


Fig. 6.

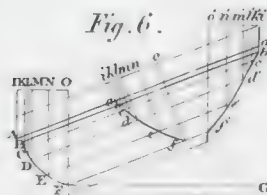


Fig. 7.

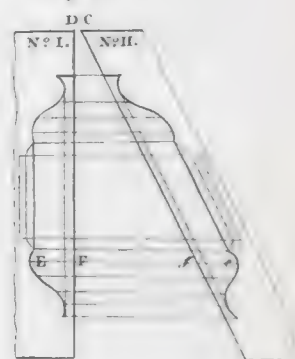


Fig. 8.

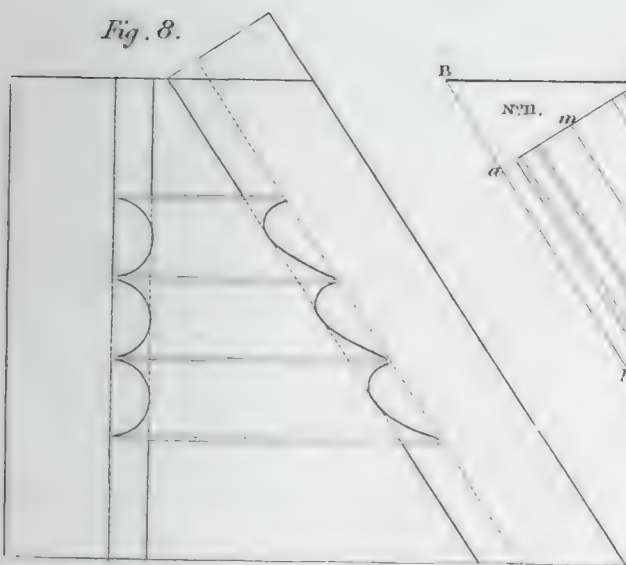


Fig. 9.

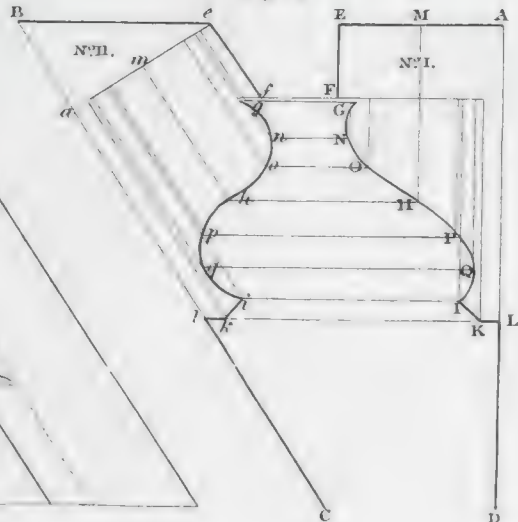


Fig. 10.

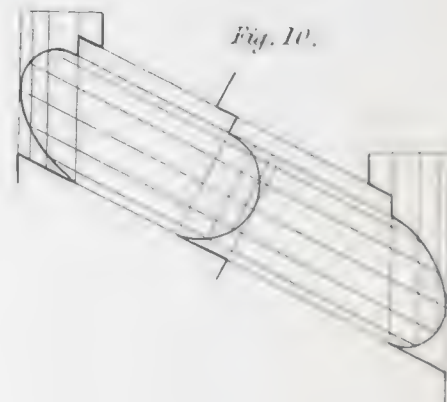


Fig. 11.

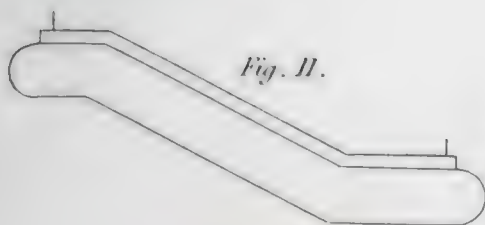


Fig. 12.

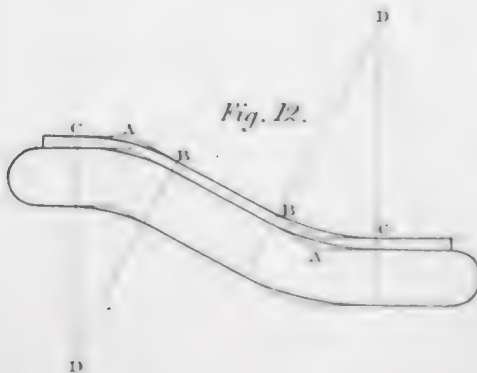


Fig. 13.



JOINERY.

PLATE CCCXXXVI.

Fig. 1. N° 1. Fig. 1. N° 2. Fig. 2. Fig. 3.

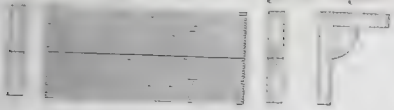


Fig. 4. N° 2.

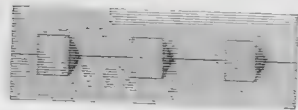


Fig. 1. N° 1. Fig. 5. N° 1.

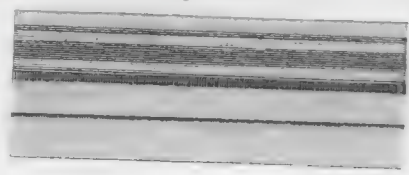


Fig. 5. N° 2.

Fig. 5. N° 3. Fig. 5. N° 4.

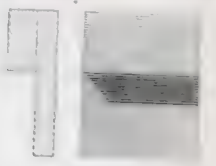


Fig. 5. N° 6.

Fig. 5. N° 7.

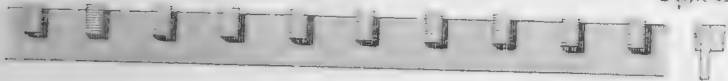


Fig. 7. N° 1.

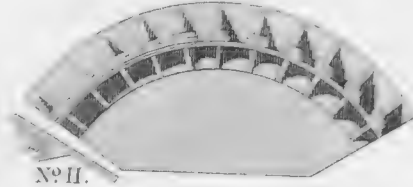


Fig. 6. N° 1.



N° 2.

Fig. 8. N° 1.

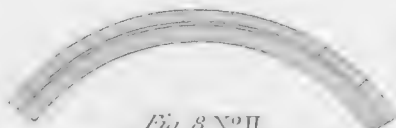


Fig. 6. N° 2.

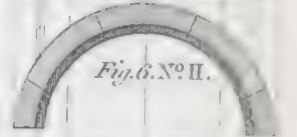


Fig. 8. N° 2.

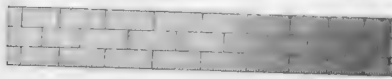


Fig. 6. N° 3.



Fig. 10. N° 1.

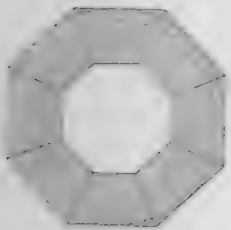


Fig. 11. N° 2.

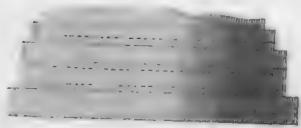


Fig. 10. N° 2.

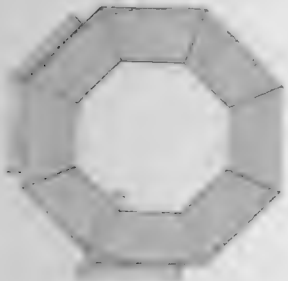


Fig. 11. N° 1.



Fig. 12. N° 2.

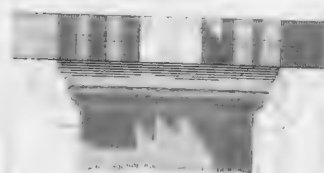


Fig. 13. N° 2.



Fig. 12. N° 1.



Fig. 13. N° 1.



Fig. 15.

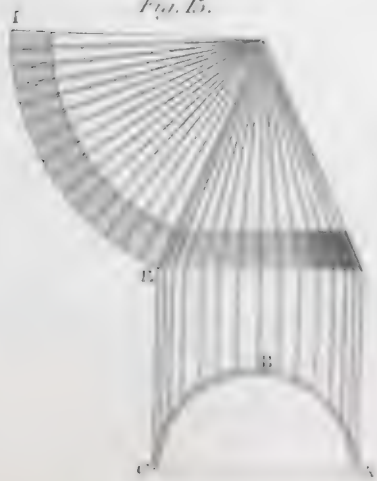


Fig. 16.

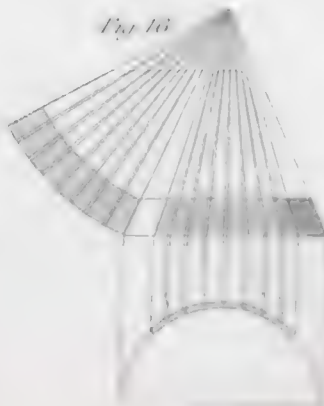


Fig. 17. N° 1.

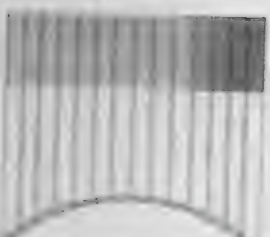


Fig. 17. N° 4.

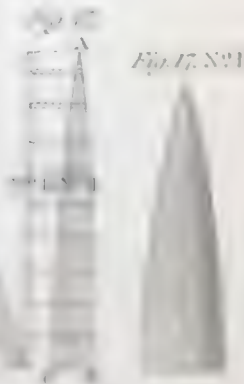
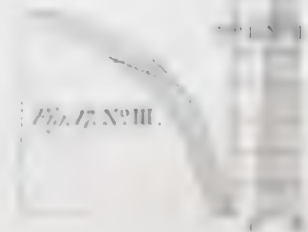
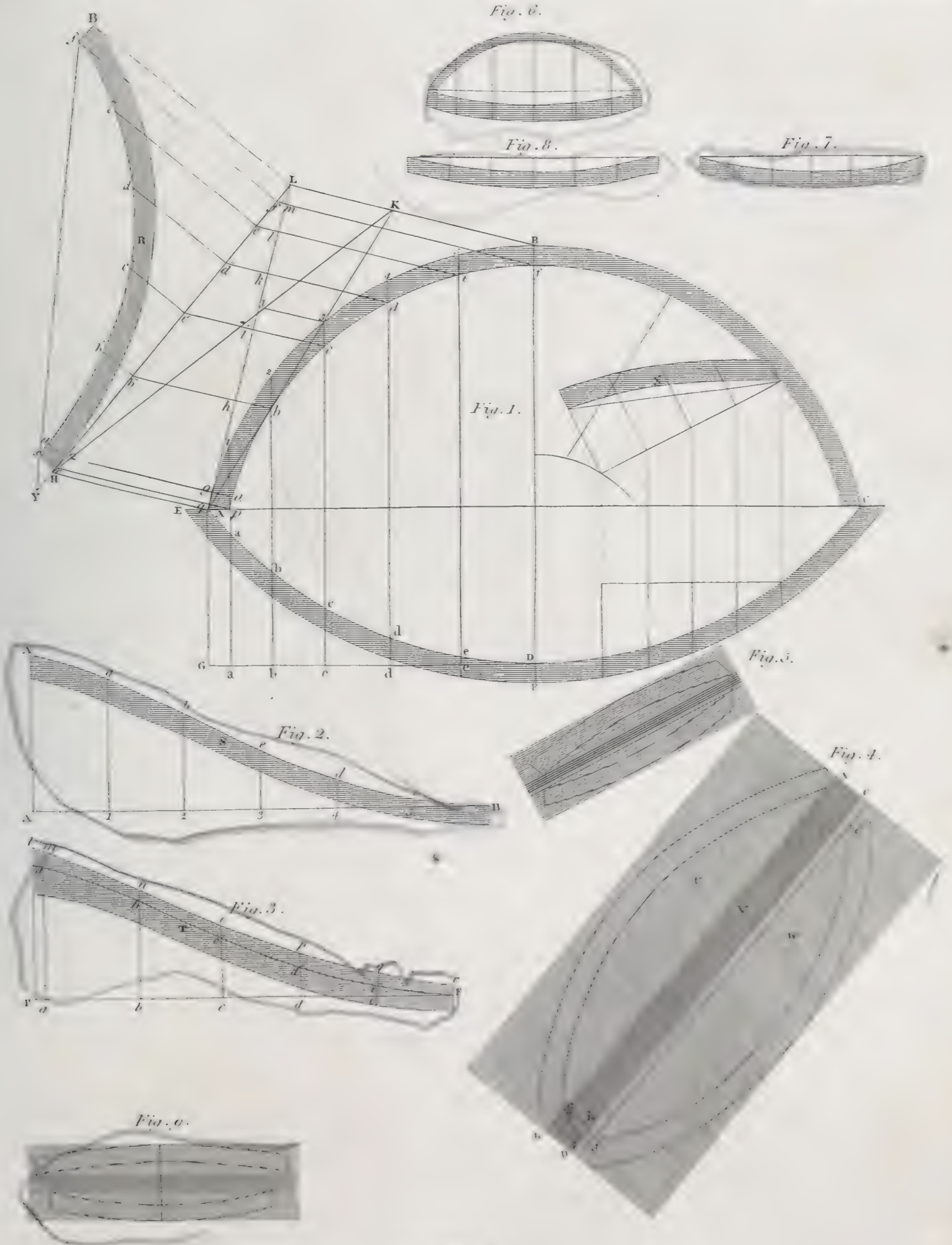


Fig. 17. N° 2.

Fig. 17. N° 3.







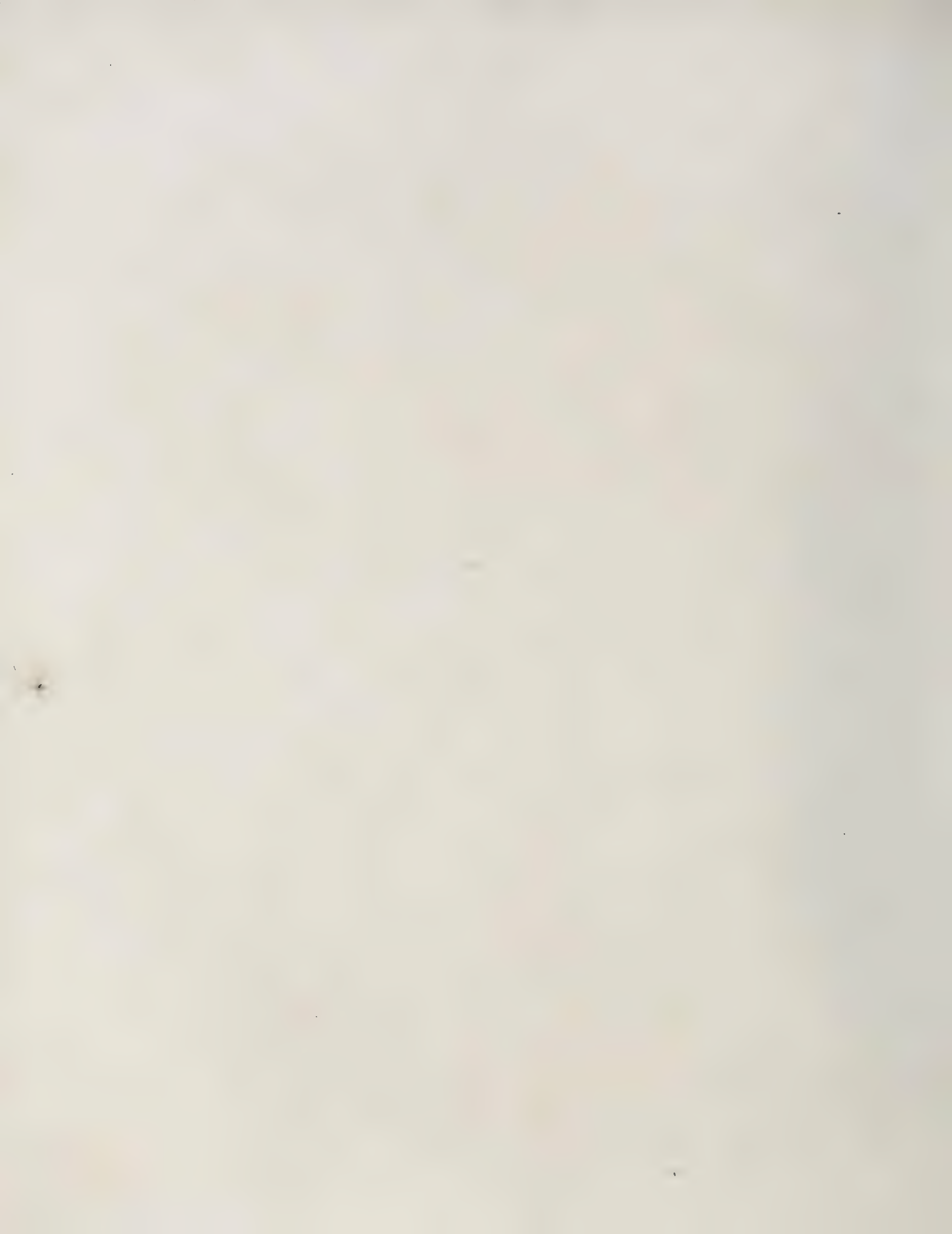


Fig 1



Fig 2.

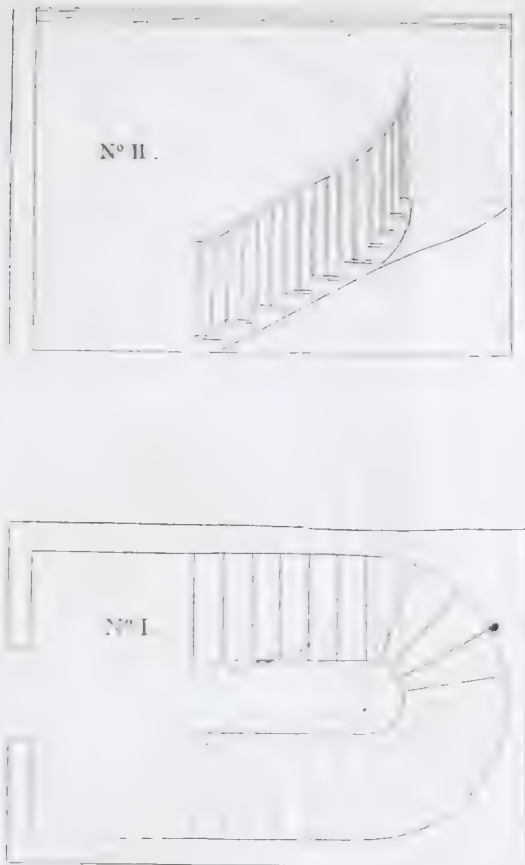


Fig 3

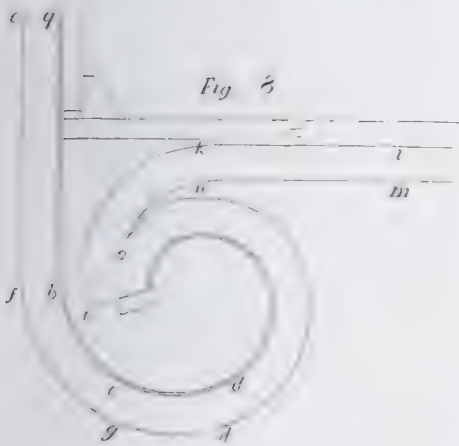


Fig 6

Fig 5



Fig 4

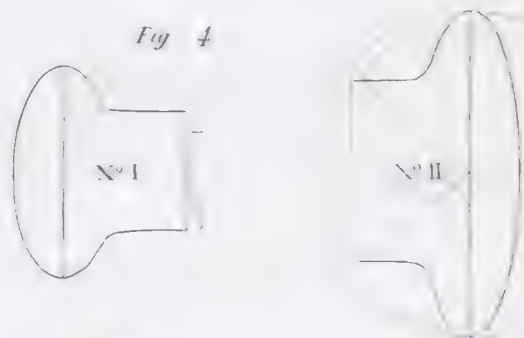


Fig 7



Fig 9



Fig 8





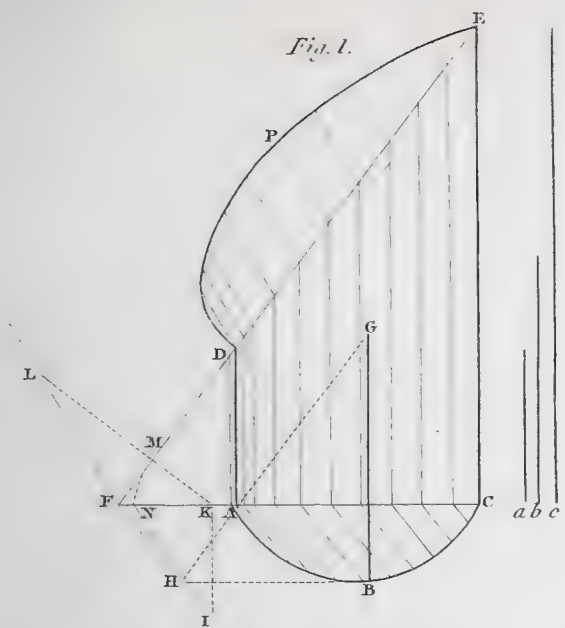


Fig. 2.

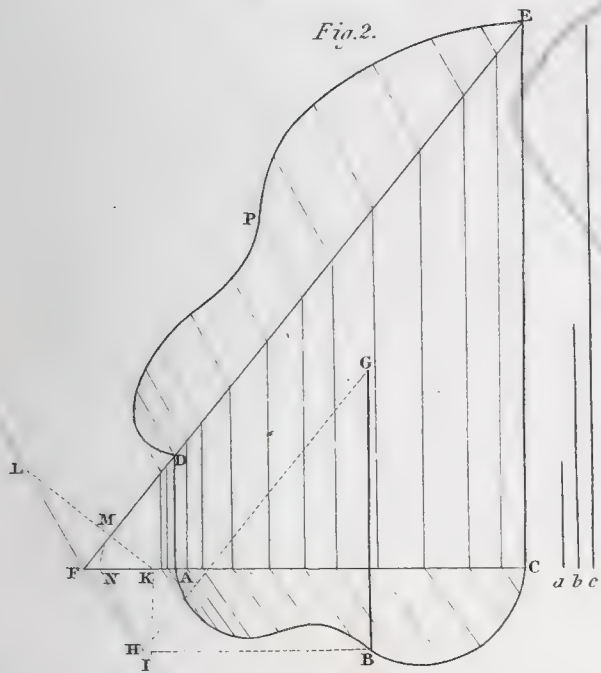


Fig. I. N.º IV.

Fig. I. N.º III.

Fig. I. N.º II.

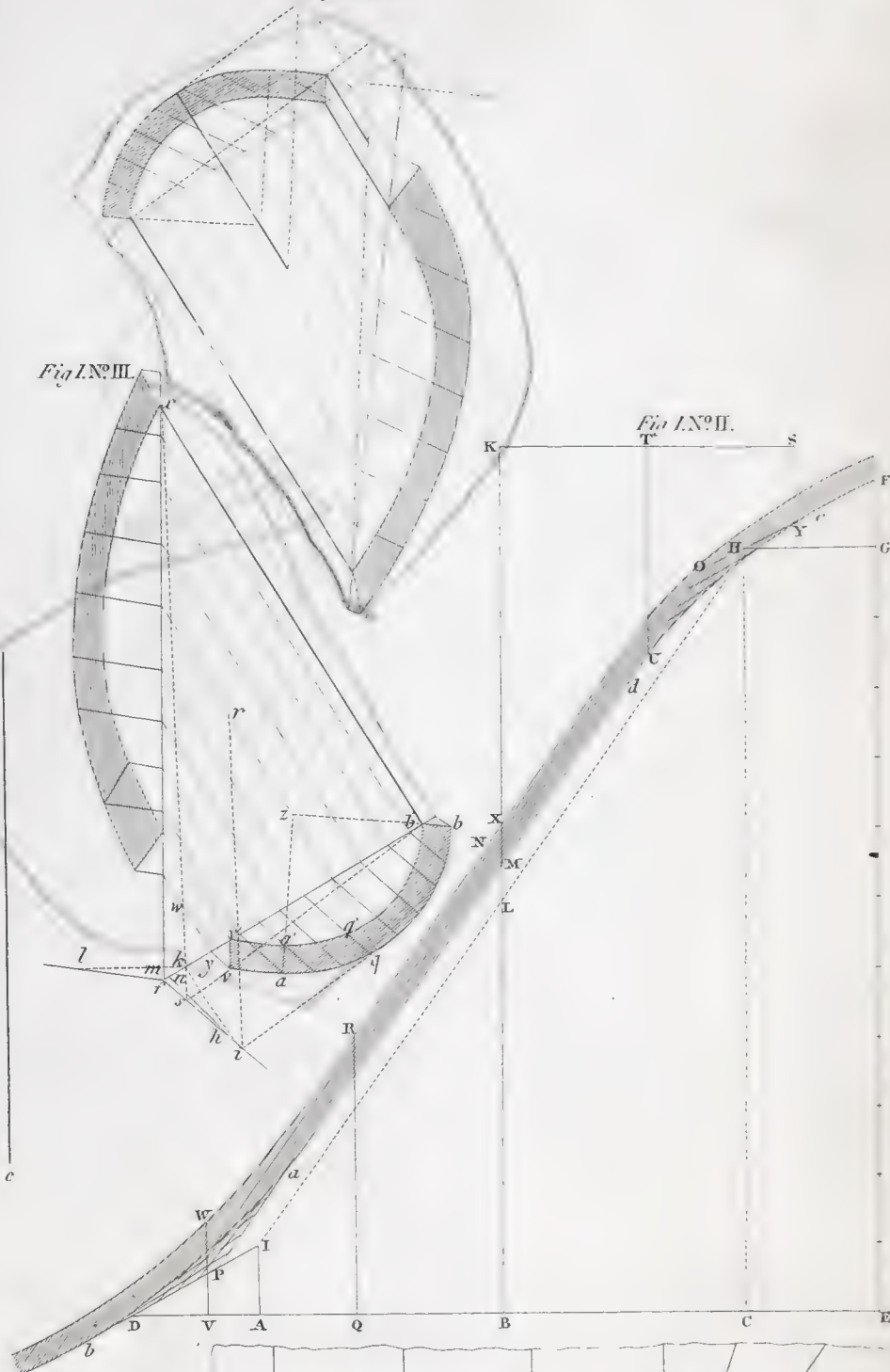


Fig. I. N.º V.

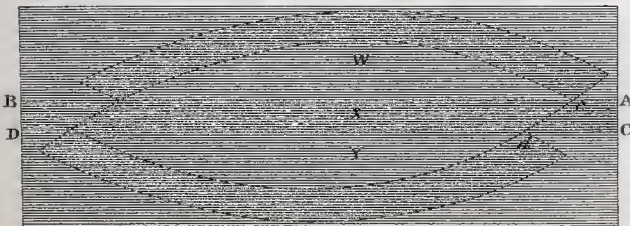
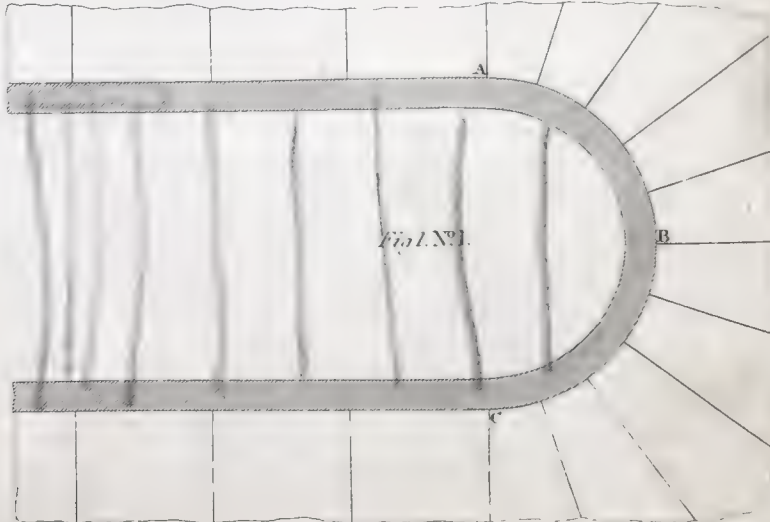


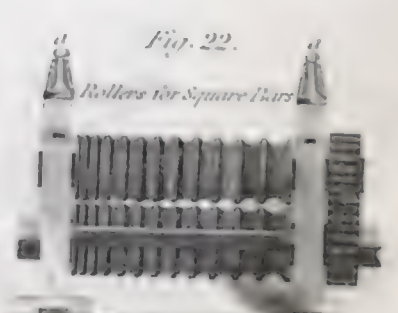
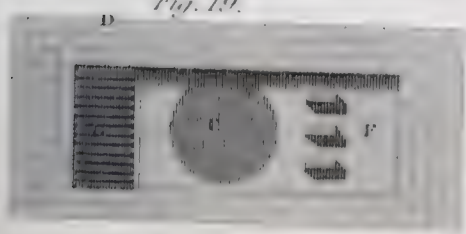
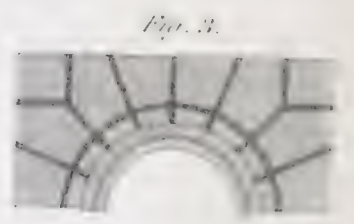
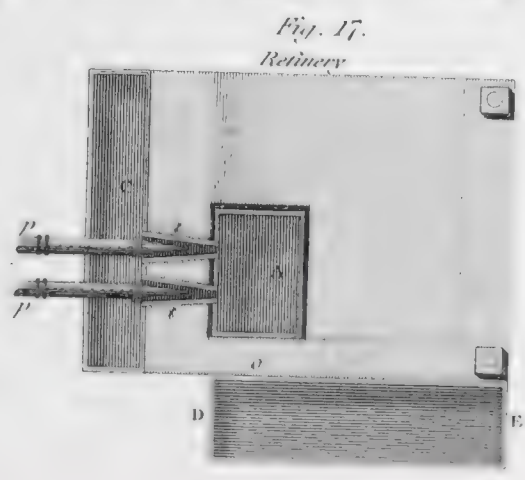
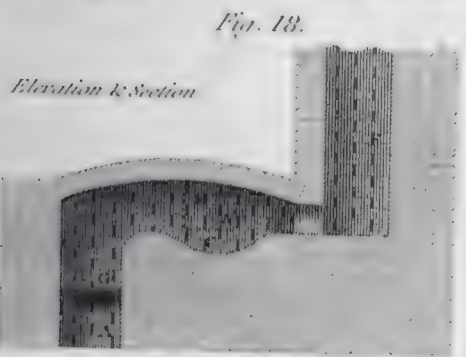
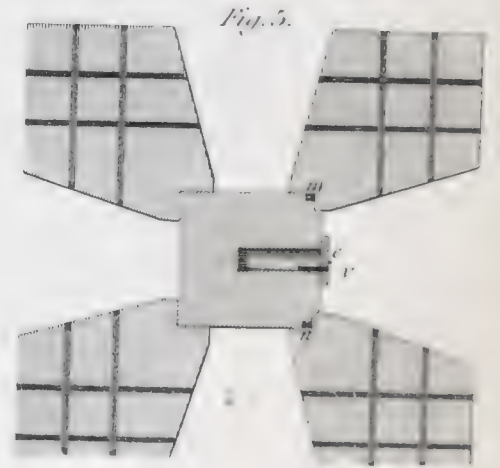
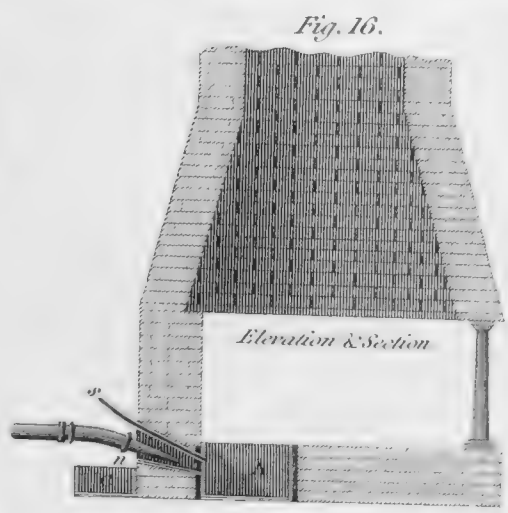
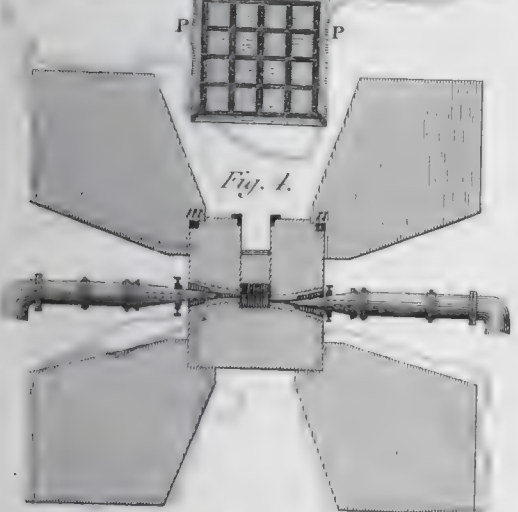
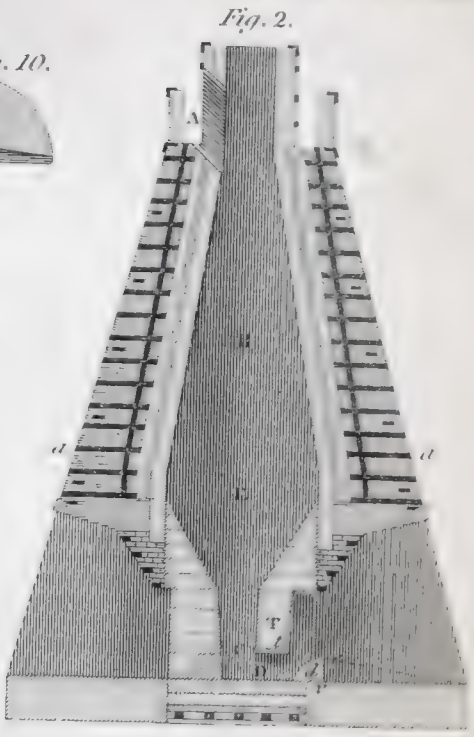
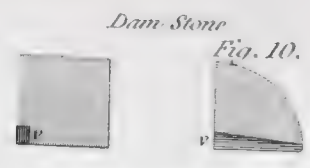
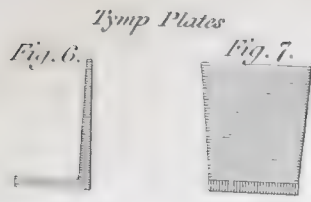
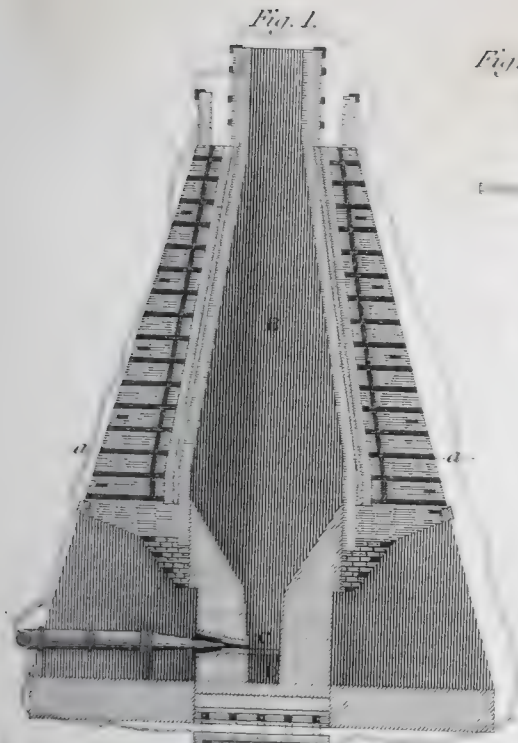
Fig. I. N.º I.





IRON.

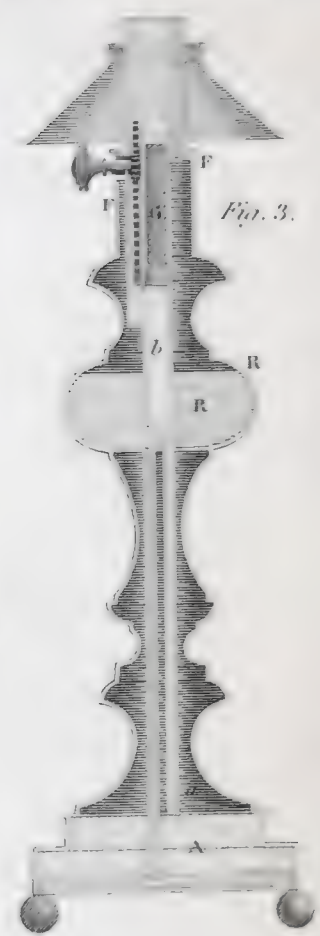
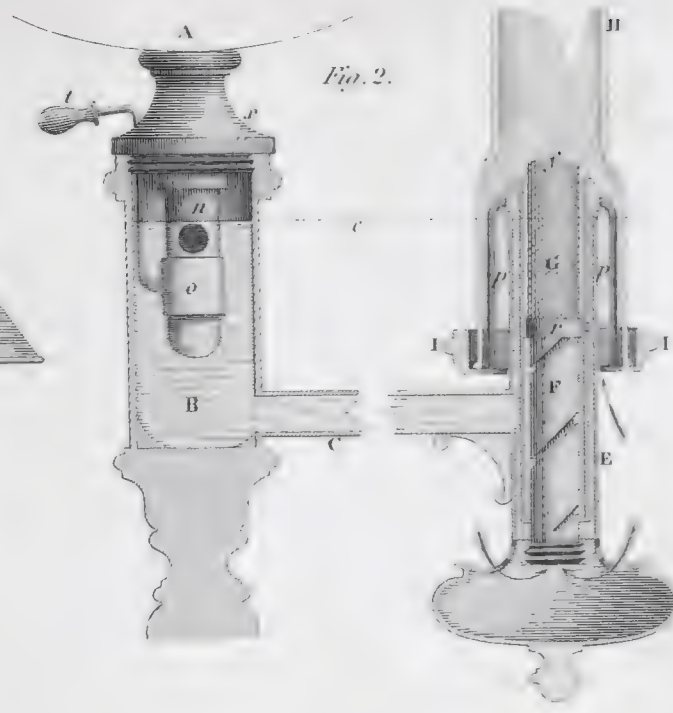
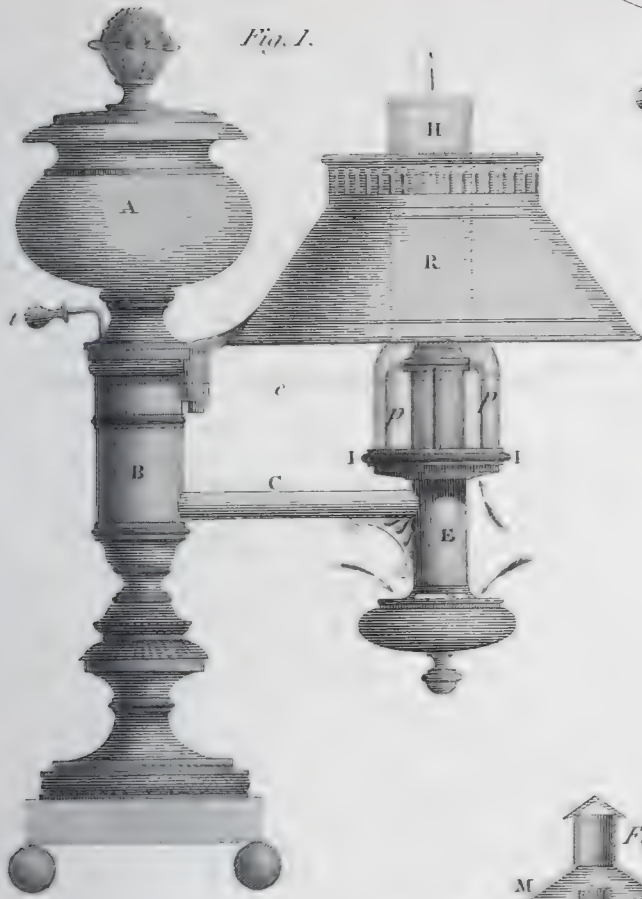
PLATE CCCXL.



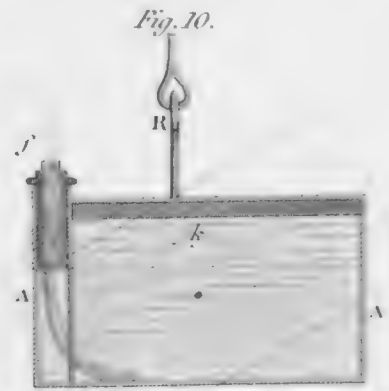
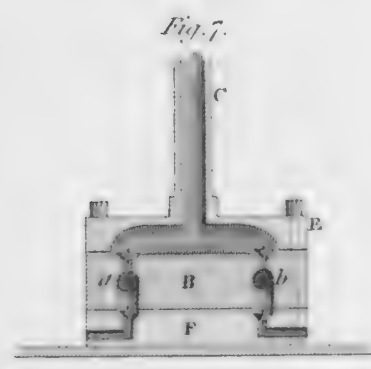
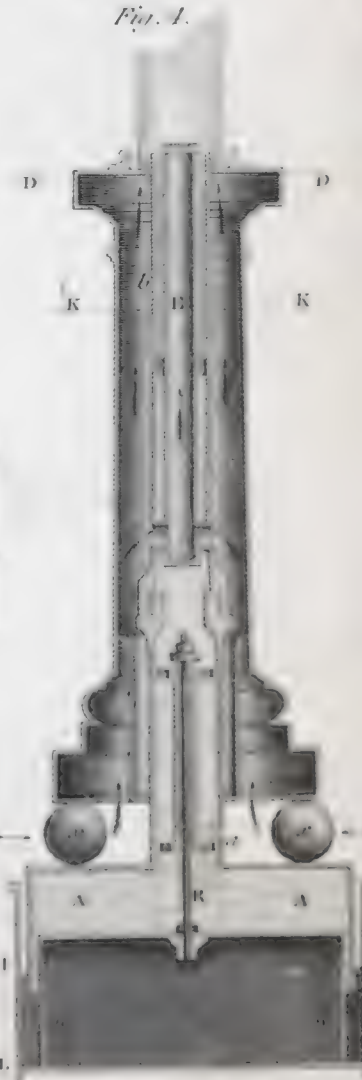
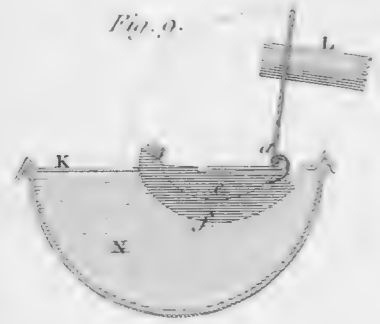
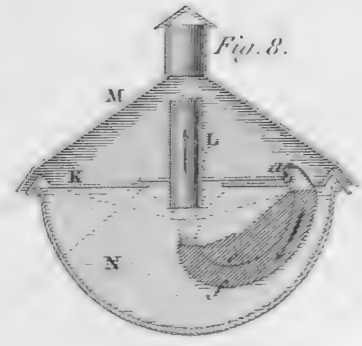
Scale of feet for Figs 12, 15, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19

Scale of feet for Figs 16, 17, 18, 19

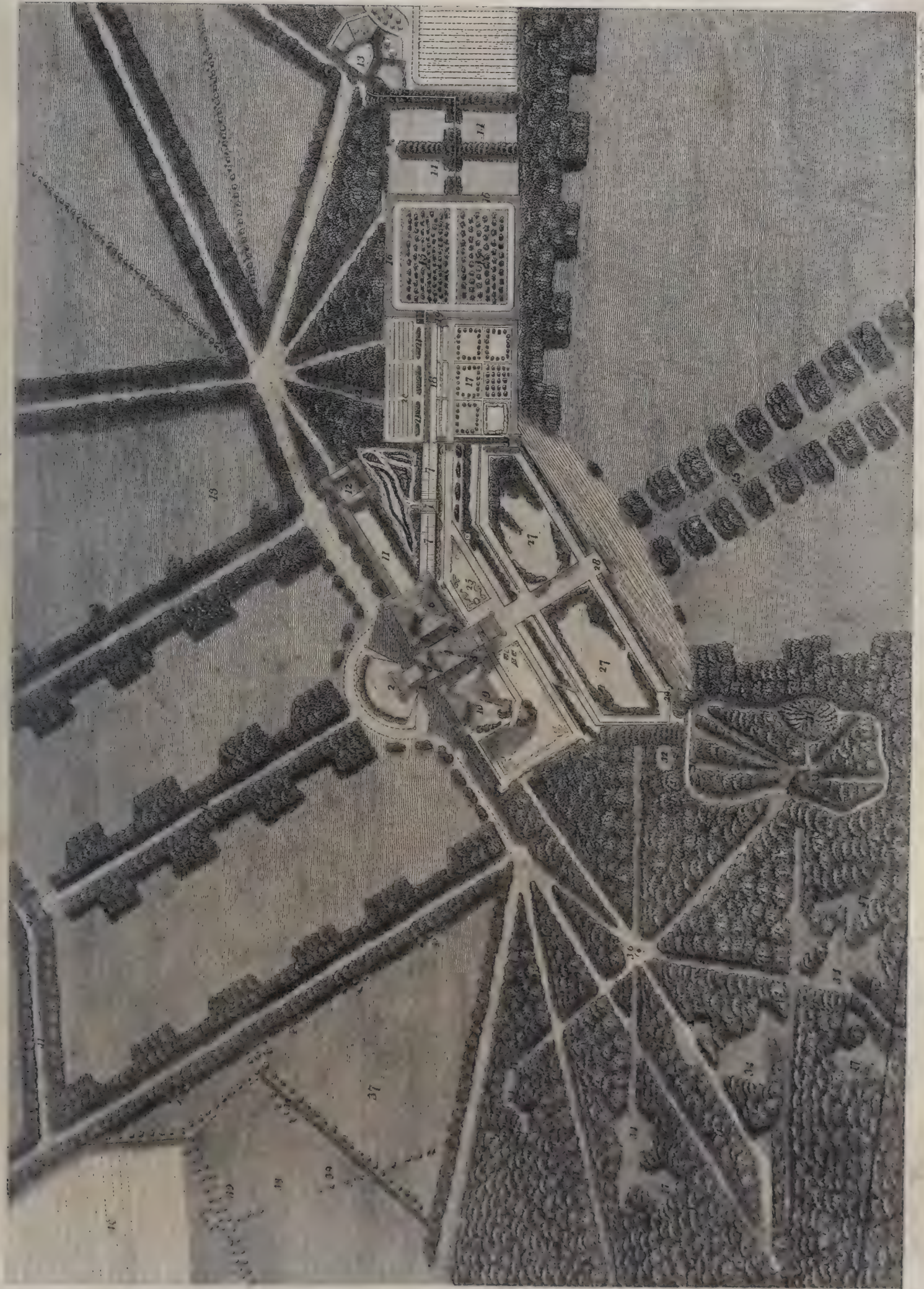




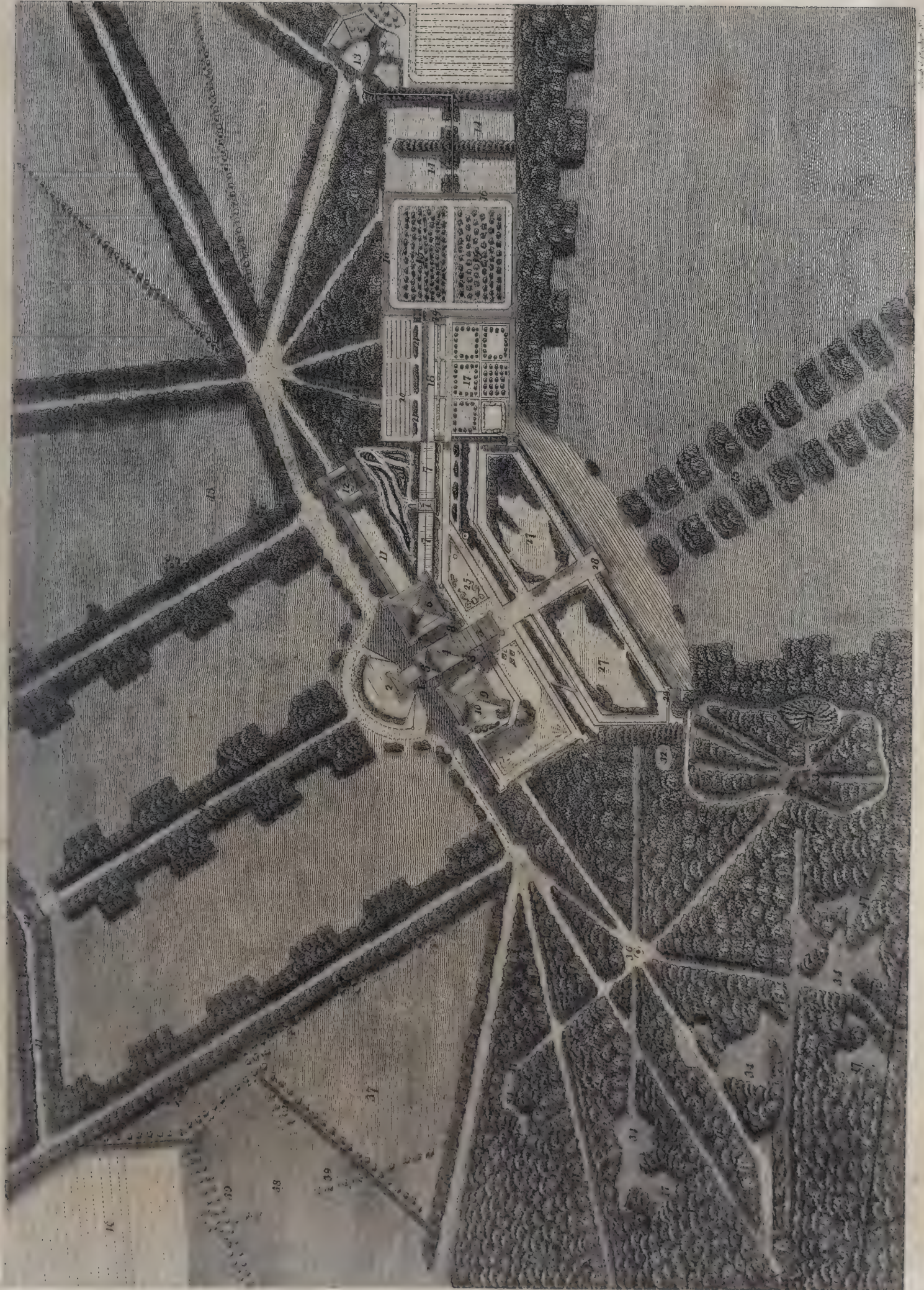
LORD COCHRANE'S LAMP











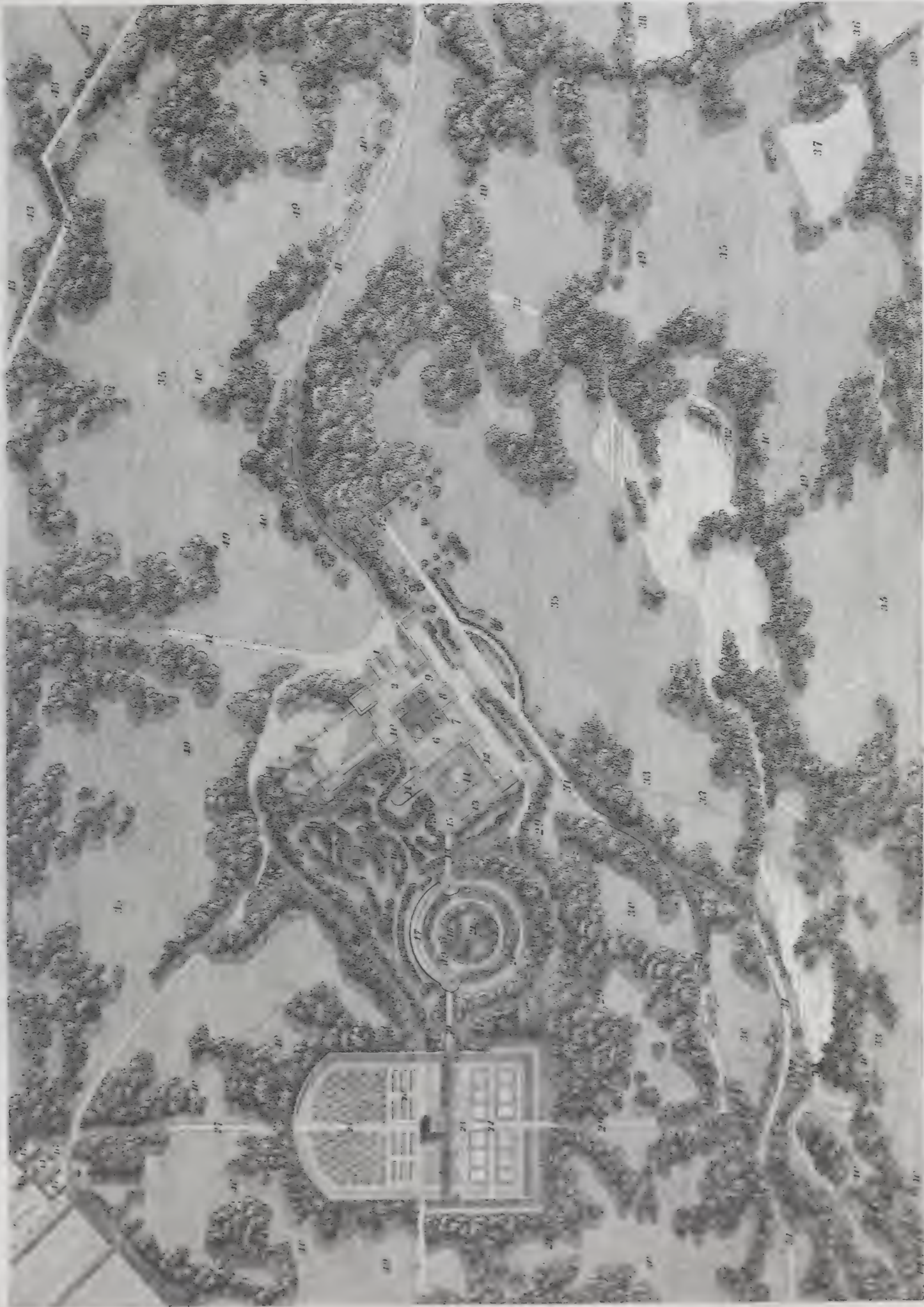
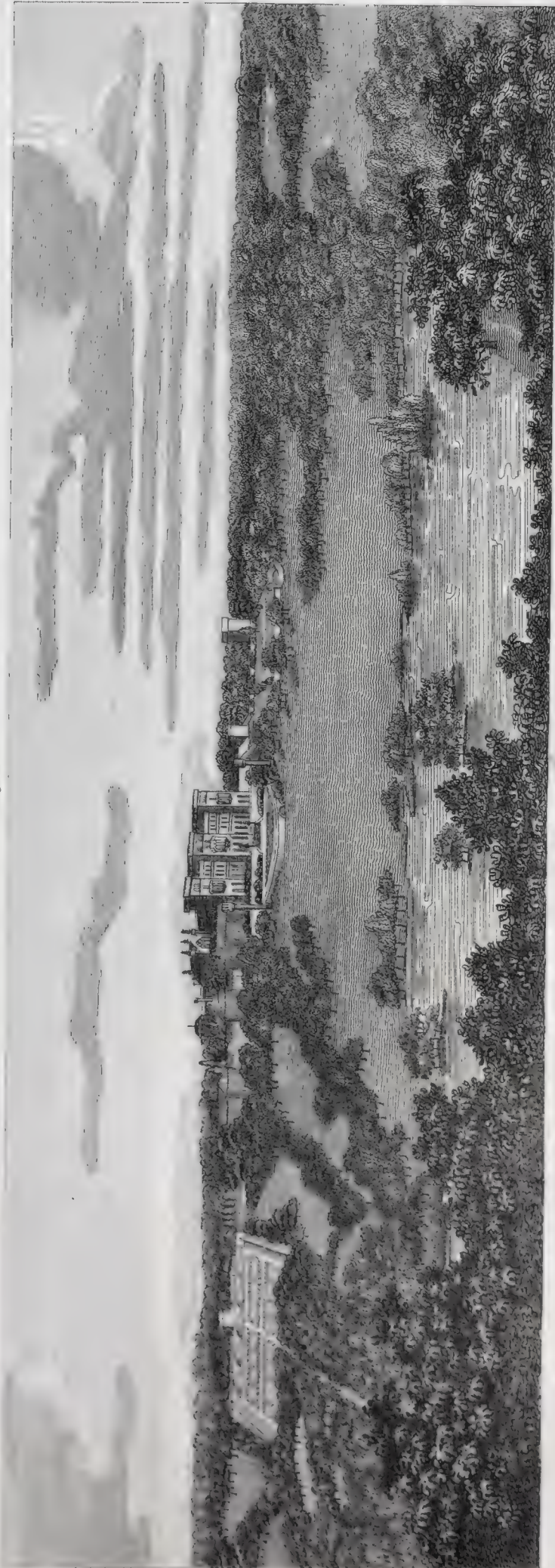


Fig. 1.



Fig. 2.

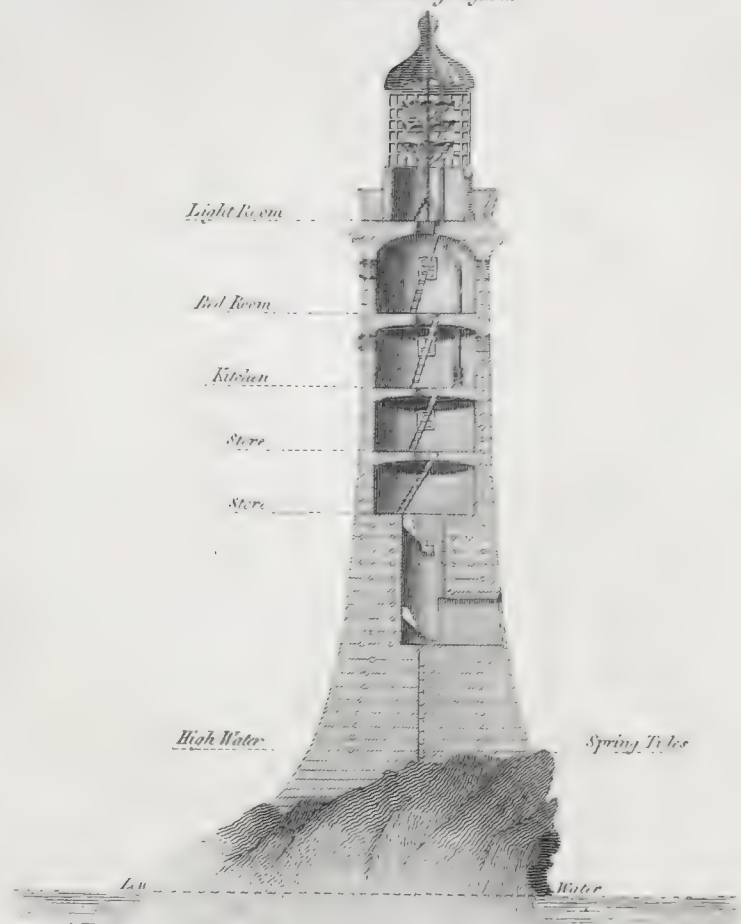
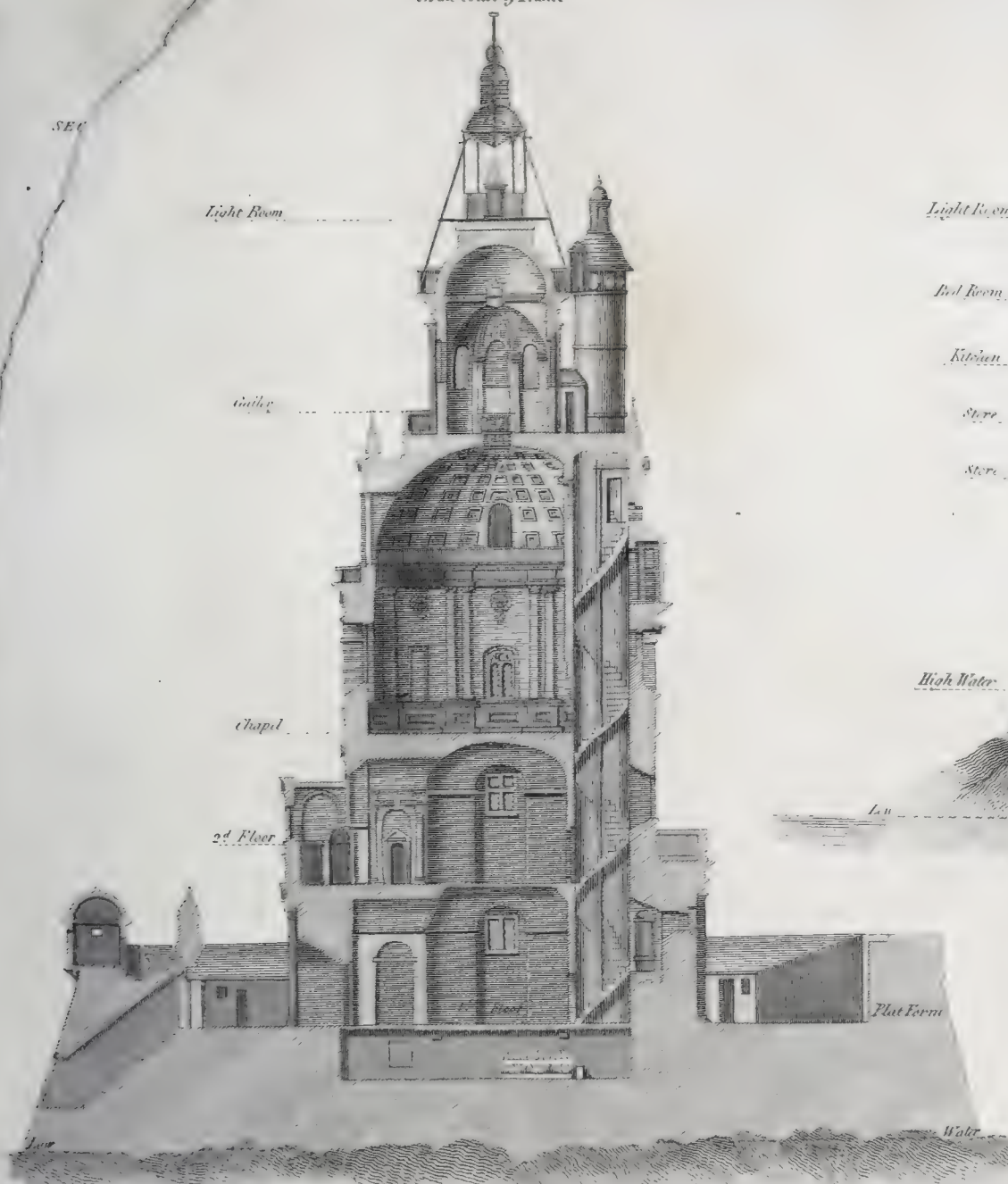






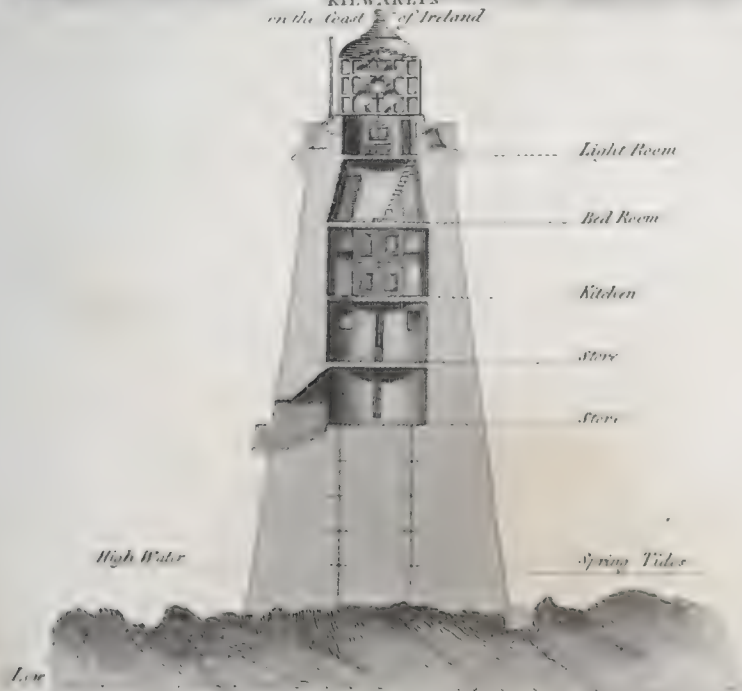
TOUR DE CORDUAN
on the Coast of France

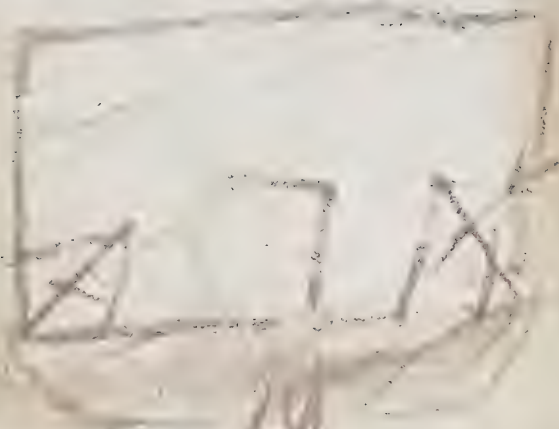
EDDY STONE
on the Coast of England



BELL ROCK
on the Coast of Scotland

KILWARLIN
on the Coast of Ireland

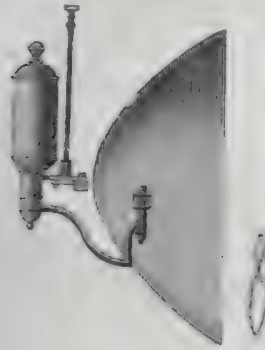




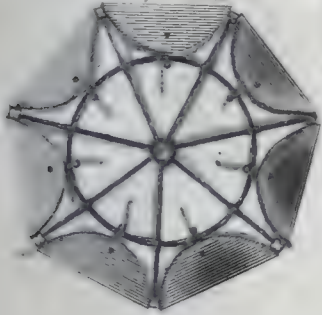
LIGHT-HOUSE.

JONKHEITH LIGHT HOUSE in the FIRTH of FORTH.

SECTION of a REFLECTOR



PLAN of REFLECTOR FRAME with 7 Reflectors

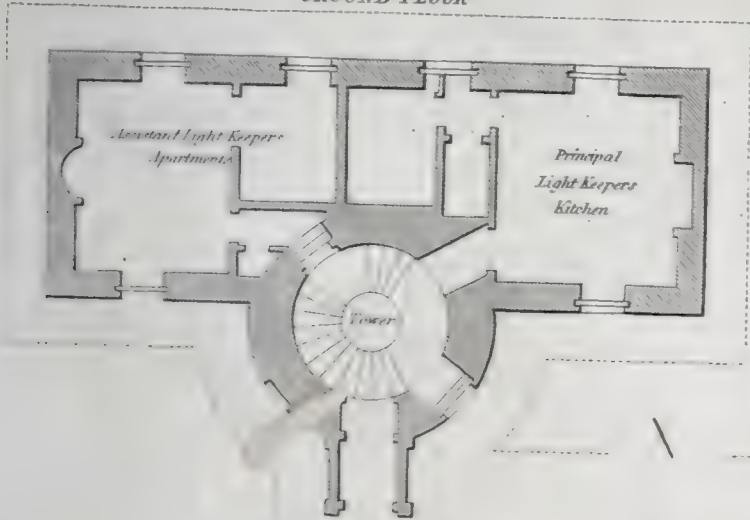


SECTION of LIGHT ROOM



Scale of Feet to Section of Light Room.

GROUND FLOOR

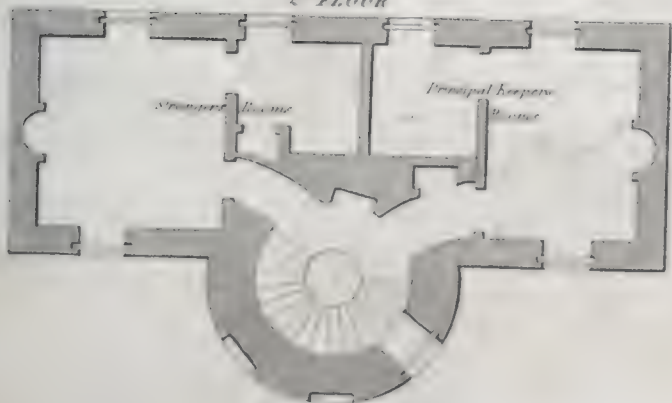


COURT of OFFICES



Scale of Feet to Plans & Elevation

2^d FLOOR





LOCKS.

BRAMBLE'S
Fig. 1.

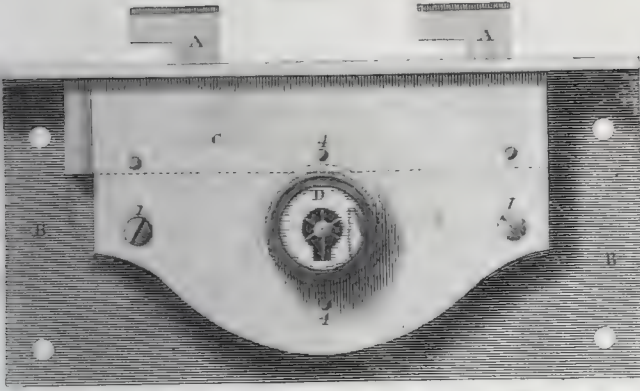
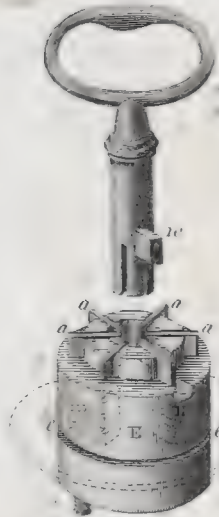


Fig. 6.



BARON'S
Fig. 7.

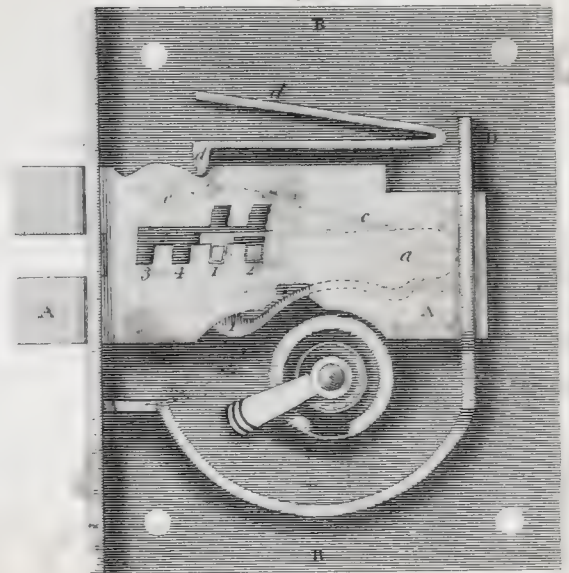


Fig. 4.

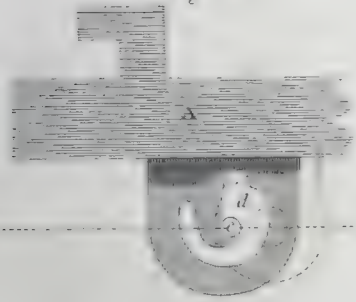


Fig. 3.

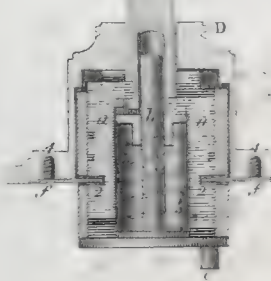


Fig. 2.

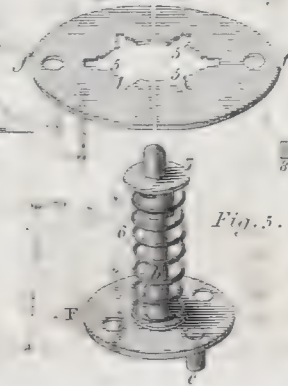
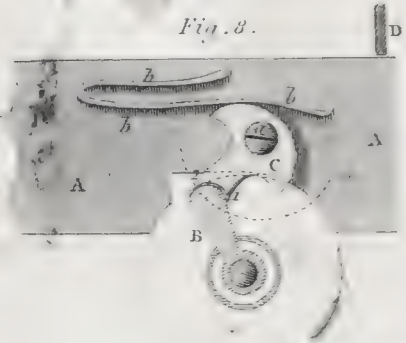


Fig. 8.



CHUBB'S
Fig. 12.

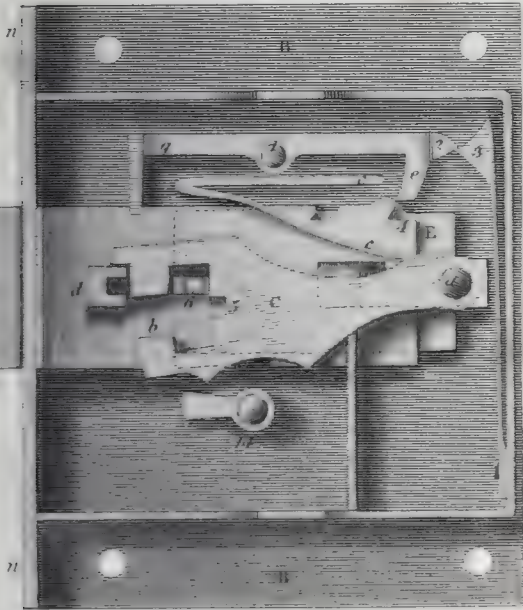


Fig. 13.

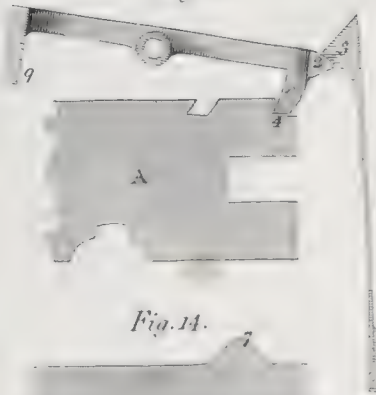


Fig. 9.

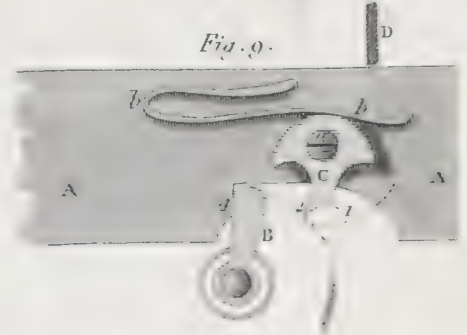


Fig. 14.

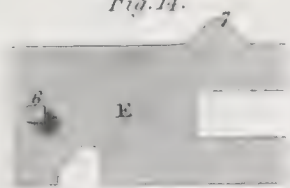


Fig. 15.



HEXTON'S
Fig. 10.

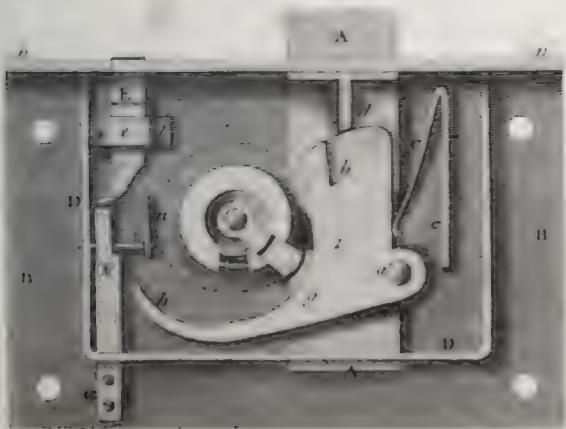


Fig. 11.



COMBINATION LOCK,
Fig. 17.

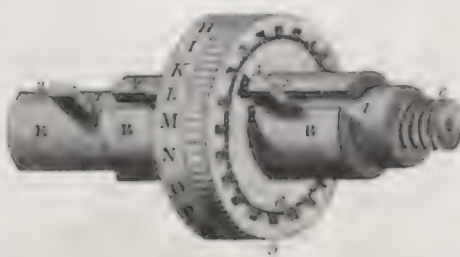


Fig. 16.





Fig. 1.



Fig. 2.

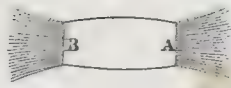


Fig. 3.

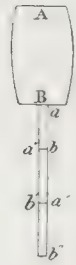


Fig. 4.

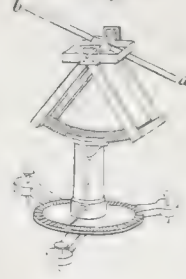


Fig. 5.

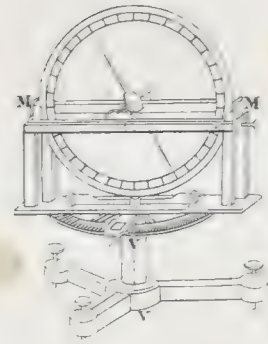


Fig. 6.

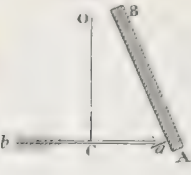


Fig. 7.

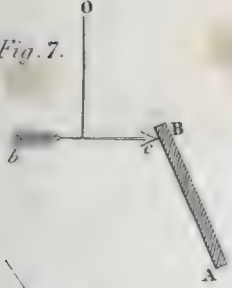


Fig. 8.

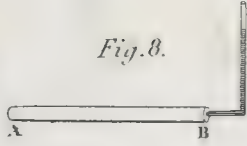


Fig. 9.

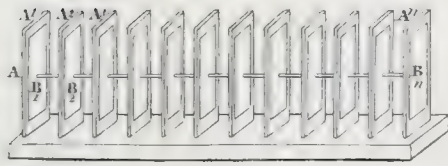


Fig. 12.



Fig. 10.

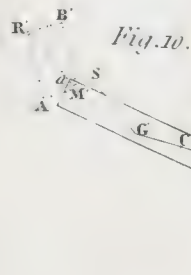


Fig. 11.

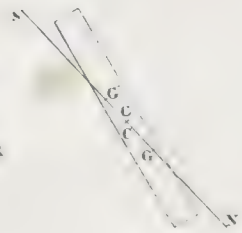


Fig. 13.

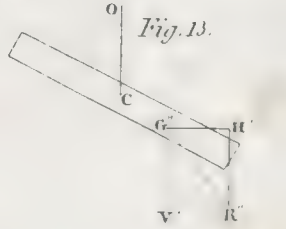


Fig. 14.

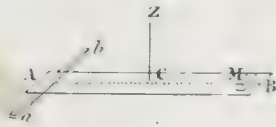


Fig. 16.

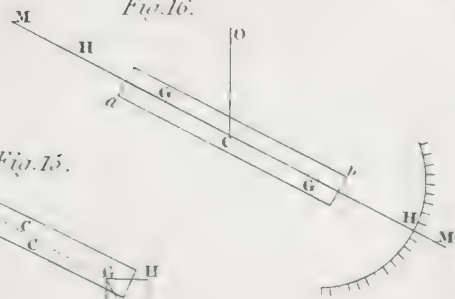


Fig. 15.

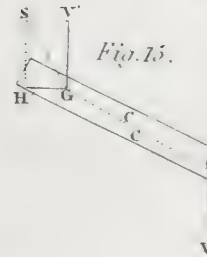


Fig. 17.



Fig. 18.

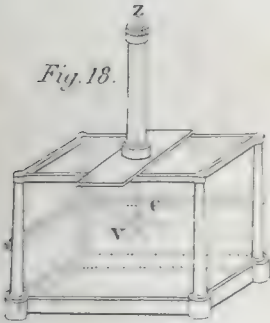


Fig. 19.



Fig. 20.



Fig. 21.

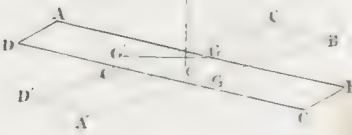


Fig. 22.



Fig. 23.

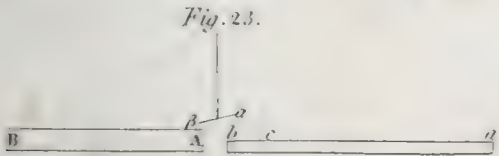


Fig. 24.

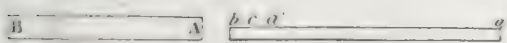


Fig. 26.

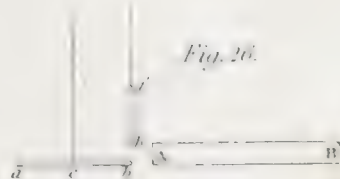


Fig. 27.



Fig. 28.

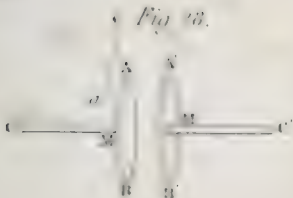


Fig. 29.

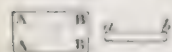


Fig. 25.

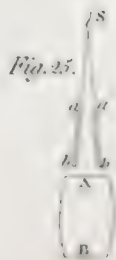
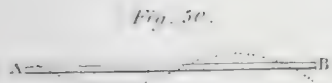
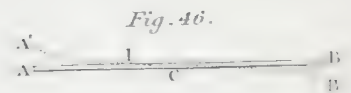
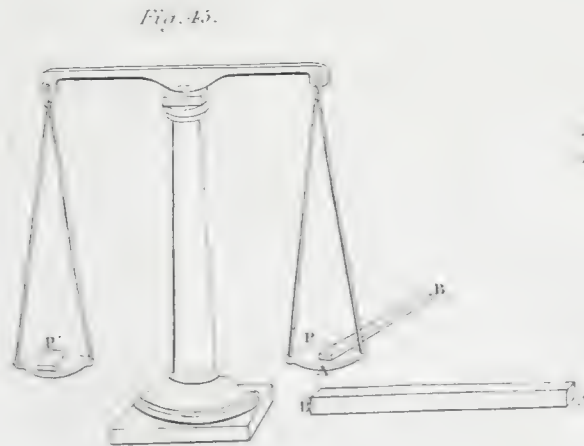
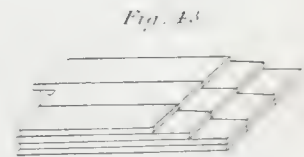
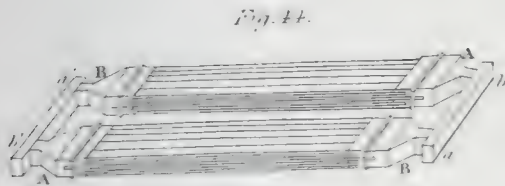
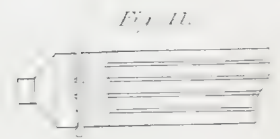
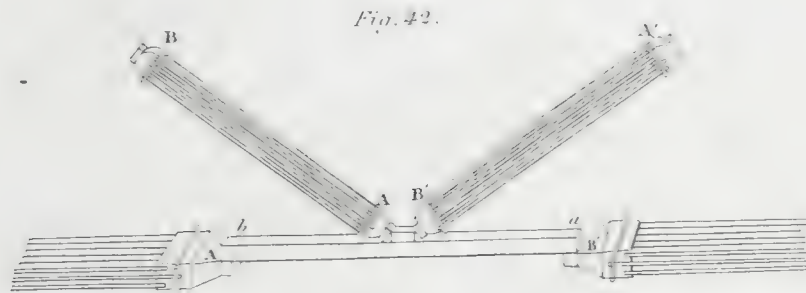
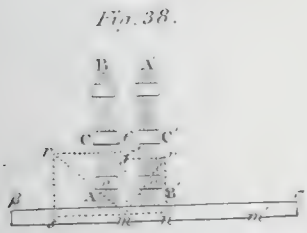
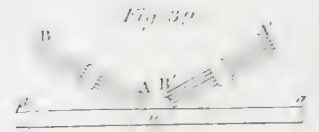
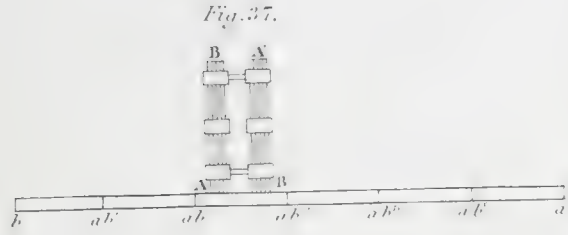
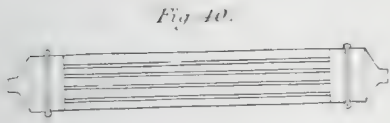
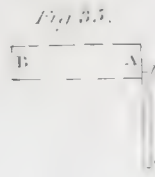
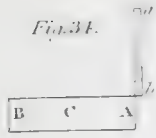
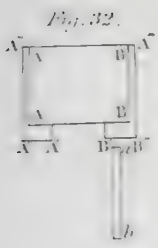


Fig. 30.



Fig. 31.





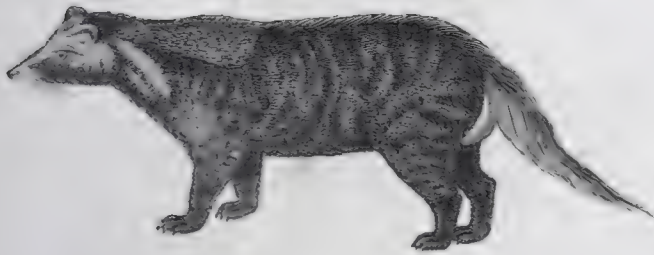
FERRET.
Fig. 10.



ICHNEUMON.
Fig. 9.



CIVET.
Fig. 15.



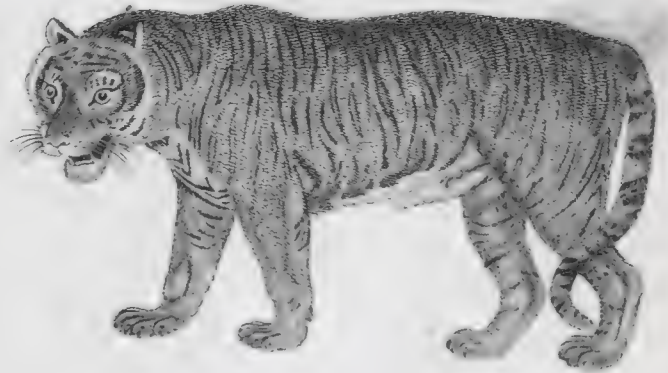
COMMON LYNX.
Fig. 11.



COMMON HYENA.
Fig. 16.



TIGER.
Fig. 13.



LIONESS.
Fig. 12.



LION.
Fig. 14.



PETAURINE OPOSSUM.
Fig.22.



FENNER.
Fig.17.



DIGGING WOMBAT.
Fig.21.



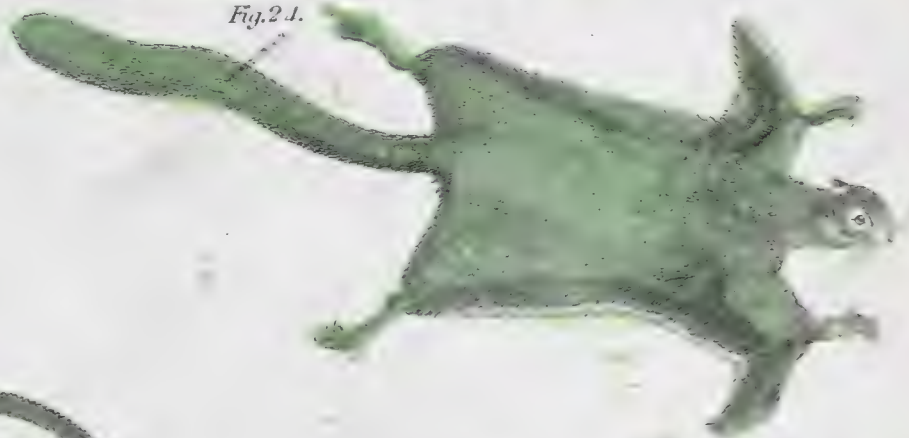
COMMON OPOSSUM.
Fig.20.



GREAT KANGAROO.
Fig.23.



COMMON FLYING SQUIRREL.
Fig.21.



JACKAL.
Fig.19.



WOLF
Fig.18.



COMMON JIRHOA.
Fig. 25.



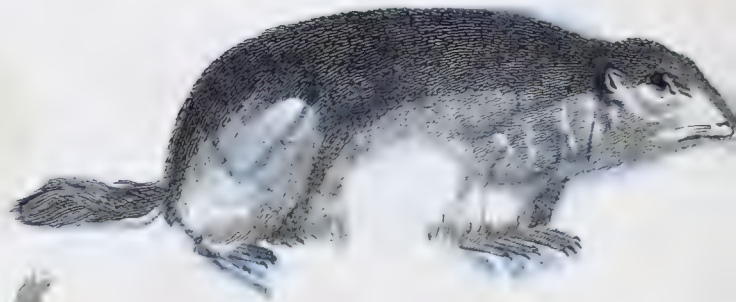
CRESTED PORCUPINE.
Fig. 27.



THREE TOED SLOTH.
Fig. 30.



ALPINE MARMOT.
Fig. 26.



PANGOLIN.
Fig. 28.



GREAT ANT EATER.
Fig. 29.



LONG NOSED TAPIR.
Fig. 31.



SINGLE HORNED RHINOCEROS.
Fig. 32.







Fig. 39
REIN DEER



Fig. 37
STAG



Fig. 36
PIGMY MUSK

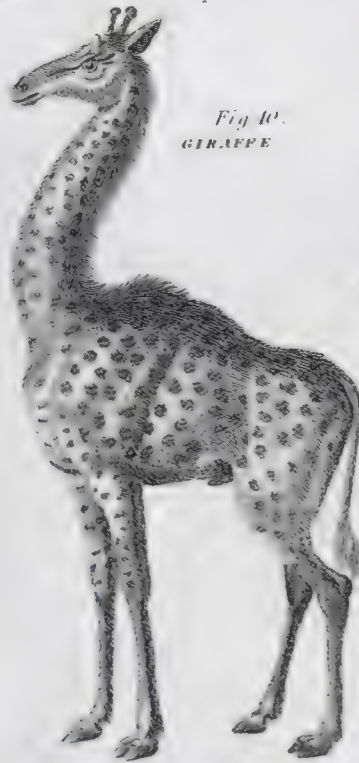


Fig. 40.
GIRAFFE



Fig. 38
ROE



Fig. 35
MUSK

Fig. 34
DROMEDARY



Fig. 33
HIPPOPOTAMUS OR RIVER HORSE





MANED SEAL.
Fig. 47.



MORSE
Fig. 48.



ZEBRA.
Fig. 16.



MUSK OX.
Fig. 45.



CHAMOIS.
Fig. 13.



IBEX
Fig. 14.



OSMADDED ANTILOP
Fig. 12.



ANY CHAM
Fig. 11.





Fig. 1.

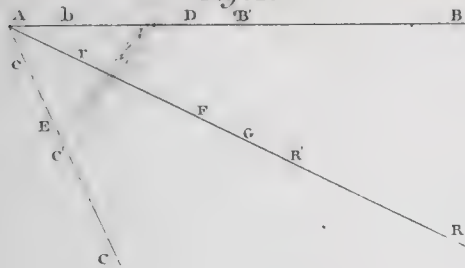


Fig. 2.

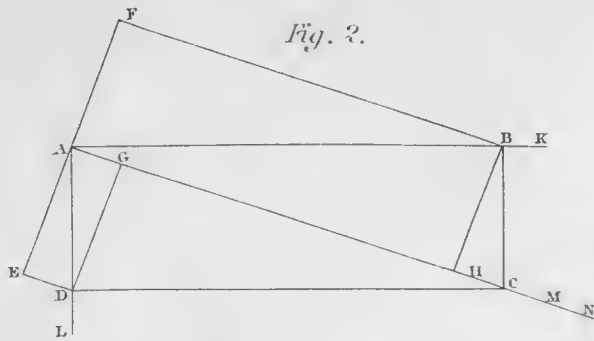


Fig. 4.

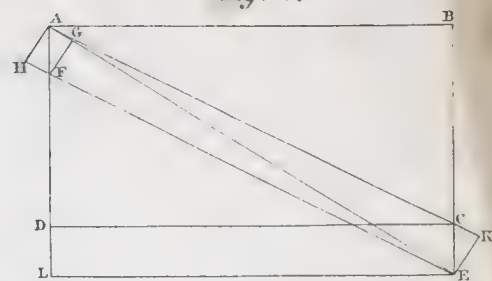


Fig. 3.

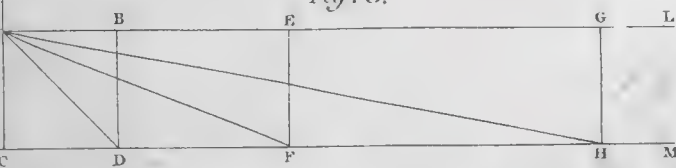


Fig. 7.

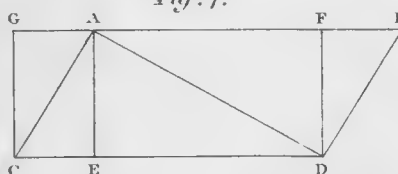


Fig. 5.

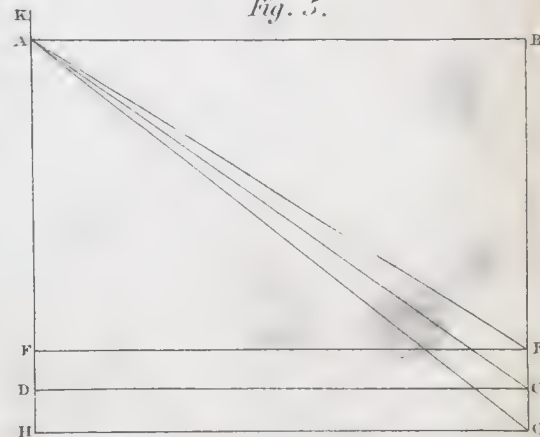


Fig. 6.

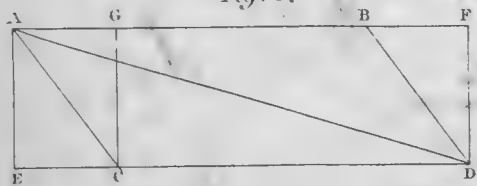


Fig. 11.

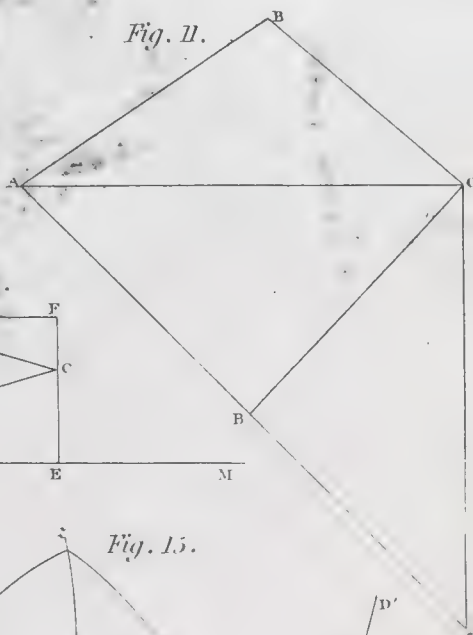


Fig. 9.

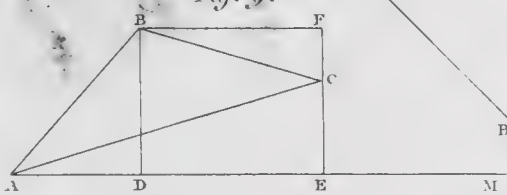


Fig. 8.

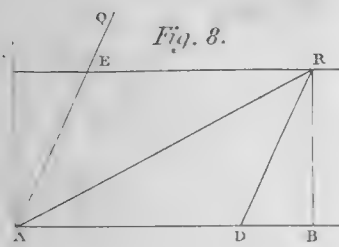


Fig. 13.

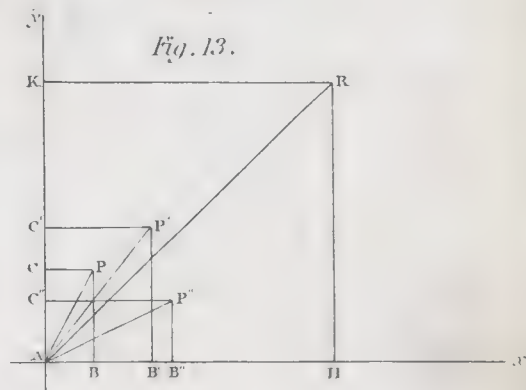


Fig. 12.

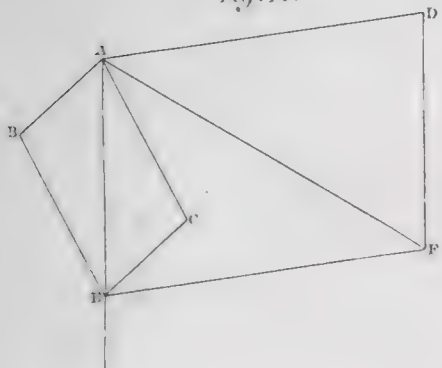


Fig. 15.

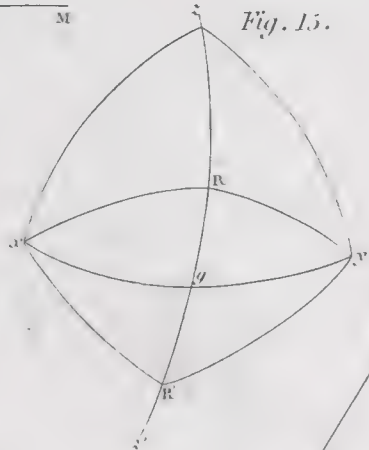


Fig. 10.



Fig. 11.

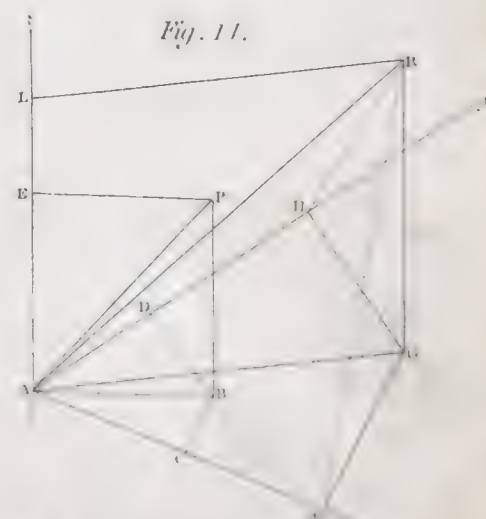


Fig. 16.

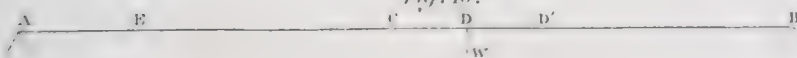


Fig. 17.

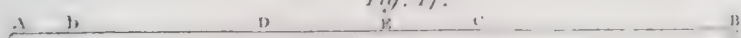


Fig. 18.

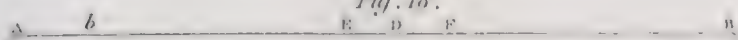


Fig. 19.

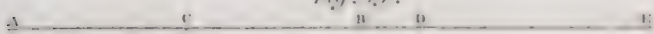


Fig. 20.

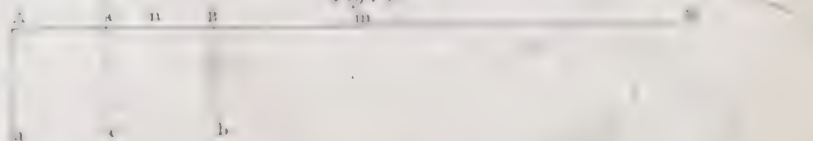


Fig. 21.

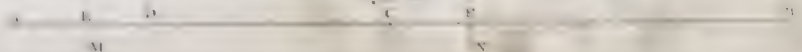


Fig. 1.

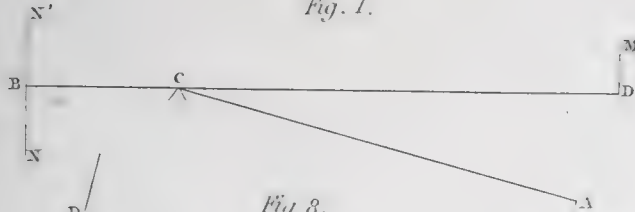


Fig. 3.

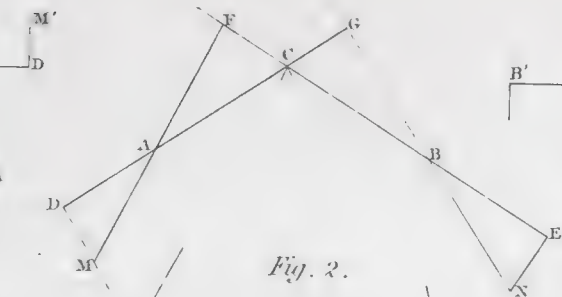


Fig. 4.

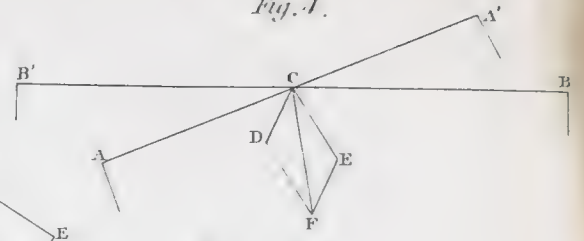


Fig. 8.

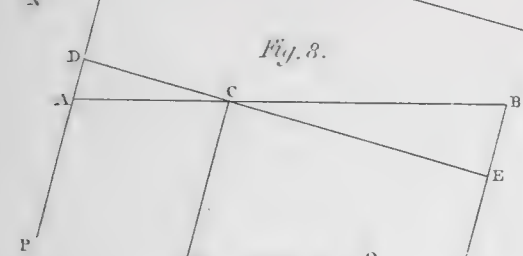


Fig. 2.

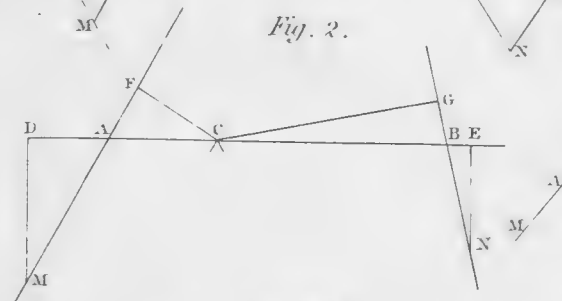


Fig. 5.

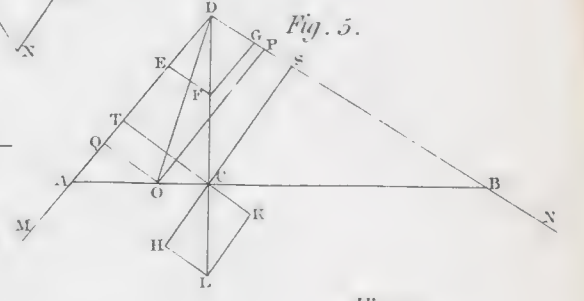


Fig. 9.

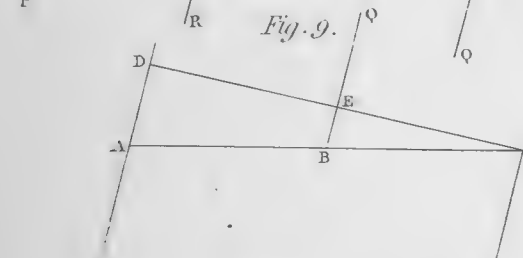


Fig. 6.

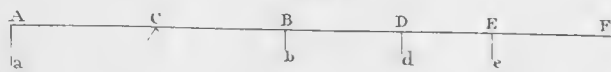


Fig. 13.

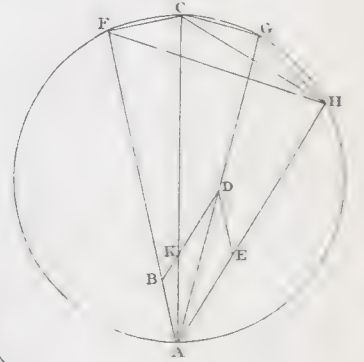


Fig. 10.

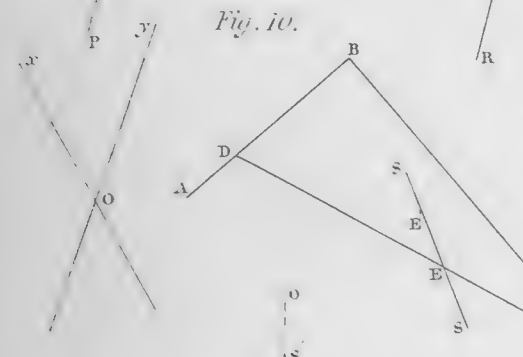


Fig. 7.

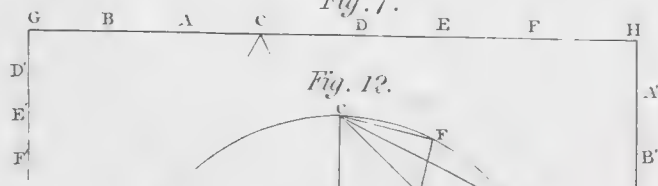


Fig. 12.

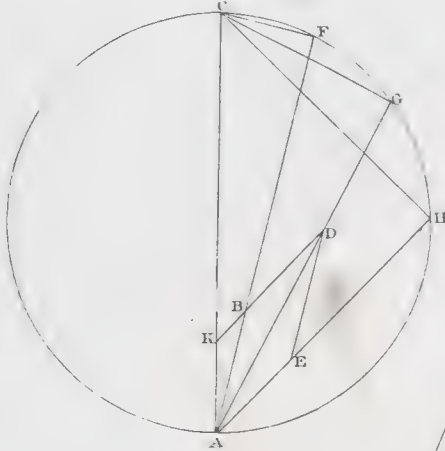


Fig. 20.

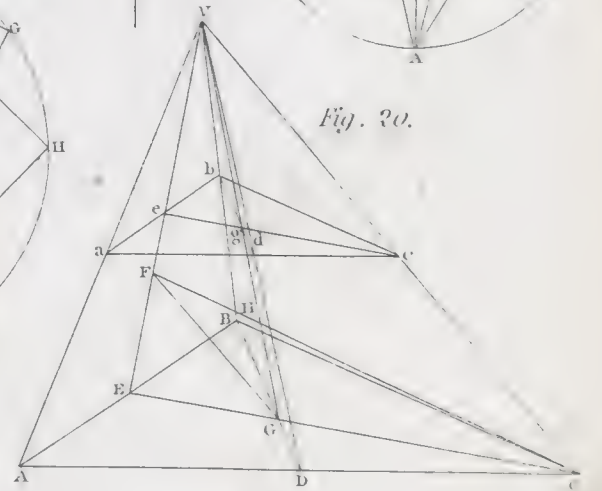


Fig. 14.

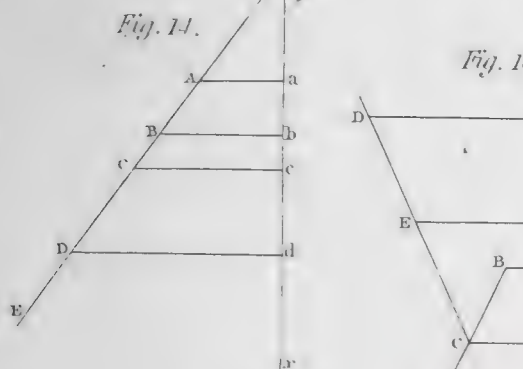


Fig. 16.

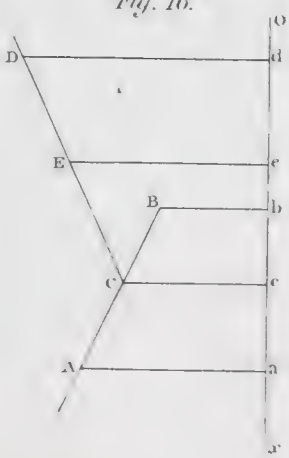


Fig. 19.

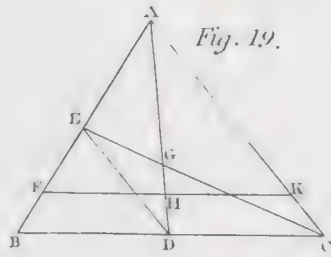


Fig. 11.

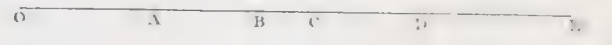


Fig. 15.

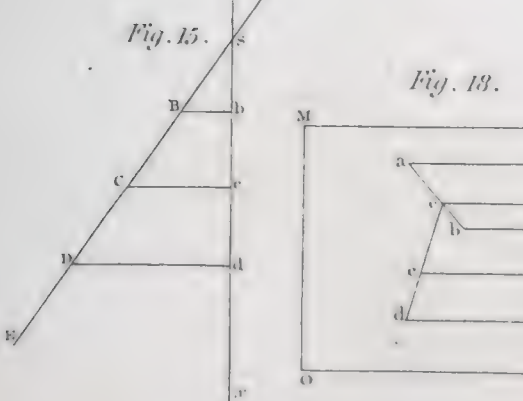


Fig. 18.

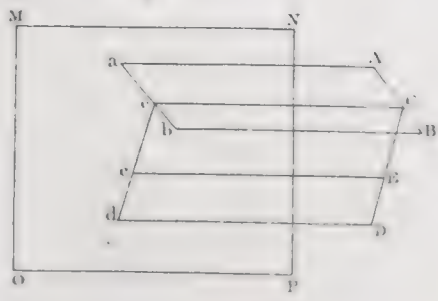


Fig. 17.

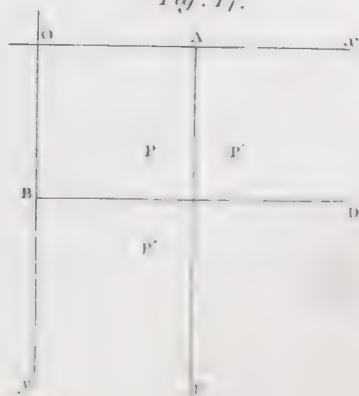


Fig. 21.

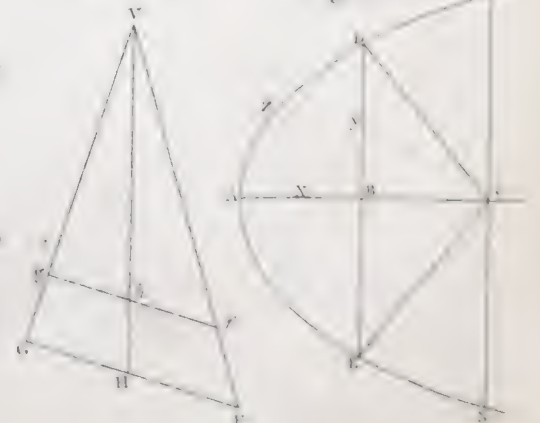


Fig. 22.



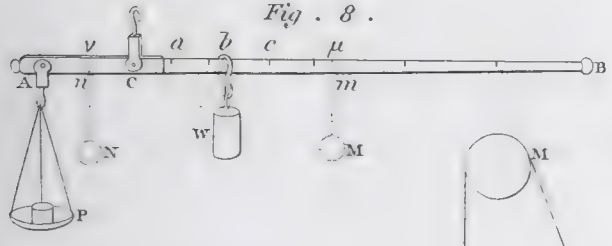
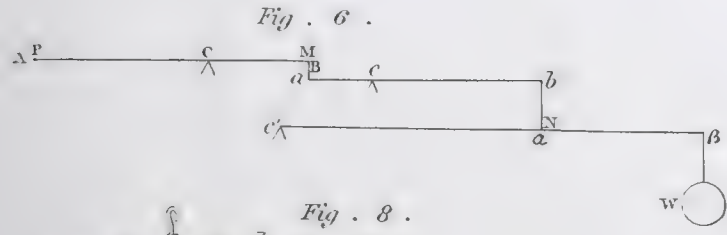
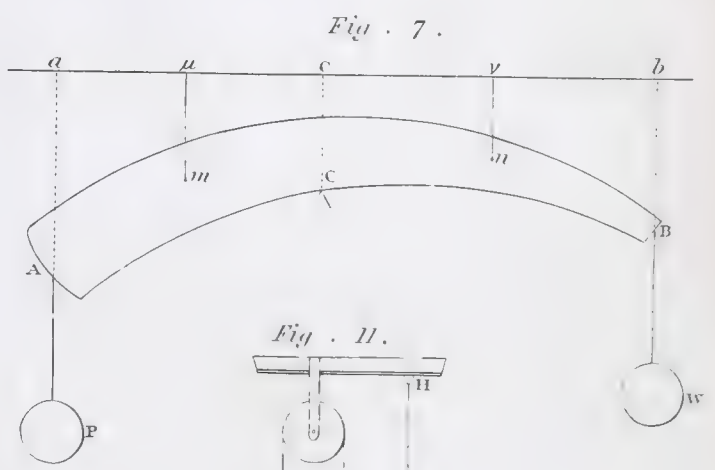
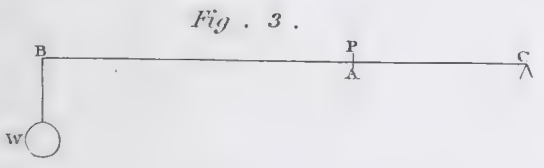
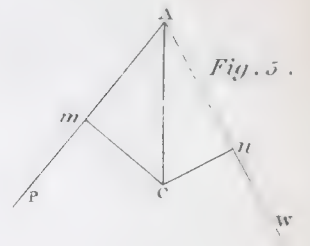
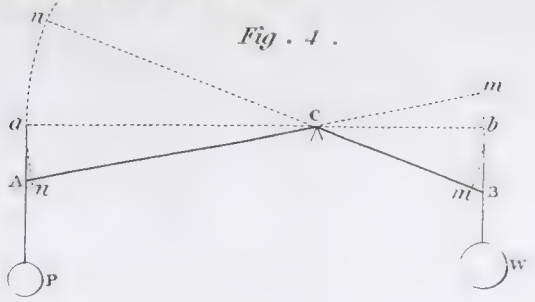
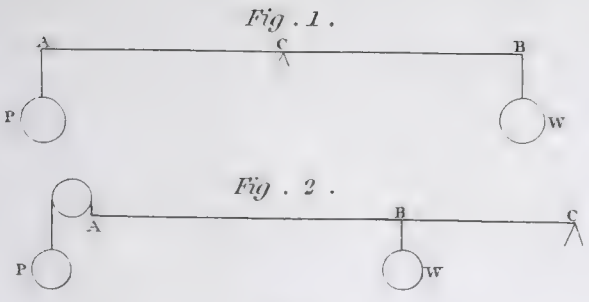


Fig. 10.

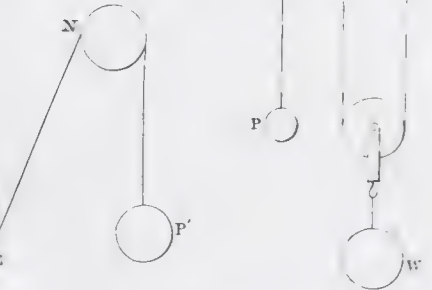


Fig. 13.

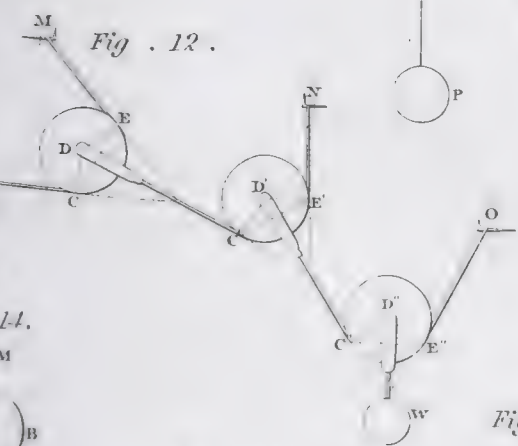


Fig. 9.



Fig. 14.



Fig. 16.



Fig. 15.

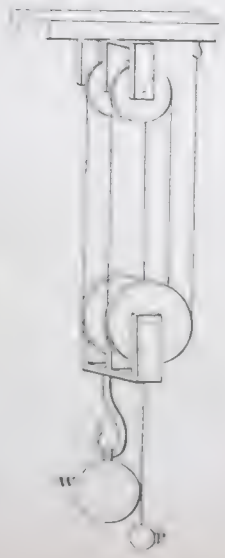


Fig. 17.

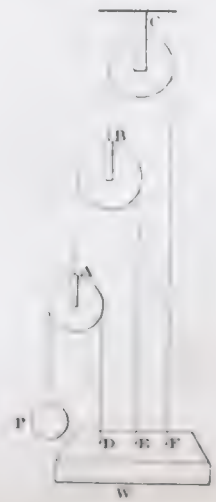


Fig. 18.

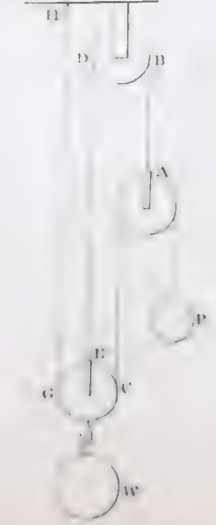


Fig. 19.







Fig. 1.



Fig. 2.



Fig. 3.

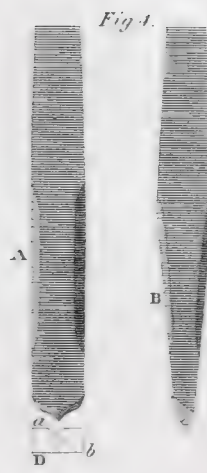


Fig. 4.

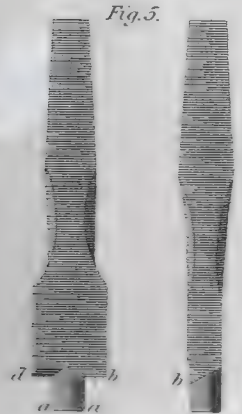


Fig. 5.



Fig. 6.

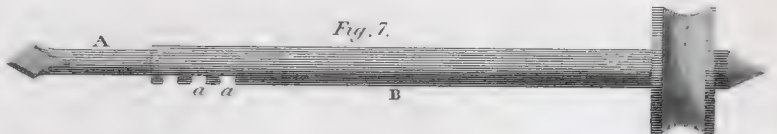


Fig. 7.



Fig. 8.



Fig. 9.

DRILLING MACHINES

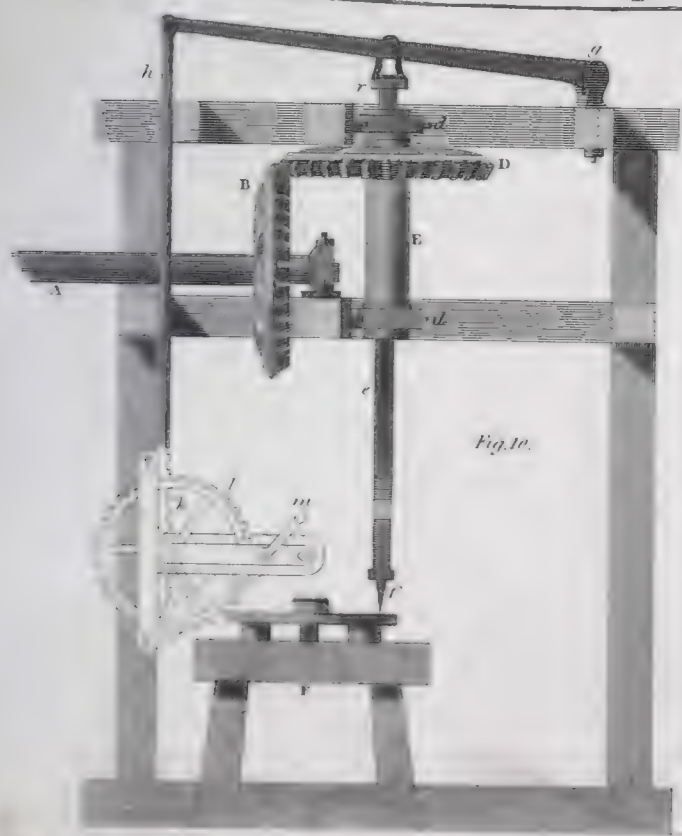


Fig. 10.

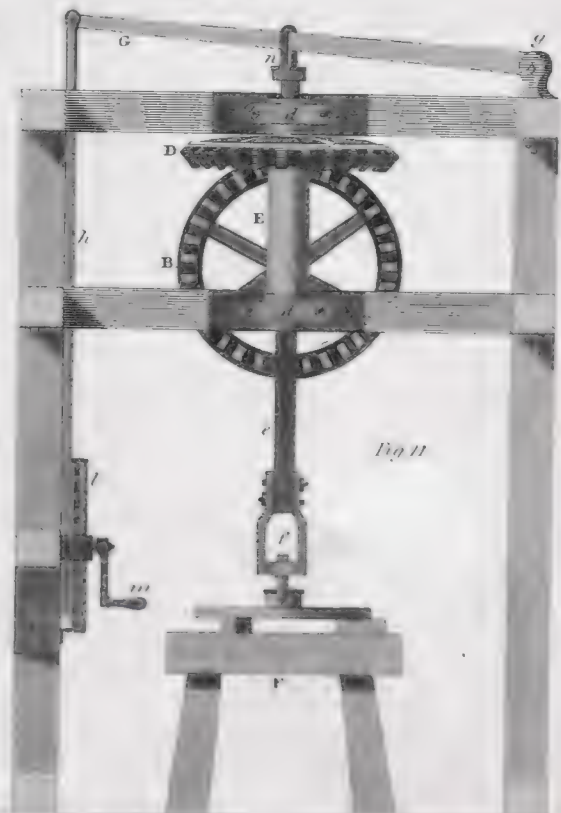
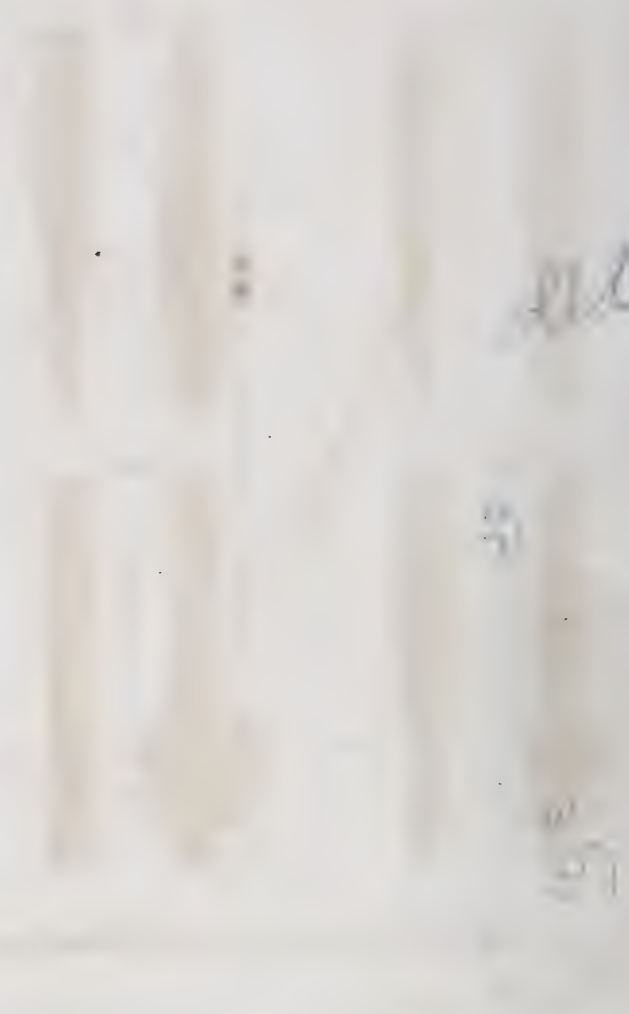


Fig. 11.



100

5

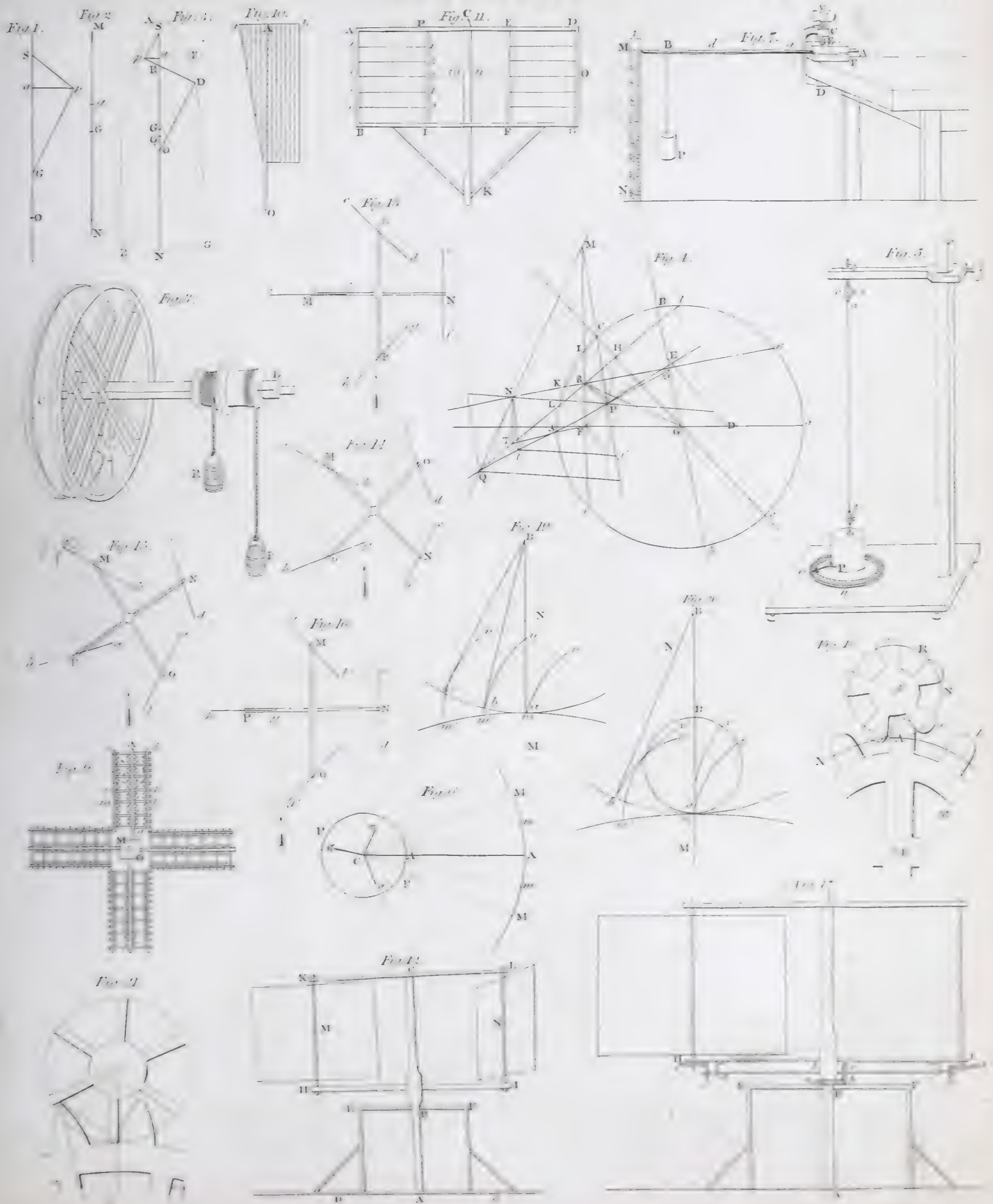
100

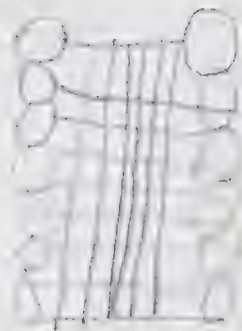


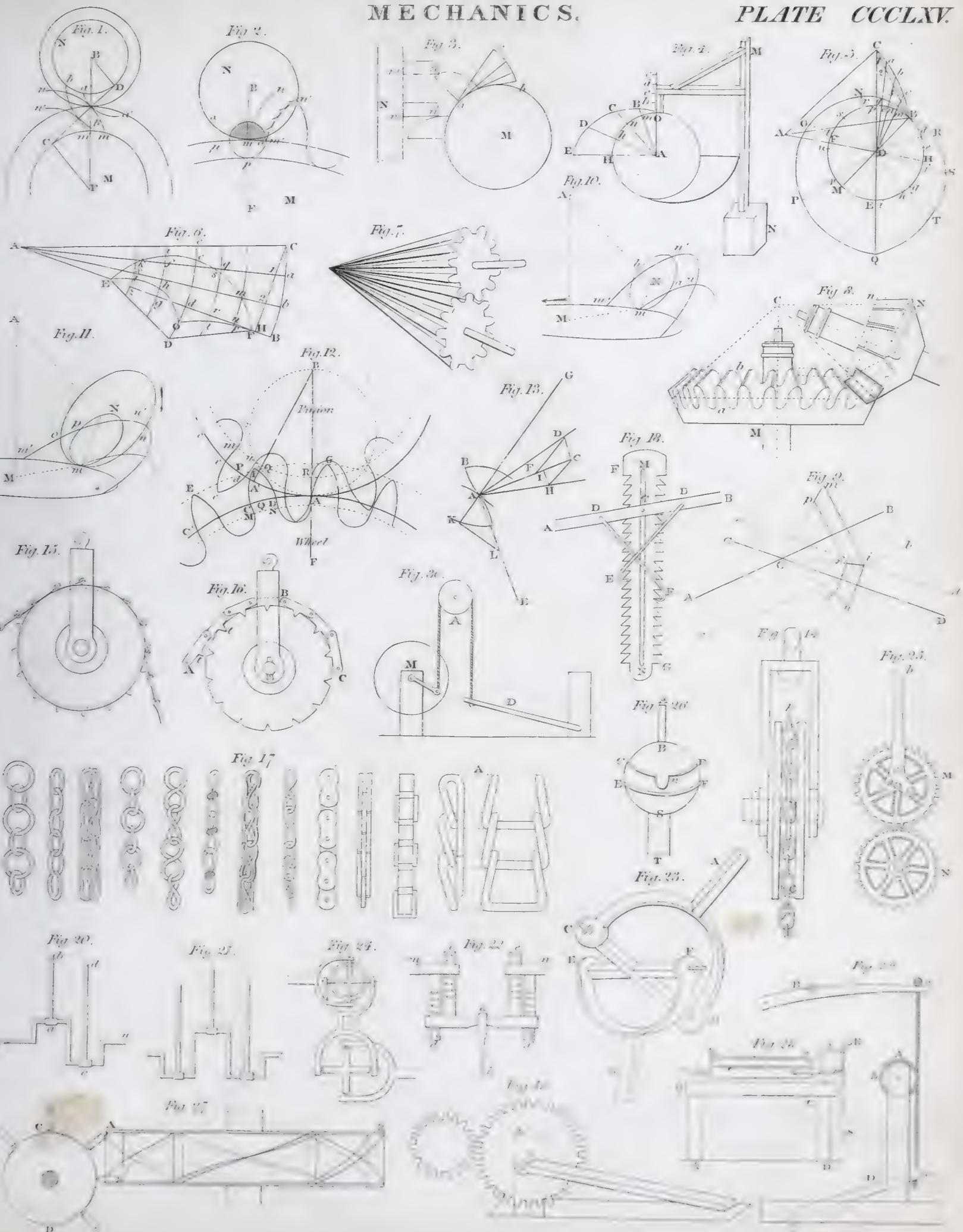
100

5

100









CRANES.

by M^r Ferguson.

Fig. 2.

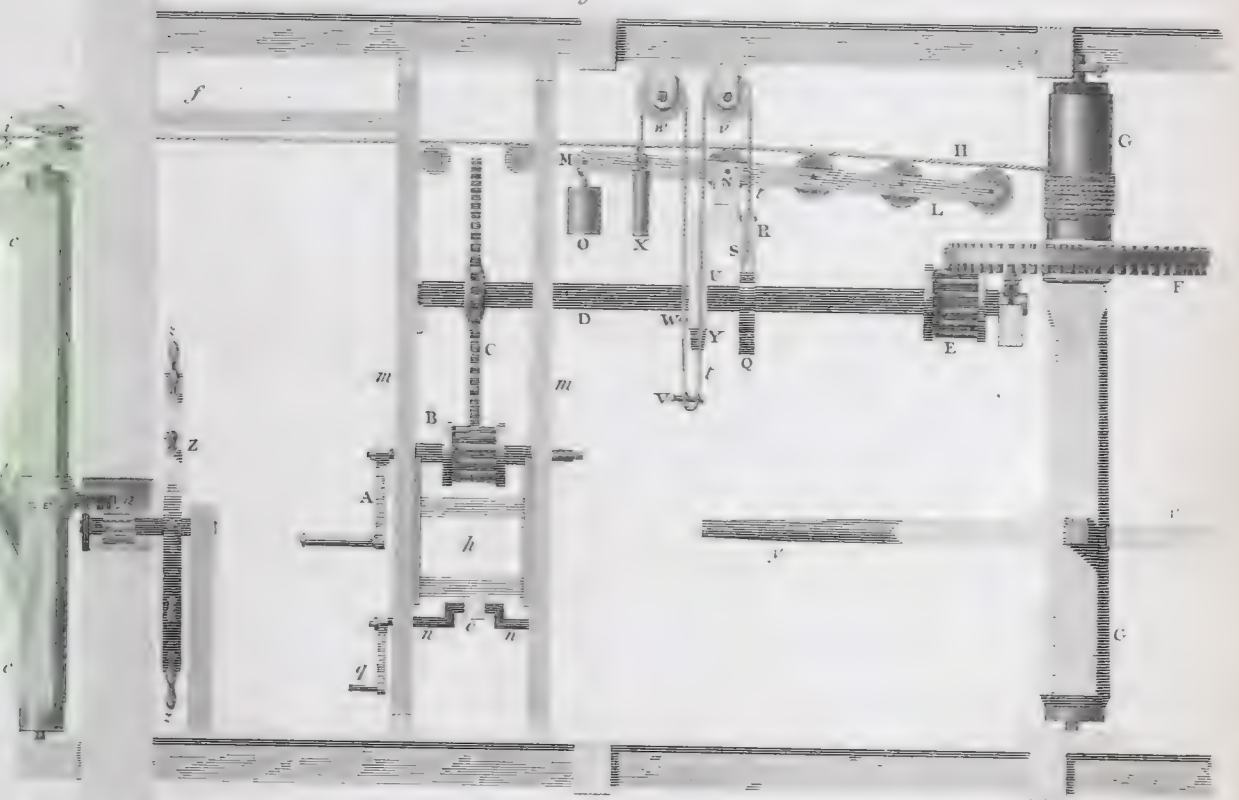
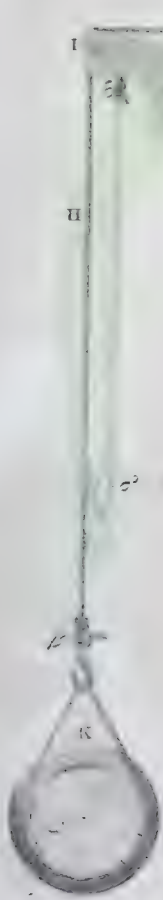
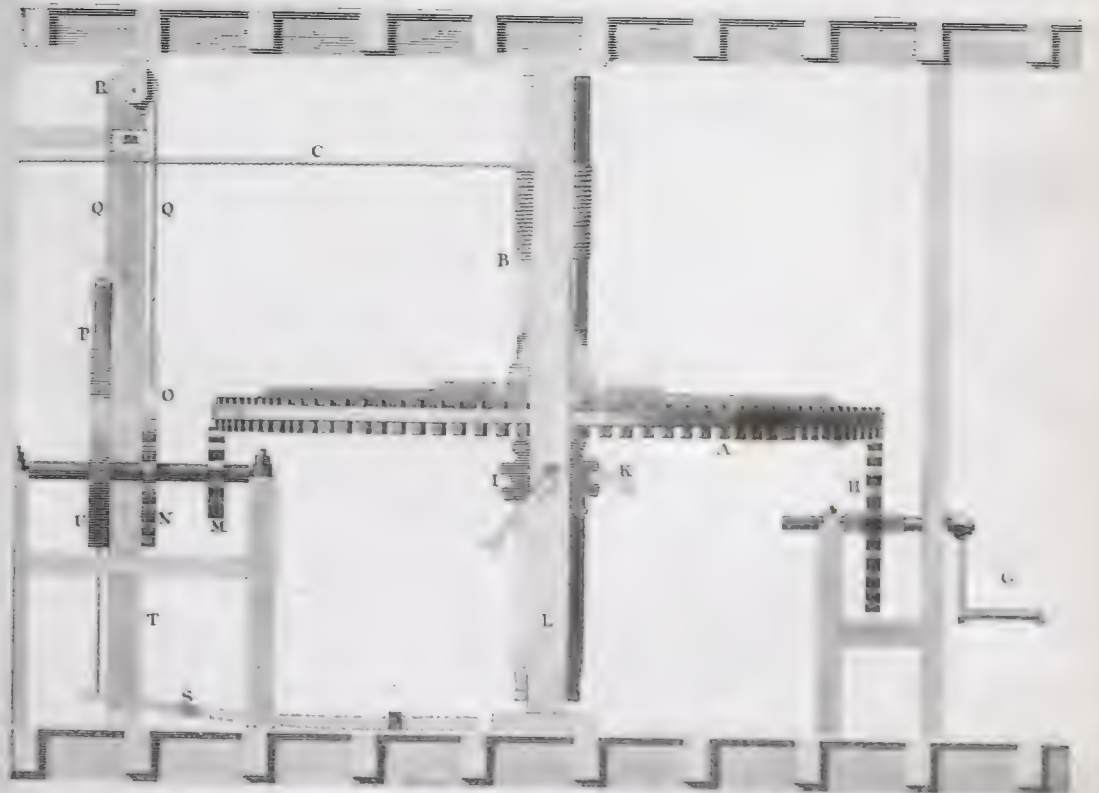
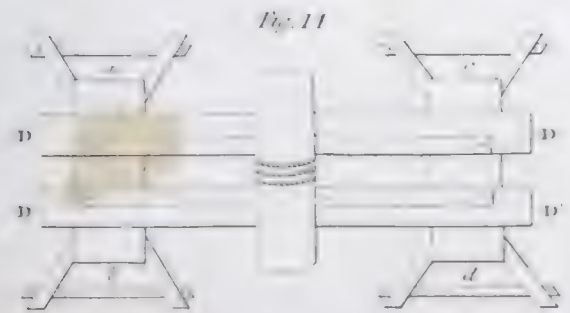
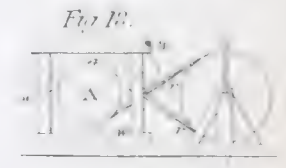
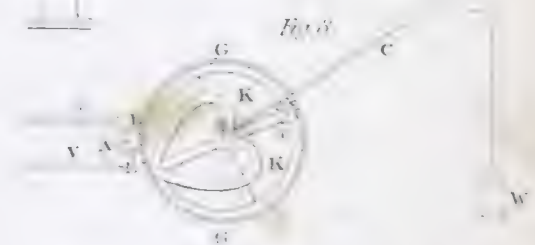
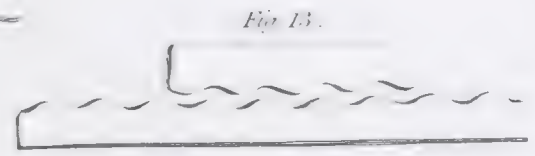
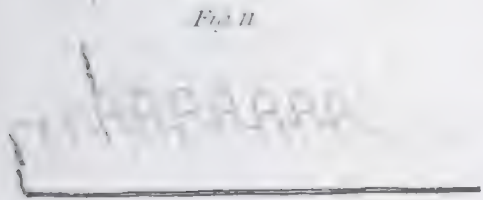
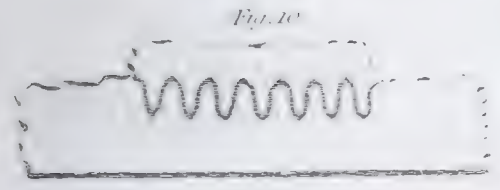
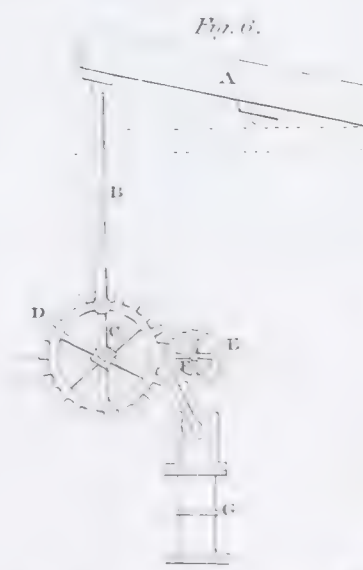
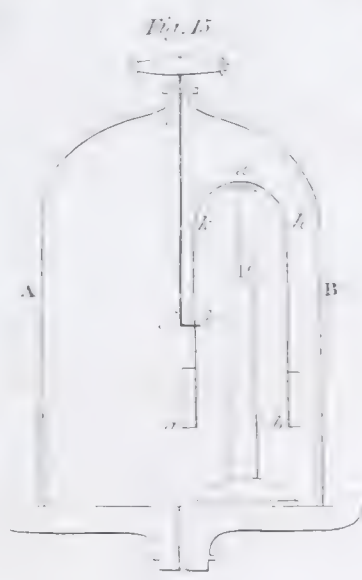
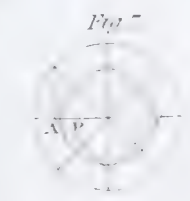
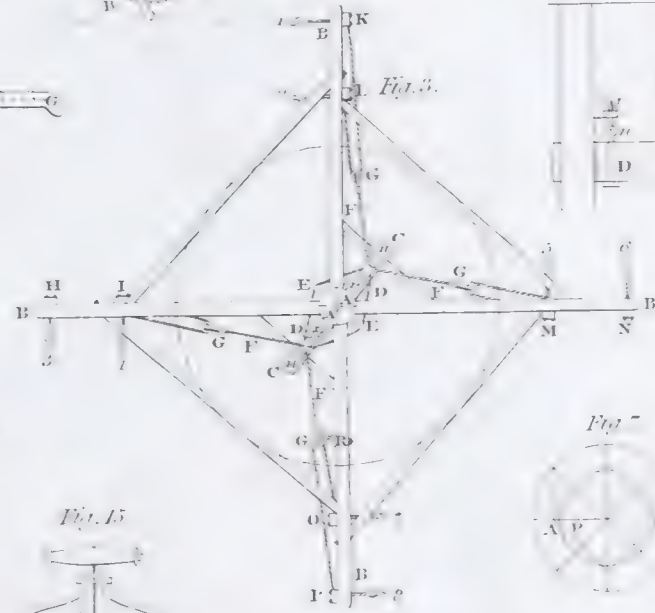
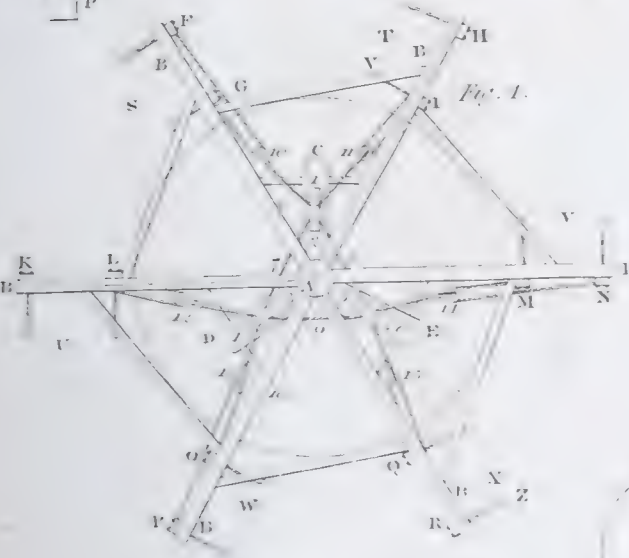
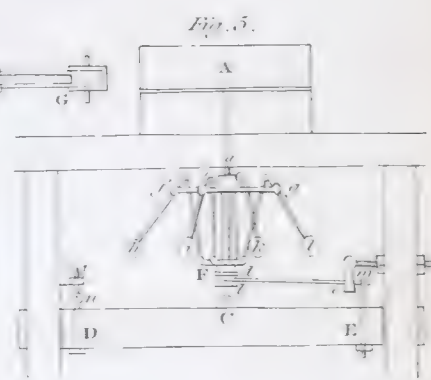
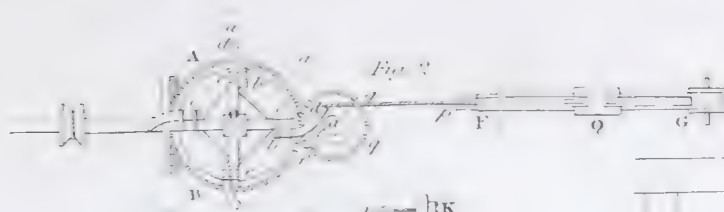
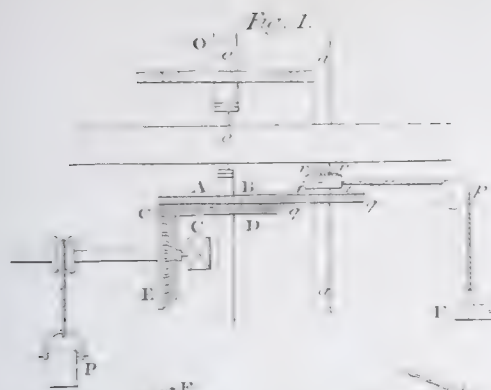


Fig. 3.







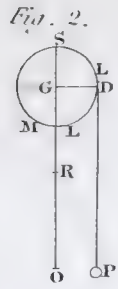


Fig. 6.

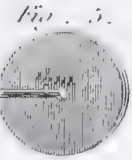
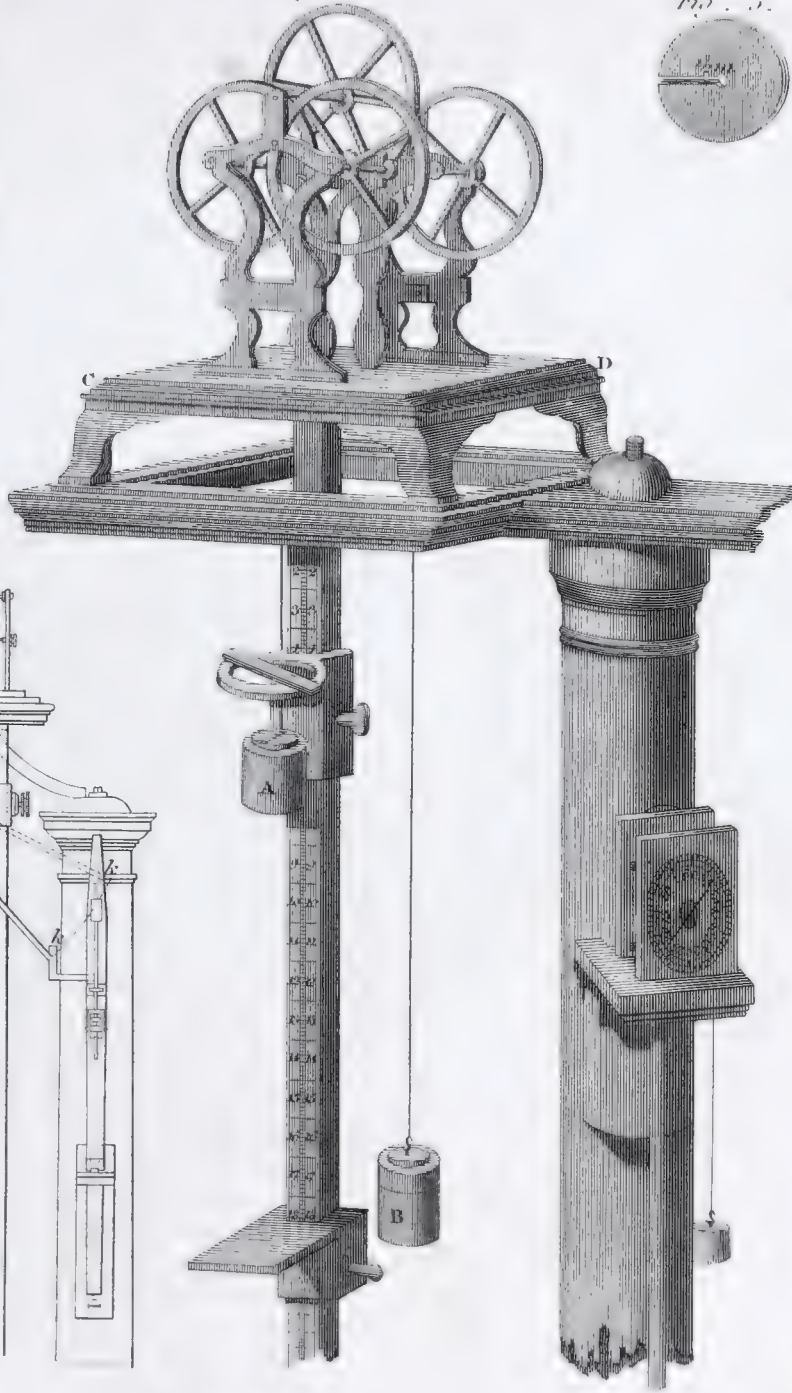


Fig. 7.

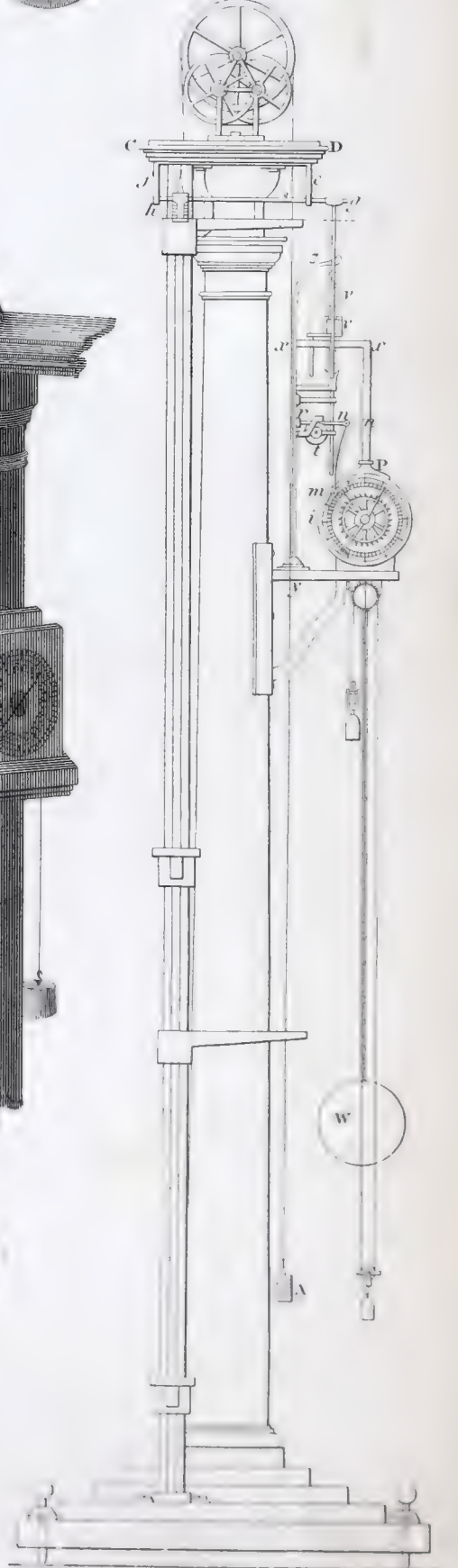


Fig. 1.

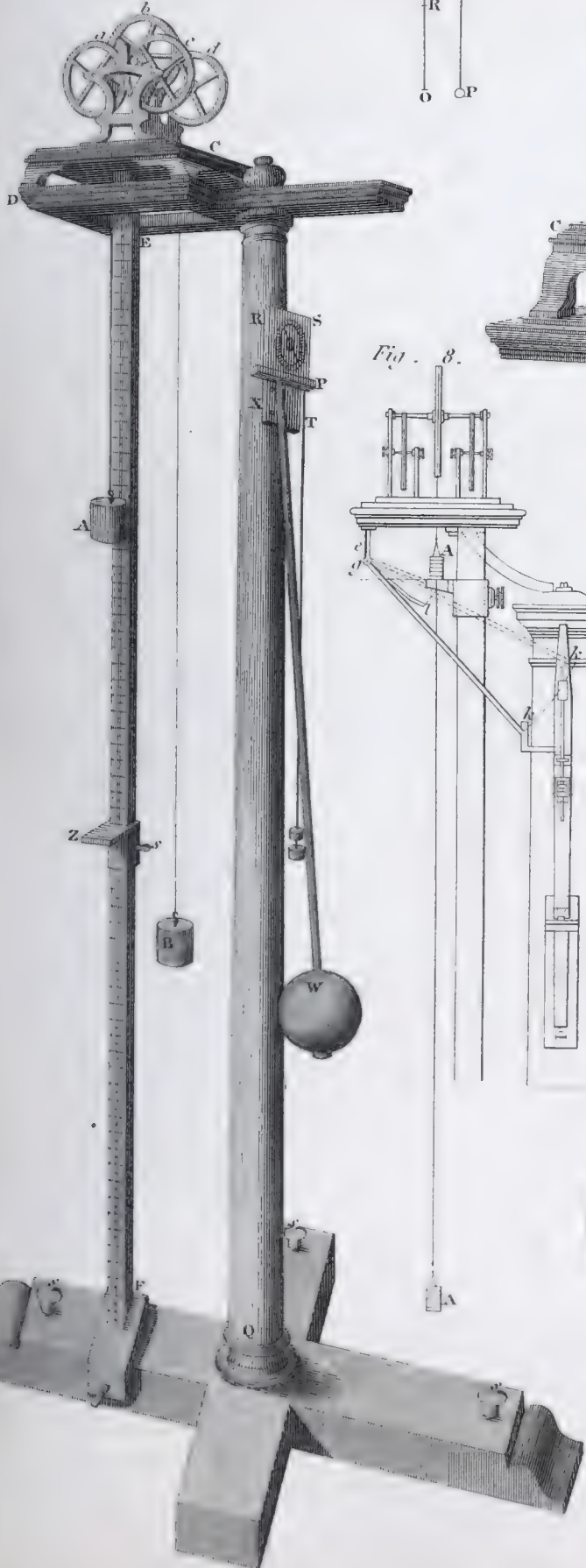


Fig. 8.

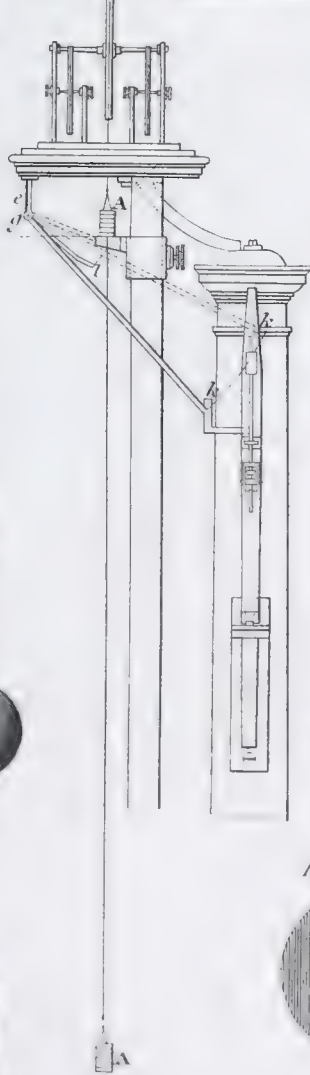


Fig. 3.

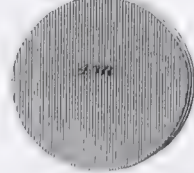


Fig. 4.

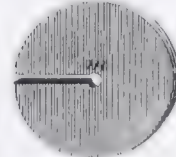


Fig. 9. & 10.





Fig. 7.

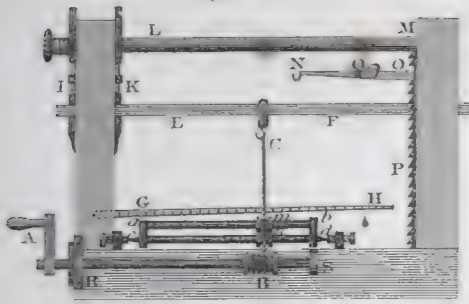


Fig. 1.

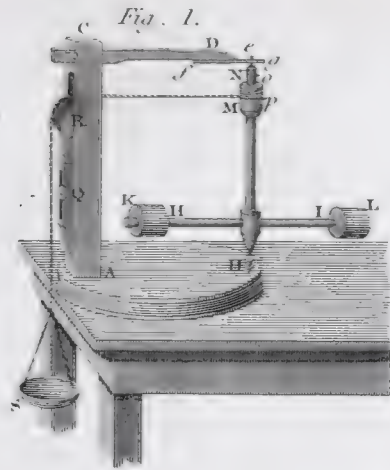


Fig. 5.

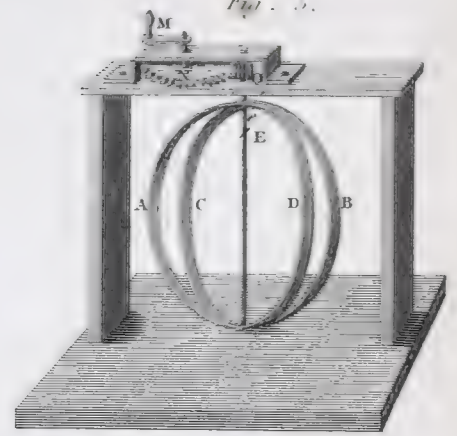


Fig. 4.

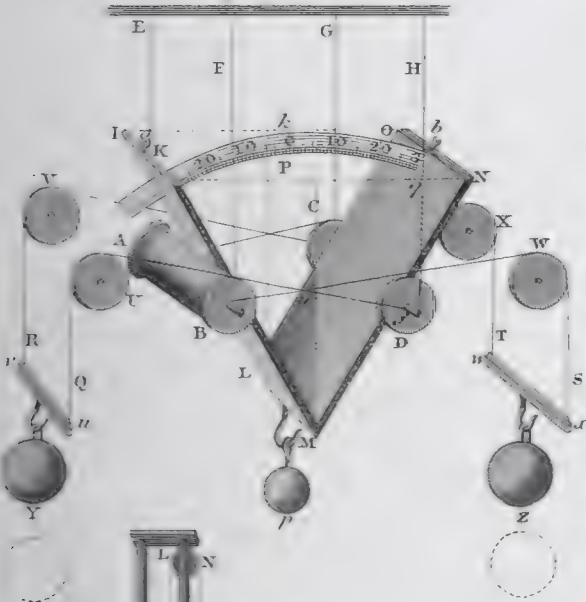


Fig. 3.

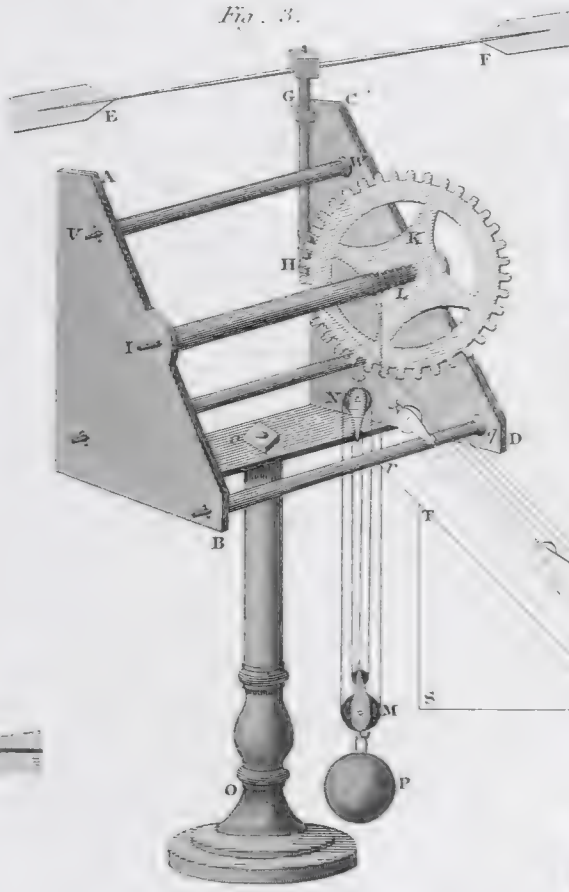


Fig. 6.

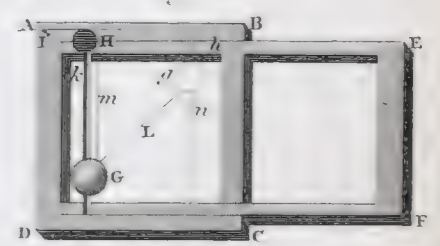


Fig. 2.

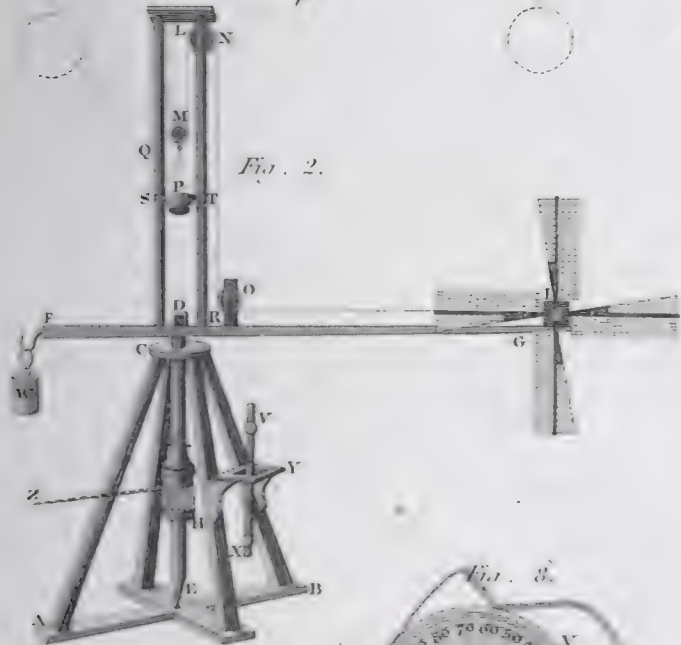


Fig. 1.

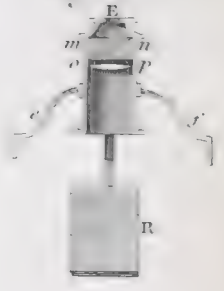


Fig. 10.

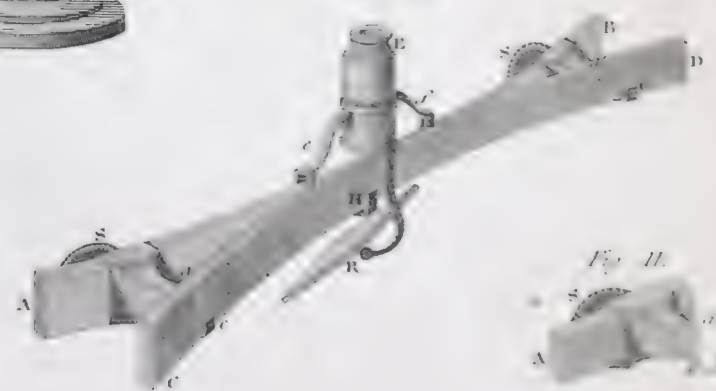
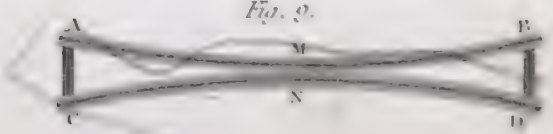


Fig. 11.



Fig. 9.





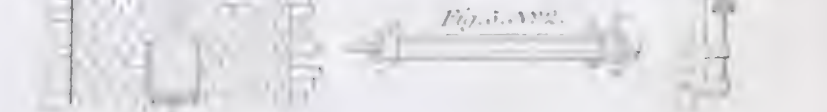
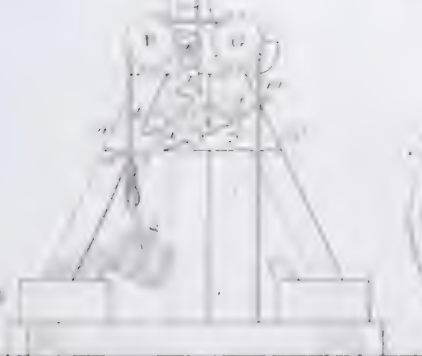
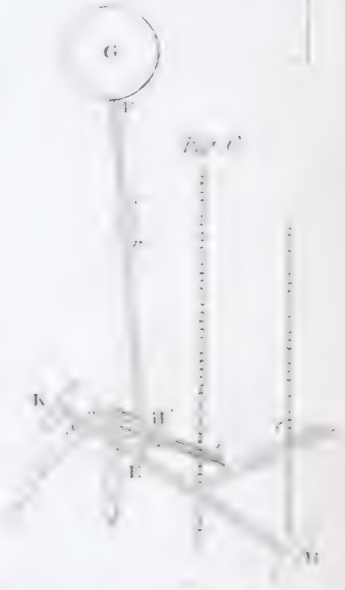
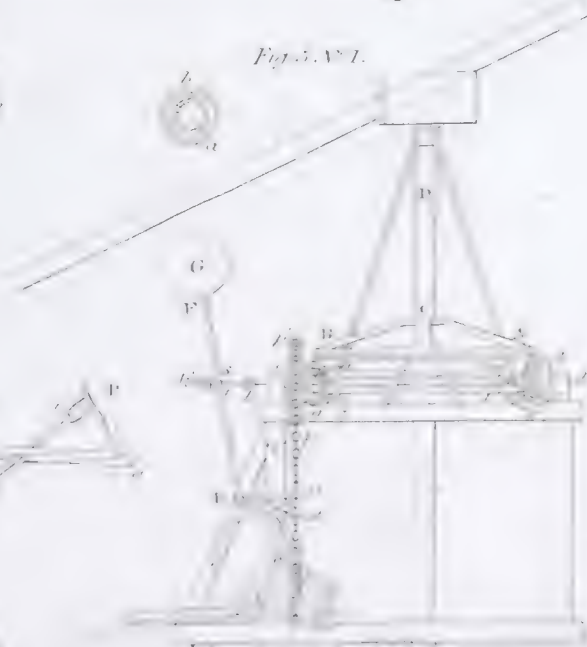
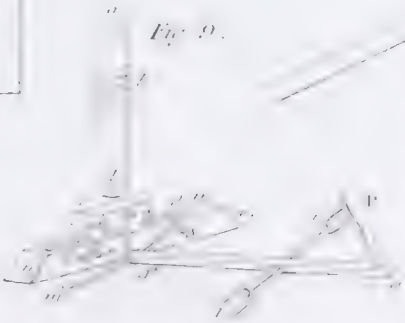
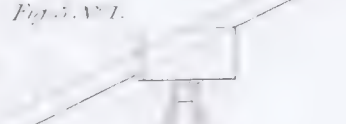
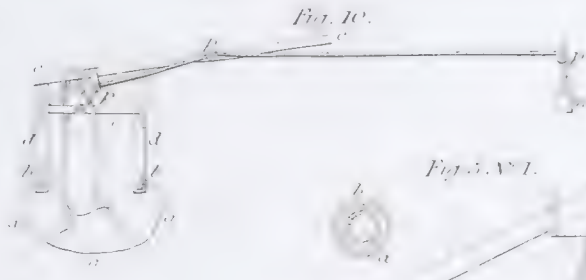
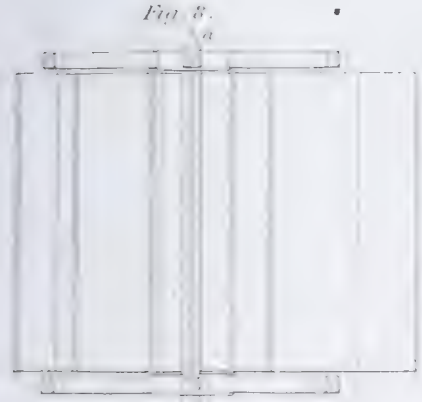
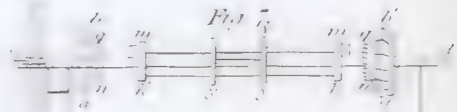
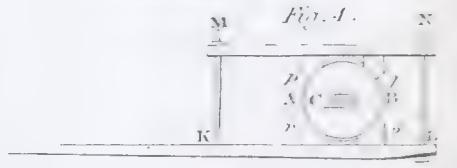
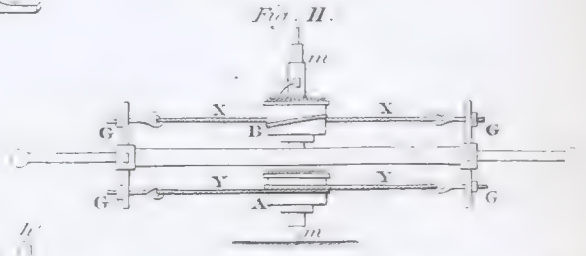
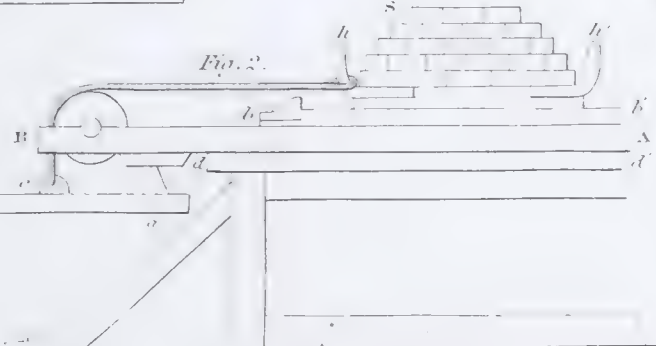
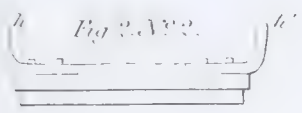
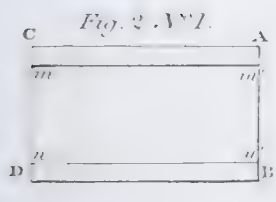
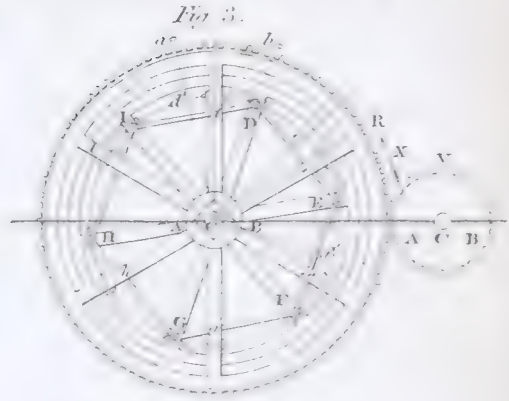
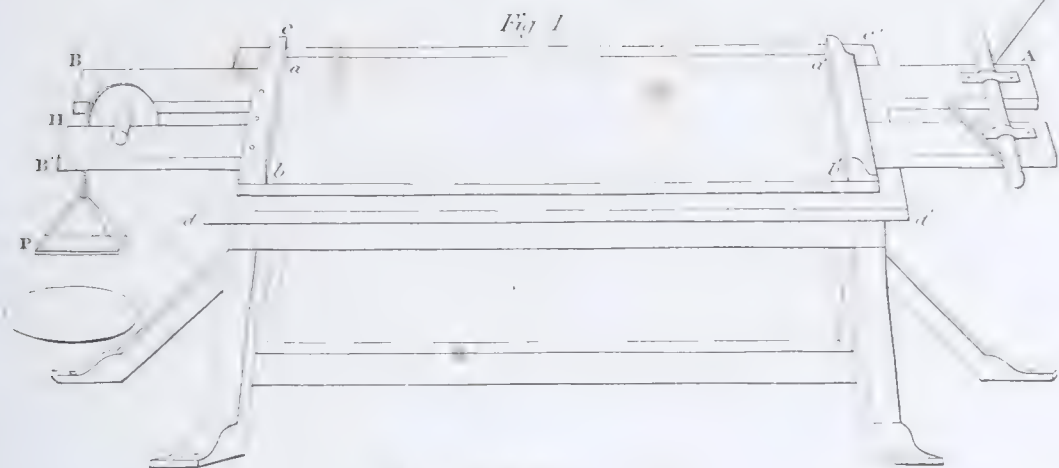


Fig. 2.

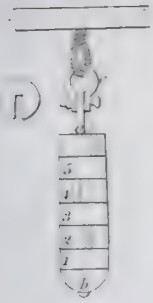


Fig. 3.

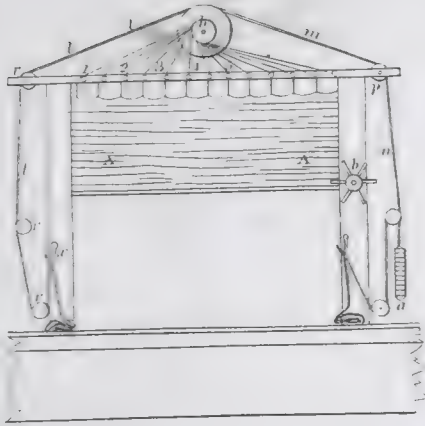


Fig. 4.

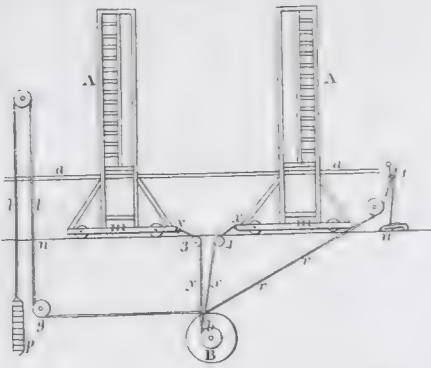


Fig. 5.

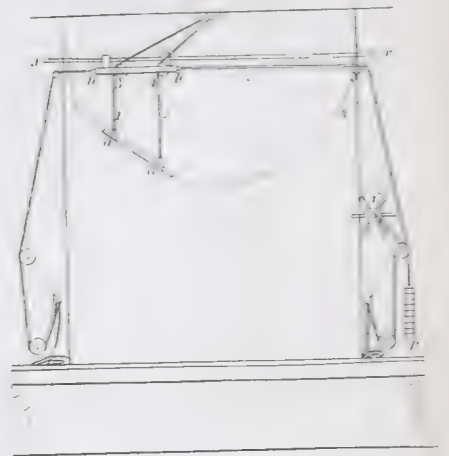


Fig. 1.

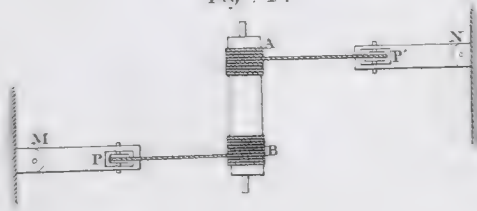


Fig. 8.

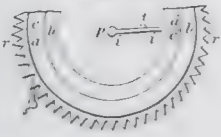


Fig. 6.

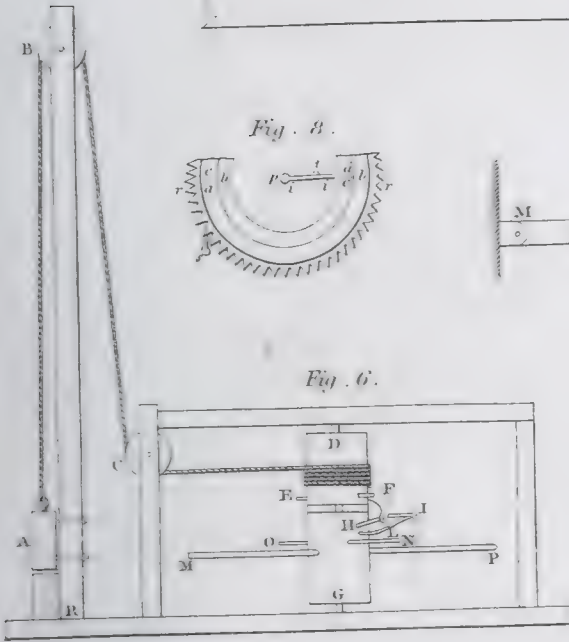


Fig. 11.

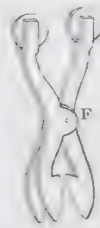


Fig. 7.

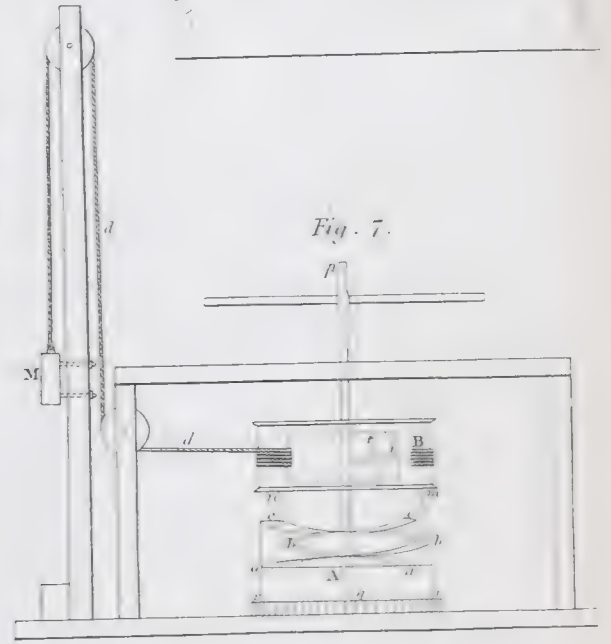


Fig. 10.

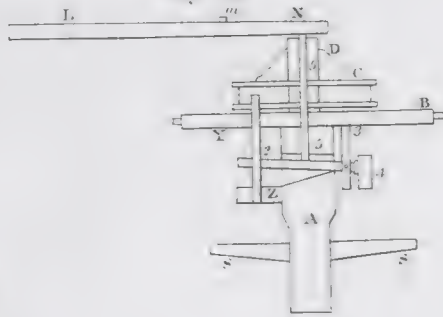


Fig. 9.

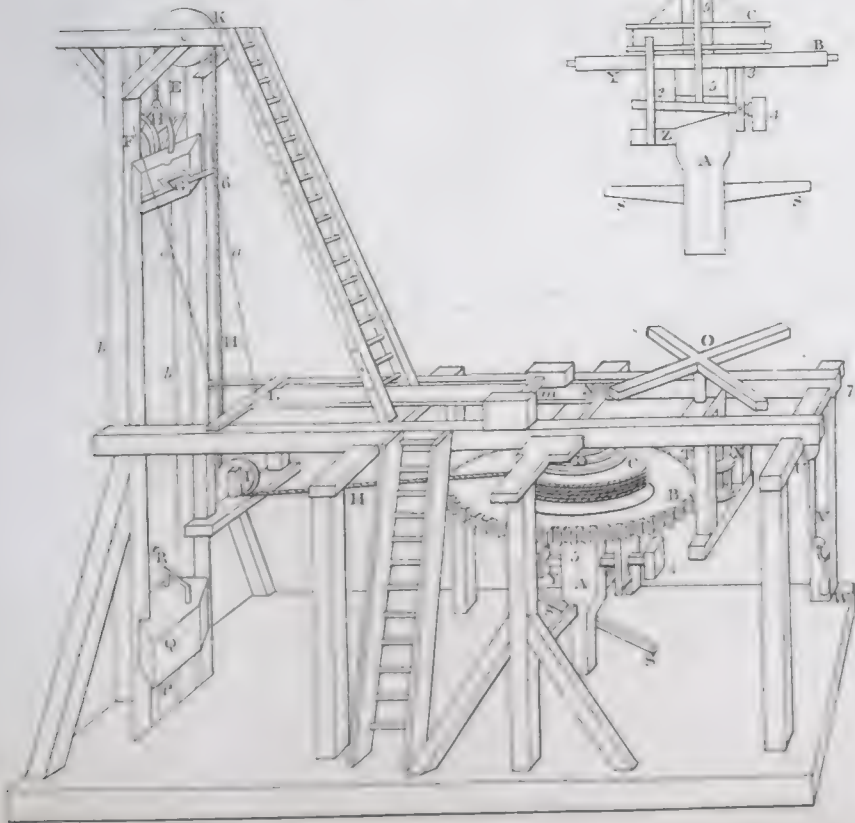


Fig. 12.

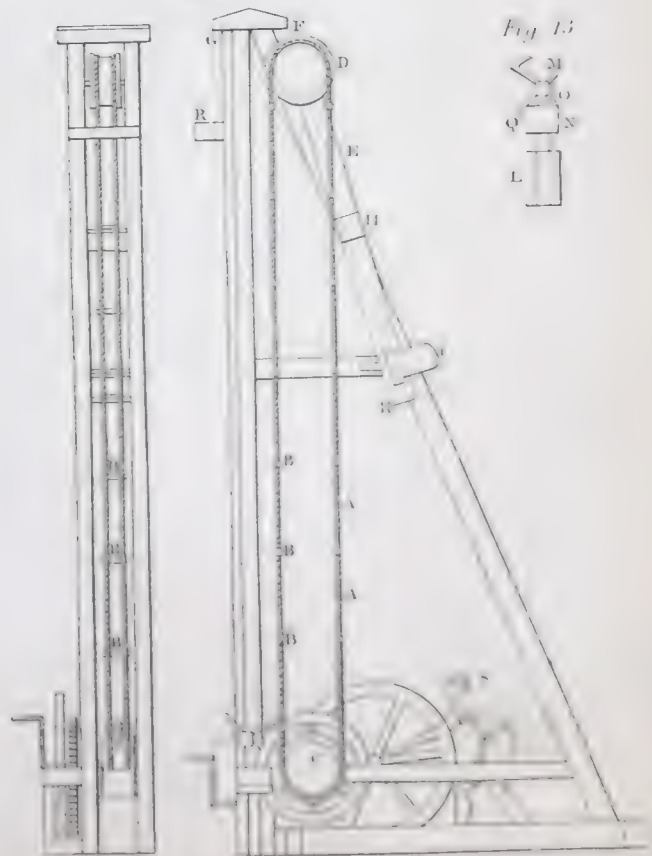
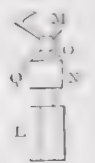
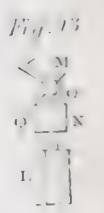
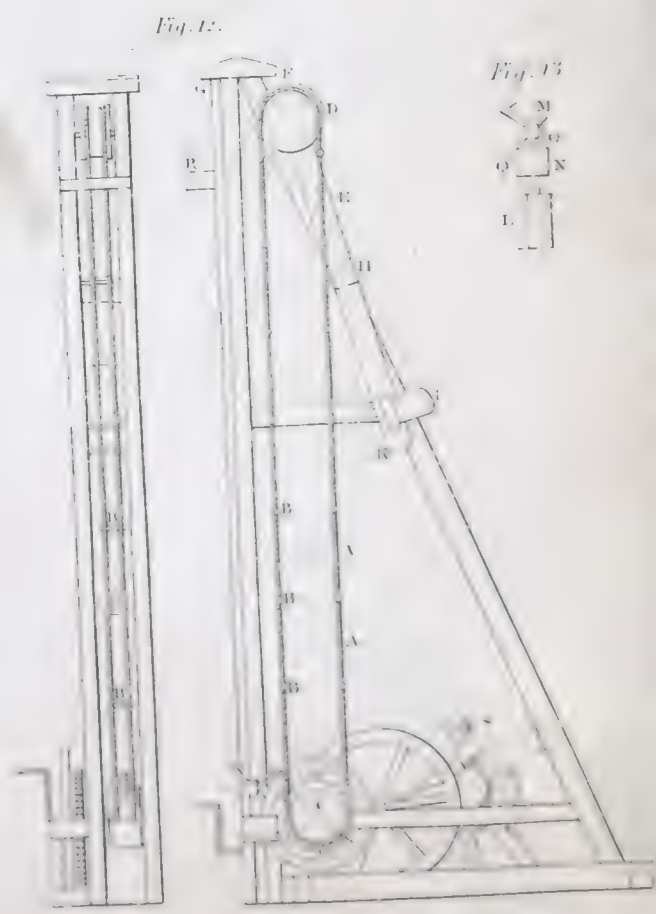
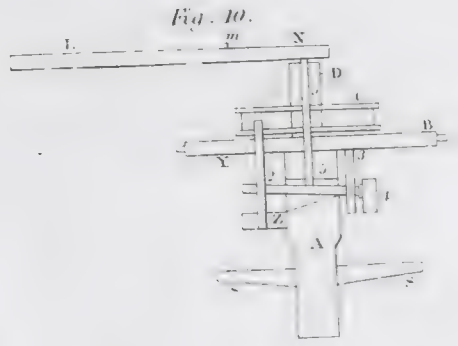
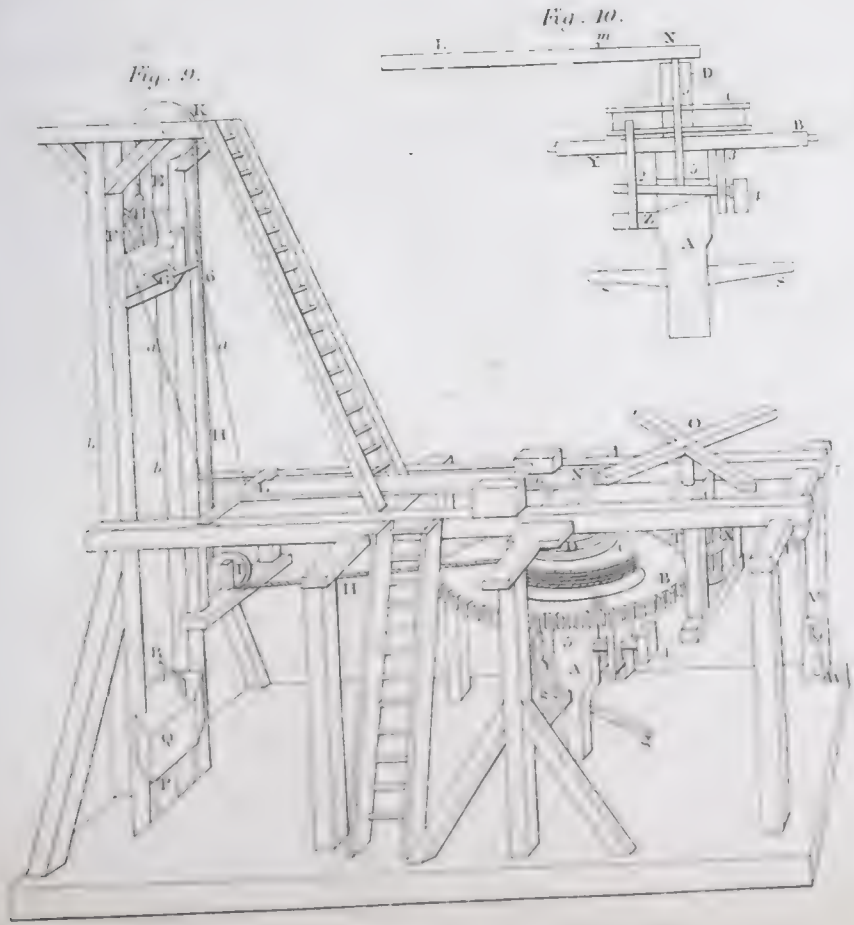
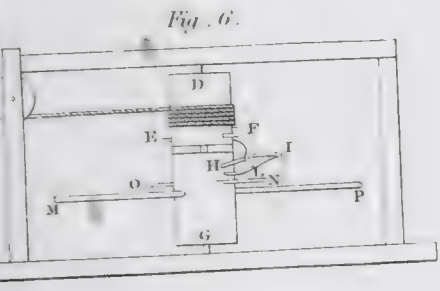
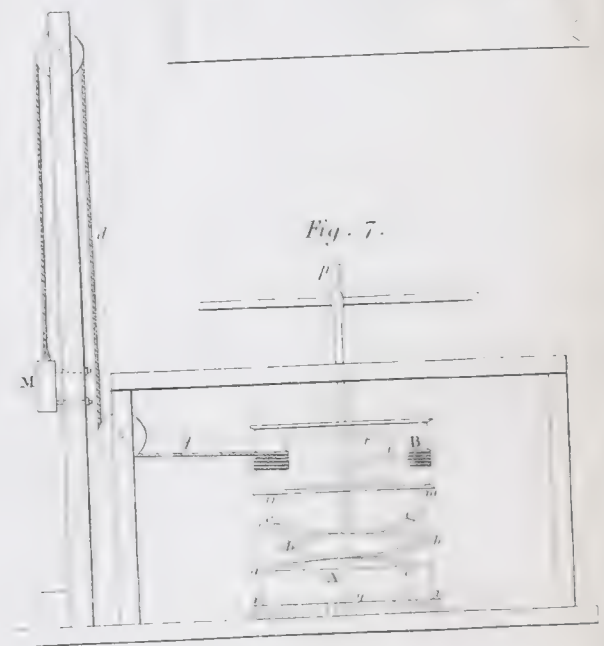
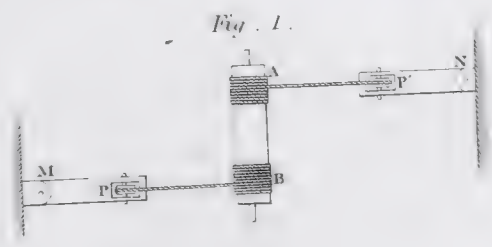
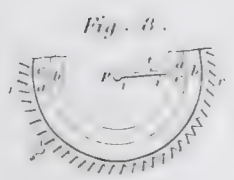
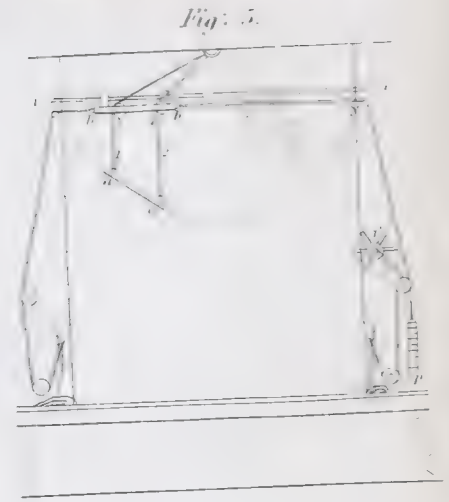
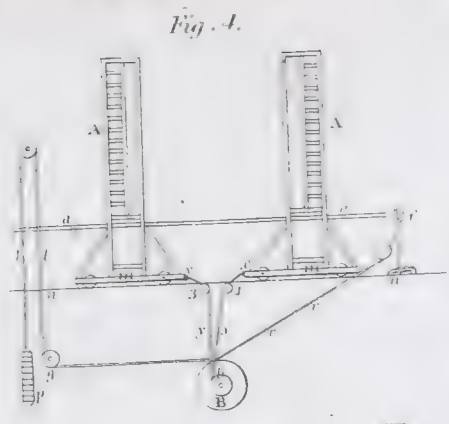
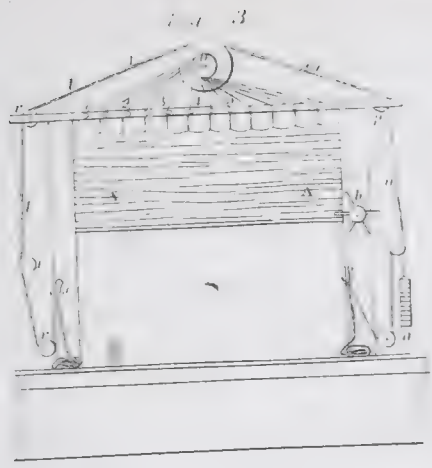
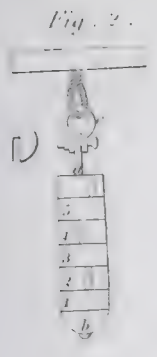
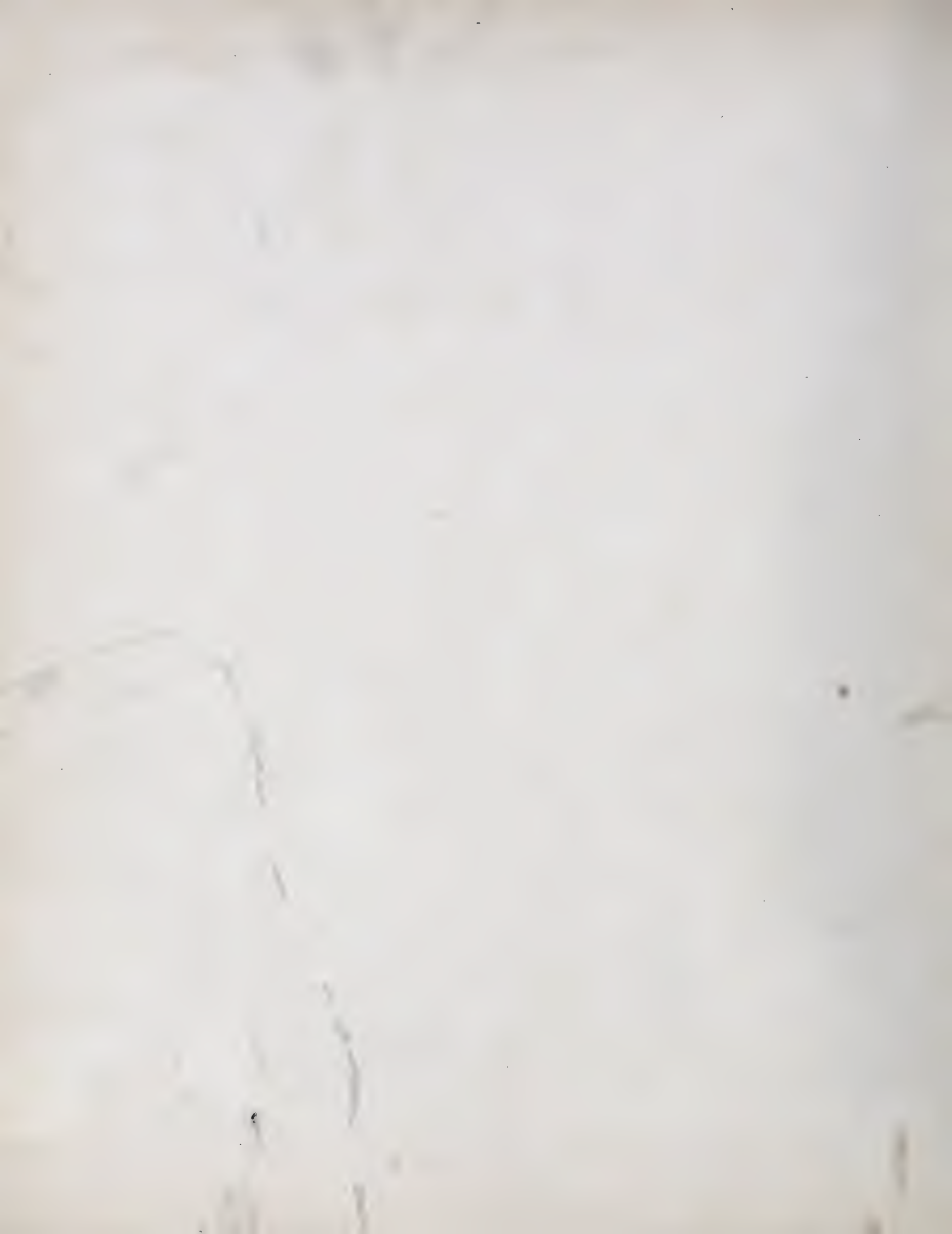


Fig. 13.







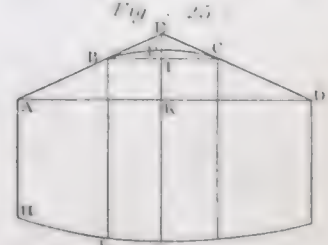
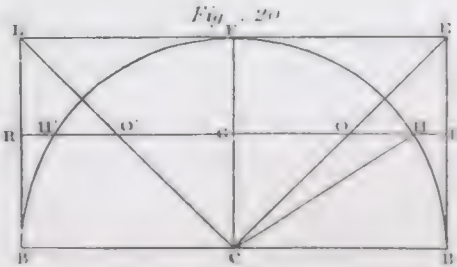
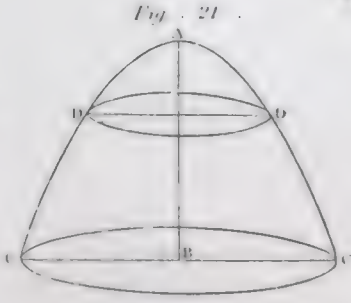
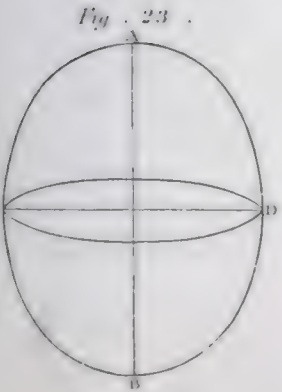
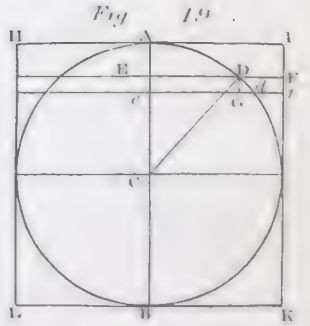
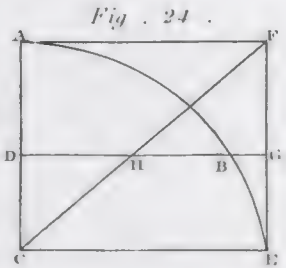
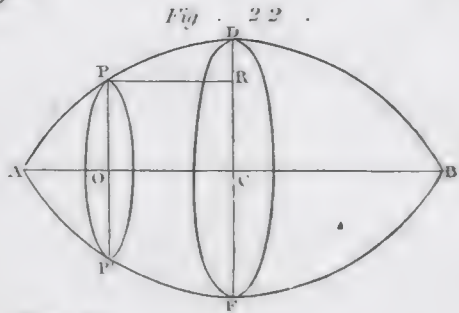
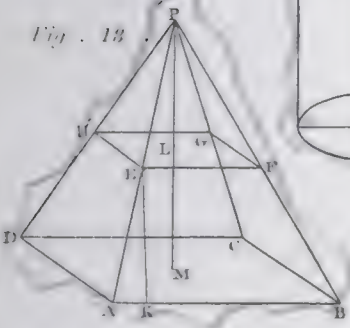
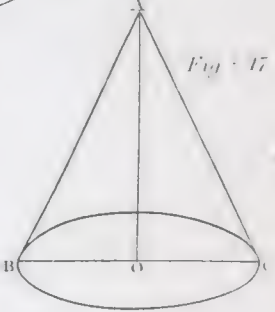
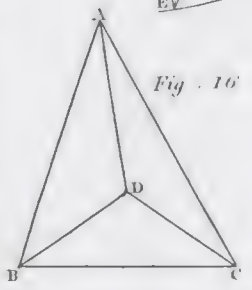
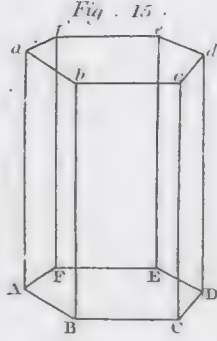
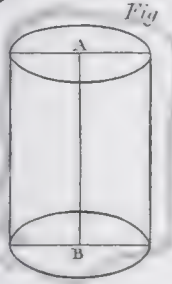
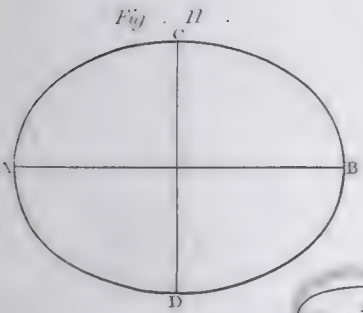
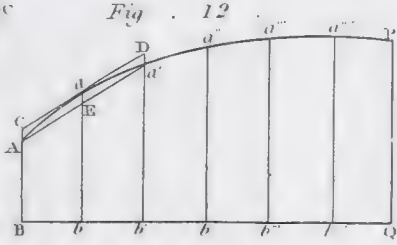
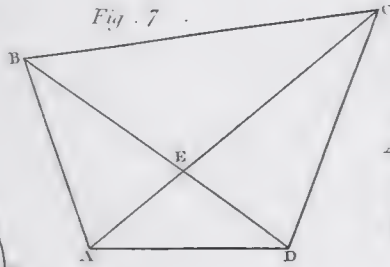
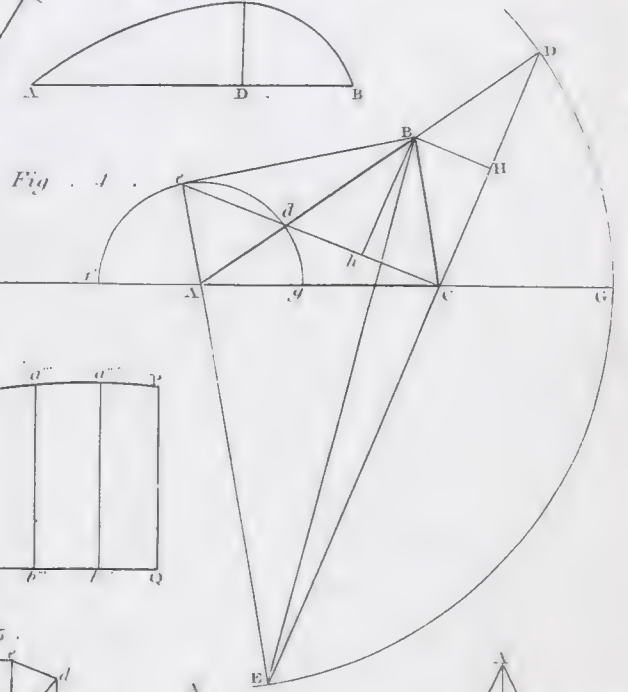
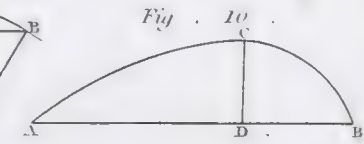
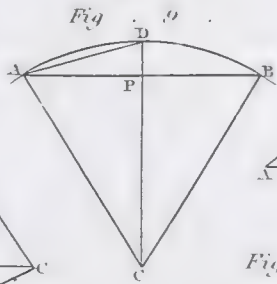
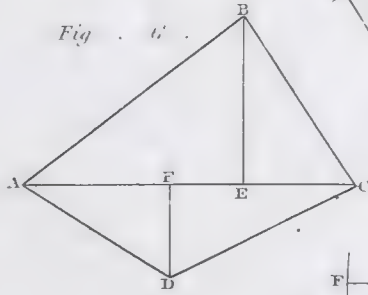
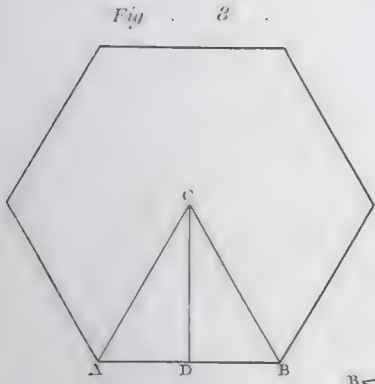
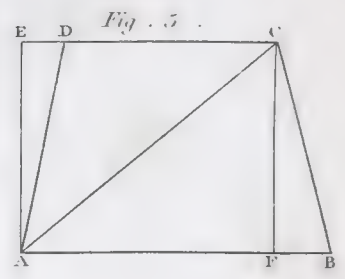
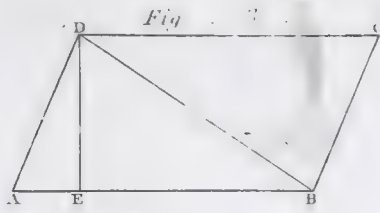
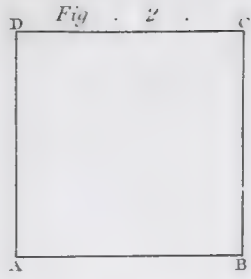
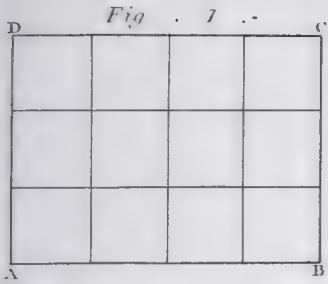


Fig. 1.

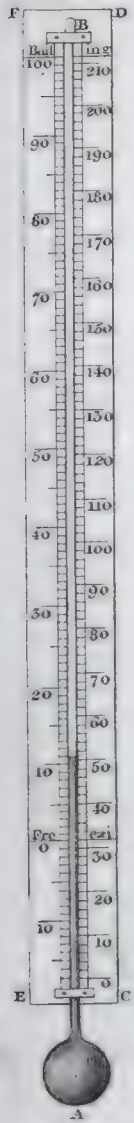


Fig. 2.

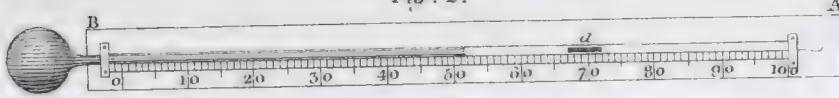


Fig. 3.

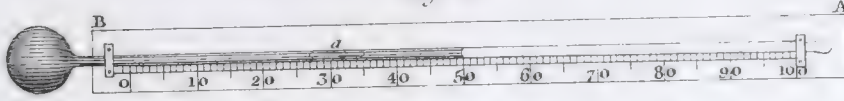


Fig. 5.

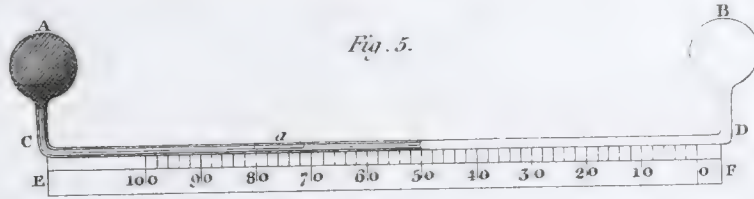


Fig. 6.

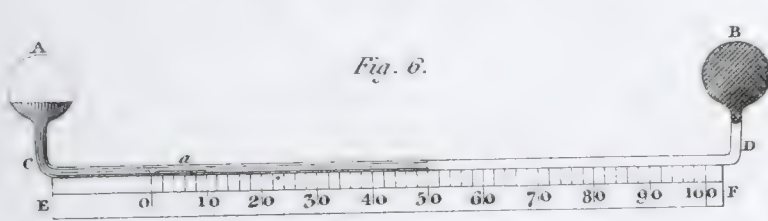


Fig. 9.

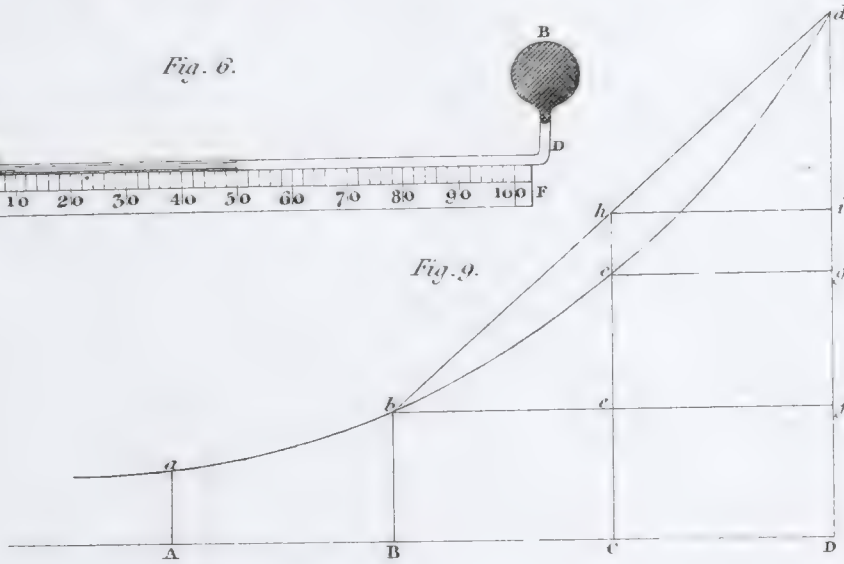


Fig. 4.

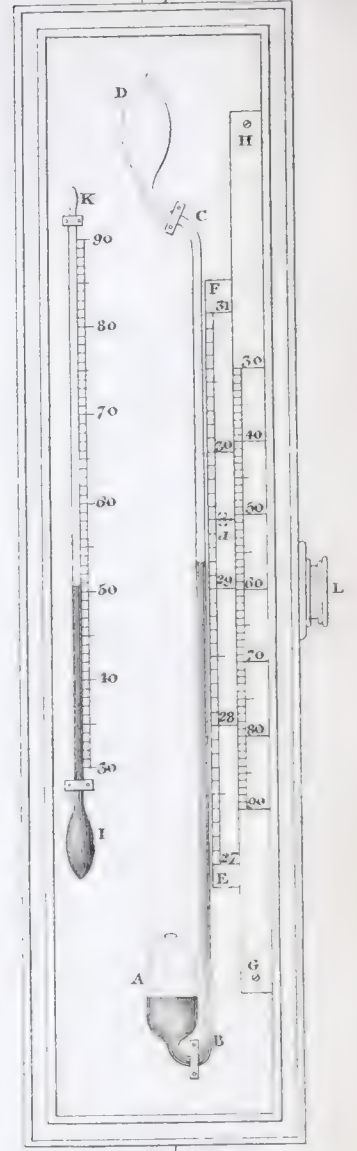


Fig. 8.

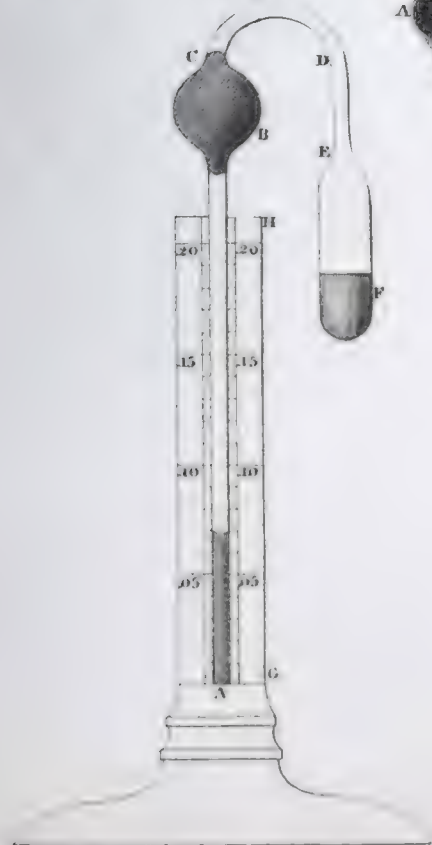
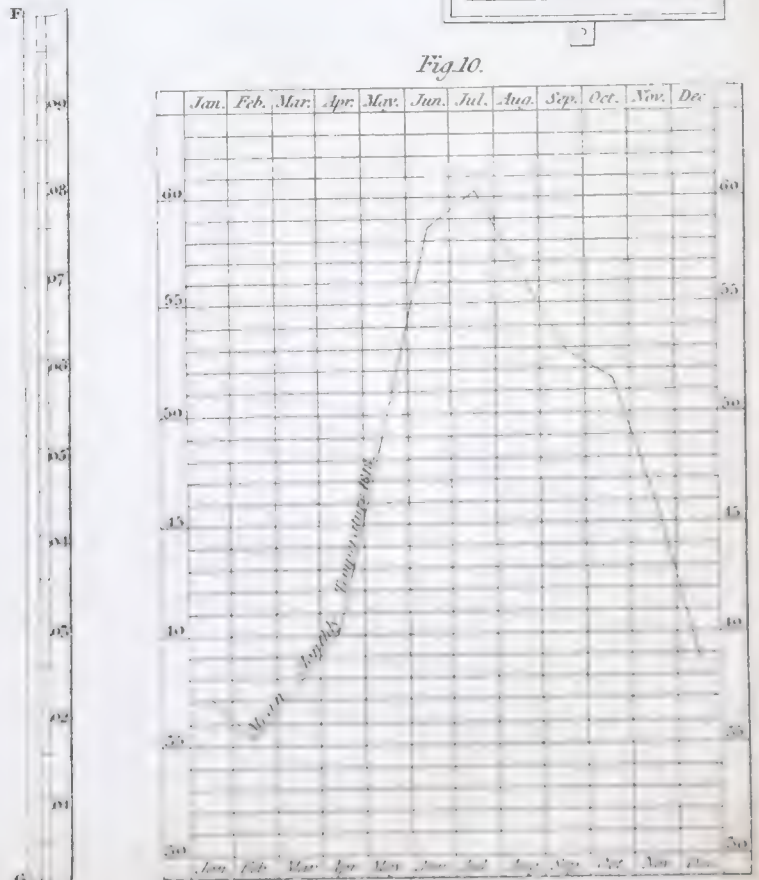
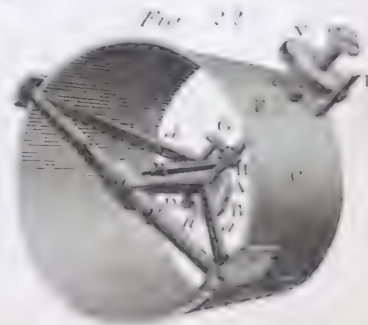
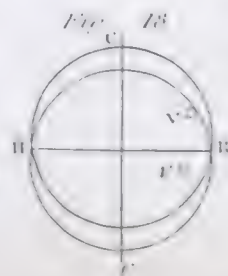
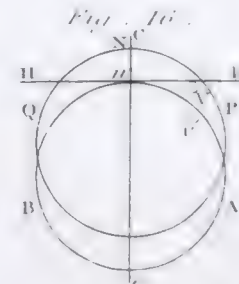
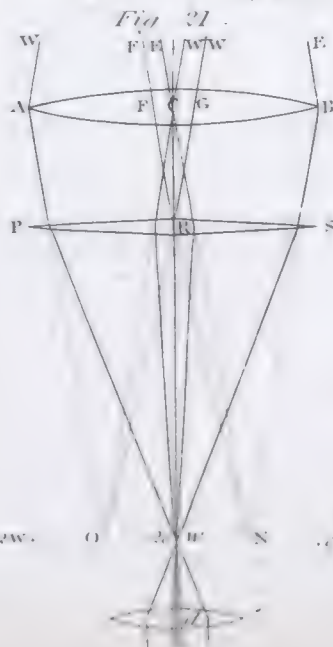
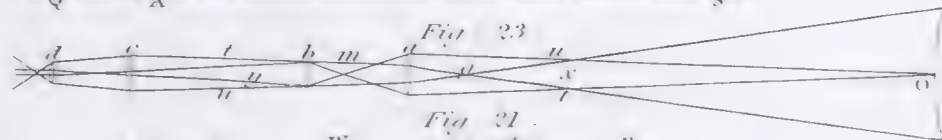
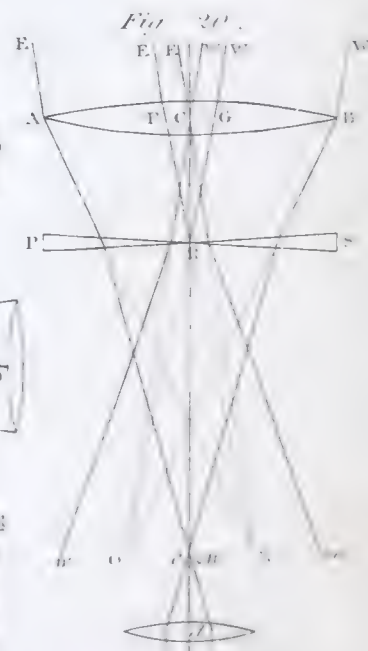
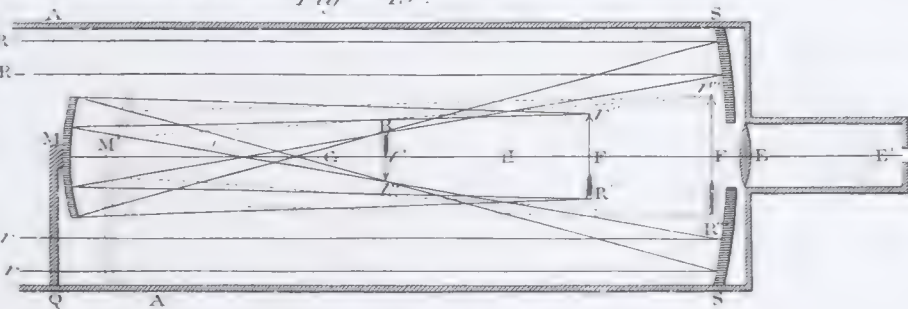
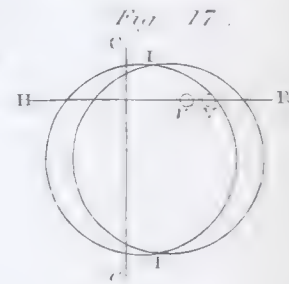
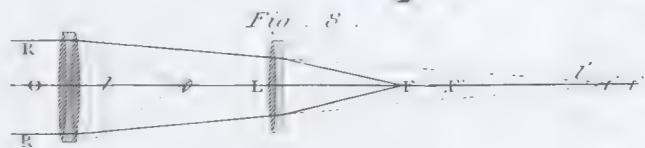
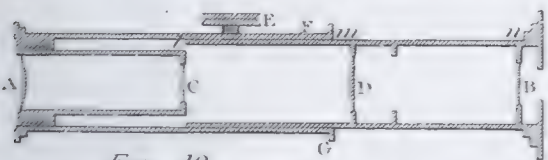
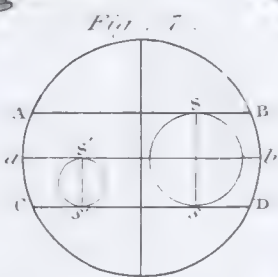
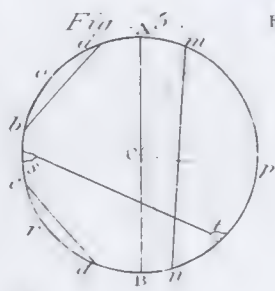
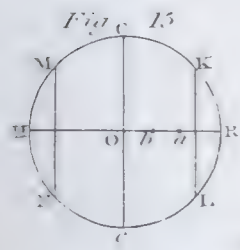
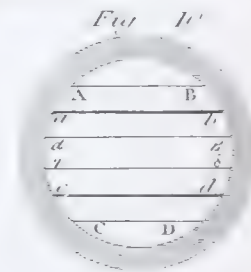
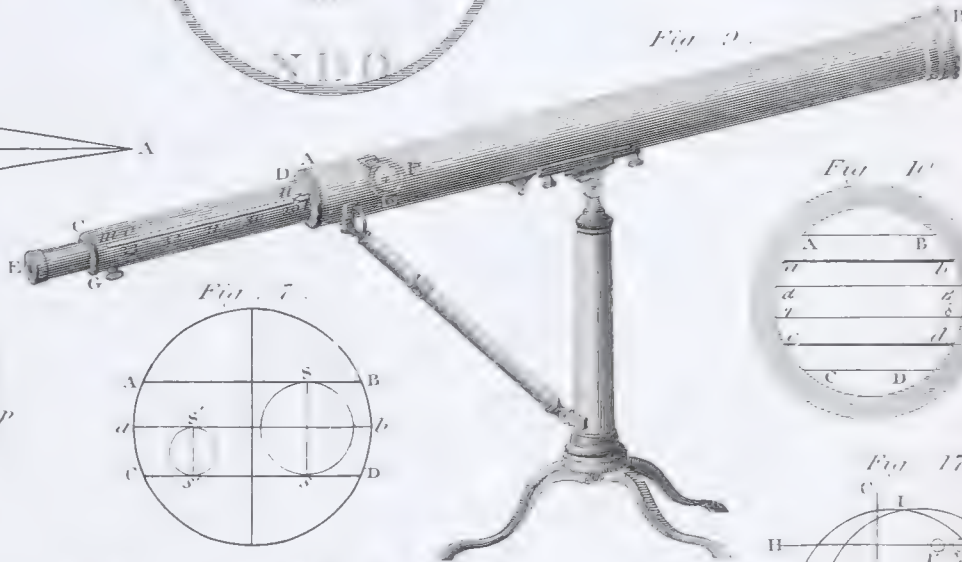
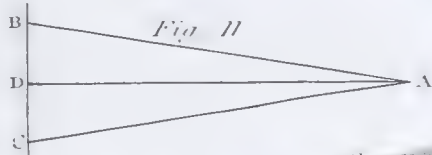
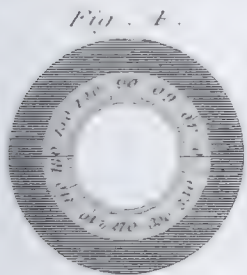
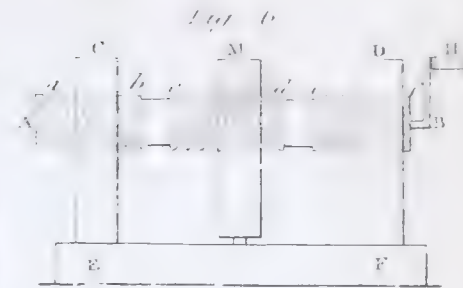
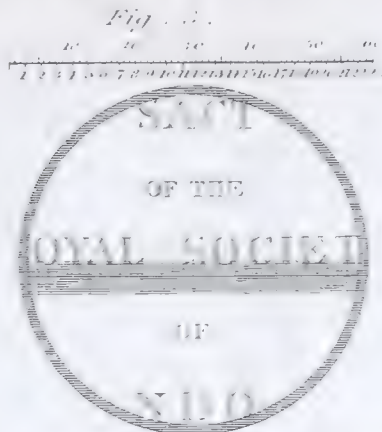
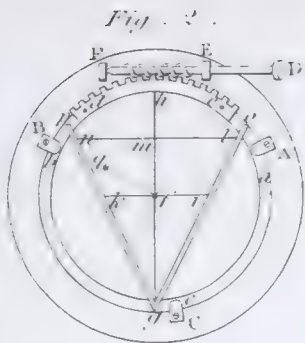
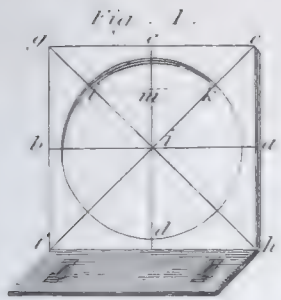


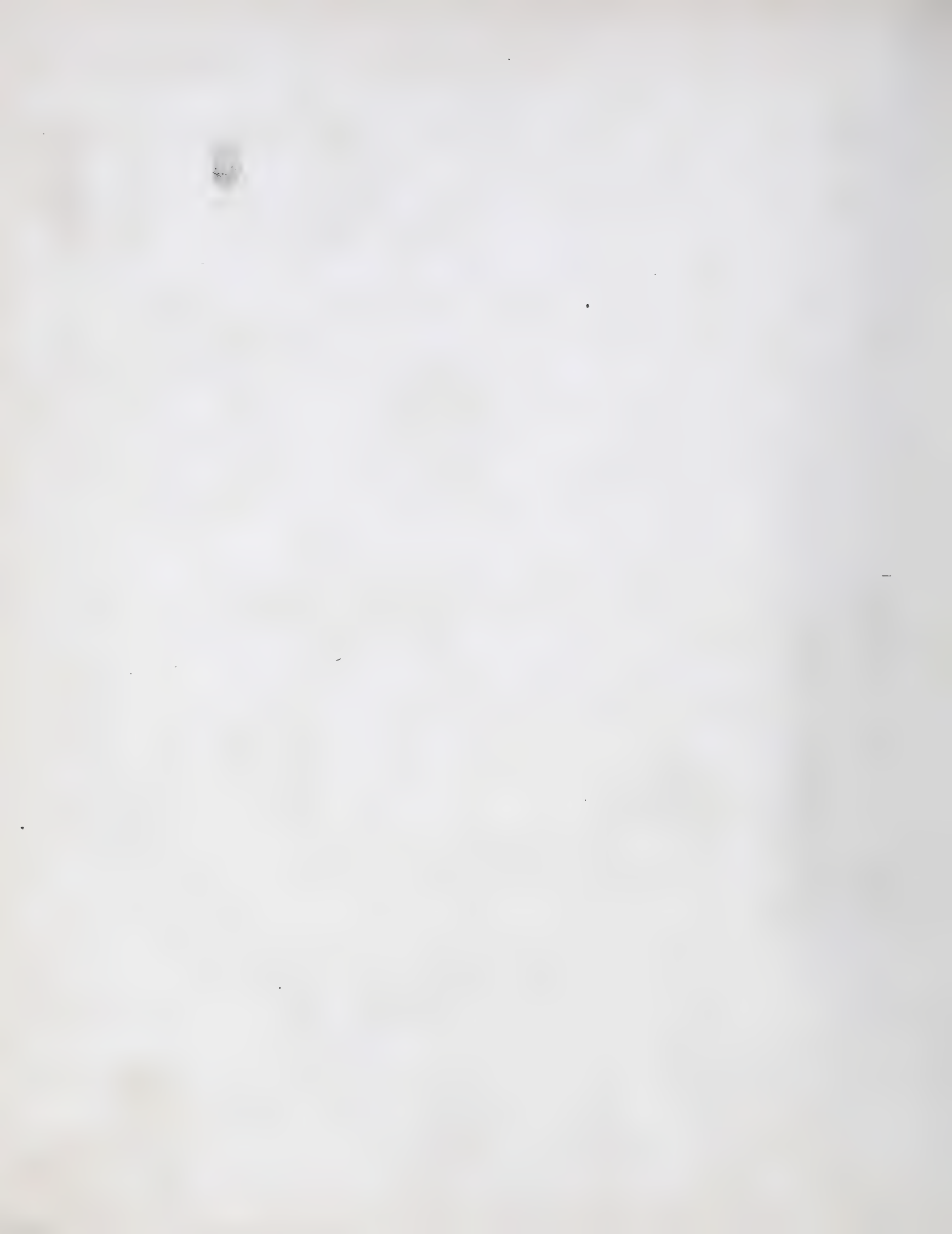
Fig. 7.



Fig. 10.







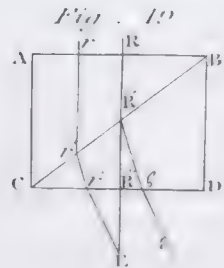
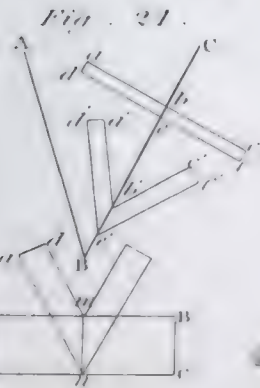
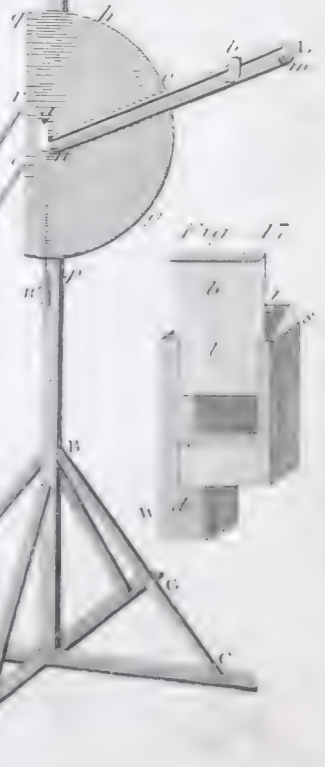
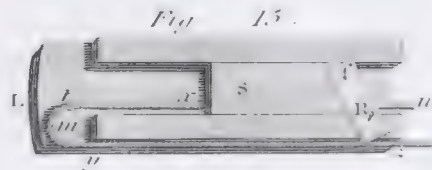
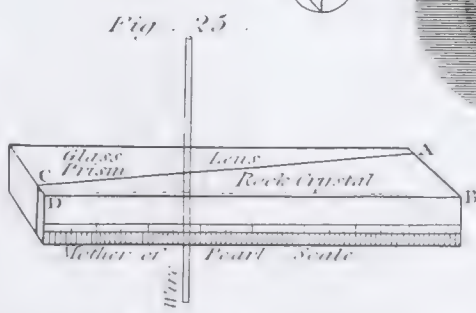
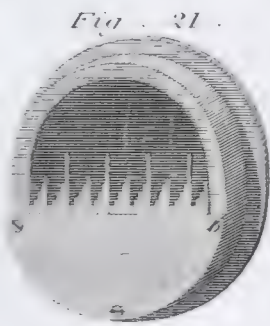
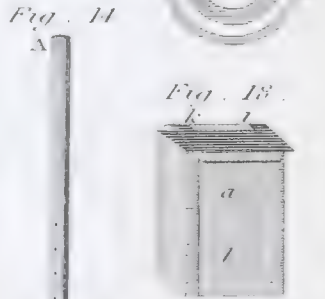
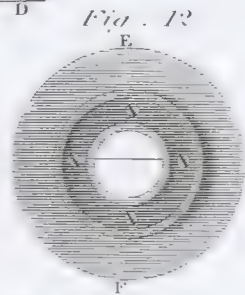
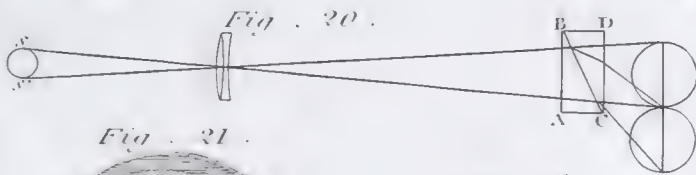
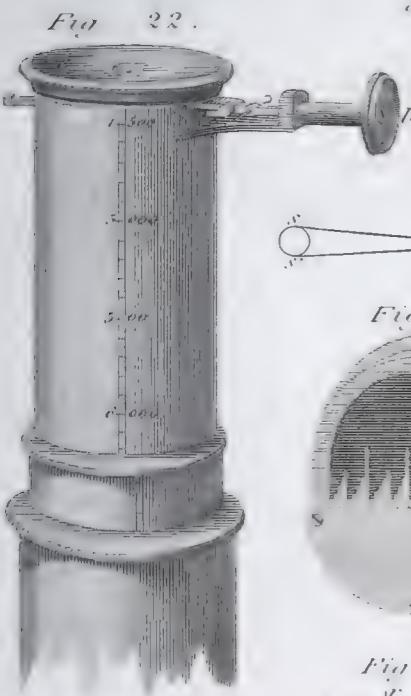
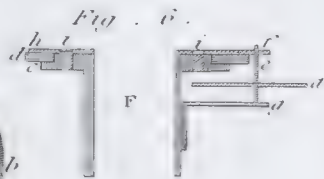
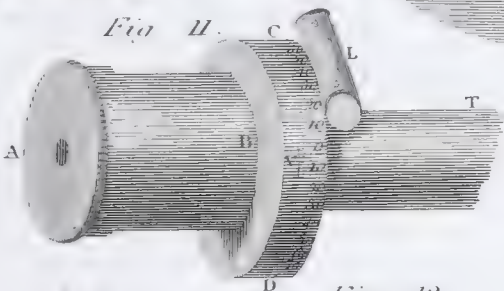
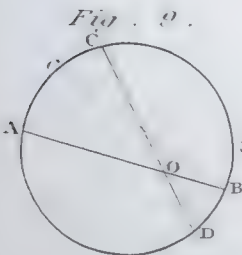
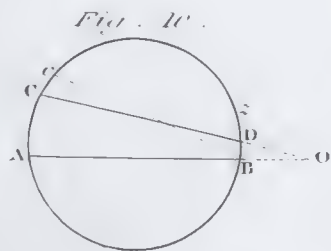
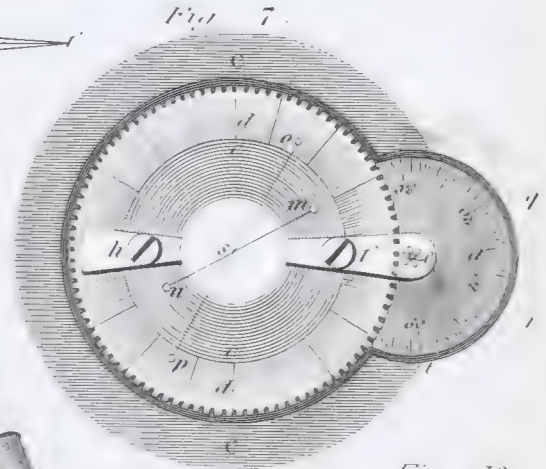
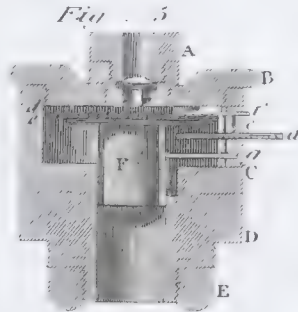
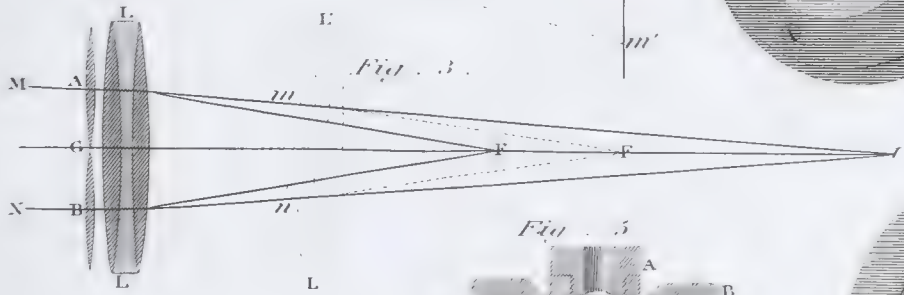
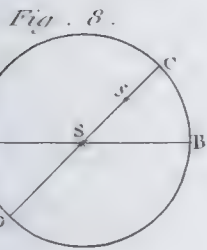
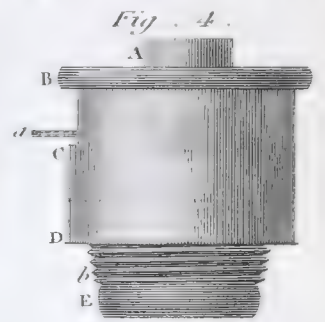
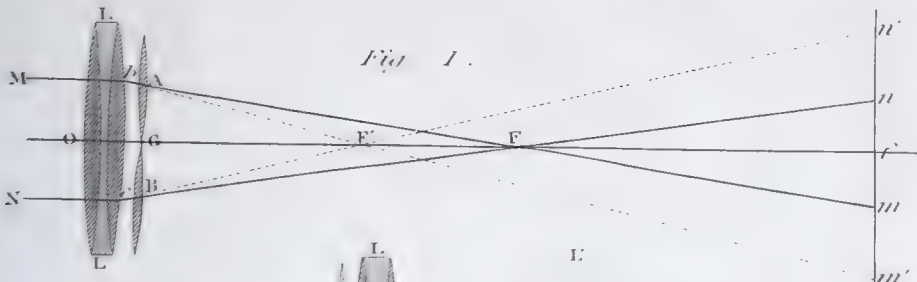




Fig. 1.



Fig. 2.

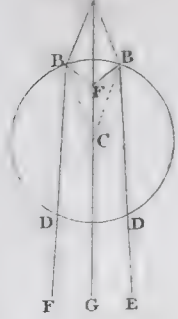


Fig. 3. Fig. 12.

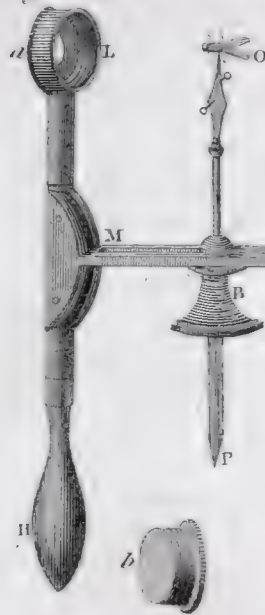
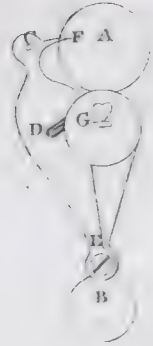


Fig. 8.

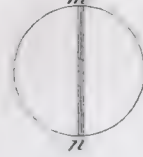


Fig. 9.

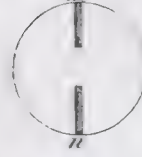


Fig. 4.

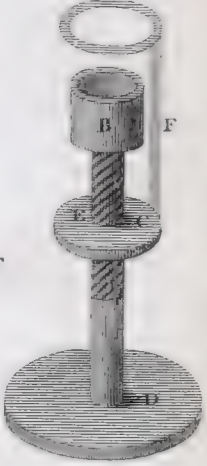


Fig. 6.

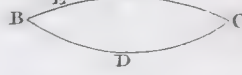


Fig. 11.

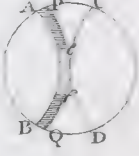


Fig. 5.

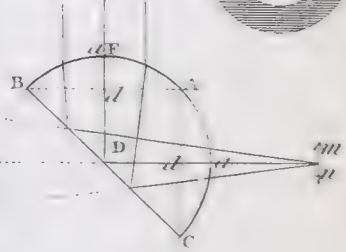


Fig. 14.

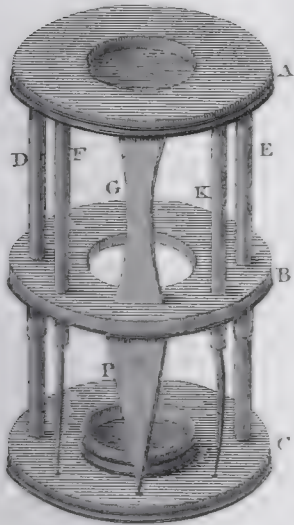


Fig. 7.

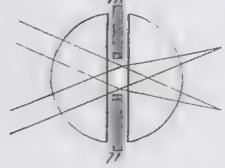


Fig. 16.

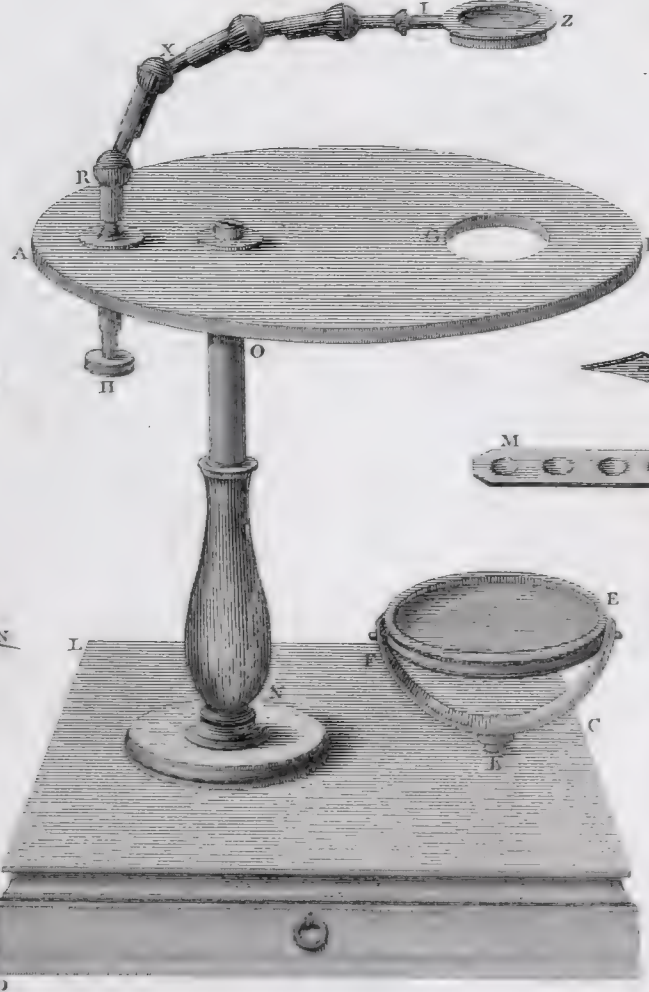


Fig. 15.



Fig. 17.

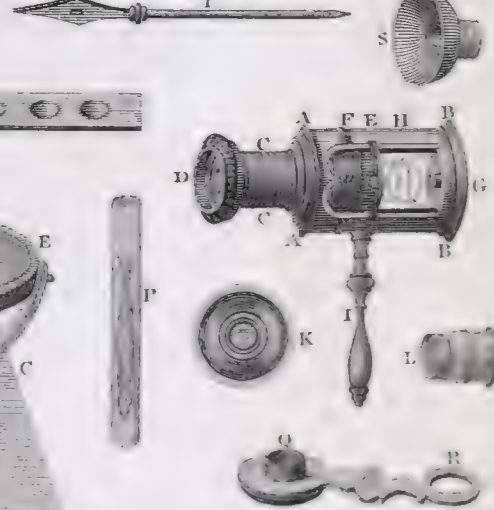
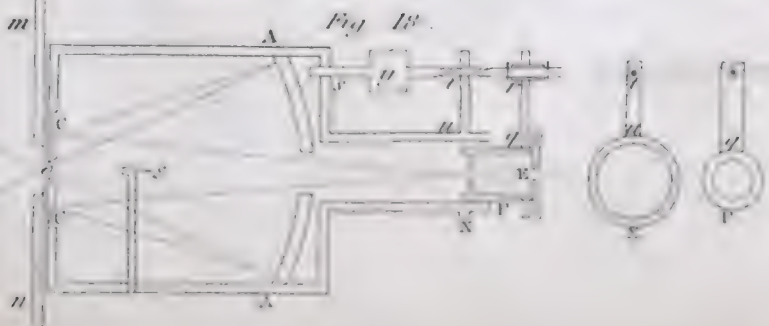


Fig. 13.



Fig. 18.



W. A. B. B. B.



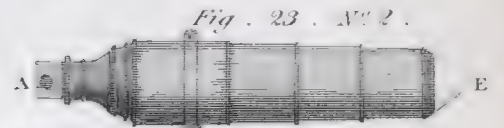
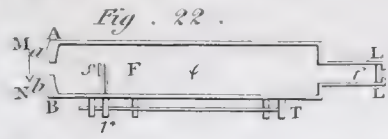
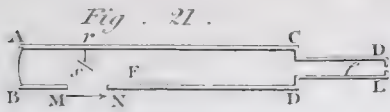


Fig. 19.

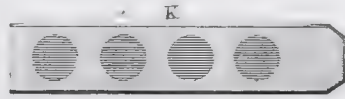
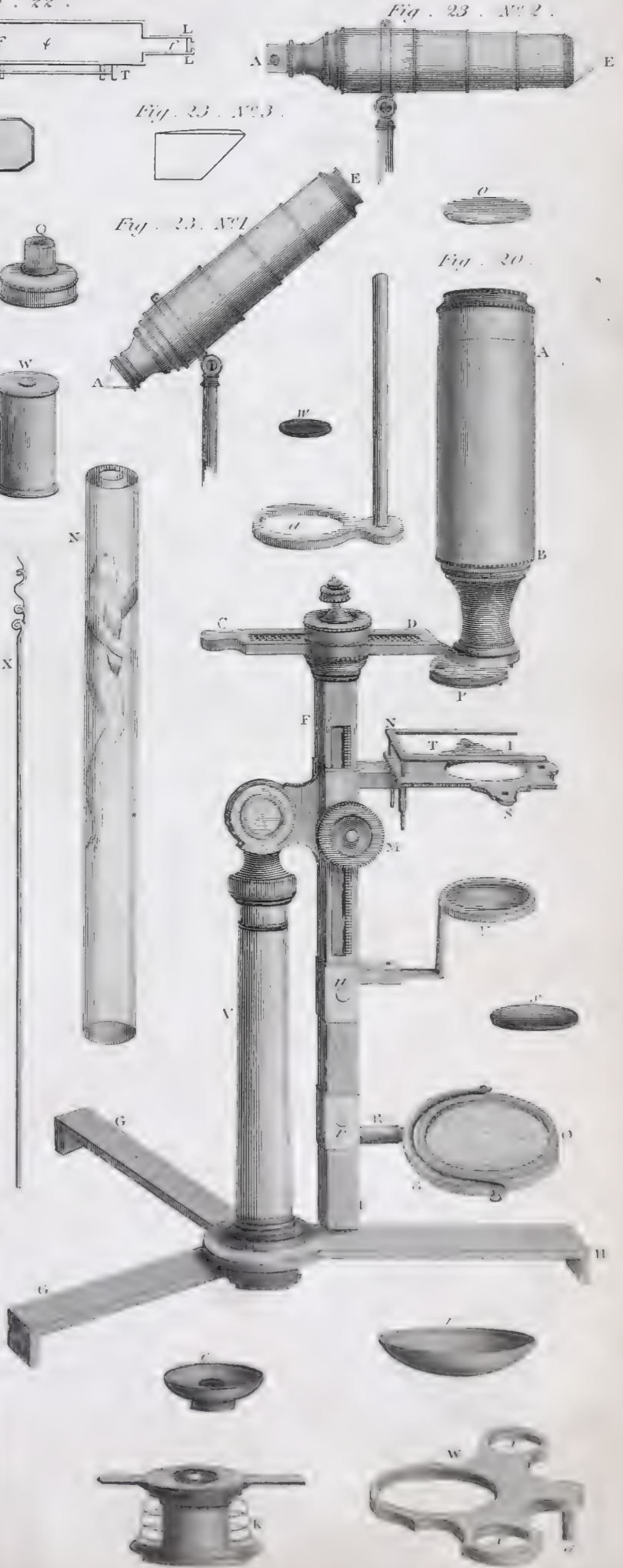
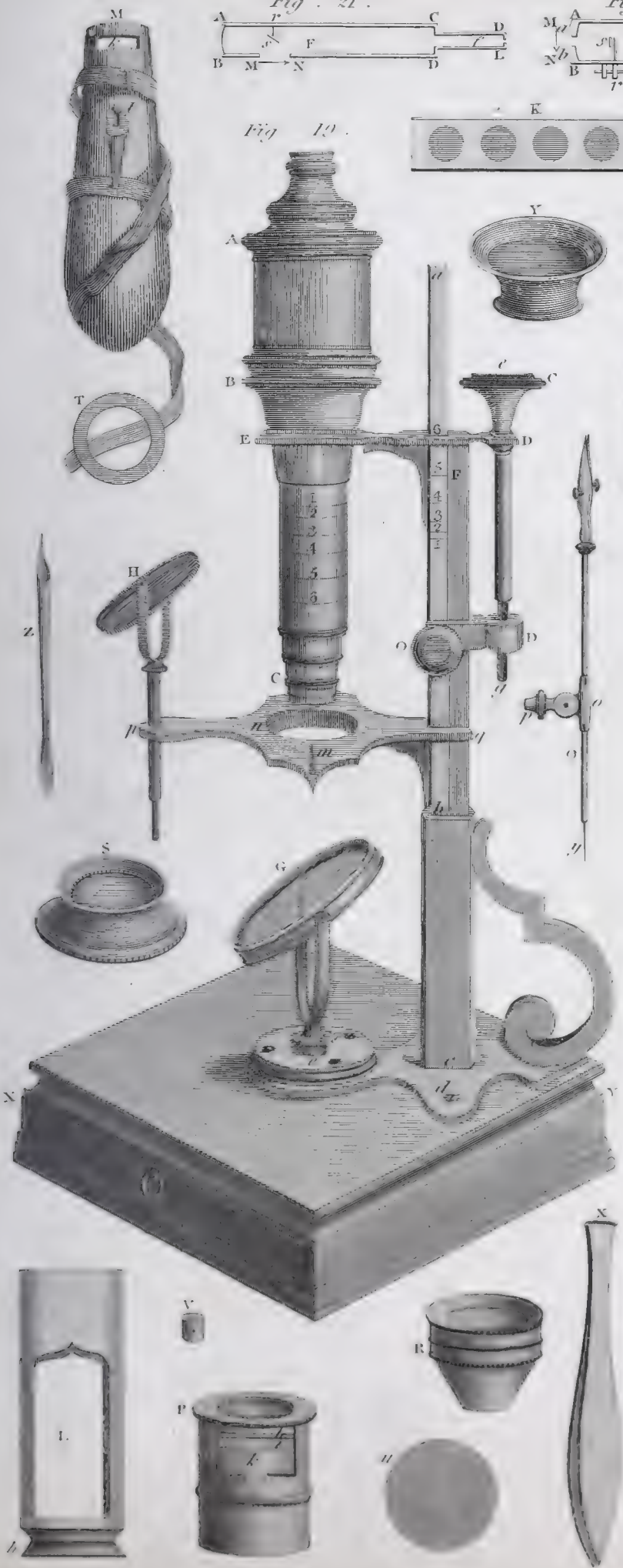


Fig. 23. N^o 3.



Fig. 23. N^o 1.

Fig. 20.





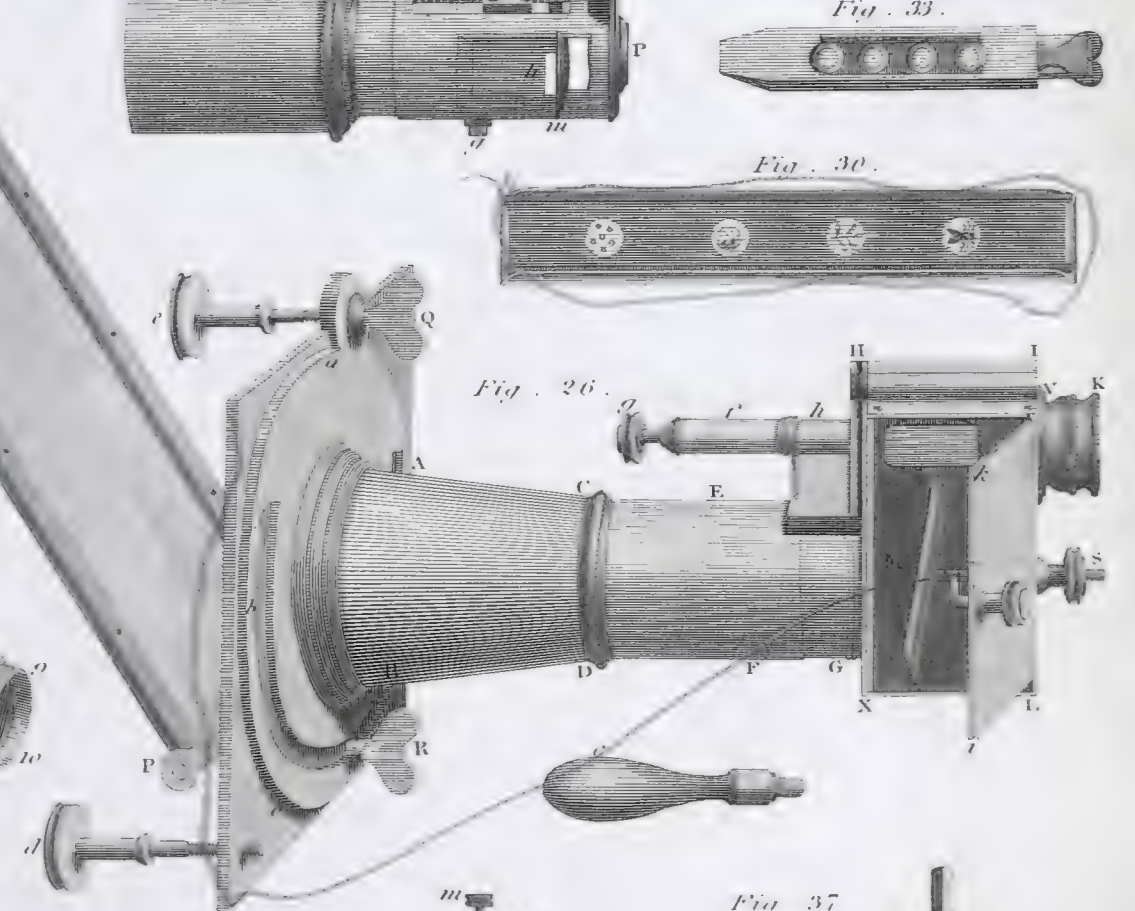
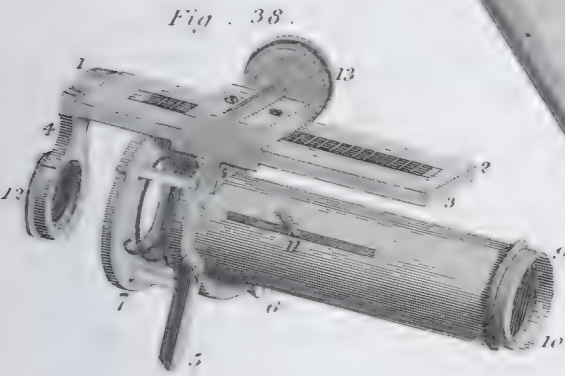
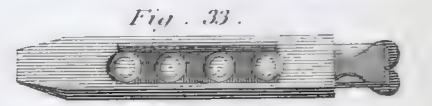
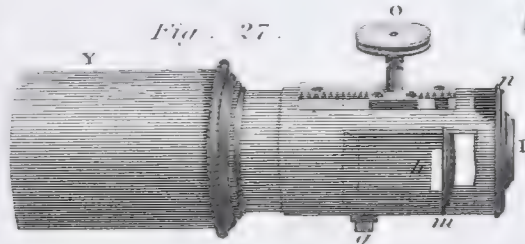
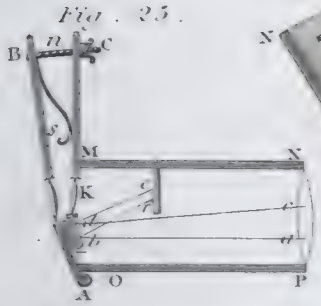
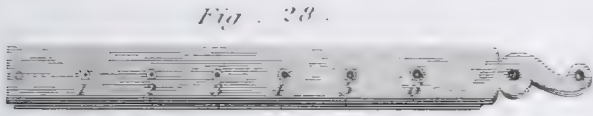
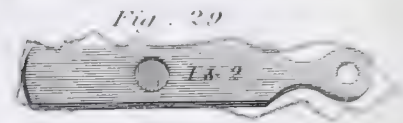
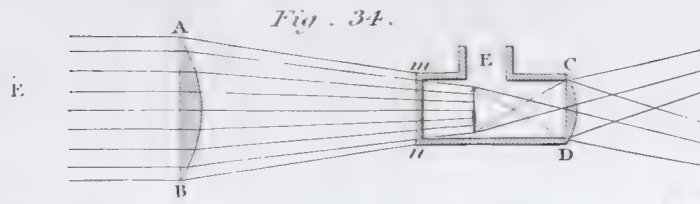
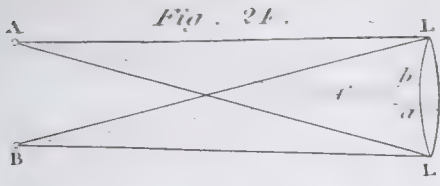


Fig. 32.



Fig. 35.

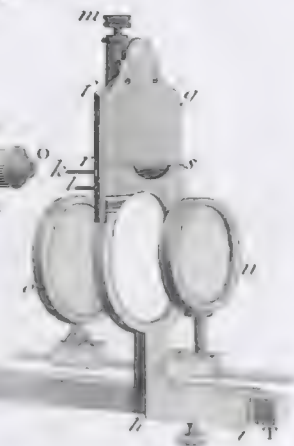


Fig. 37.

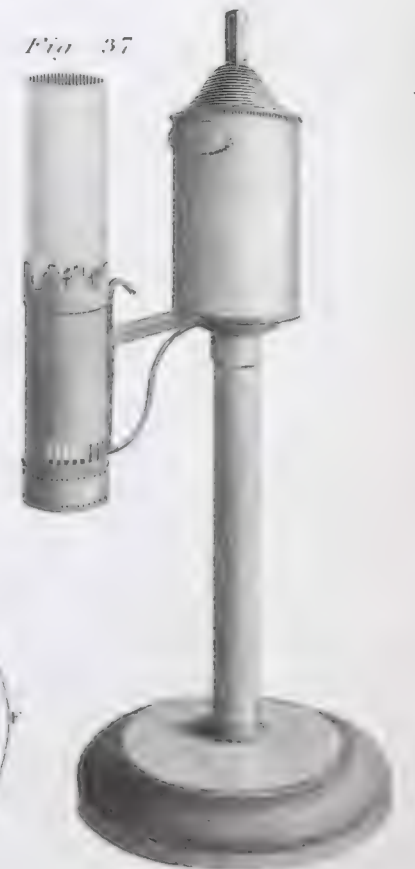


Fig. 36.

Fig. 39.



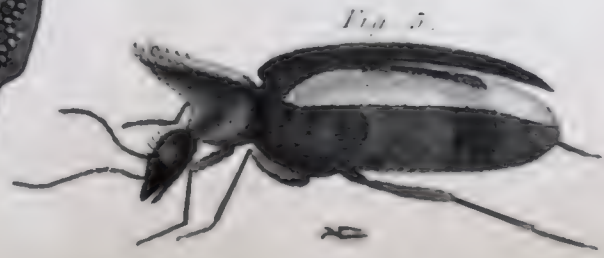
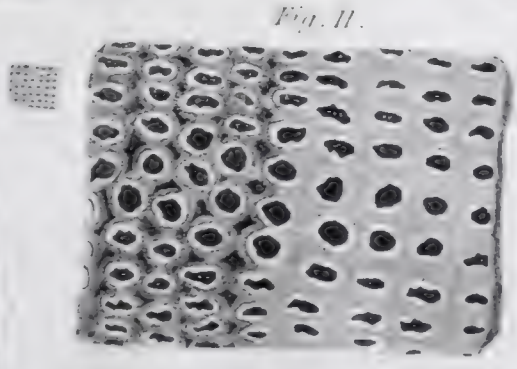
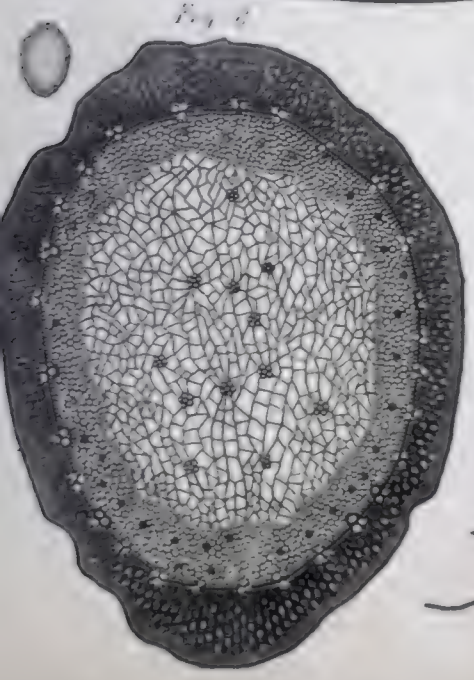
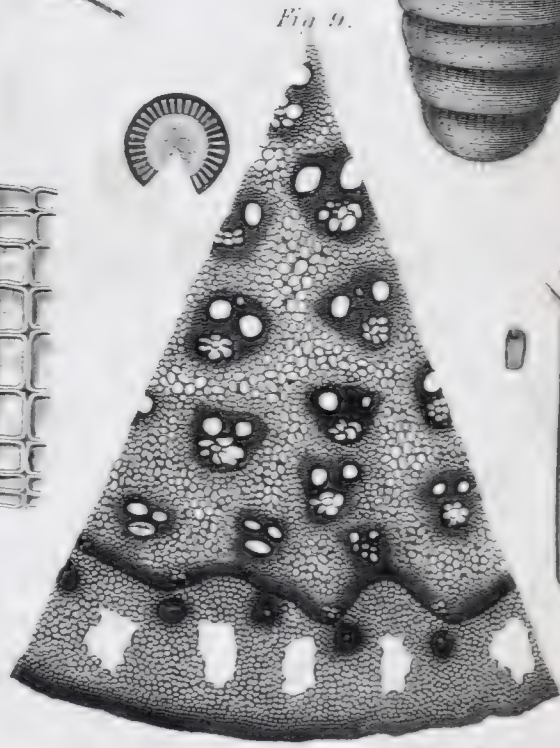
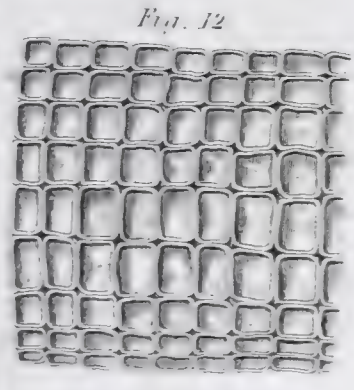
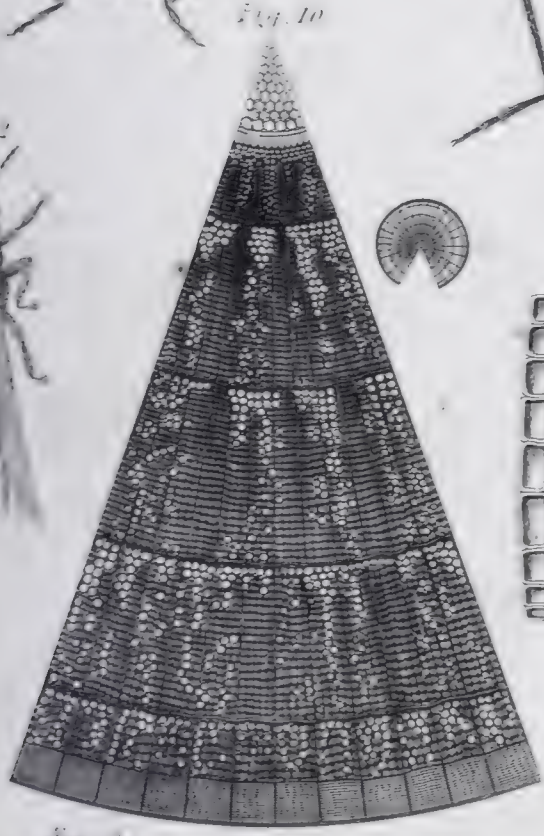




Fig. 2.

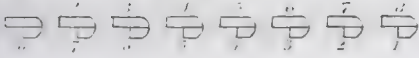


Fig. 1.

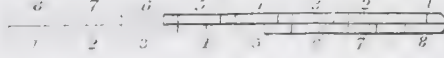


Fig. 10.

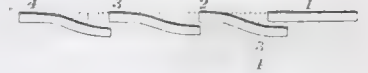


Fig. 13.

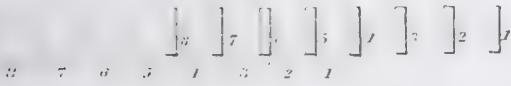


Fig. 4 & 9.



Fig. 14.

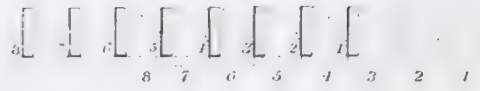


Fig. 15.

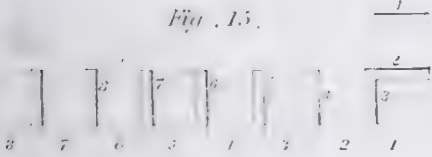


Fig. 3.



Fig. 5.

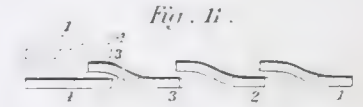


Fig. 11.

Fig. 17.

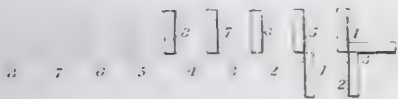


Fig. 12.



Fig. 3 & 7.

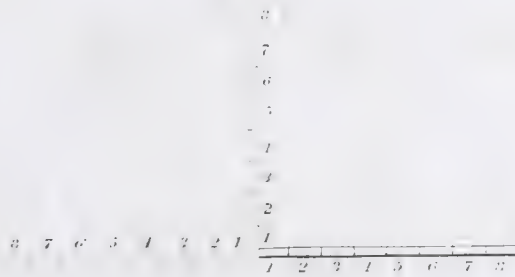


Fig. 21.



Fig. 20.

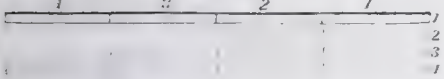


Fig. 16.



Fig. 19.



Fig. 18.



Fig. 22.



Fig. 21.

Fig. 25.



Fig. 26.

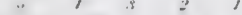


Fig. 27.

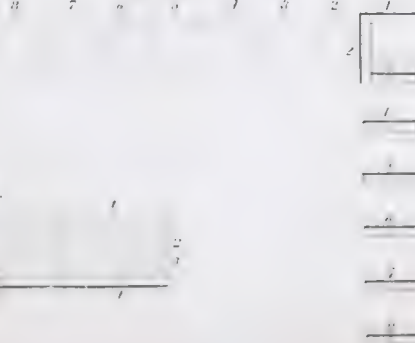


Fig. 23.



Fig. 6 & 24.



Fig. 31.

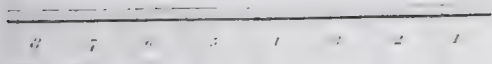


Fig. 32.

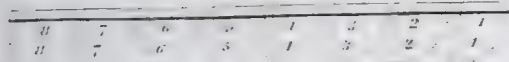


Fig. 29.



Fig. 12.

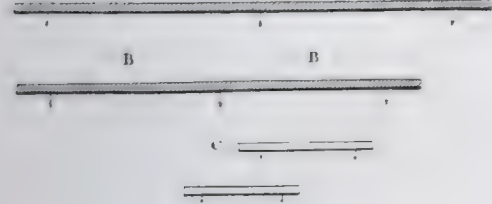


Fig. 33.

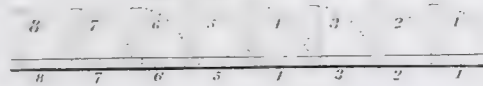


Fig. 34.

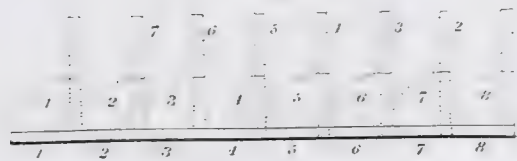


Fig. 30.

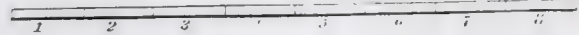


Fig. 38.



Fig. 37.

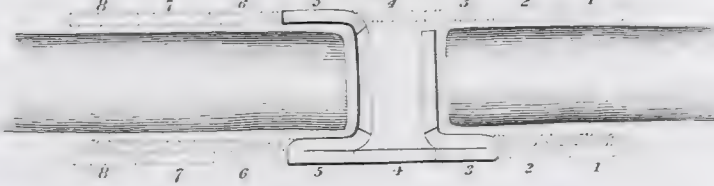


Fig. 36.



Fig. 40.



Fig. 39.



Fig. 35.

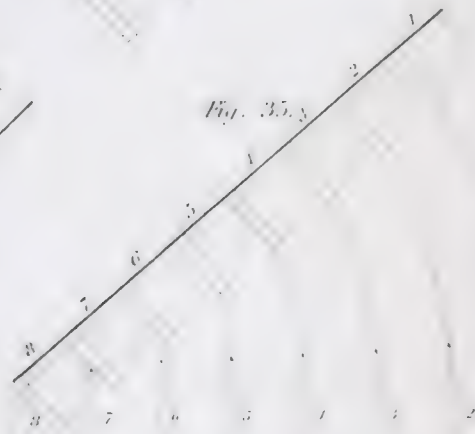
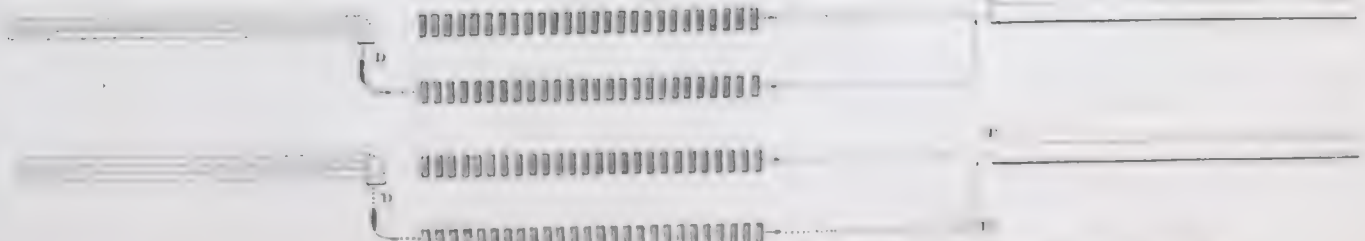


Fig. 41.



Represents an Army marching in line, describing the column in March to be in four. The four heads being arrived at V the 2^d and 1st constituting the left wing halt and allow the others to pass until their rear have cleared them when they fall in the line of march & pass off again in two.

This figure represents an Army in order of battle in two lines. A being attacked by Bagers an estimate of the same Army being in column attached upon the heads of the columns. The Bagers C constituting the third or the heads of columns form or change front to face the Bagers across the Army. A during the first movement or change but A instead of attempting to deploy or change front both of which would be impossible takes up the position B being facing the Bagers as shown in open column to attack and by this movement gains the flank of the enemy.

BATTLE OF ROSBACH

Reference

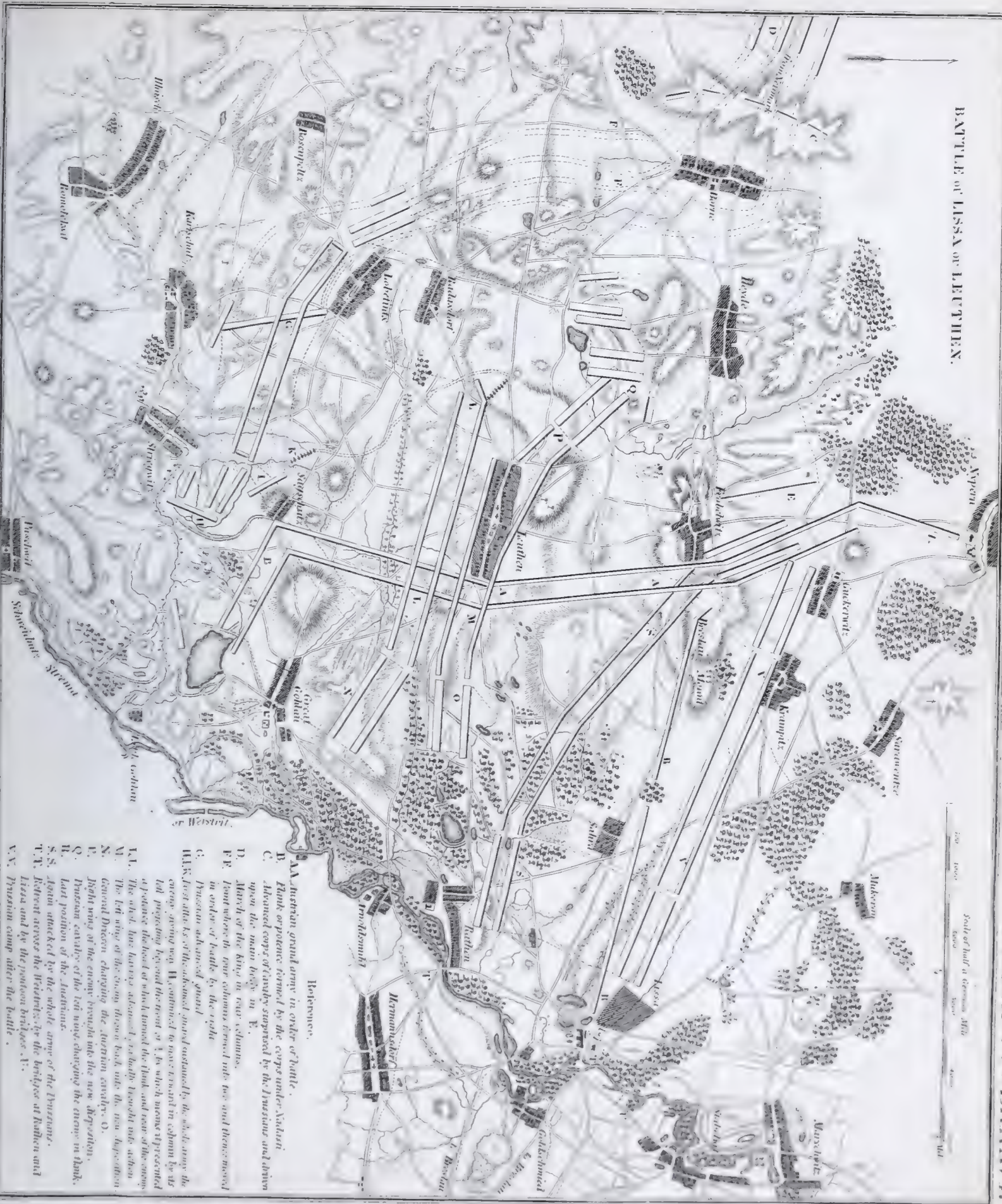
- AA. Position of the King on the 24 November.
- B. March of the Prussian army to attack the enemy on the left.
- CC. The advanced guard led by the King on the heights near Scharbau while the main body followed.
- DD. Camp of the combined forces near Micheln.
- E. E. New position of the combined armies which induced the Prussians to fall back.
- F. F. March of the combined armies on the 5th.
- G. G. Corps of General S. German.
- HH. The combined armies moving in columns pointing towards the rear of the Prussian position.
- I. The advanced guard consisting of Russian and French cavalry charged by the Prussians under General Soltikoff.
- L. L. 8th battalions under Prince Henry on the flank of the rest of the infantry.
- MM. Position which the enemy endeavored to assume.
- N. Last slope of the Prussian cavalry which caused the whole Prussian camp to enter the battle.
- O. Position which General Soltikoff occupied before he charged.
- OO. Order of battle before the King came down from the hill.
- R. Camp at Rosbach.



Scale of half an inch to the mile



BATTLE OF LISSA OR LEITCHEN.



Reference.

- AA Austrian grand army in order of battle.
- B Flank or posture formed by the corps under Naxos.
- C Advanced corps of tanks surprised by the Prussians and driven upon the main body in E.
- D March of the king in rear columns.
- FF Point where the two columns crossed into two, and hence moved in order of battle by the right.
- G Prussian advanced guard.
- HHN Just attack of the advanced guard sustained by the whole army the enemy giving way. H continued to move forward in column by its tail preceding beyond the rest of I, J, which means represented as to show the head of which turned the flank and rear of the enemy.
- I, L The left wing of the enemy thrown back into the new disposition.
- M The left wing of the enemy thrown back into the new disposition.
- N, N General Division charging the Austrian cavalry. O.
- P Light wing of the enemy thrown into the new disposition.
- Q Prussian cavalry of the left wing charging the enemy in flank.
- R Last position of the Austrians.
- S, S Again attacked by the whole army of the Prussians.
- T, T Retreat across the bridges; for the bridges at Kachan and Lissa and by the position bridges. V.
- V, V Prussian camp after the battle.



ORDER of MARCH and MANEVRES at the BATTLE of KOLLIN.

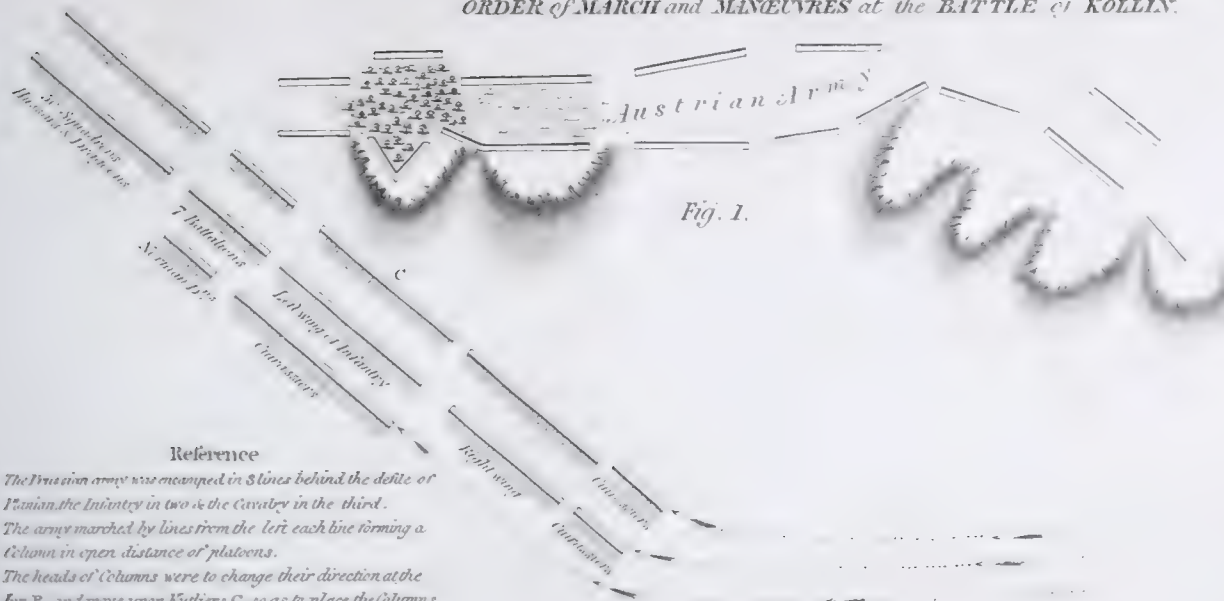


Fig. 1.

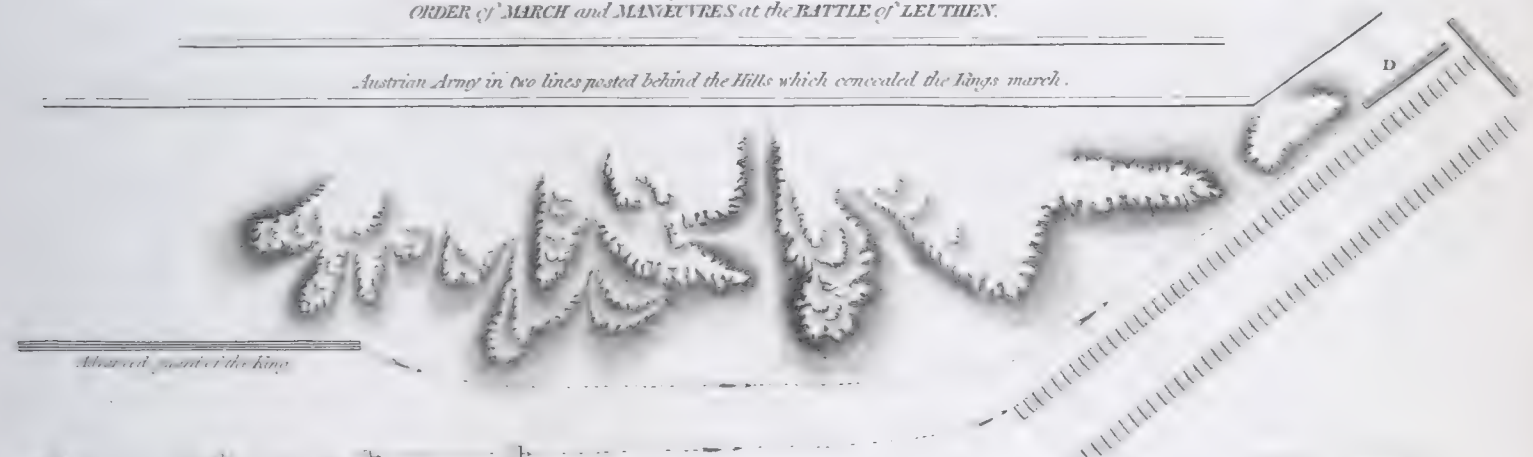
Reference

The Prussian army was encamped in 3 lines behind the defile of Pöthen the Infantry in two & the Cavalry in the third. The army marched by lines from the left each line forming a column in open distance of platoons. The heads of columns were to change their direction at the line B. and move upon Kollin C. so as to place the columns on the line of the order of Battle which was to be effected by wheeling into line and act by deploying.

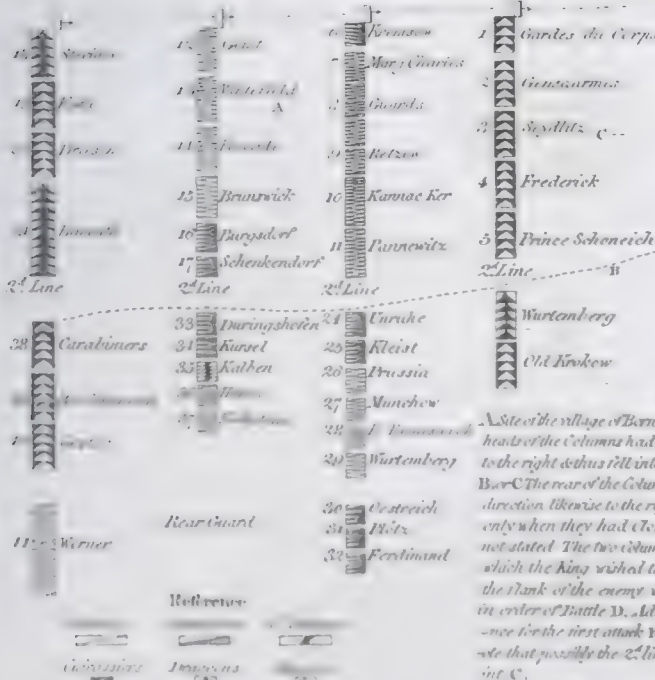
Fig. 3.

ORDER of MARCH and MANEVRES at the BATTLE of LEUTHEN.

Austrian Army in two lines posted behind the Hills which concealed the King's march.



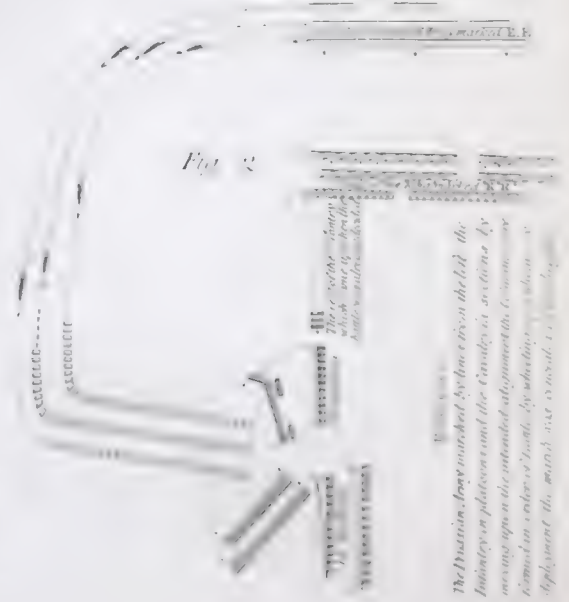
ORDER of MARCH at the BATTLE of ROSBACH



Reference

A Site of the village of Berna, between the 2^d and 3^d Columns when the heads of the columns had passed it, they changed their direction to the right & thus fell into two columns ready to wheel into line B or C. The rear of the columns constituting the 2^d line changed their direction likewise to the right but whether at the same time as A or only when they had closed up to their proper distance in C is not stated. The two columns continued marching in the alignment which the King wished to give his Army, until they had gained the flank of the enemy when they wheeled up and the army stood in order of Battle D. Advanced guard forming an angle or posture for the first attack B. and C. have both been dotted to denote that possibly the 2^d line did not turn until it had reached the point C.

Fig. 2.



The Prussian Army marched by lines from the left the Infantry in platoons and the Cavalry in sections by moving up in the intended alignment the Columns were formed in order of Battle by wheeling into line & deployment the march was towards the village of Berna.

Handwritten text, possibly a signature or name, located in the upper left quadrant of the page. The text is faint and difficult to decipher.



Fig. 1.

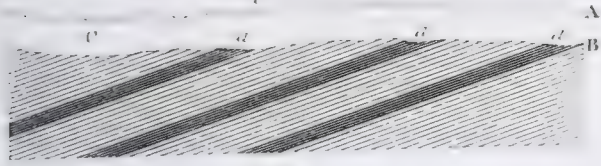


Fig. 2.

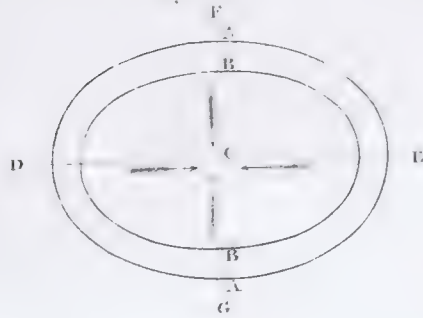


Fig. 3.



Fig. 4.

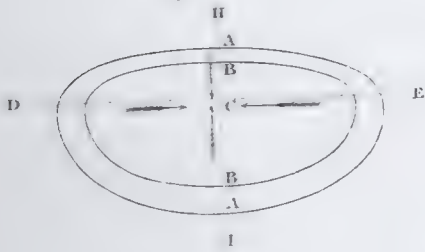


Fig. 5.

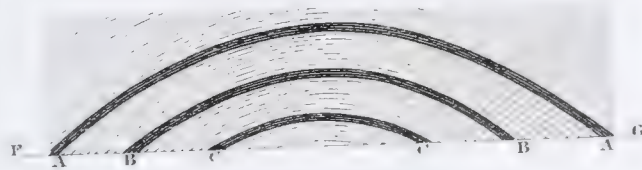


Fig. 6.



Fig. 7.

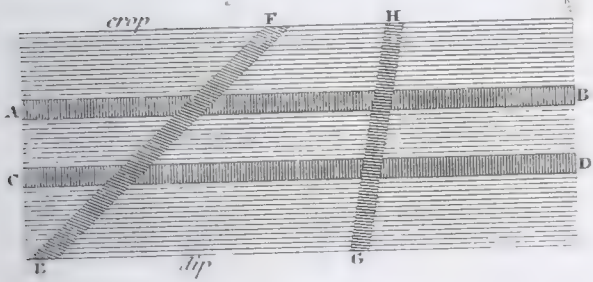


Fig. 8.

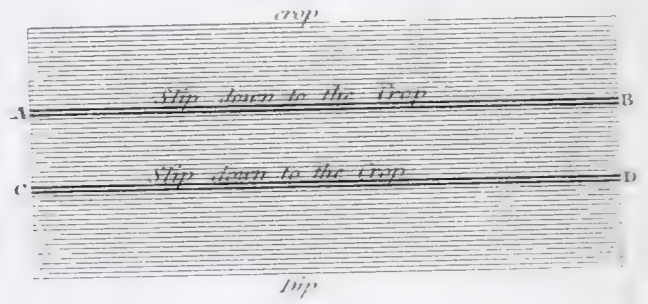


Fig. 9.

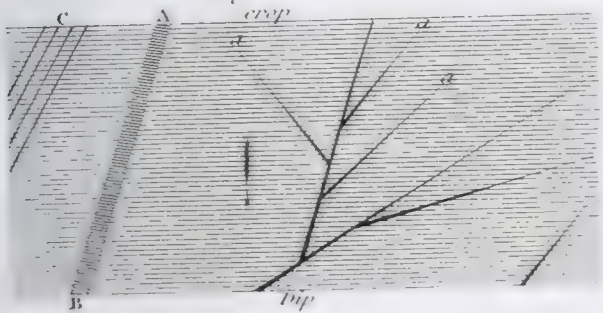


Fig. 10.

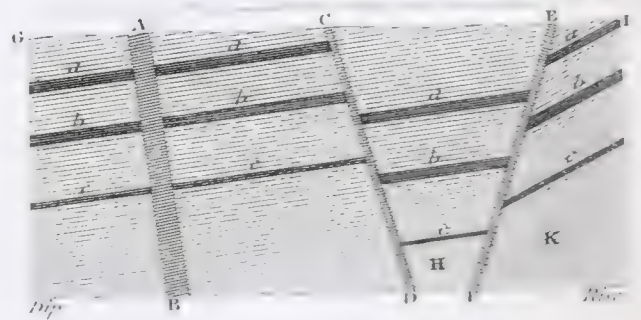


Fig. 11.

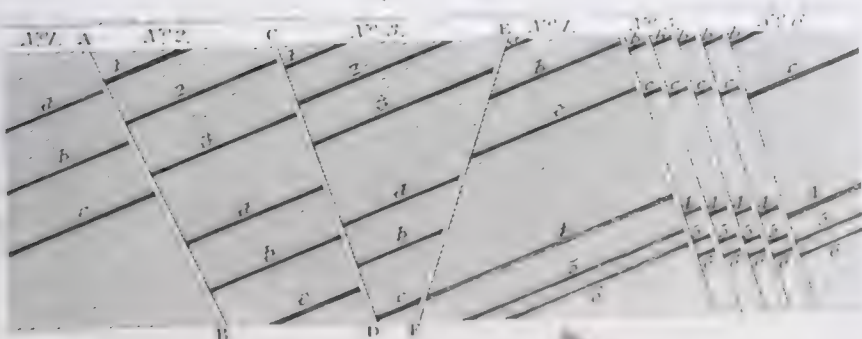


Fig. 12.

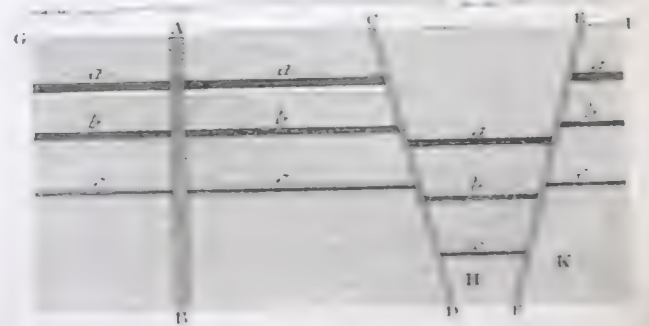




Fig. 1.



Fig. 2.



Fig. 3.

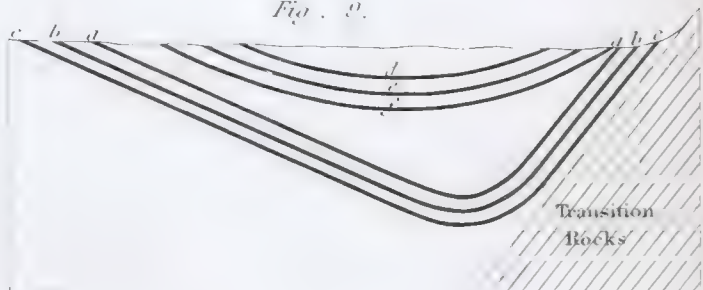


Fig. 3.

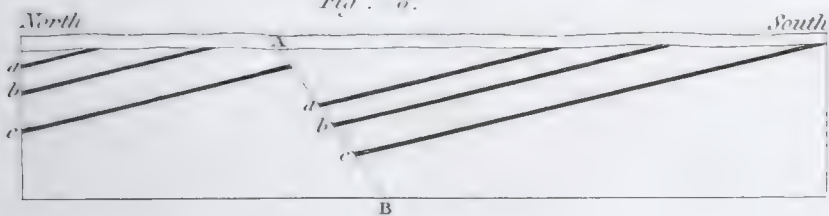


Fig. 3.



Fig. 4.



Fig. 5.

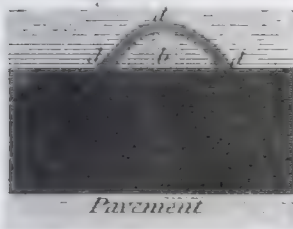


Fig. 6.

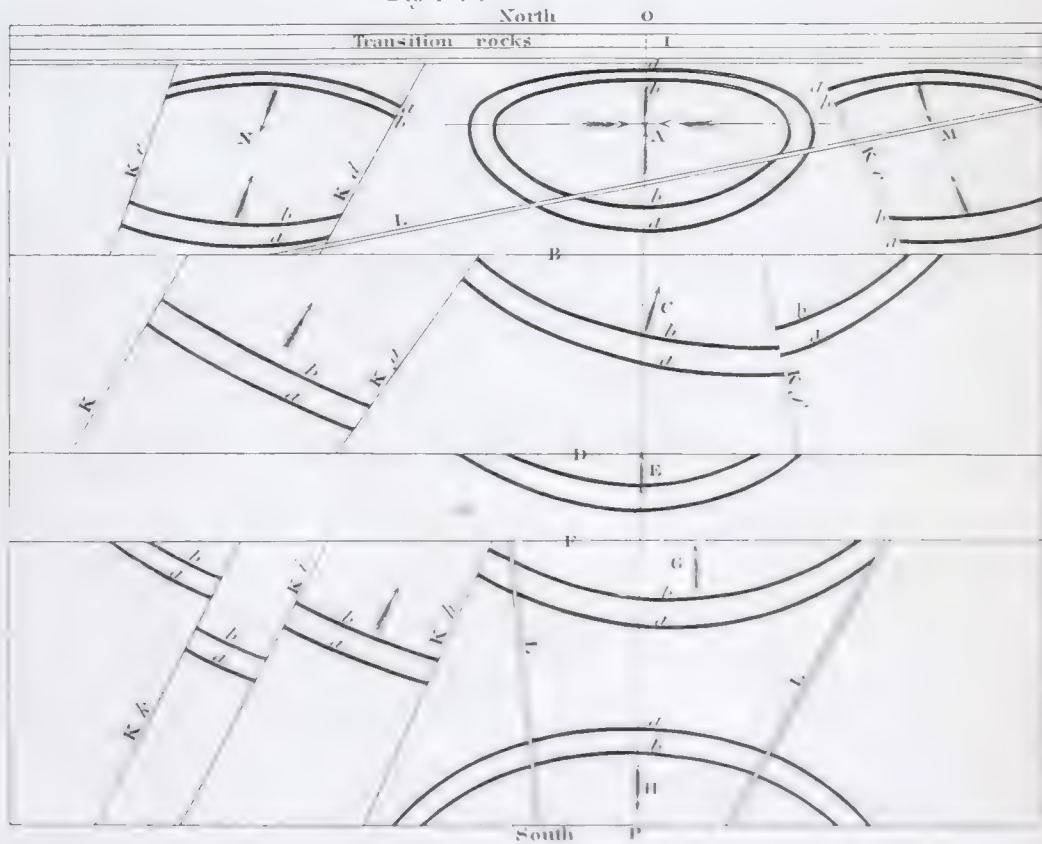


Fig. 7.

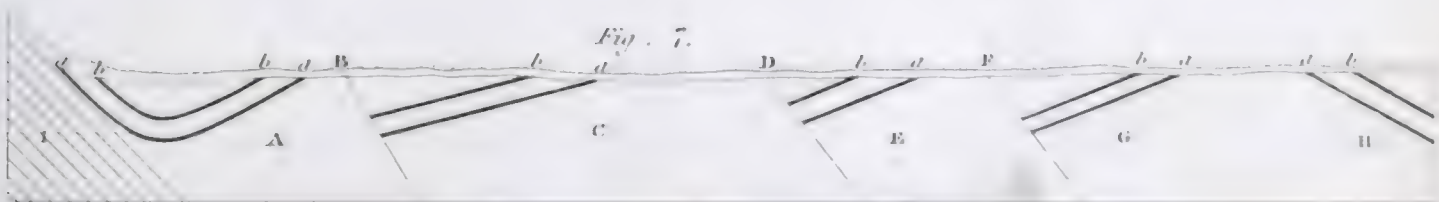


Fig. 1.

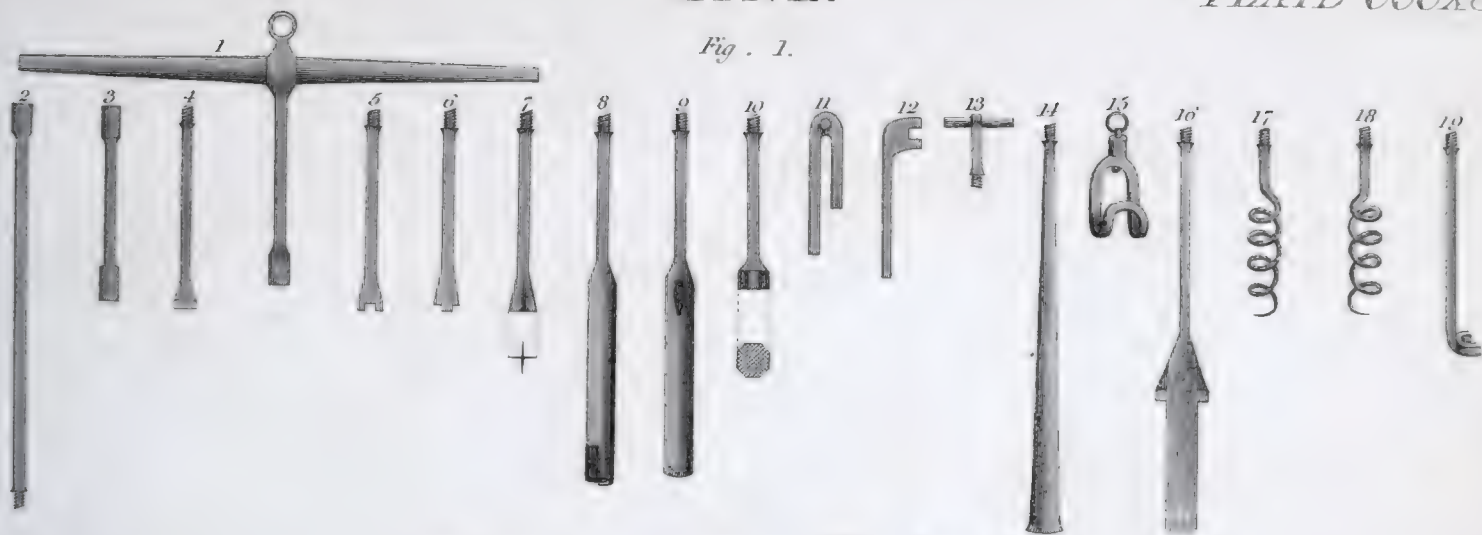


Fig. 2.

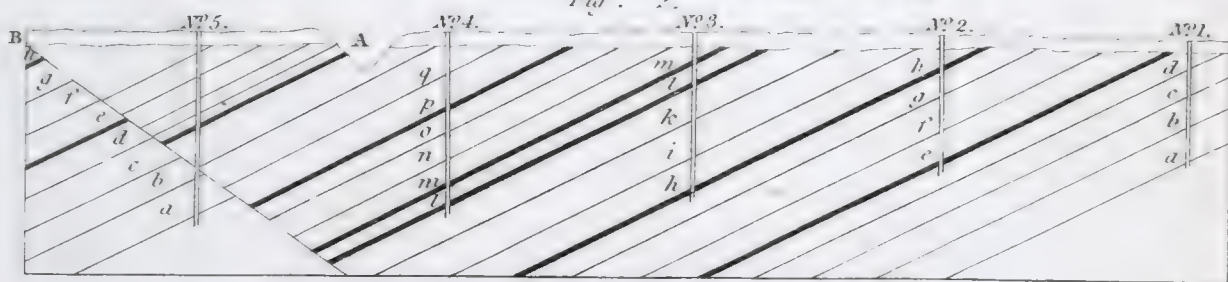


Fig. 4.

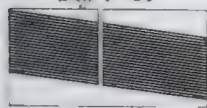


Fig. 5.

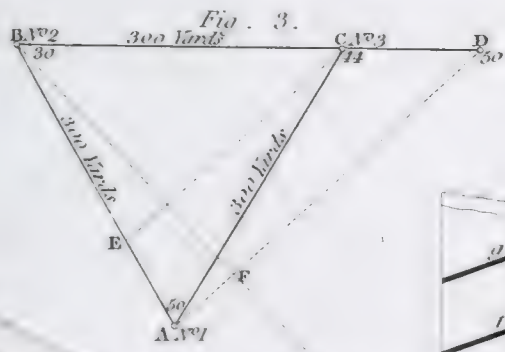
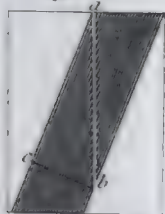


Fig. 6.

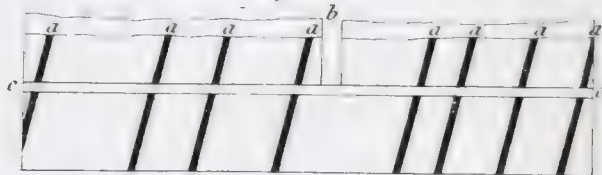


Fig. 8.

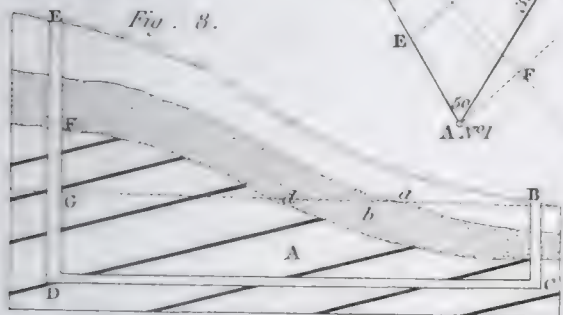


Fig. 7.

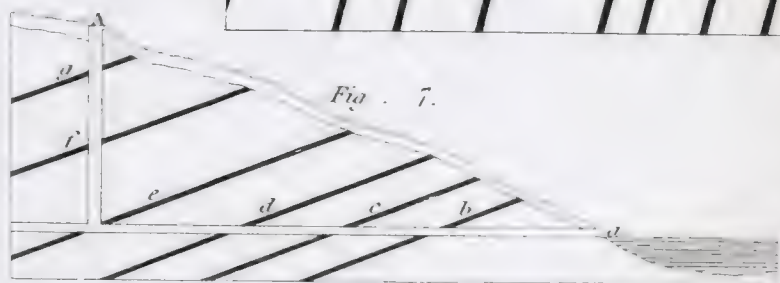


Fig. 12.

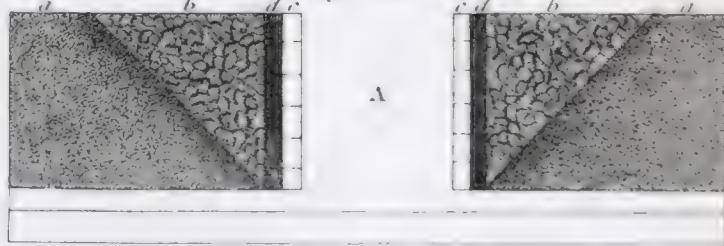


Fig. 9.



Fig. 10.



Fig. 11.



Fig. 14.

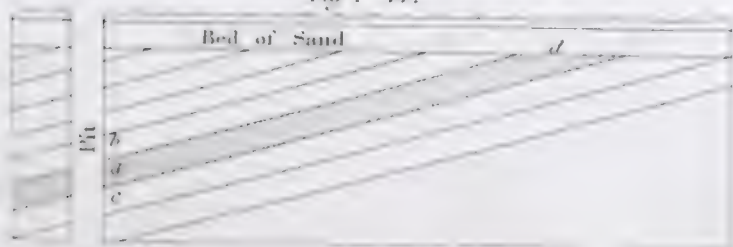


Fig. 15.

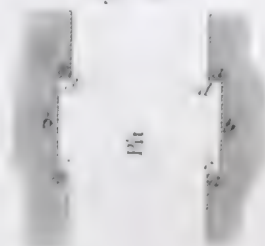


Fig. 16.



Fig. 13.





MINE.

PLATE CCCXCI.

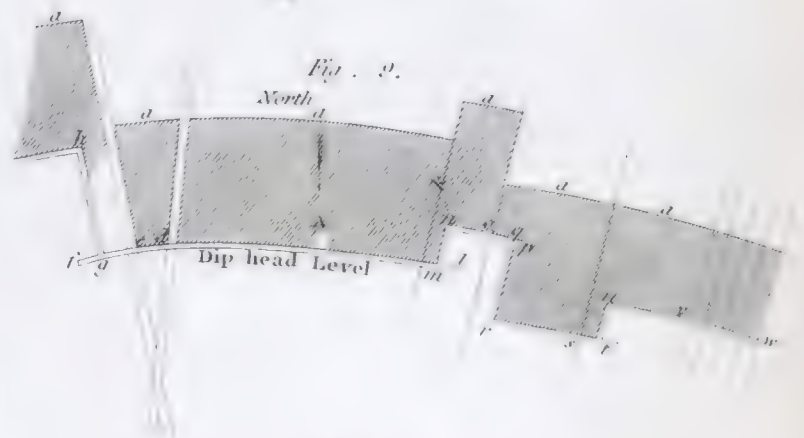
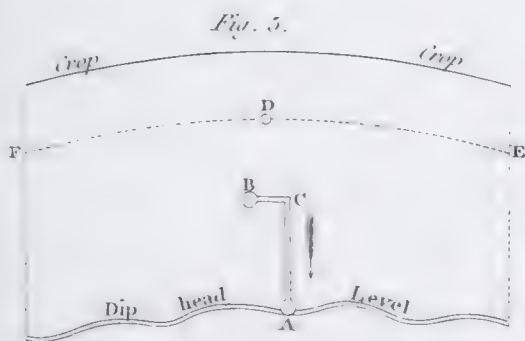
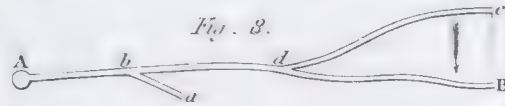
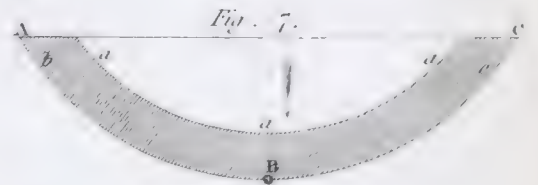
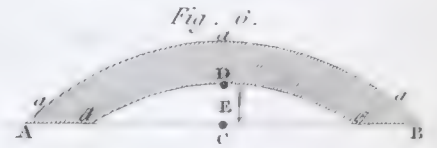
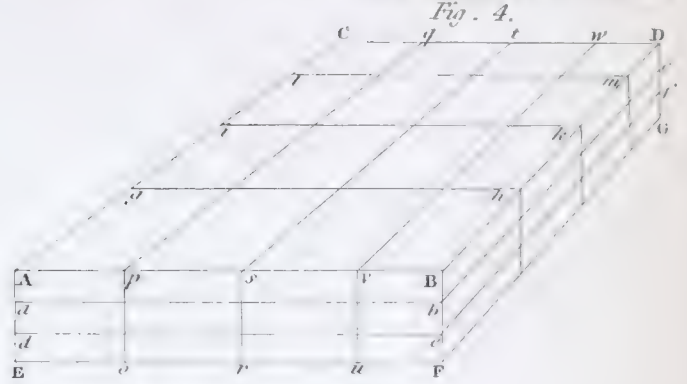
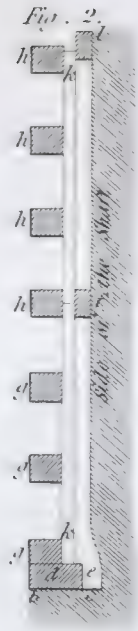
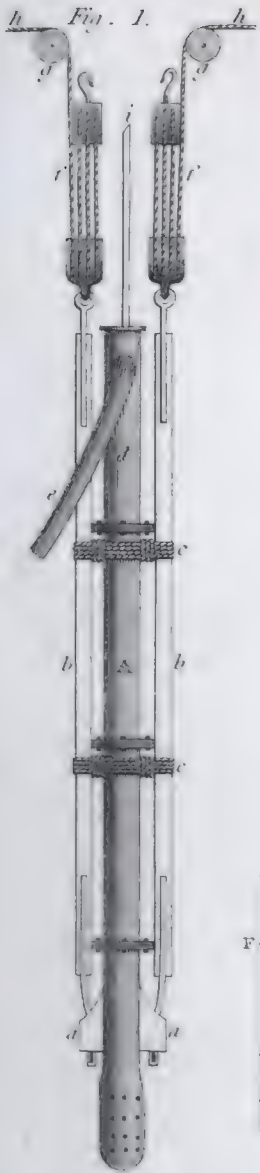


Fig. 12.

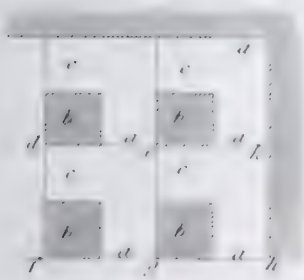


Fig. 10.



Fig. 11.



Fig. 11.

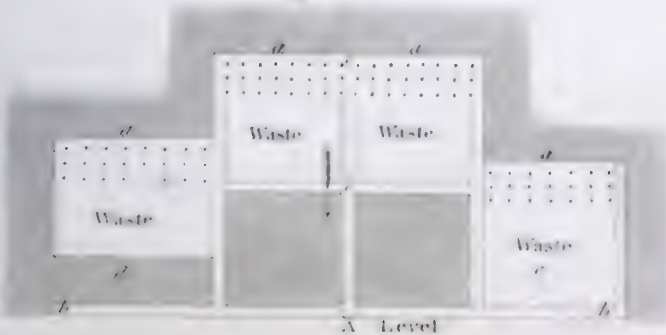


Fig. 13.



Fig. 15.



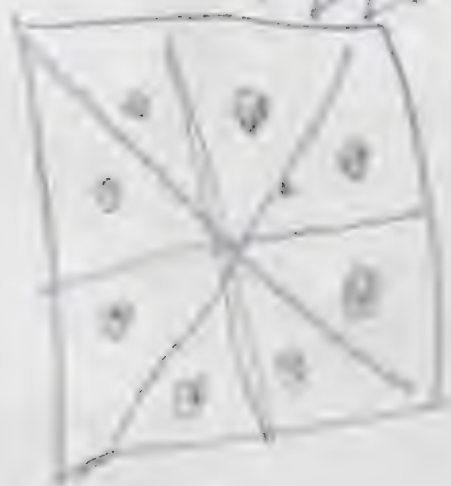
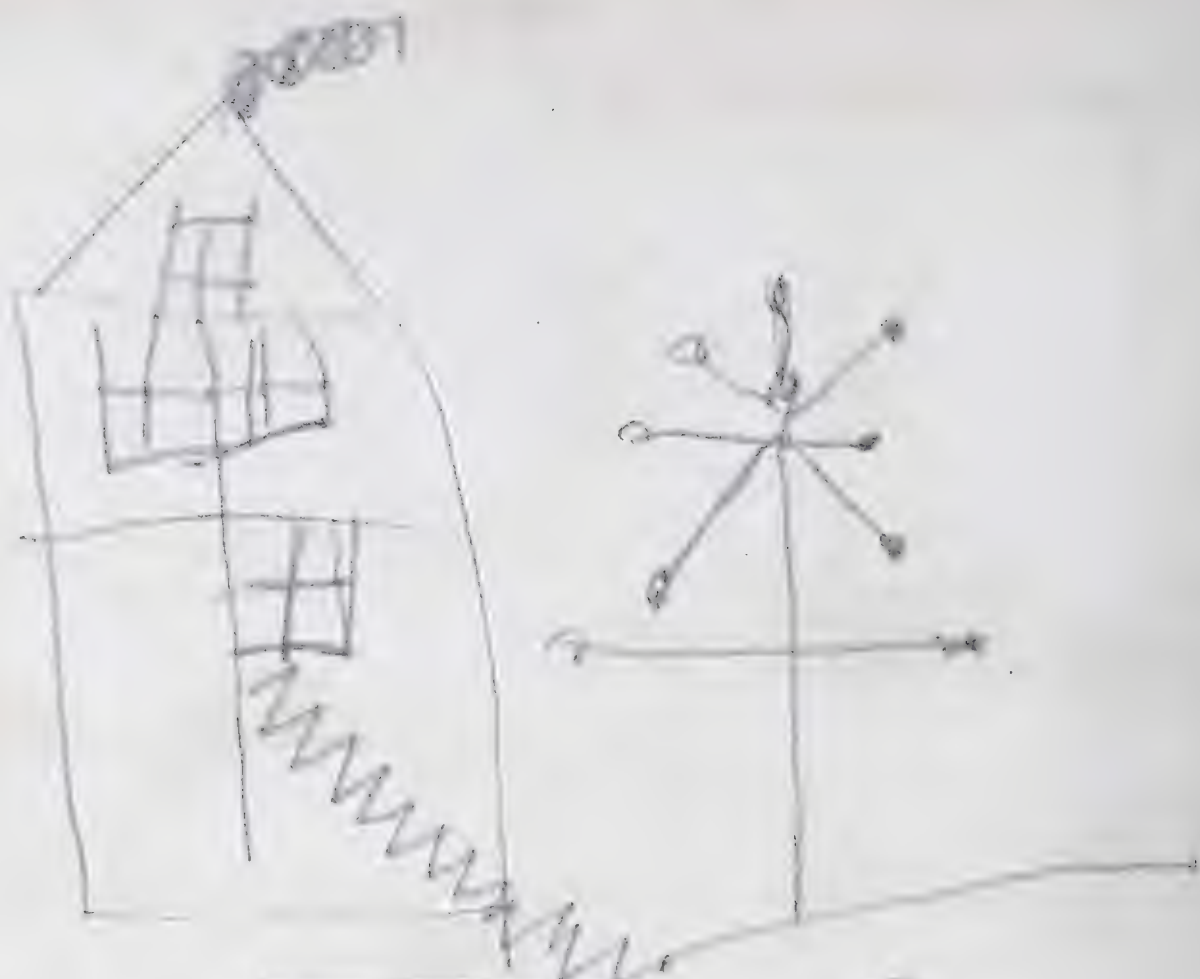


Fig. 2.

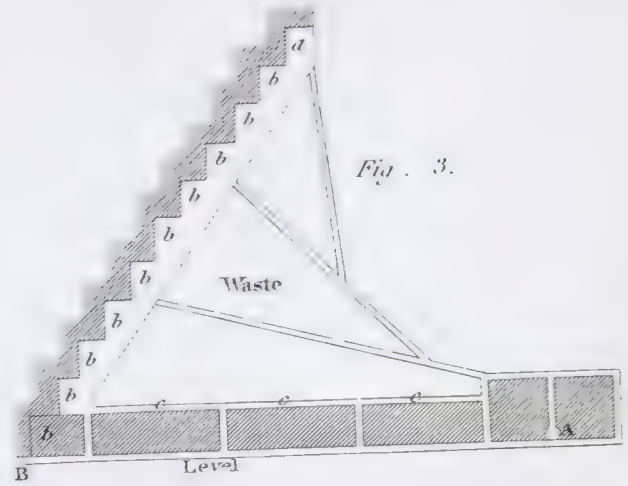
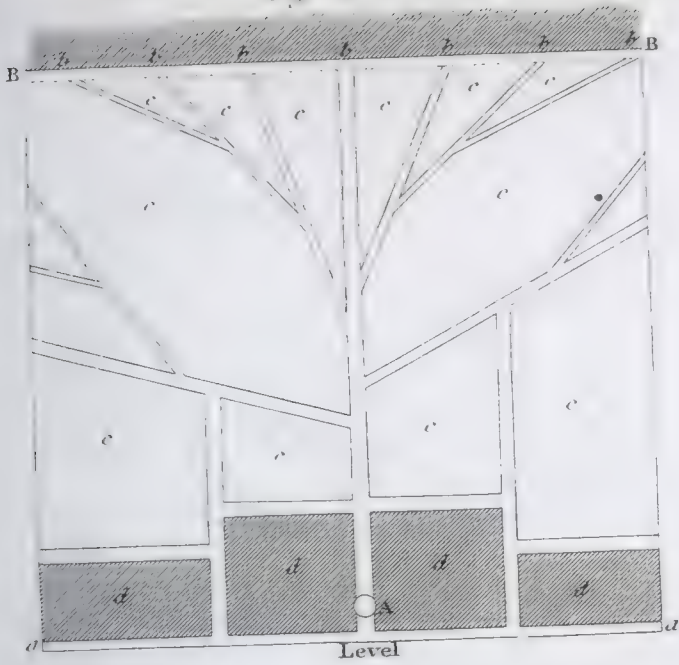


Fig. 3.

Fig. 4.

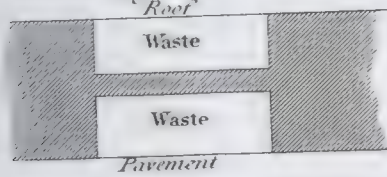


Fig. 5.

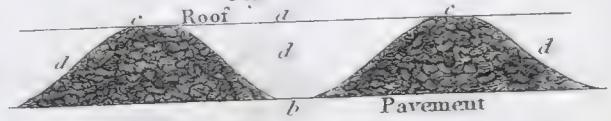
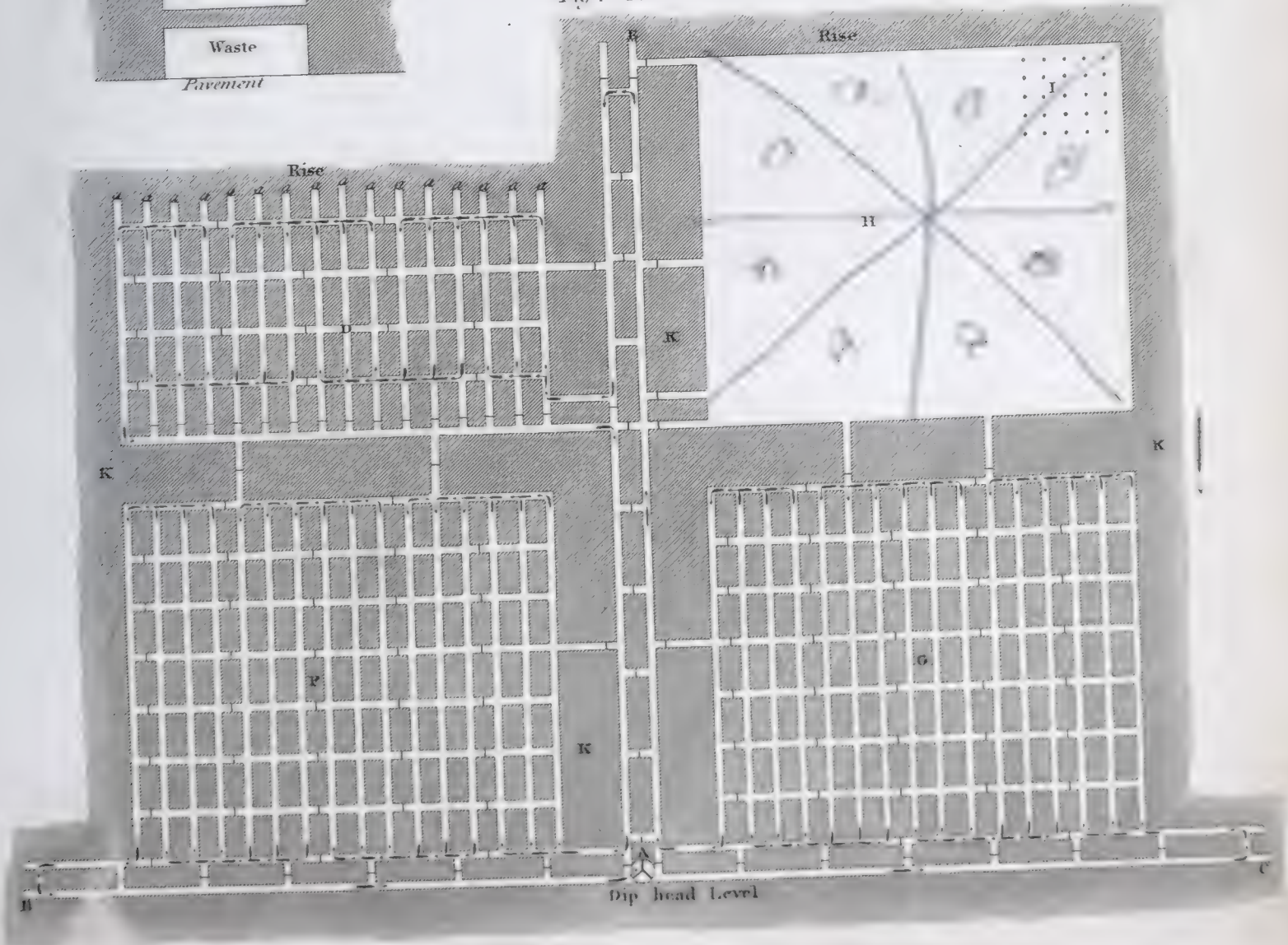


Fig. 1.





at the

MINE.

Fig. 2.
Reof.

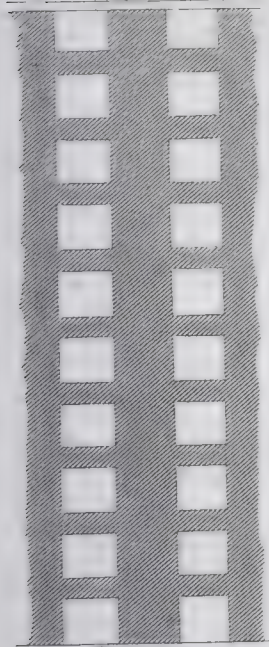


Fig. 1.

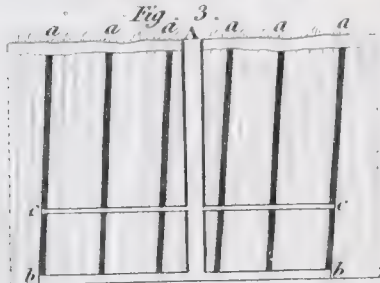
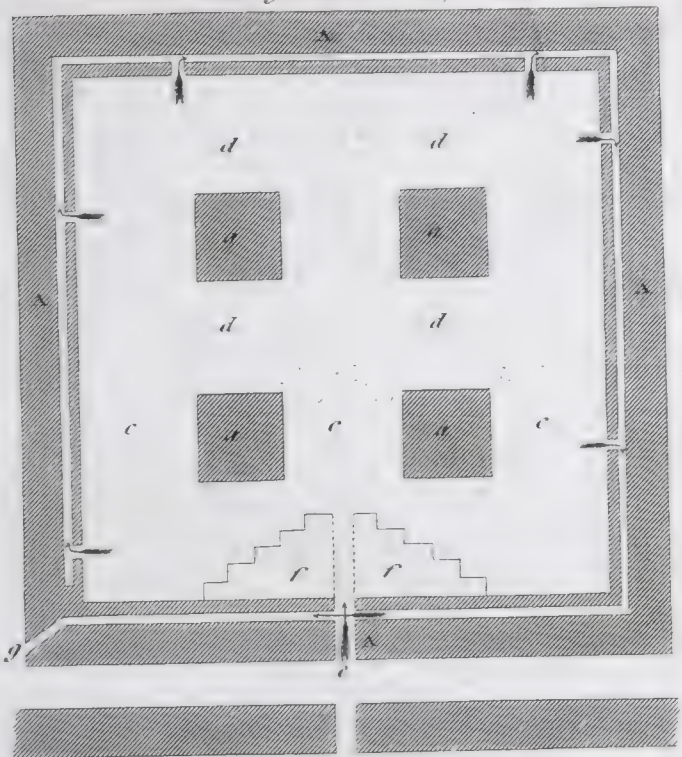


Fig. 4.



Fig. 5.

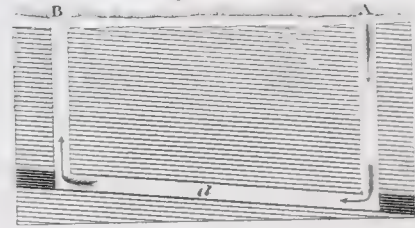
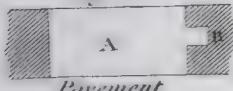


Fig. 7.



Pavement

Fig. 9.

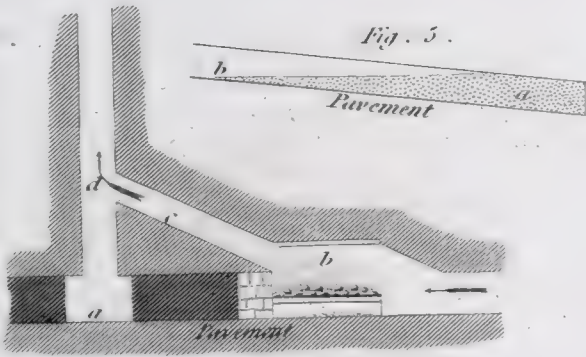


Fig. 5.

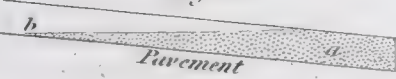


Fig. 10.

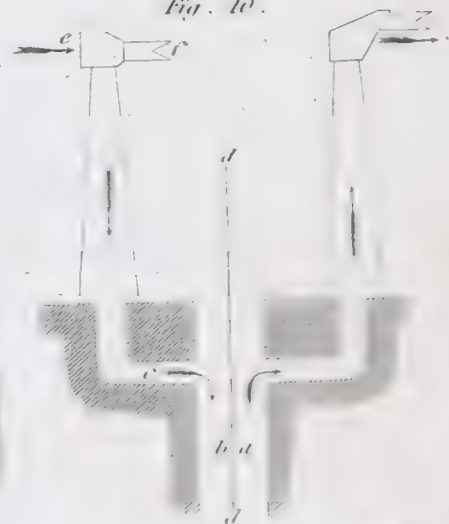


Fig. 8.

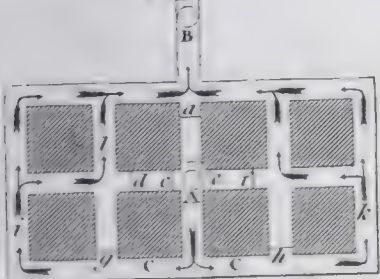


Fig. 11.

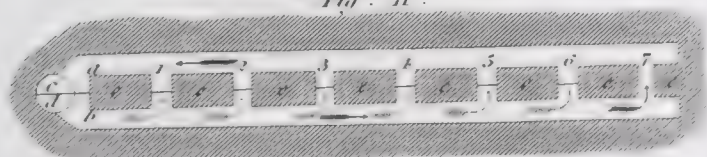


Fig. 12.

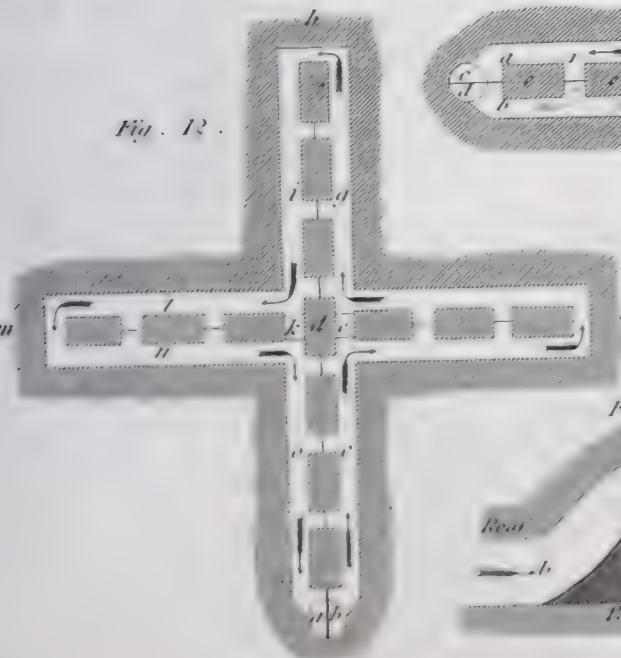


Fig. 14.



Fig. 15.

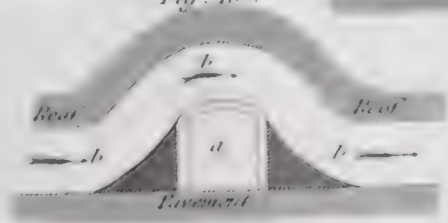


Fig. 16.

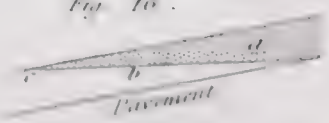
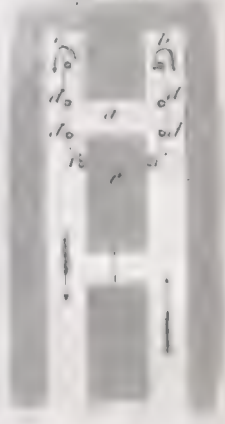
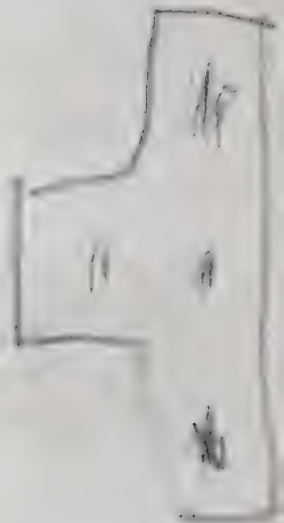
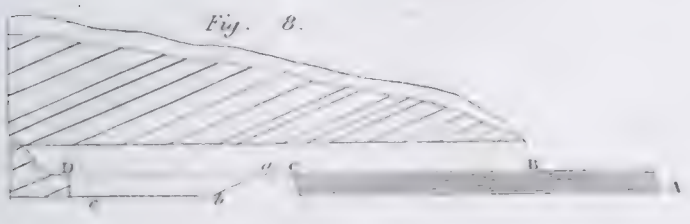
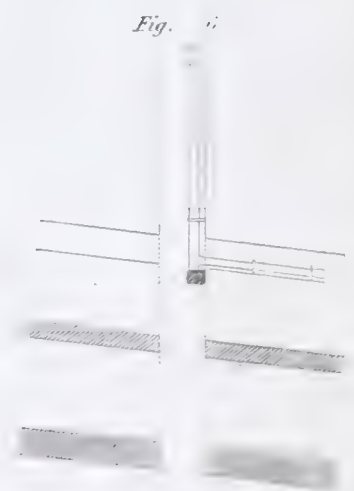
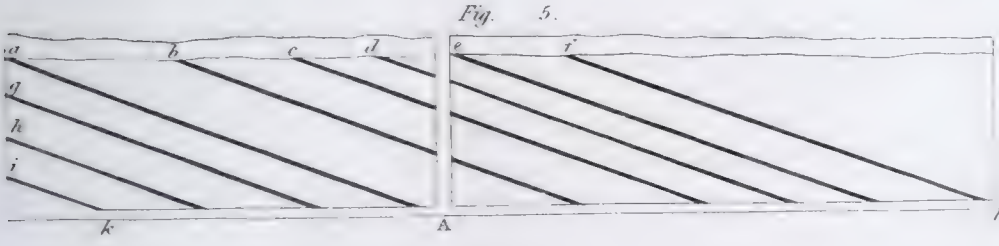
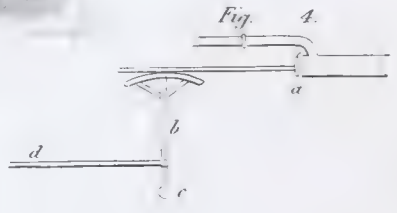
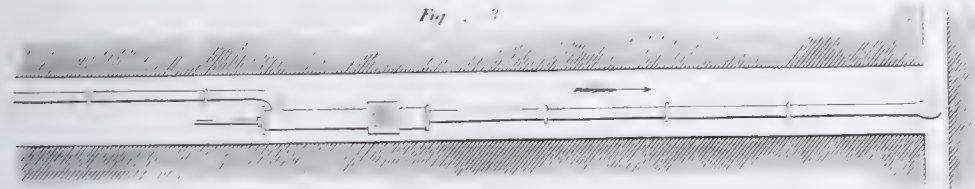
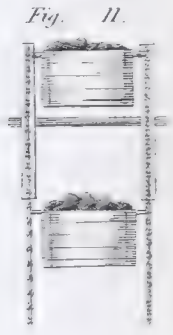
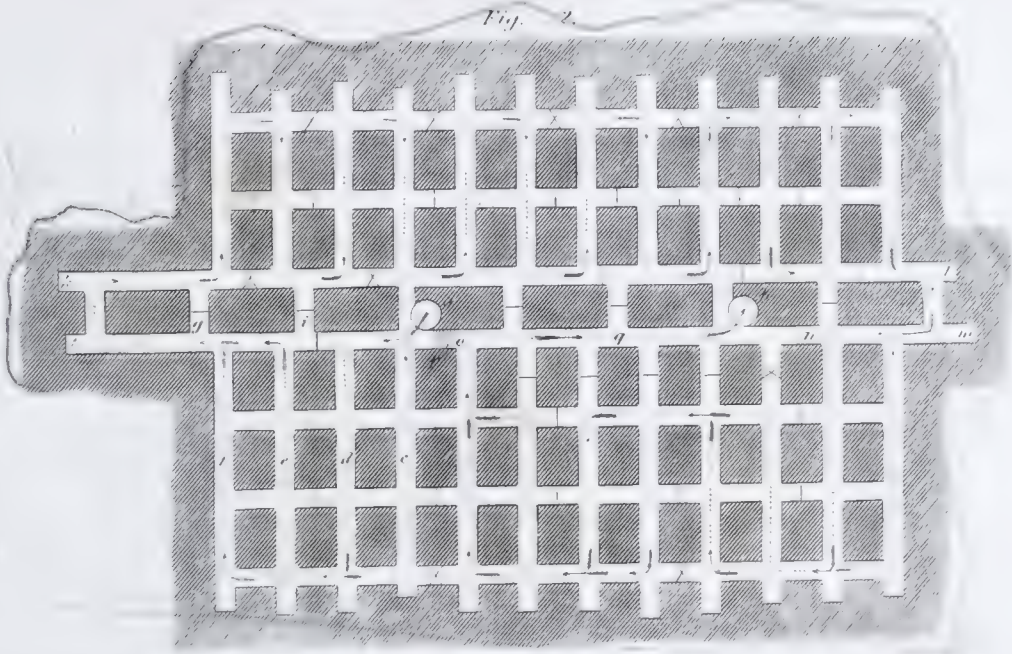


Fig. 13.



THE UNIVERSITY OF CHICAGO
LIBRARY





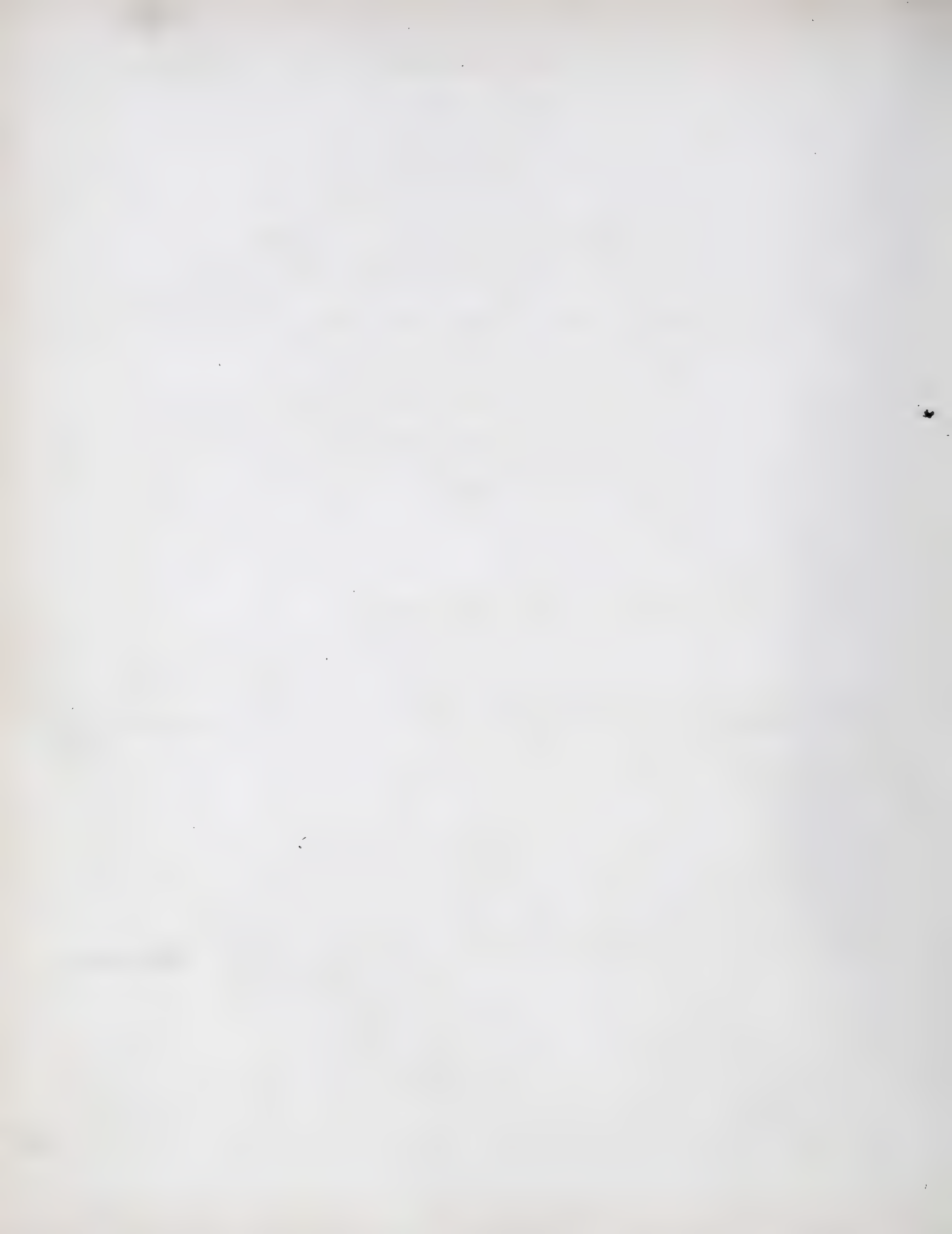


Fig. 1.

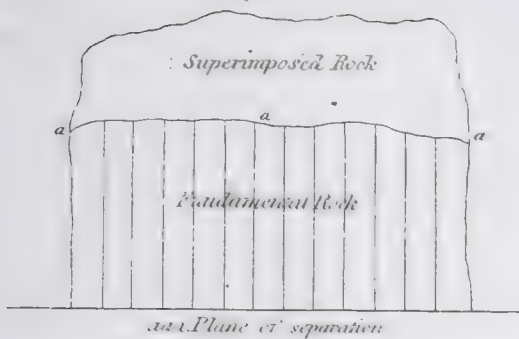


Fig. 3.

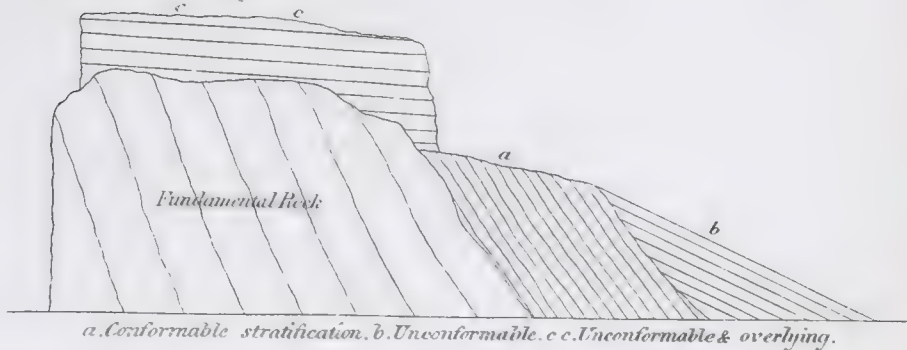


Fig. 2.

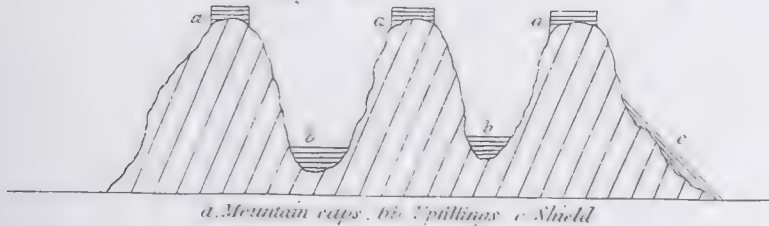


Fig. 4.

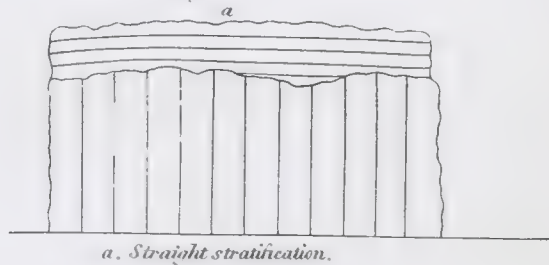


Fig. 5.

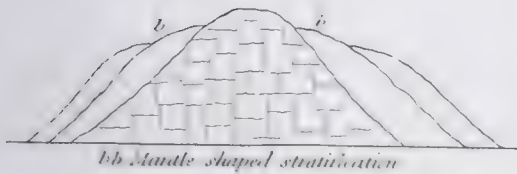


Fig. 7.

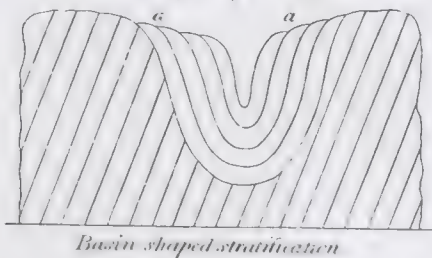


Fig. 6.

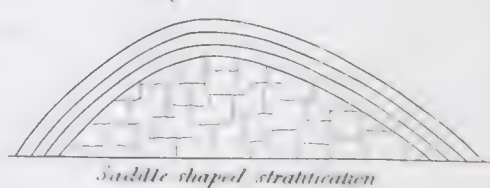


Fig. 8.

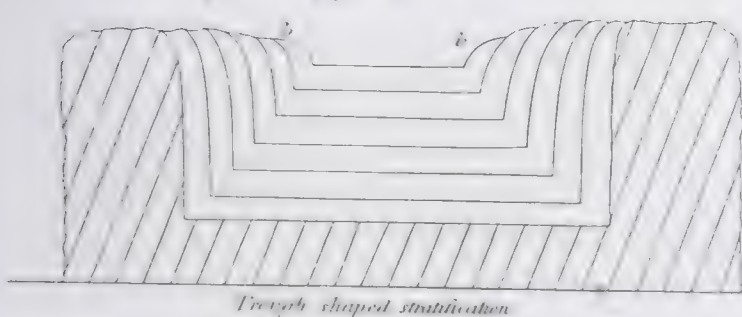


Fig. 9.

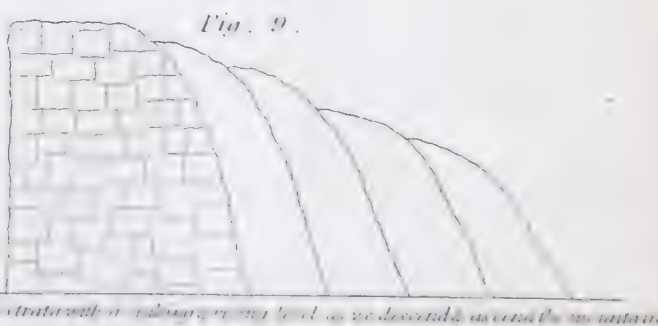


Fig. 10.

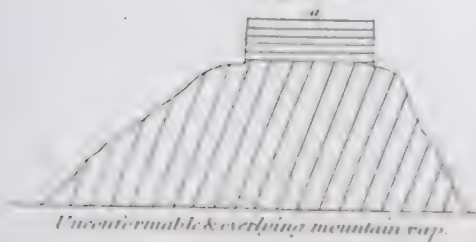


Fig. 11.

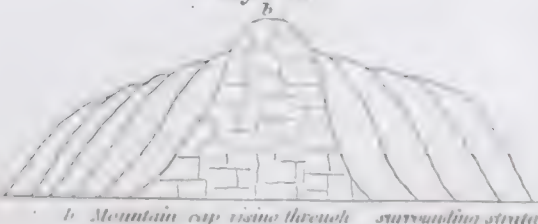
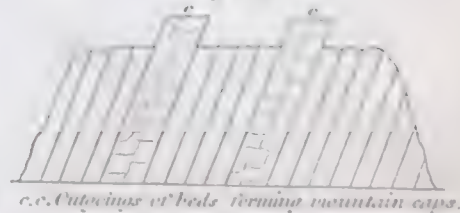
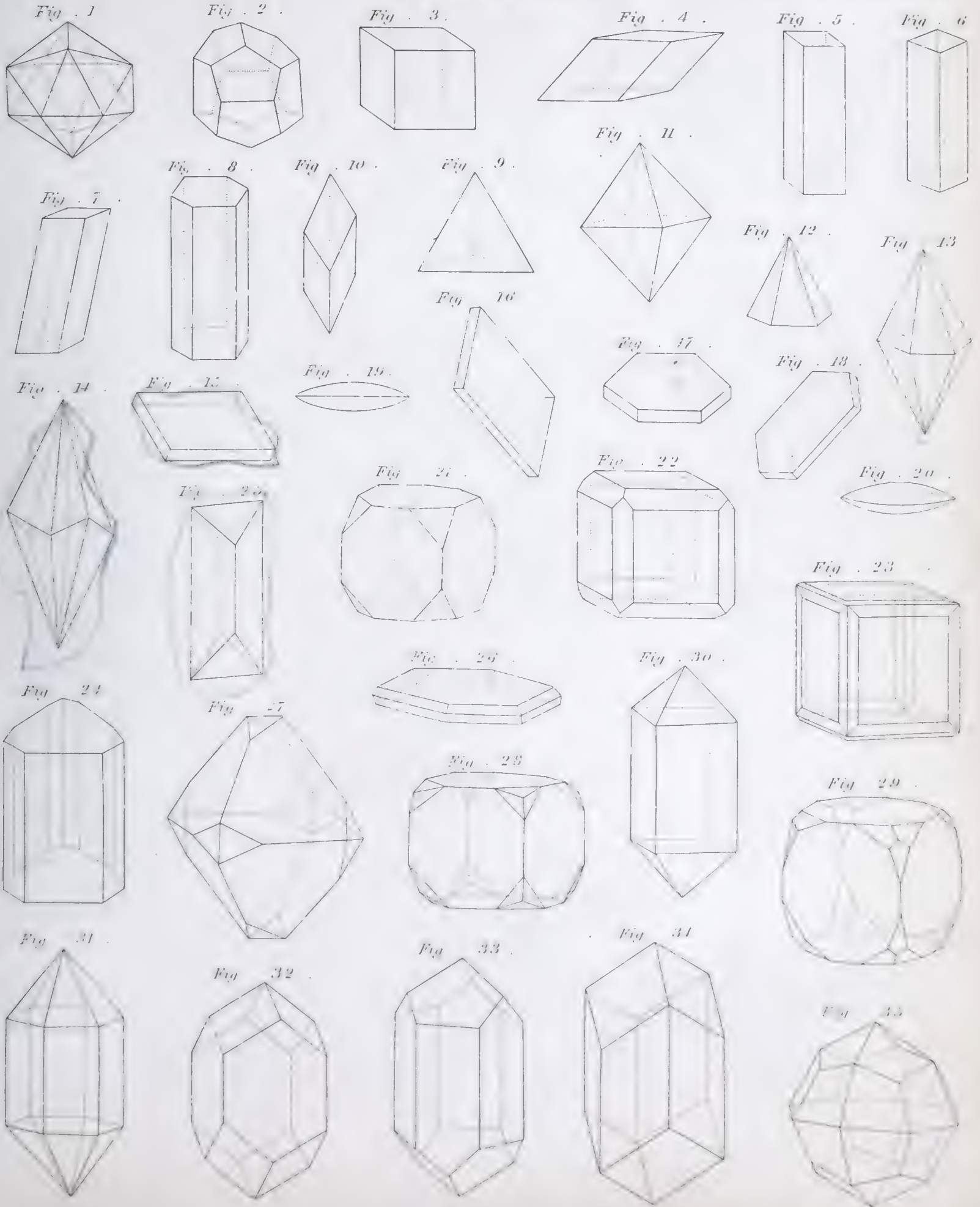


Fig. 12.





MIR. BARTON'S MACHINE FOR EQUALIZING THE THICKNESS OF METAL PLATES.

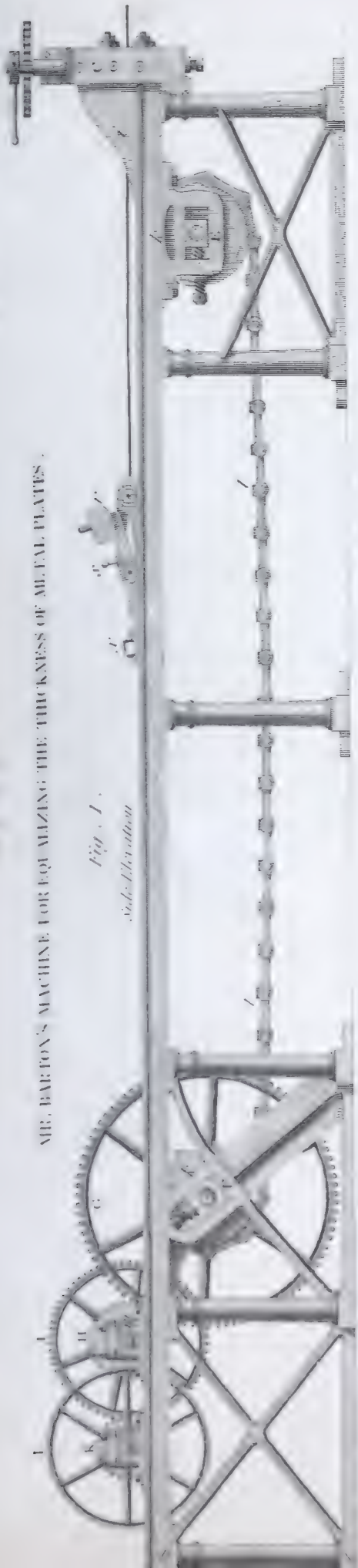


Fig. 1.

Side Elevation

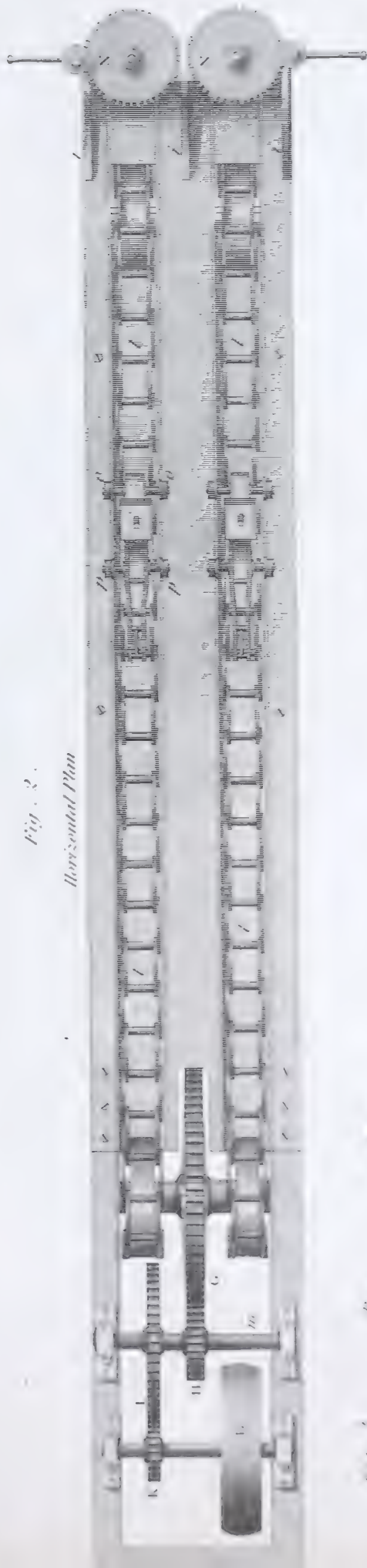


Fig. 2.

Horizontal Plan



Fig. 3.



Fig. 4.

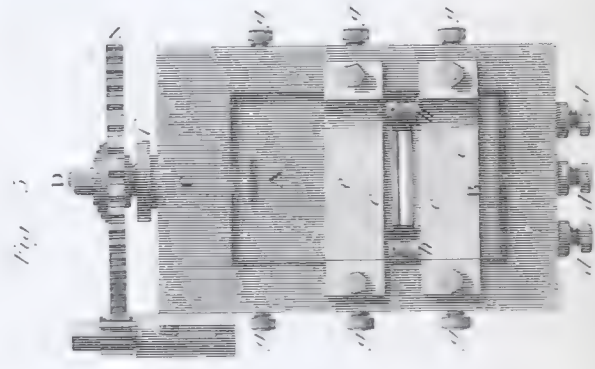


Fig. 5.

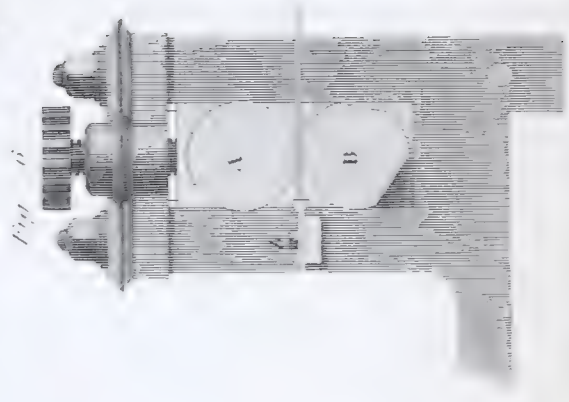
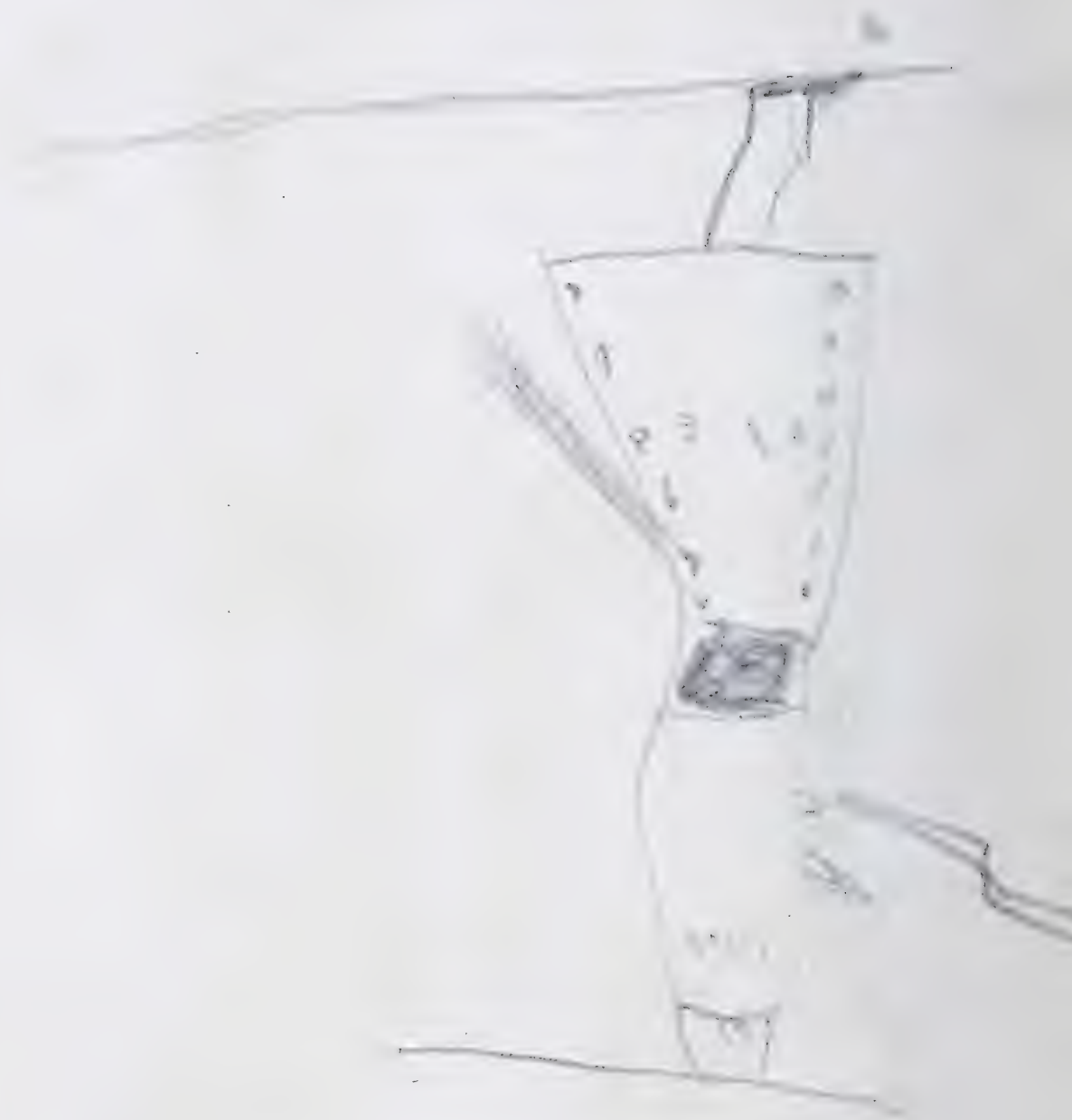
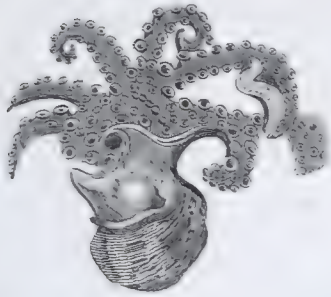


Fig. 6.



OCYTHOE CRANCHII

Fig. 1.



TESTICELLA HALIOTOIDEA

Fig. 5



MANDIBLES OF *LOLIGO SAGITTATA*

Fig. 3.



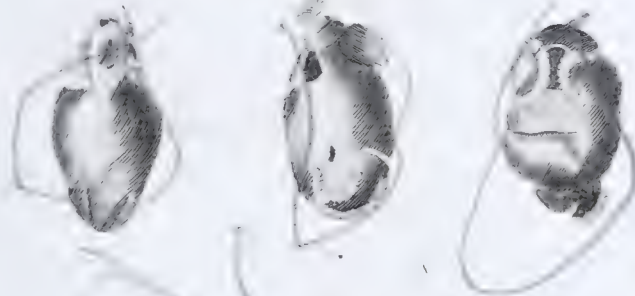
Two of the Corneous Rafts of the Suckers of *LOLIGO SAGITTATA*

Fig. 2



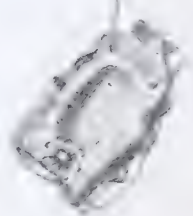
PNEUMODERMON PERONI

Fig. 4



DORIS MARGINATA

Fig. 7.



ONCHIDIUM TYPHA

Fig. 6



THETYS FIMBRIA

Fig. 8



PHYLLIDIA GILLIATA

Fig. 9



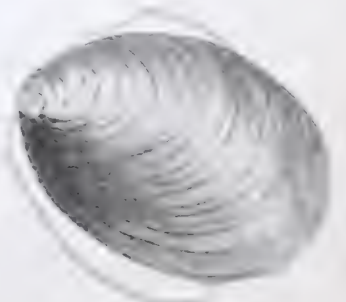
PHYLLIDIA TULIENENTI
under side

Fig. 10



PLEUROBRANCHIUS MEMBRANACEUS

Fig. 11





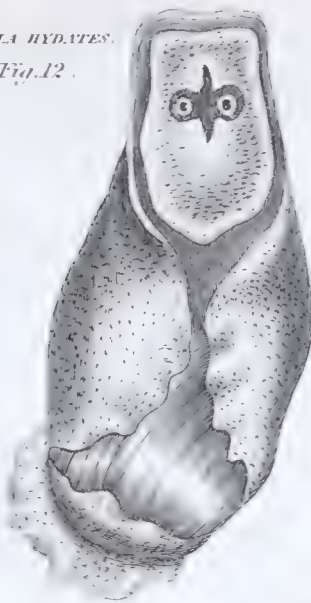
SENIOICUM TURGENS.

Fig. 17.



BULLA HYDANTES.

Fig. 12.



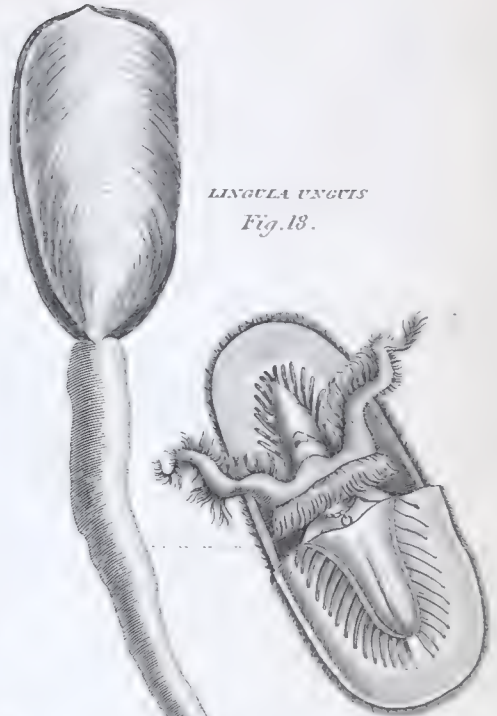
BUCINUM INDATUM.
without the Shell.

Fig. 14.



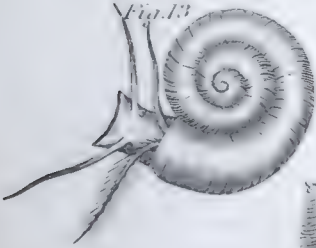
LINGULA UNGUIS

Fig. 18.



LILIANA CRISTATA
magnified.

Fig. 13.



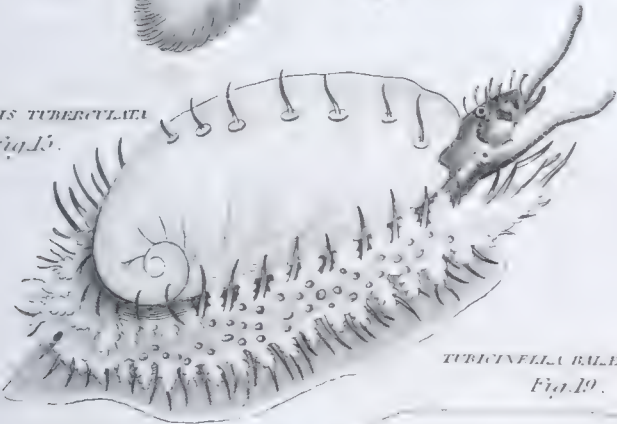
MODIOLUS VULGARIS.

Fig. 16.



HYLIS TUBERCLATA

Fig. 15.



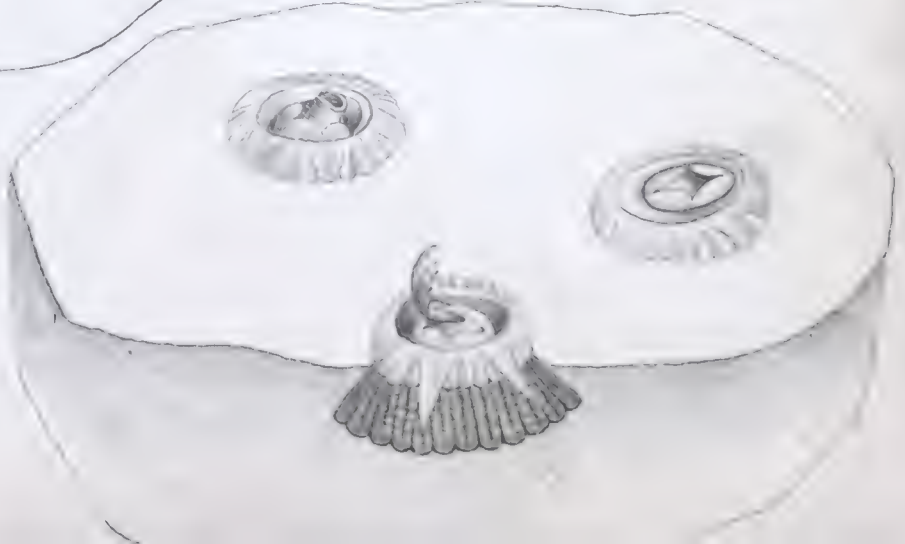
TURICINELLA BALENARUM.

Fig. 19.



CORONULA BALENARIS

Fig. 20.



(15)





Fig. 1



Fig. 2

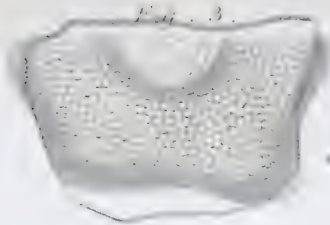


Fig. 3

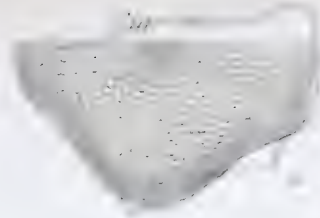


Fig. 4



Fig. 5



Fig. 6



Fig. 7

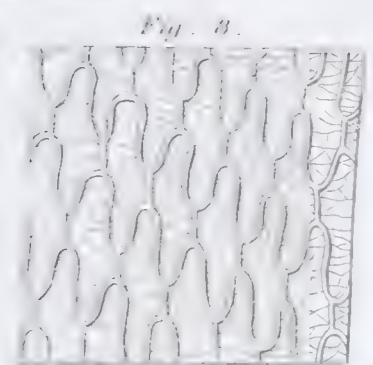


Fig. 8

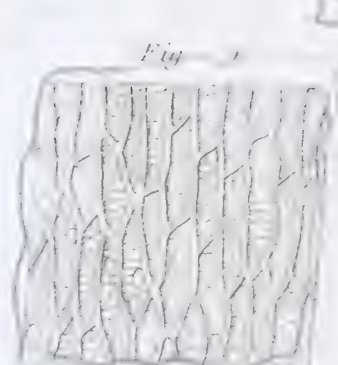


Fig. 9

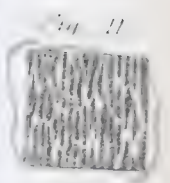


Fig. 11

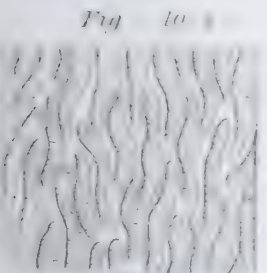


Fig. 10

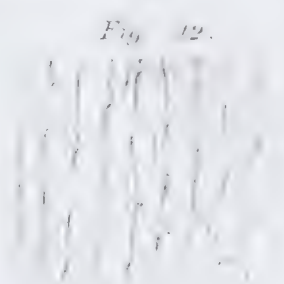


Fig. 12

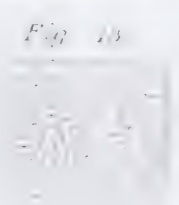


Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22

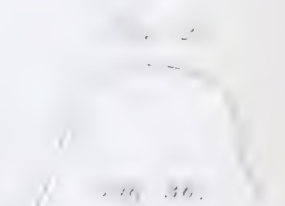


Fig. 23

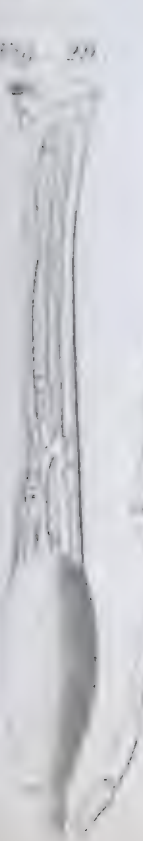


Fig. 29



Fig. 20



Fig. 21



Fig. 17

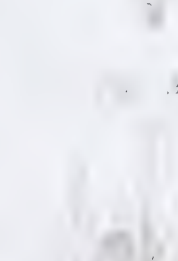


Fig. 30

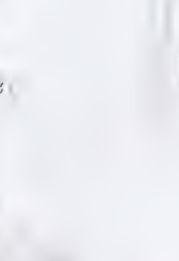


Fig. 22



Fig. 24



Fig. 25



Fig. 28



Fig. 27



Fig. 31



Fig. 32



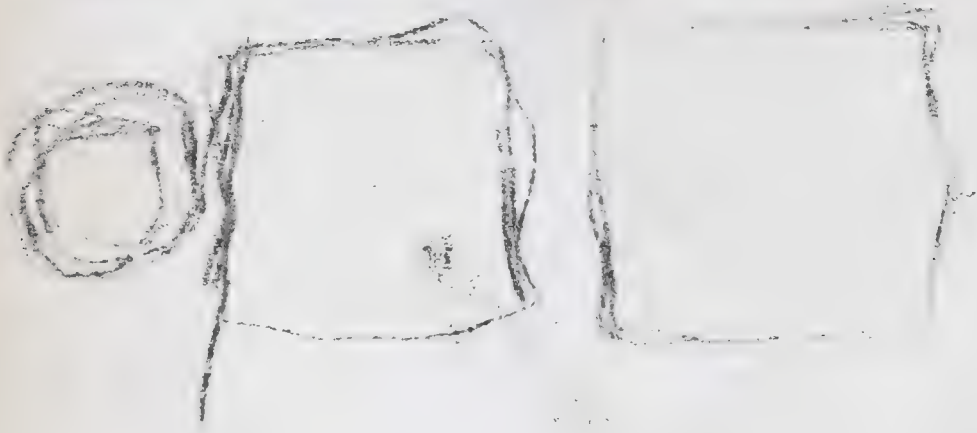
Fig. 33



Fig. 34



Fig. 35



MUSCI.

PLATE CCCII.

Fig. 1.



Fig. 2.



Fig. 3.

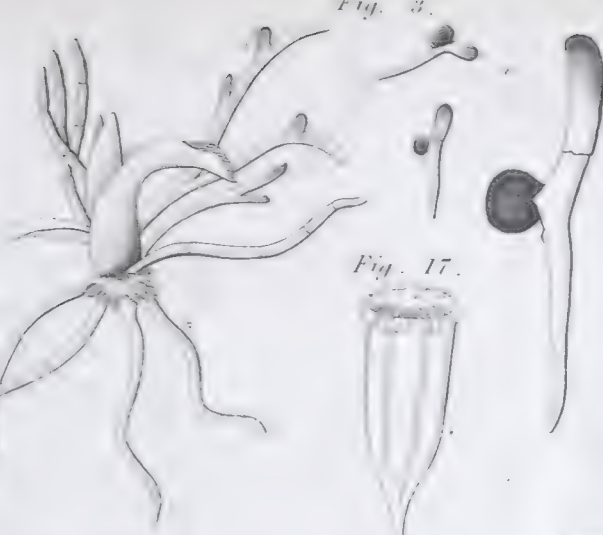


Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.



Fig. 13.



Fig. 17.



Fig. 9.



Fig. 10.



Fig. 11.



Fig. 12.



Fig. 14.



Fig. 15.



Fig. 16.



Fig. 18.

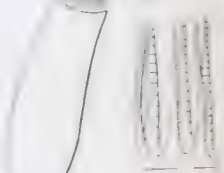


Fig. 22.



Fig. 19.

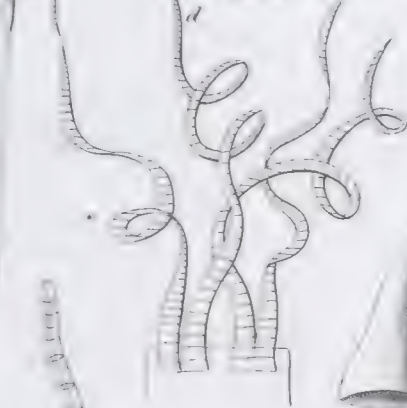


Fig. 21.



Fig. 20.



Fig. 23.

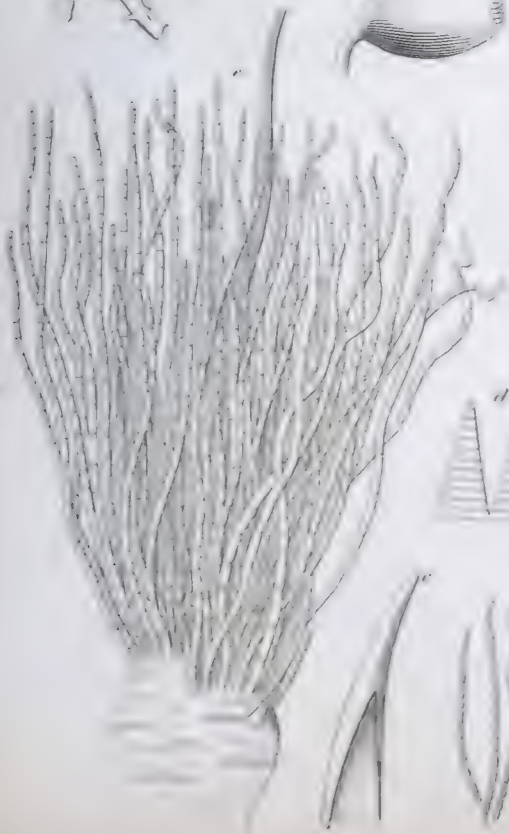
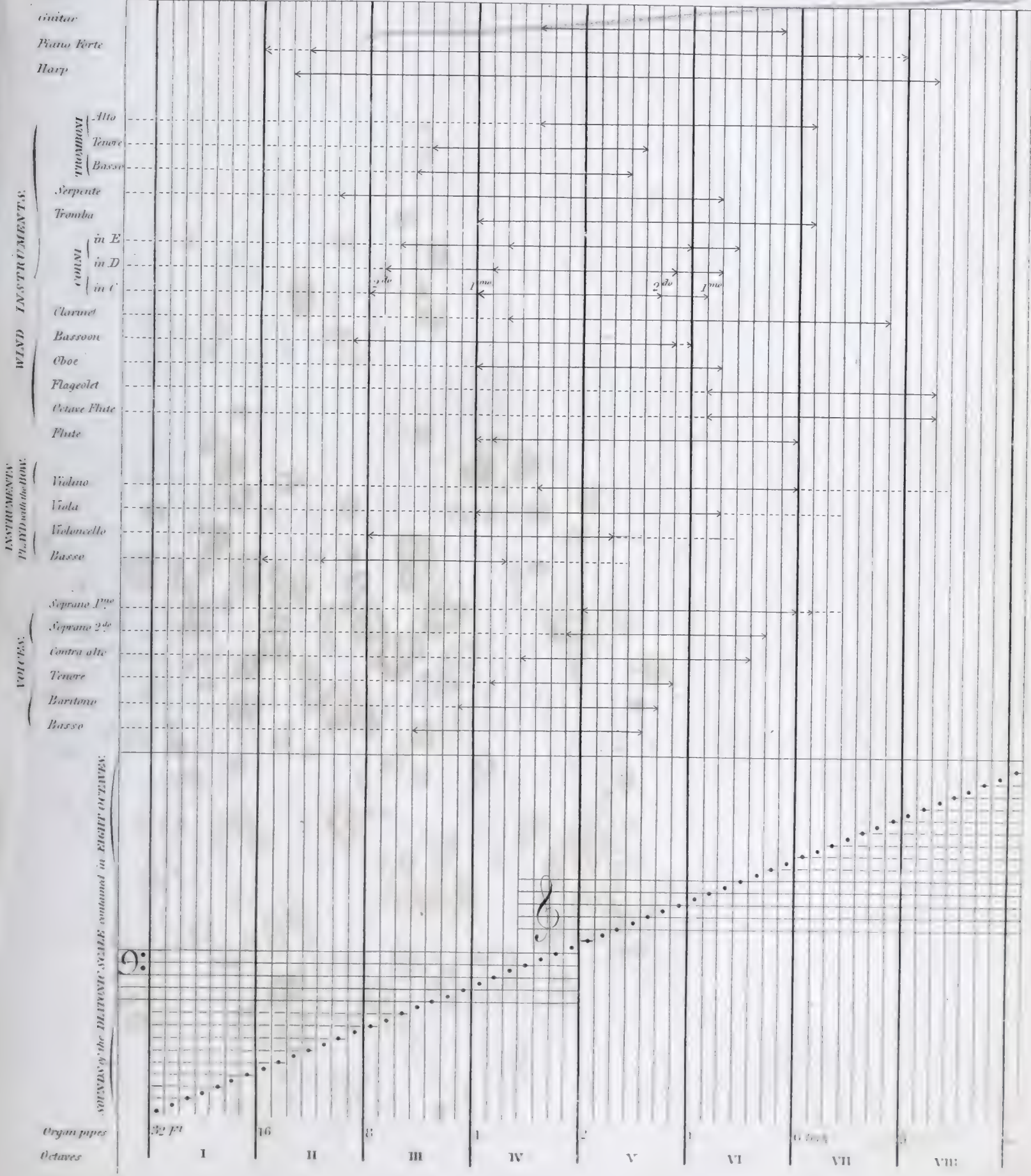




TABLE of the COMPASS of VOICES and INSTRUMENTS, SHEWING the PLACE EACH OCCUPIES in the SCALE.



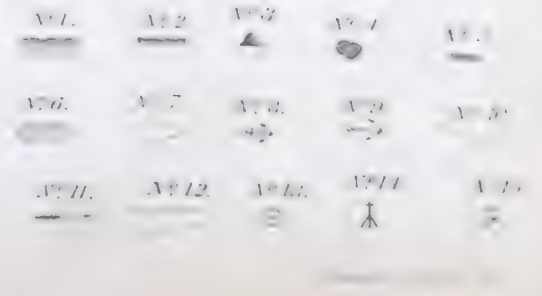
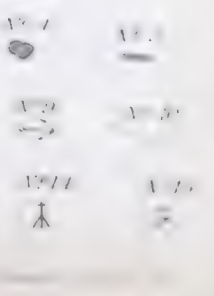
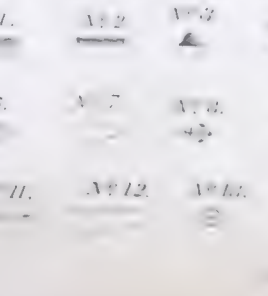
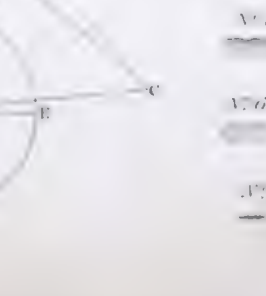
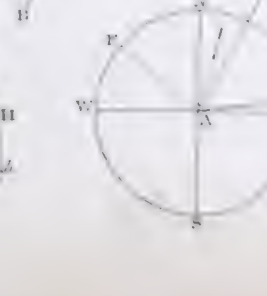
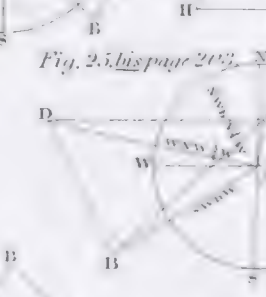
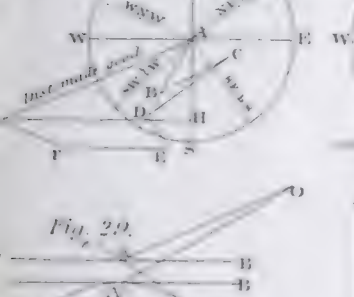
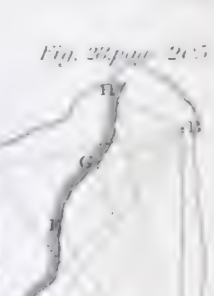
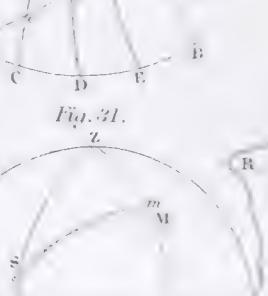
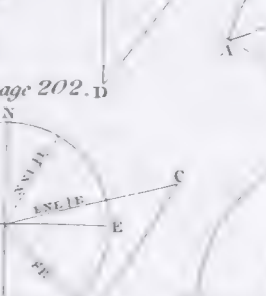
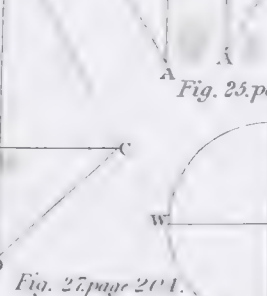
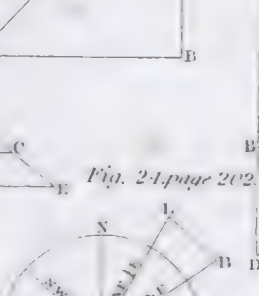
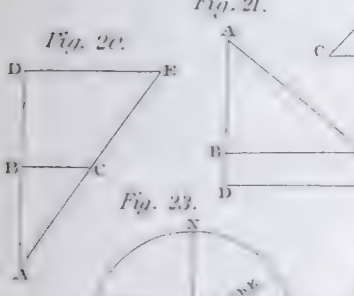
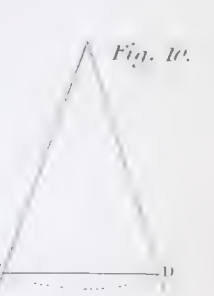
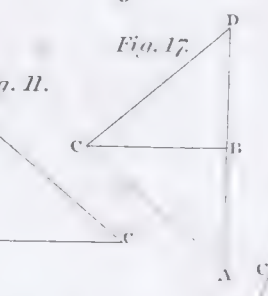
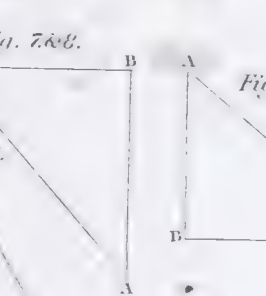
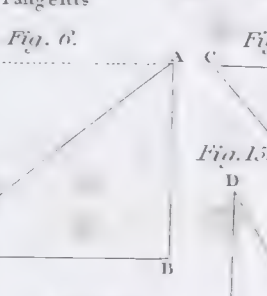
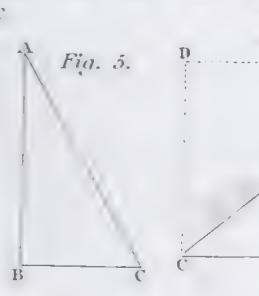
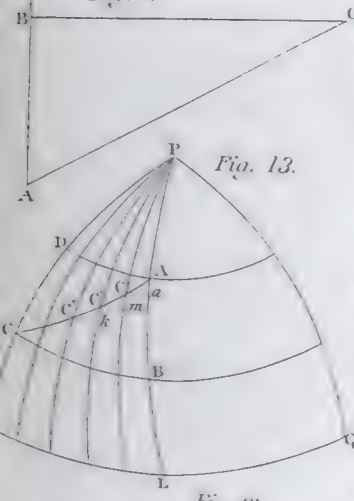
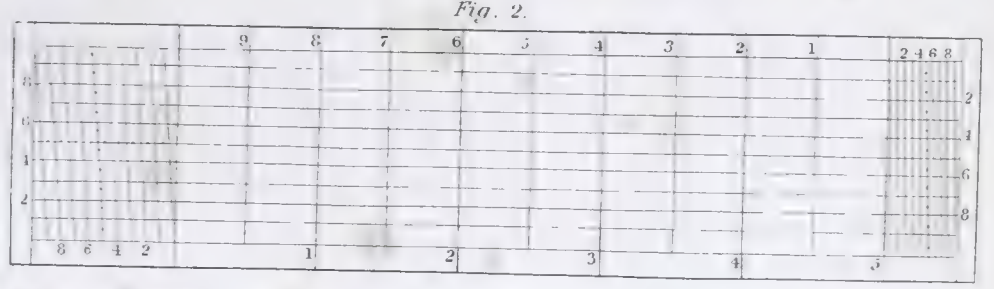
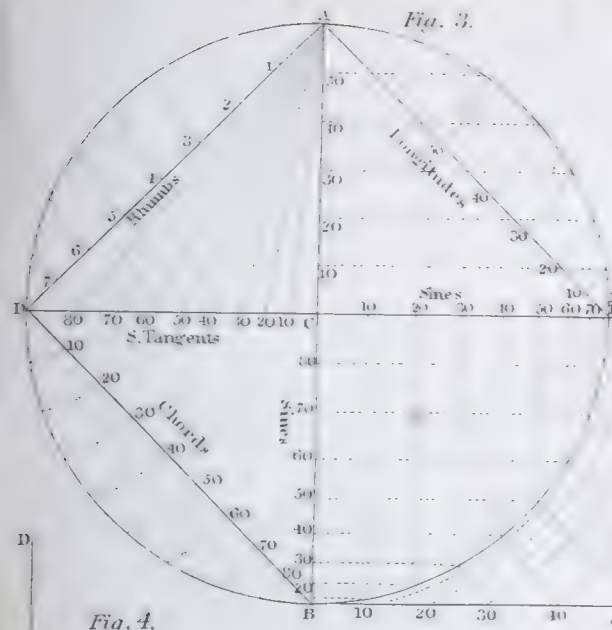
SONDS of the DIATONIC SCALE contained in EIGHT OCTAVES.

C:

Octaves I II III IV V VI VII VIII

Organ pipes 32 Ft 16 8 4 2 1 1/2 1/4 1/8 1/16





NAVIGATION INLAND. *PLATE CCCCVI.*

WEARS

Fig. 1.

Wear Constructed by Mr Smeaton on the River Carron

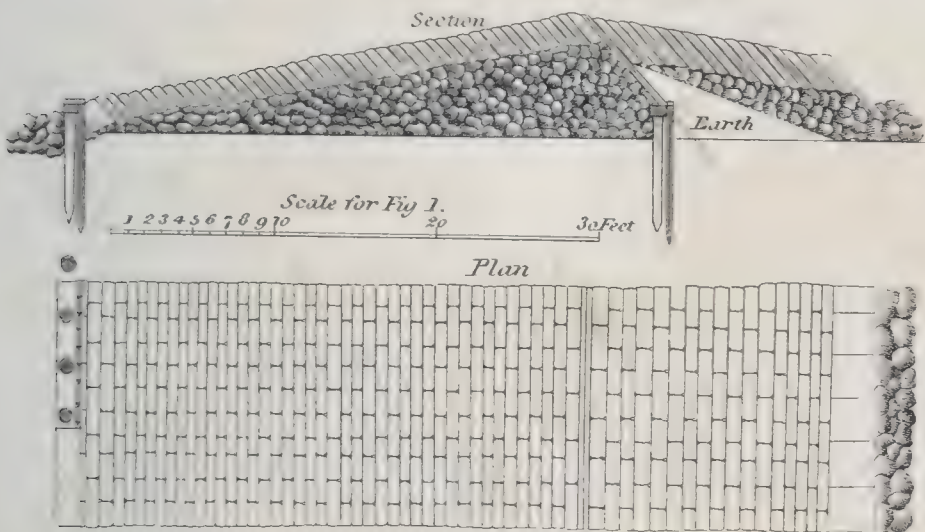
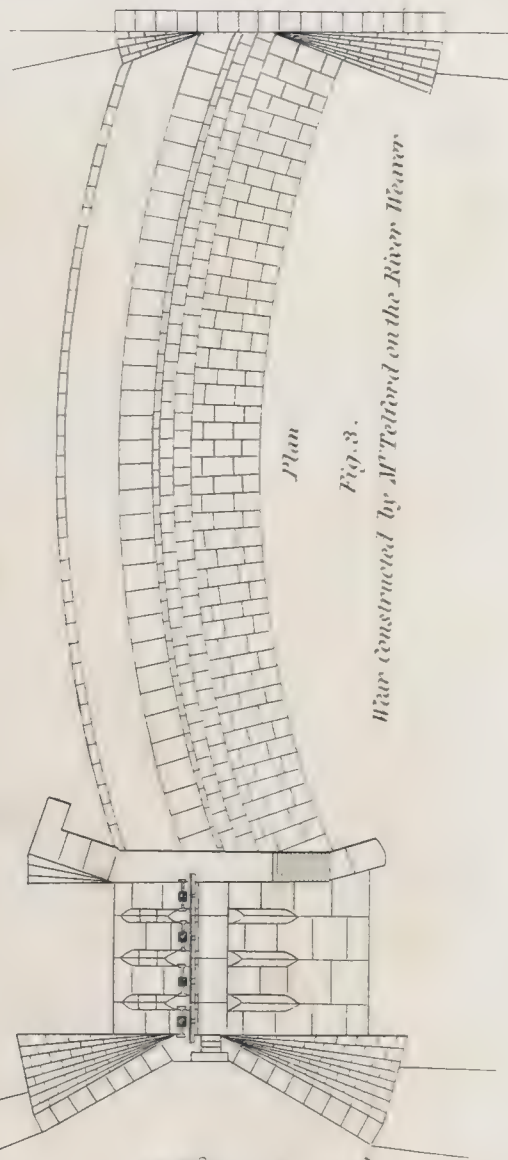
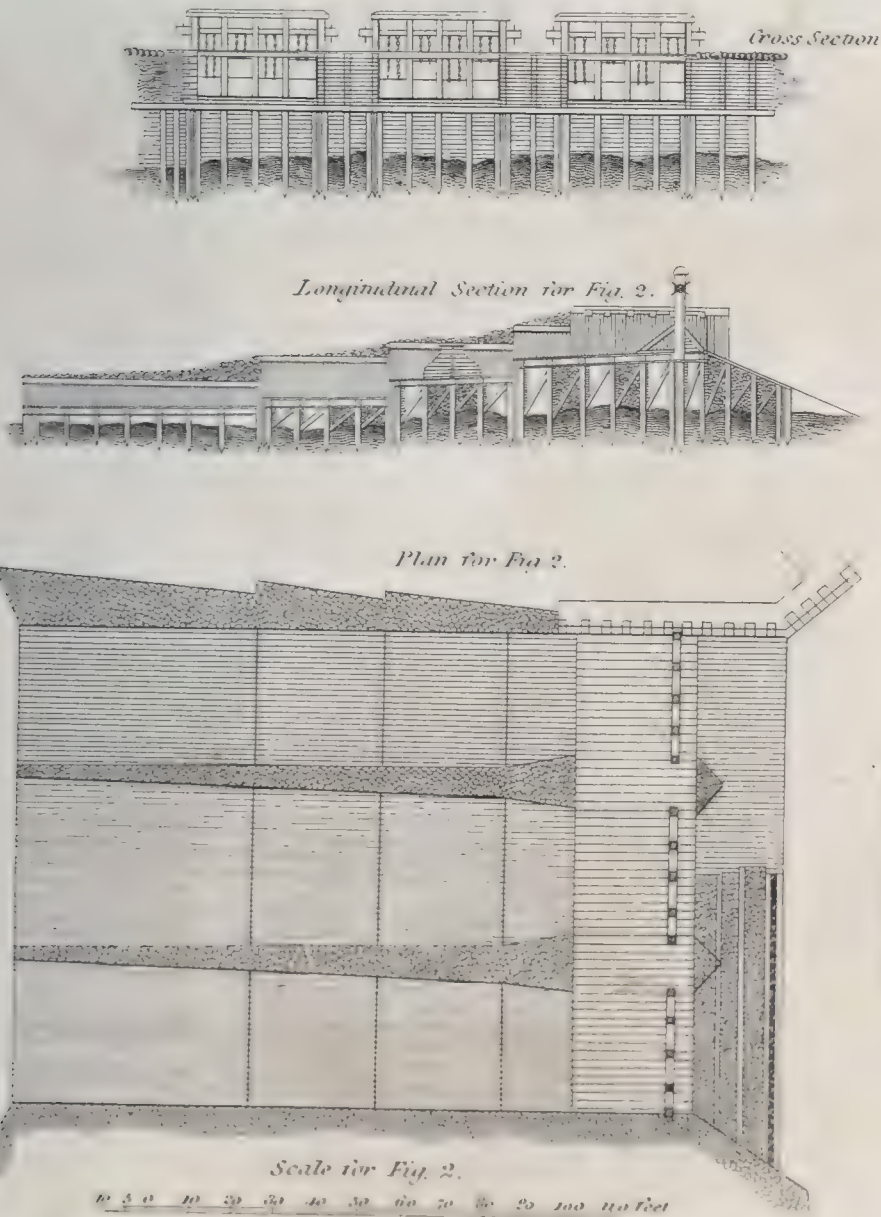


Fig. 2.

Wooden Wear with Sluices Constructed on the River Wittogra in Russia.



Cross Section for Fig. 3.



Part of Elevation of Fig. 3.

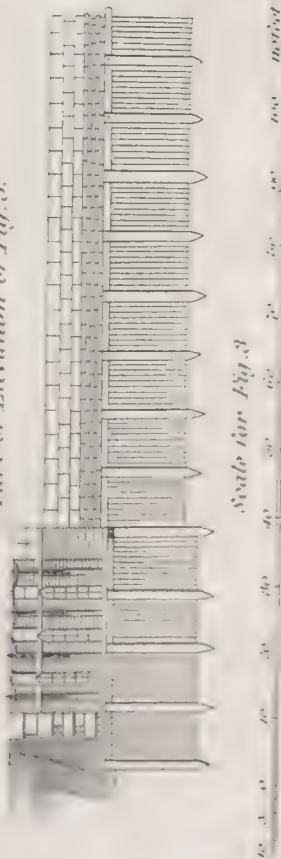


Fig. 1.

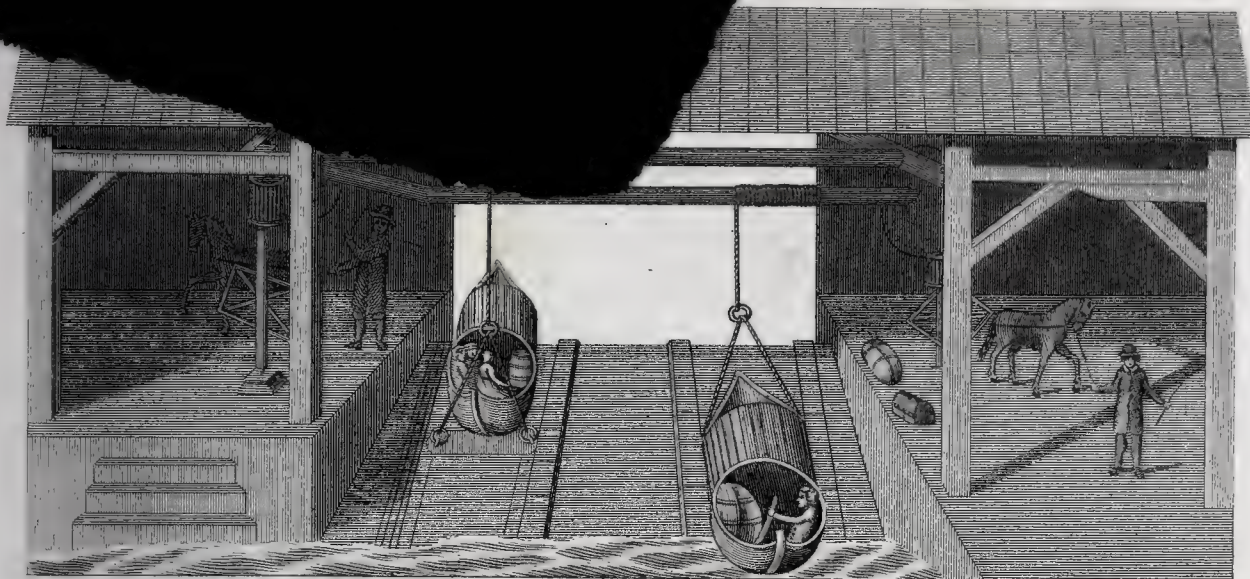
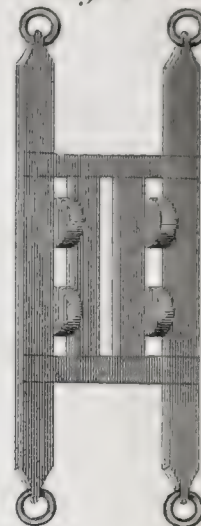


Fig. 4.

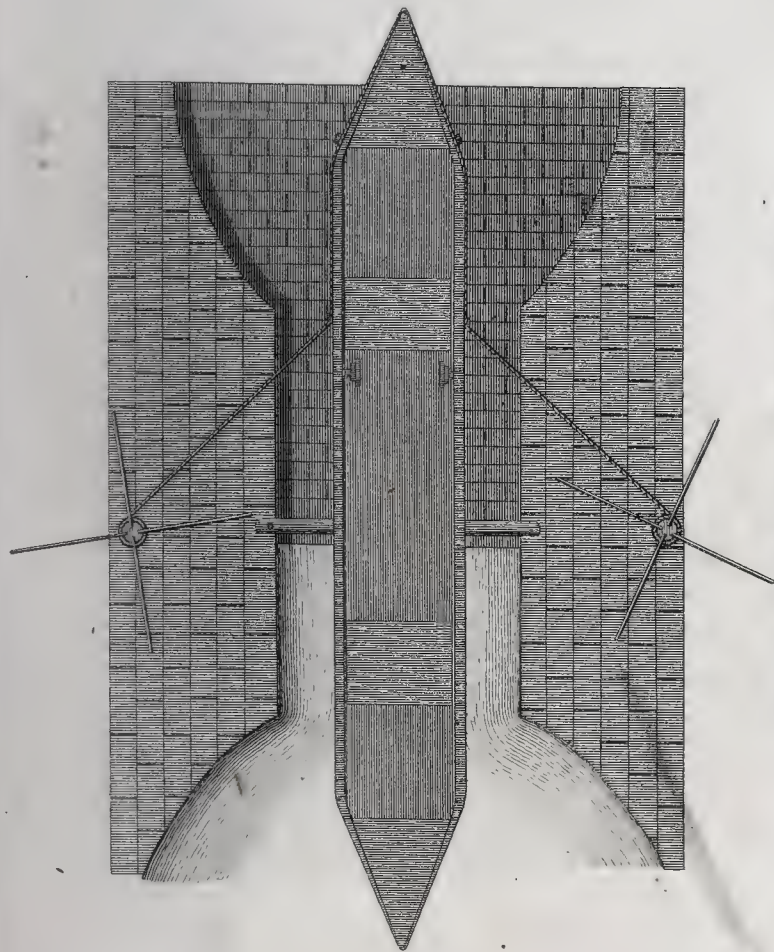


Fig. 3.

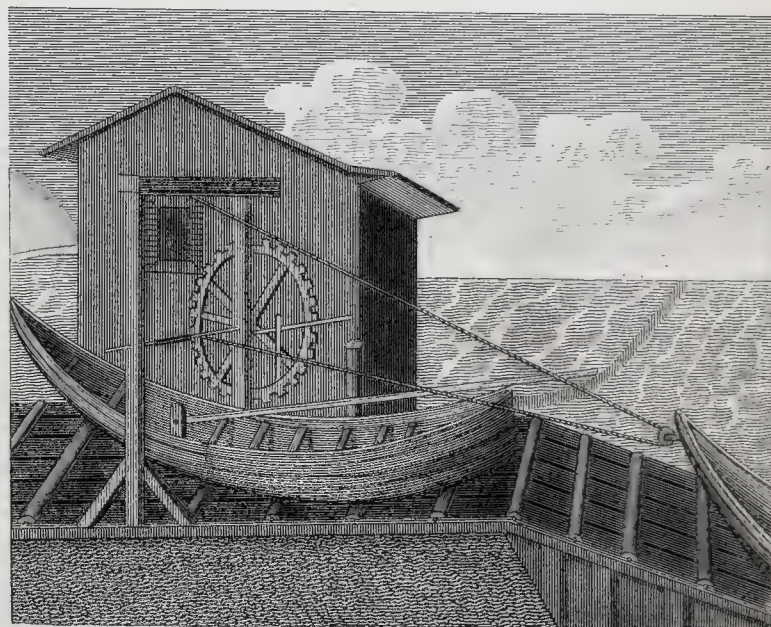
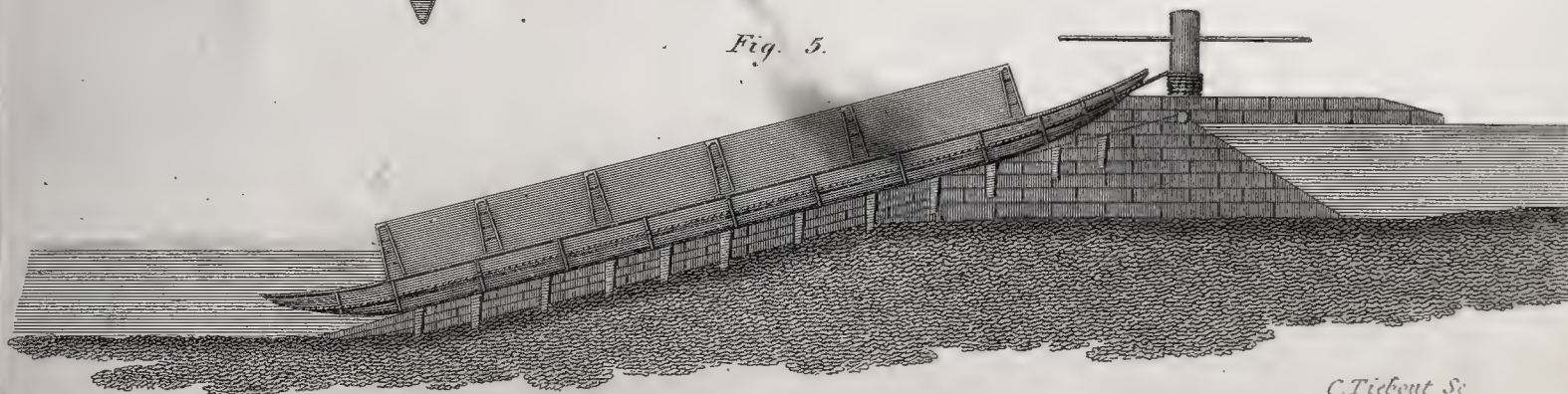
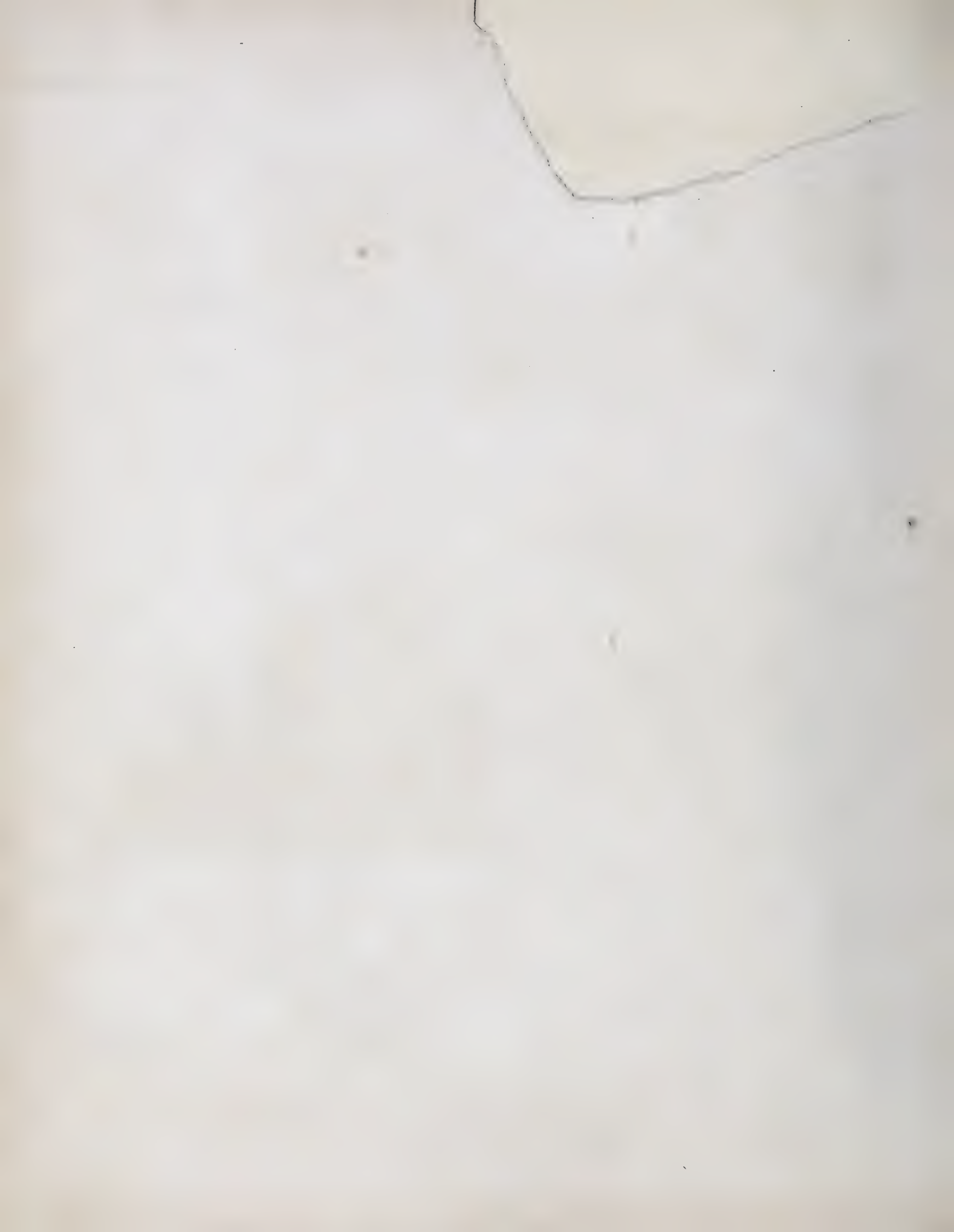


Fig. 5.





CANAL CUTTING

Fig. 1.

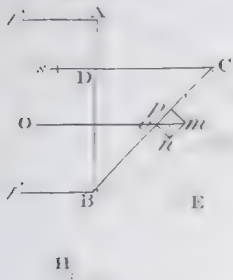


Fig. 2.

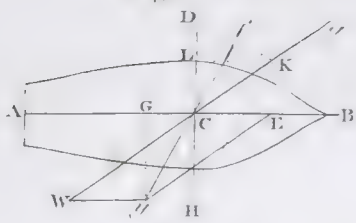


Fig. 3.

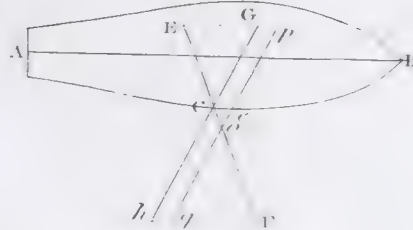


Fig. 3.

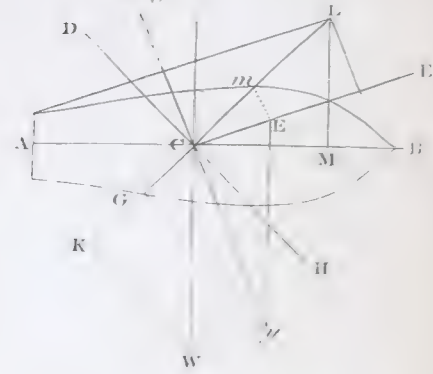


Fig. 5.
Prob. I. Case 1.

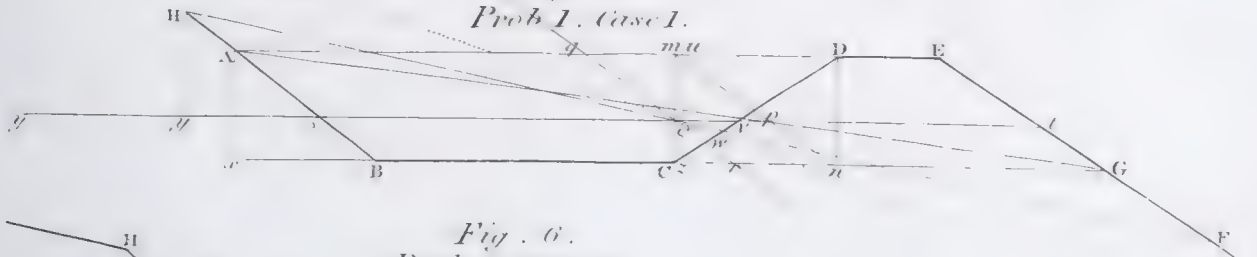


Fig. 6.
Prob. I. Case 2.

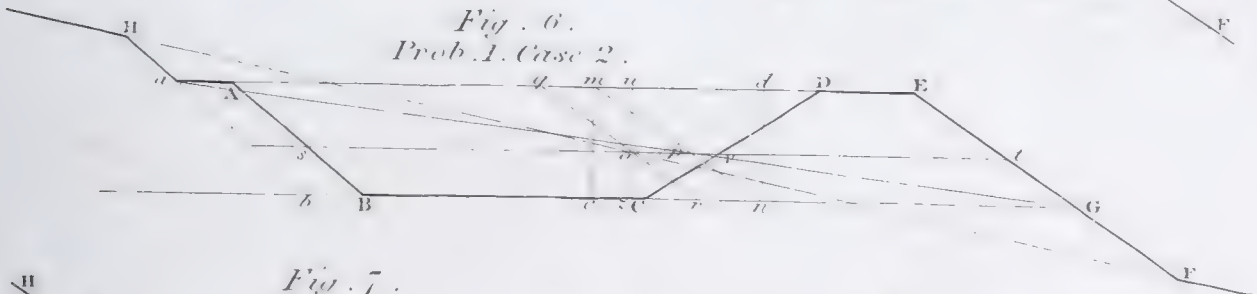


Fig. 7.
Prob. II.

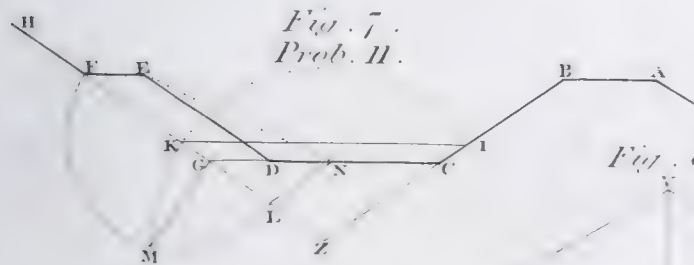


Fig. 8.

Prob. III.

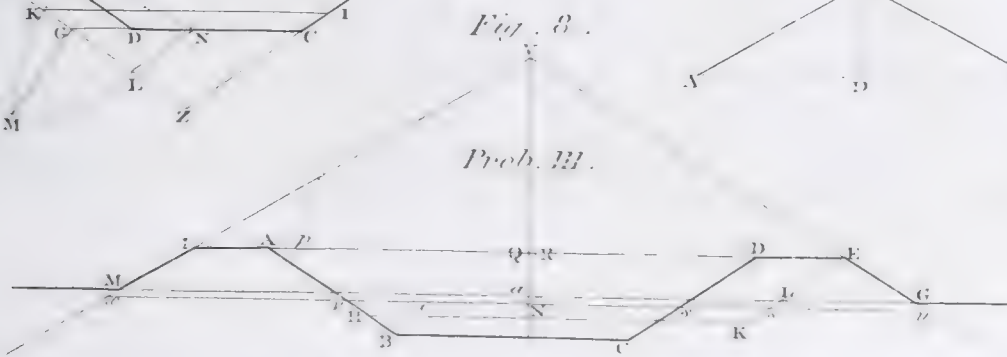


Fig. 9.

Prob. IV.

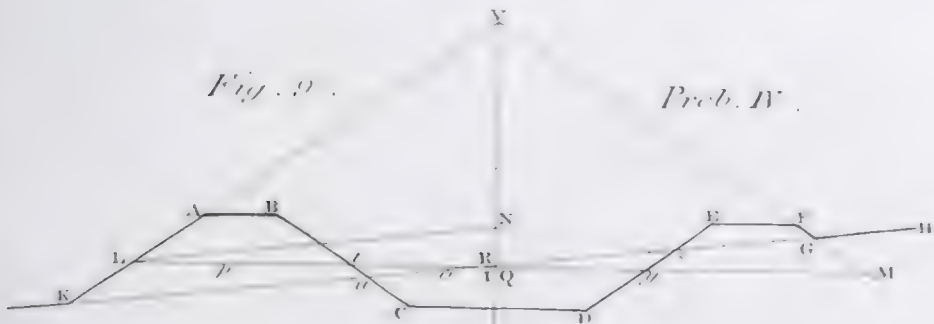


Fig. 10.
Prob. V.

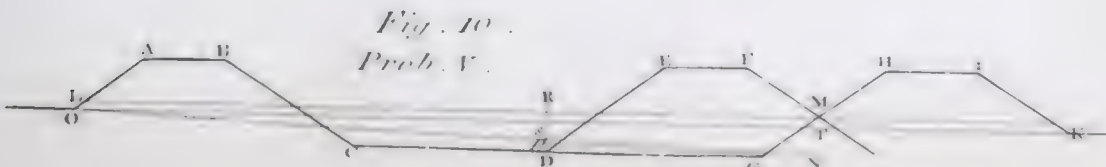


Fig. 12

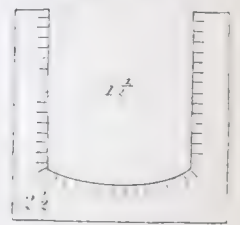


Fig. 13



Fig. 14

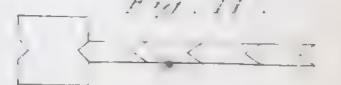


Fig. 11





Fig. 1. Single Lock on LANGUEDOC CANAL.

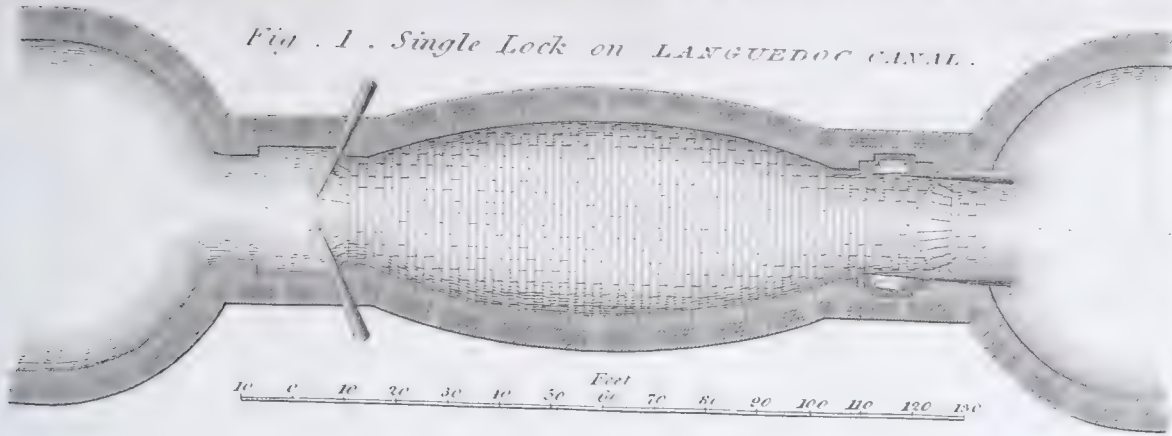


Fig. 2.



Fig. 7. Circular Lock at Aude.

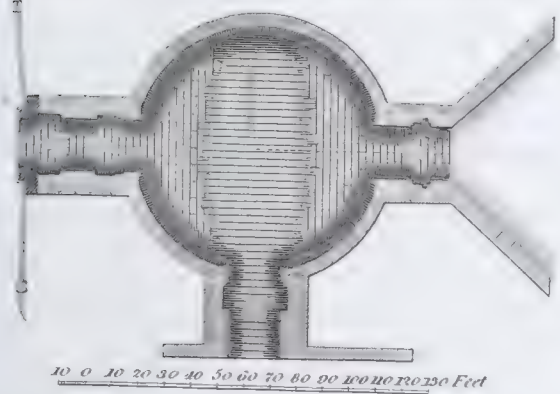


Fig. 3.

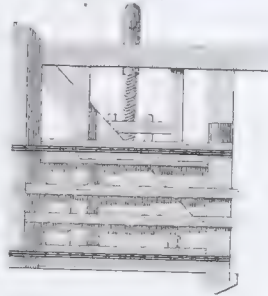


Fig. 4.

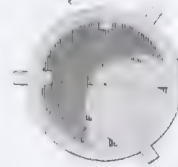


Fig. 5.

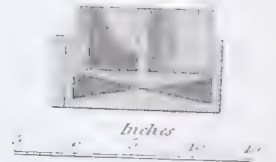
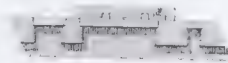


Fig. 6.



Section. CANAL OF BURGUNDY.

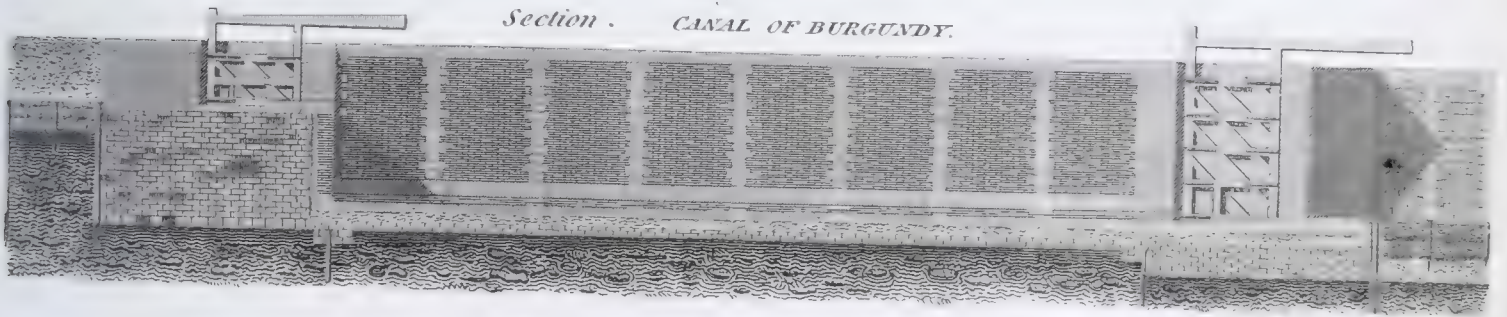


Fig. 9. Plan of the above.

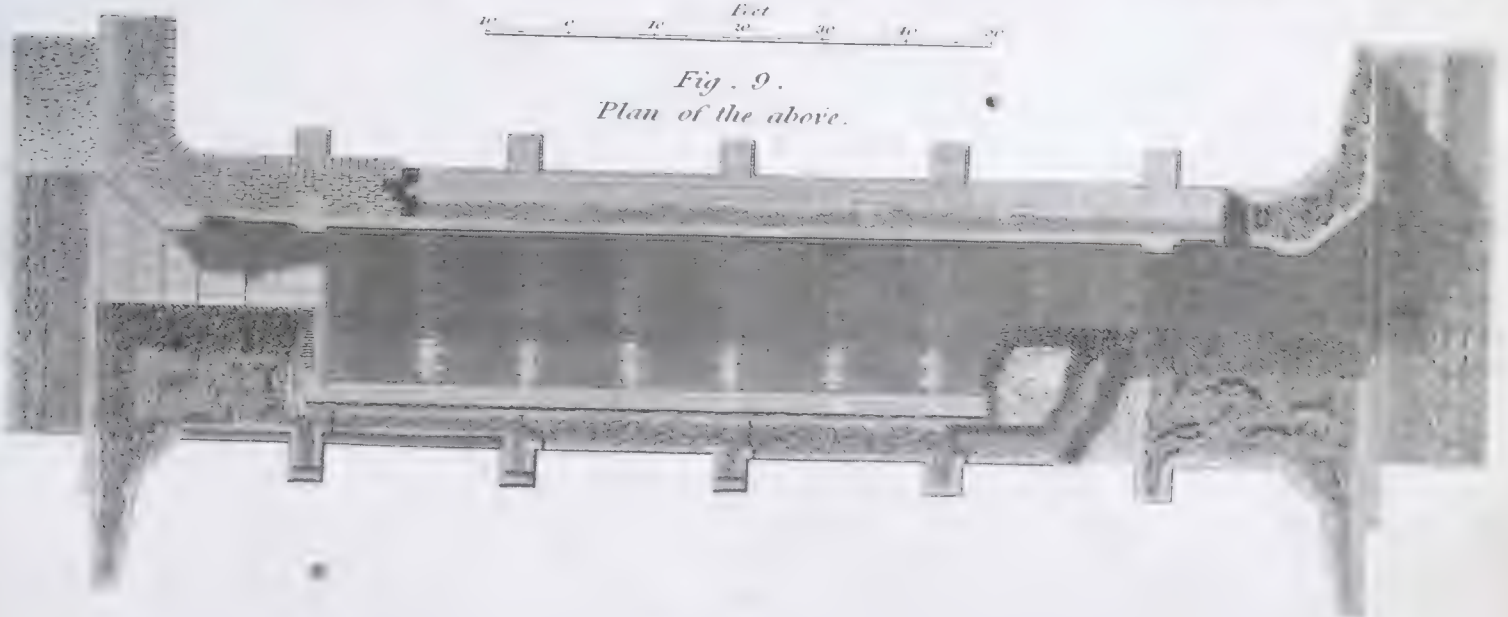




Fig. 1. CALEDONIAN CANAL.

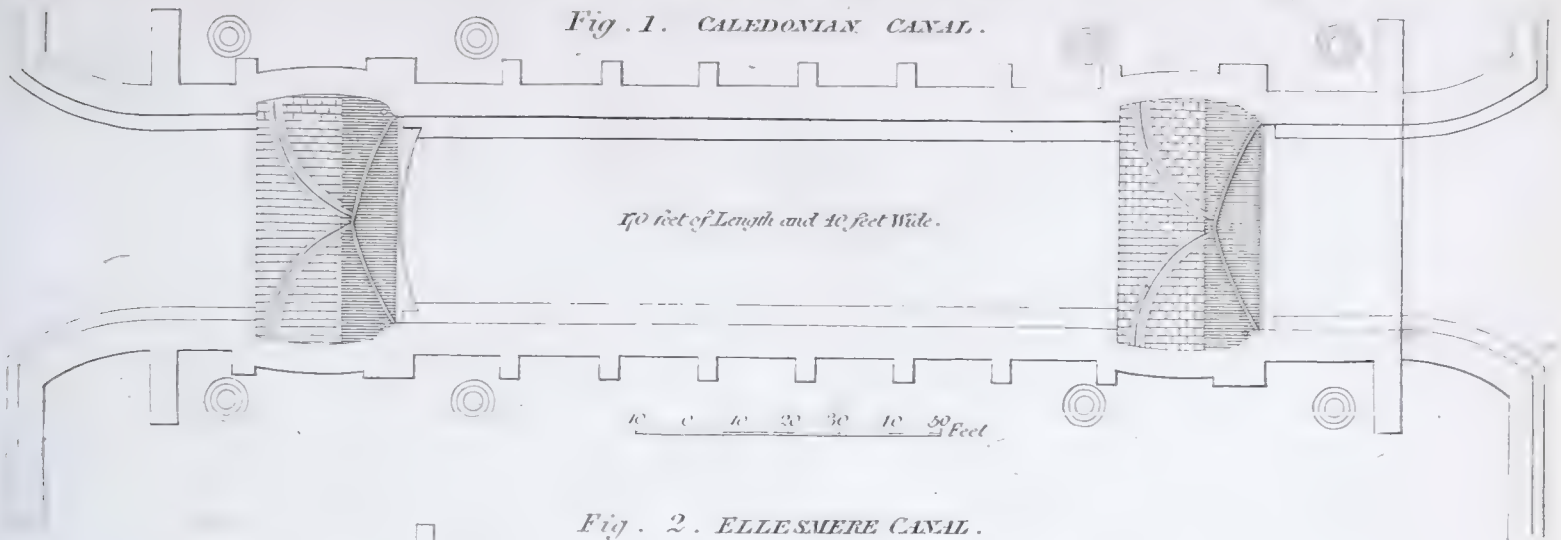


Fig. 2. ELLESMERE CANAL.

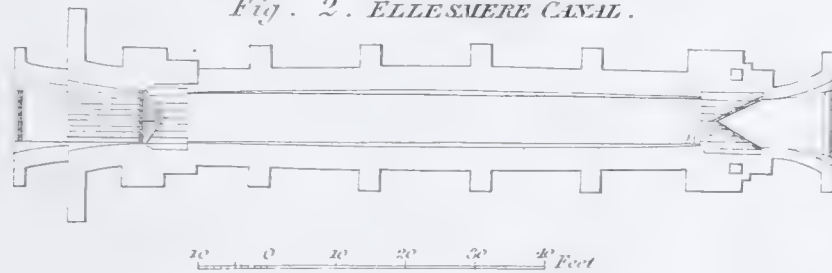


Fig. 4. Section.

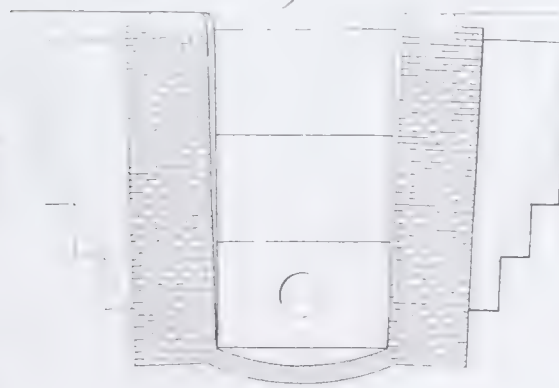


Fig. 5.

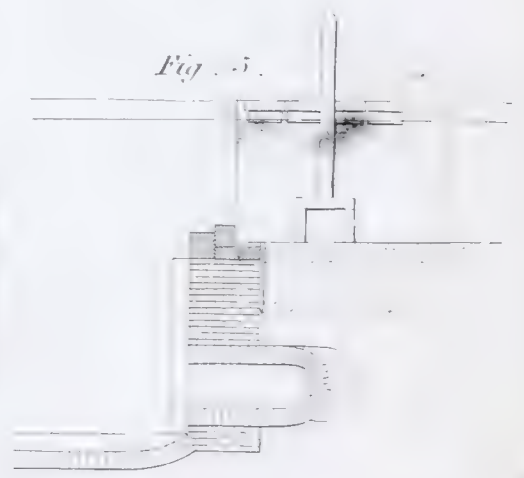


Fig. 3.

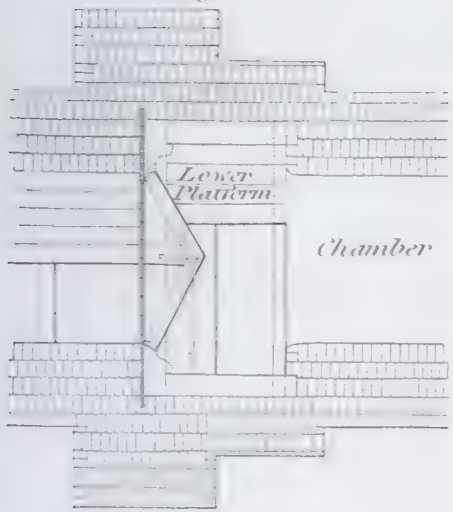


Fig. 6.



Fig. 7. Forebay.

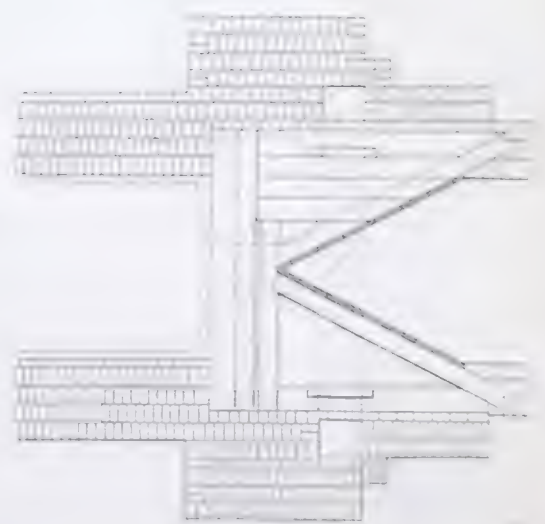
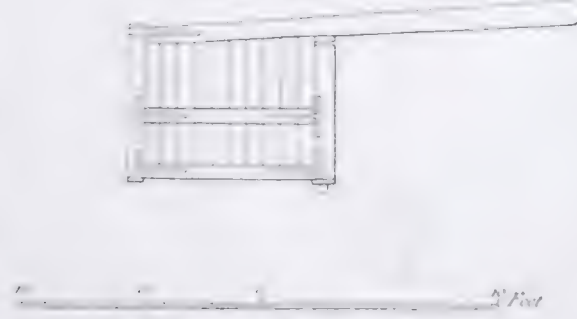


Fig. 8. Lower Gate.

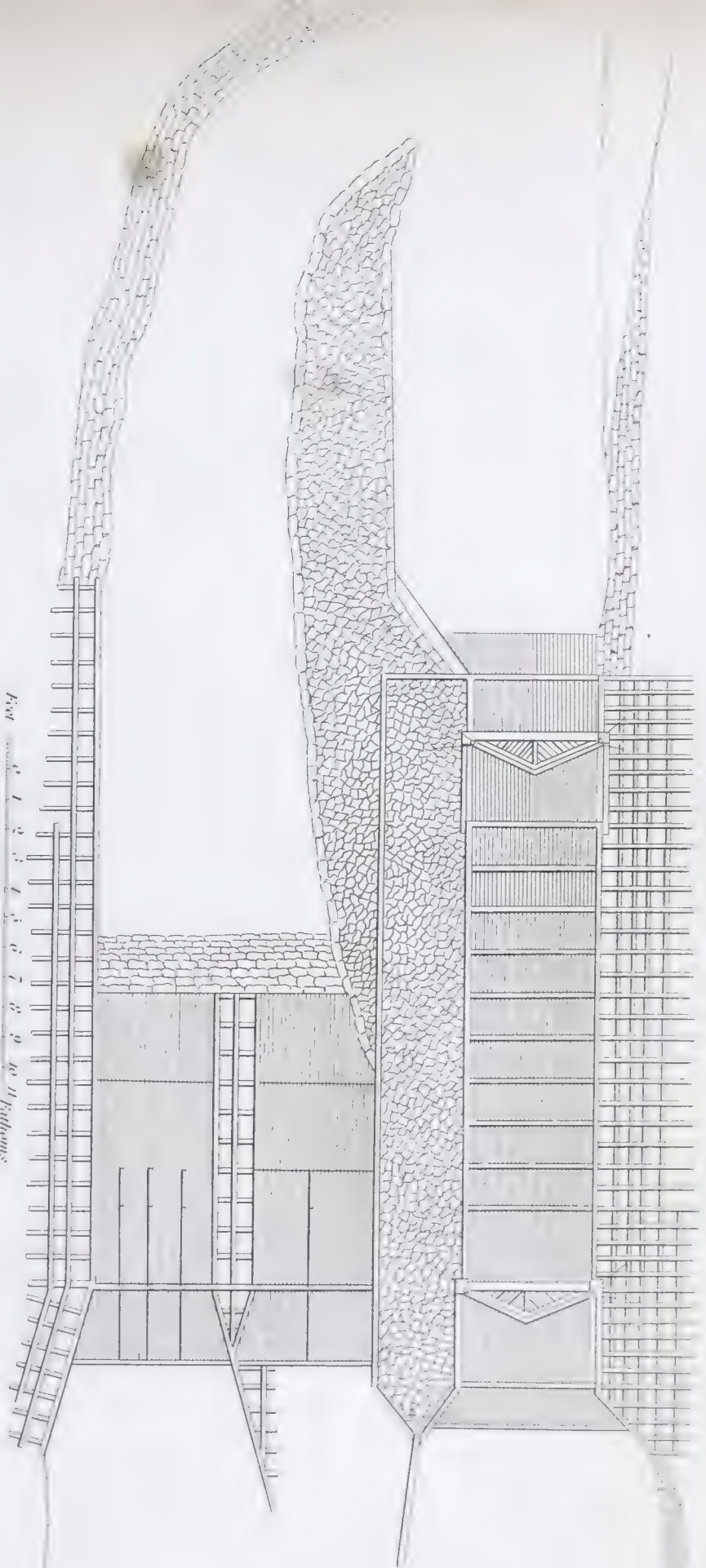


Fig. 9. Upper Gate.



NAVIGATION, INLAND.

Fig. 1. RUSSEL'S LOCK



Foot
1 2 3 4 5 6 7 8 9
in 11 feet

Fig. 2.

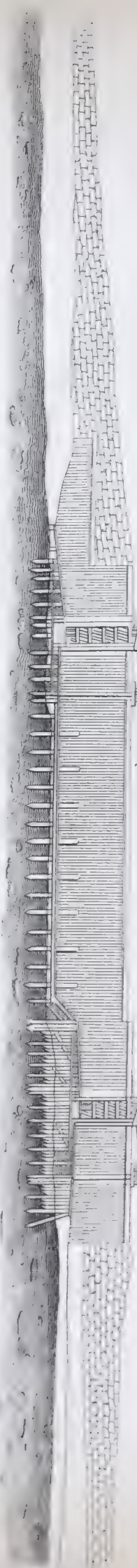
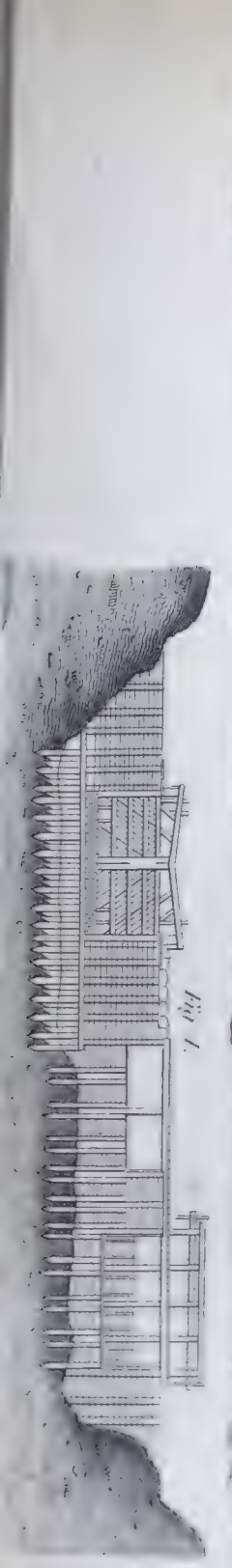
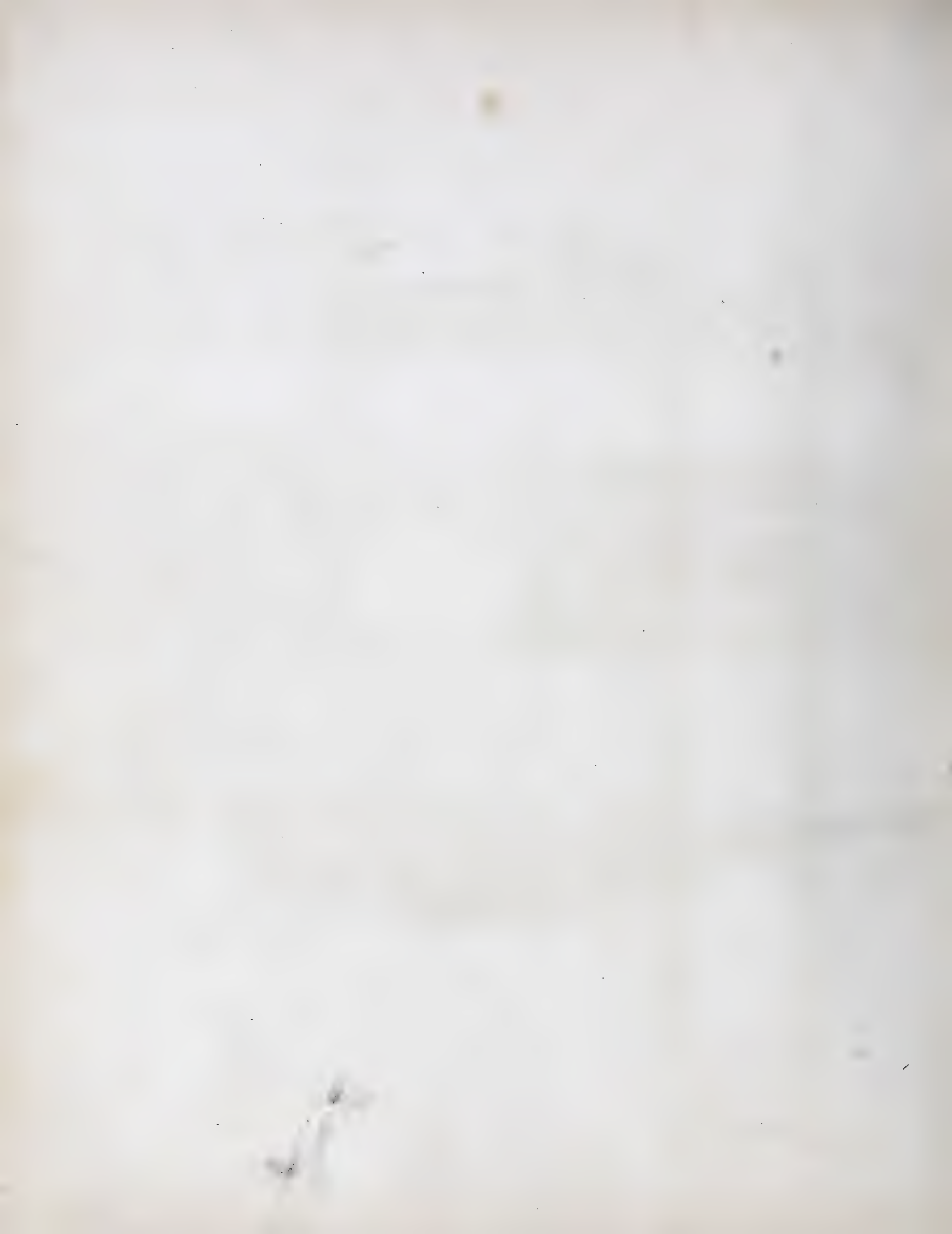


Fig. 3.

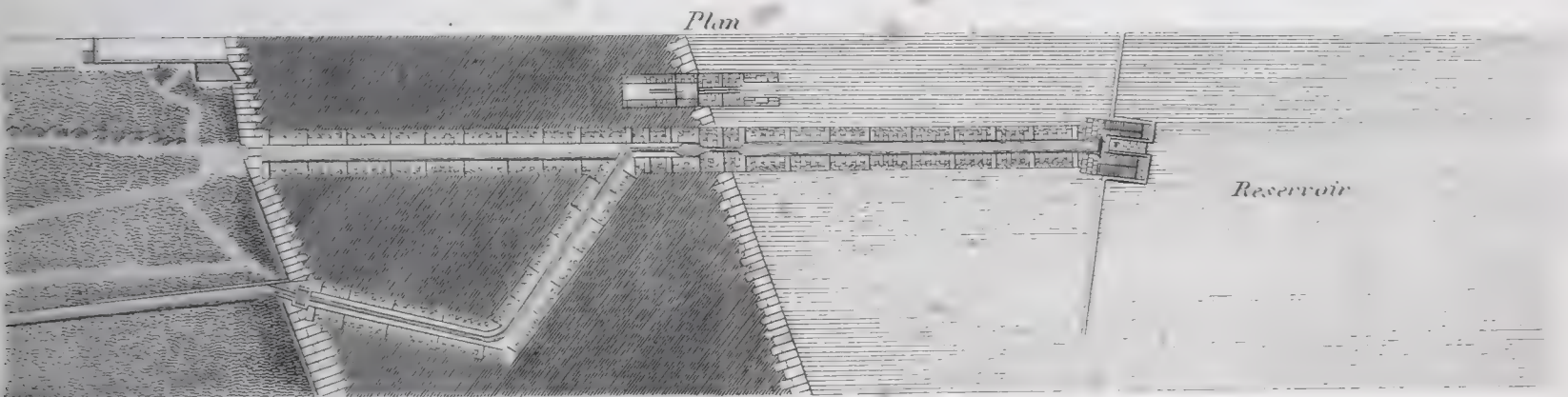
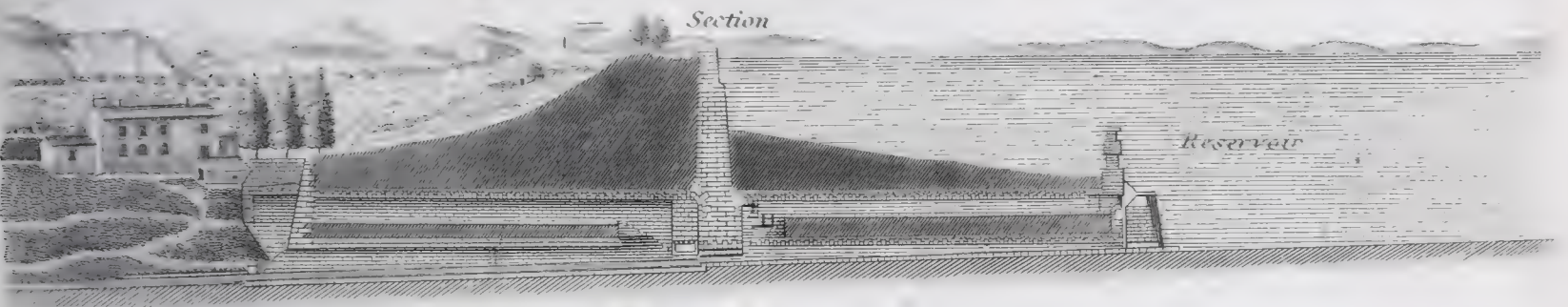


Fig. 1.



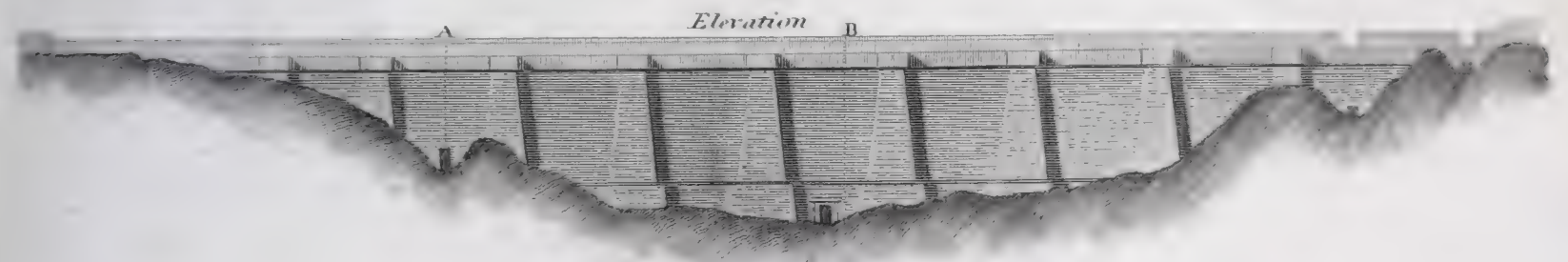


Plan and Section of the RESERVOIR of S^r FERRIOL on the LANGUEDOC CANAL.



0 20 40 60 80 100 120 140 160 180 200 Feet

Elevation and Section of the EMBANKMENT of the LAMPY RESERVOIR on the LANGUEDOC CANAL.



Section at AA

Section at BB



0 20 40 60 80 100 Feet



NAVIGATION INLAND. PLATE CCCCXIII.

Fig. 1.

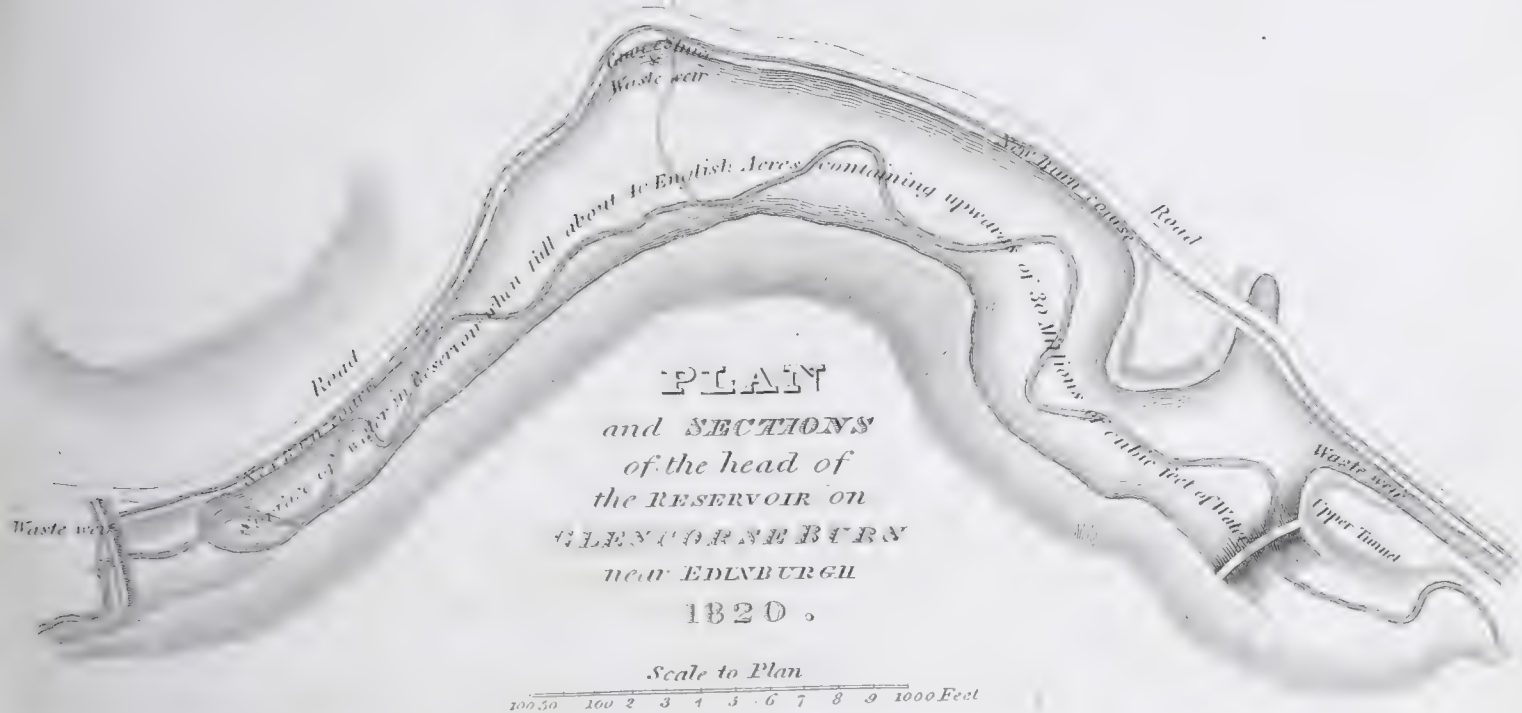


Fig. 2.

Section across the VALLEY of GLENCORSE BURN or LONGITUDINAL SECTION of the HEAD

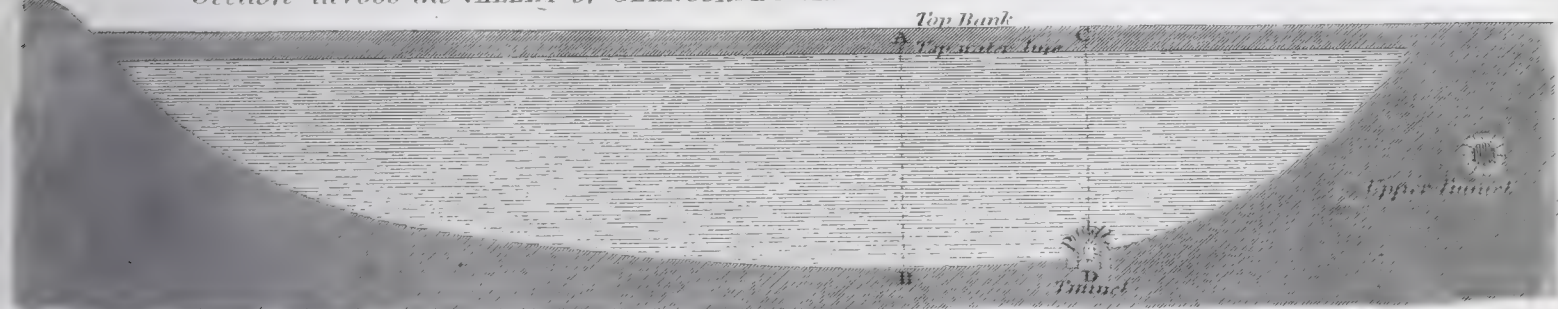


Fig. 3.

Cross Section of the HEAD in the LINE AB of the LONGITUDINAL SECTION

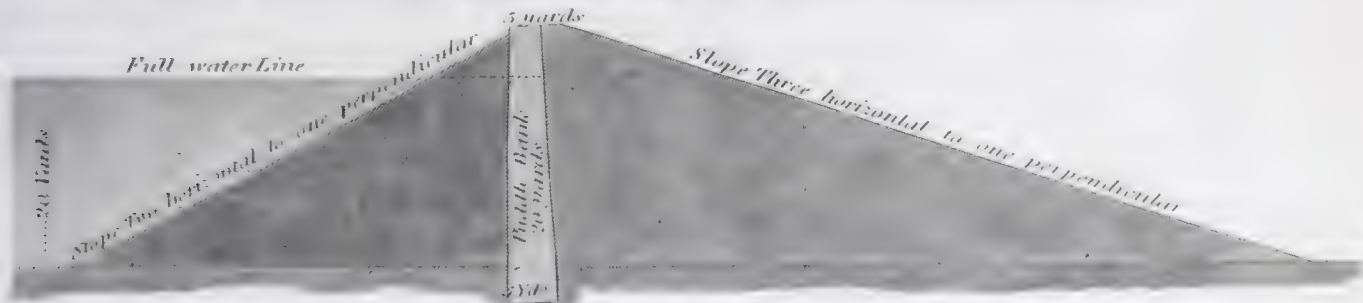
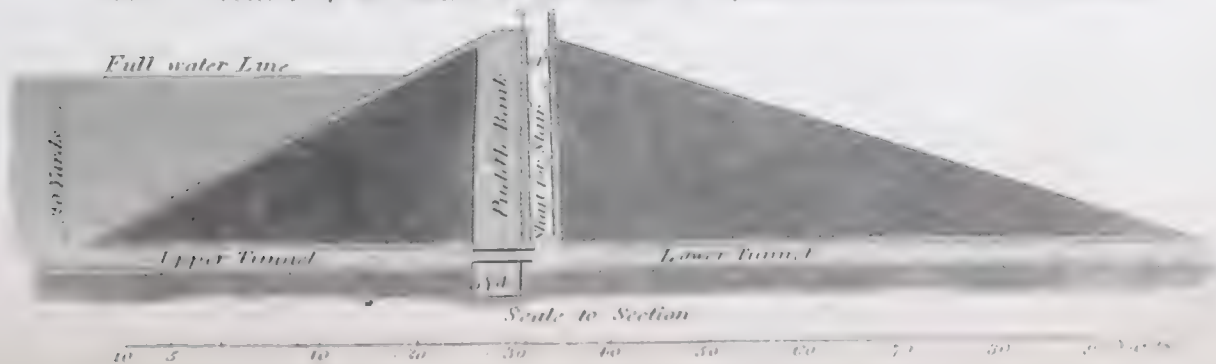


Fig. 4.

Cross Section of the HEAD in the LINE CD of the LONGITUDINAL SECTION



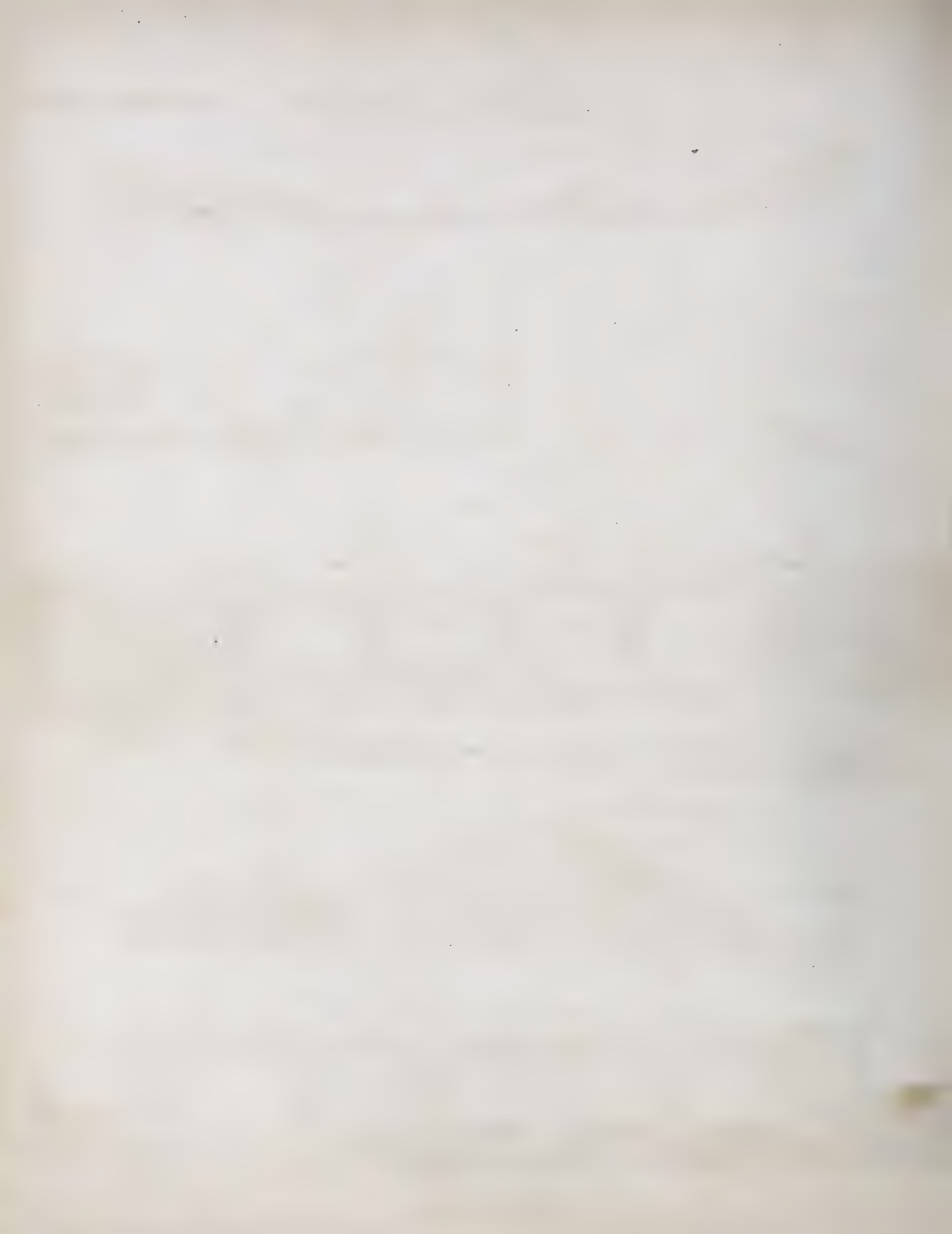


Fig. 1. AQUEDUCT DE CESSÉ LANGUEDOC CANAL.

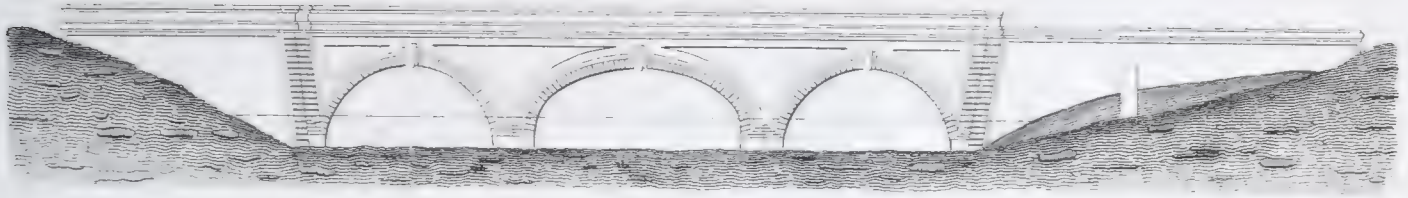


Fig. 2.

Plan and Section of the above

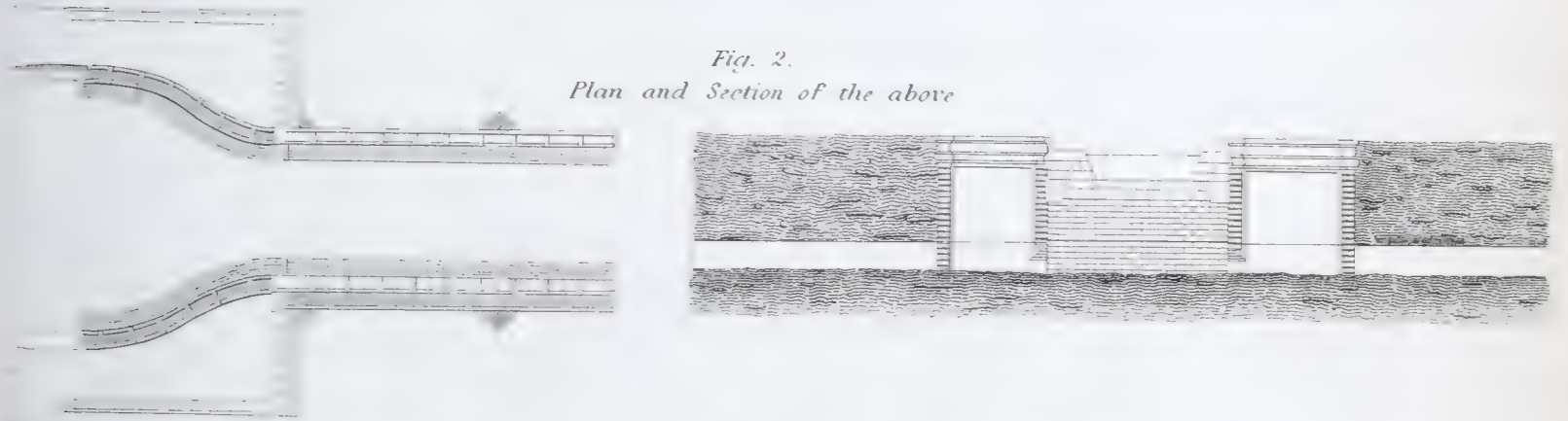


Fig. 3.

KELVIN AQUEDUCT ON THE FORTH AND CLYDE CANAL.

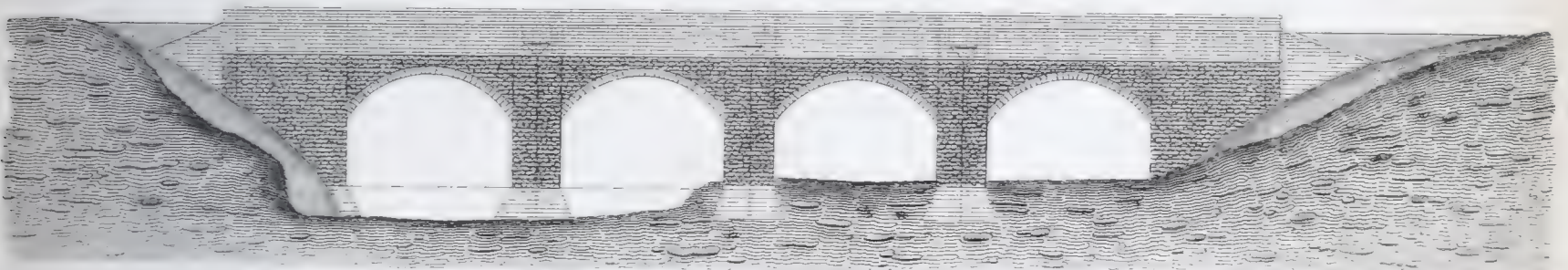


Fig. 4. Plan and Section of the above

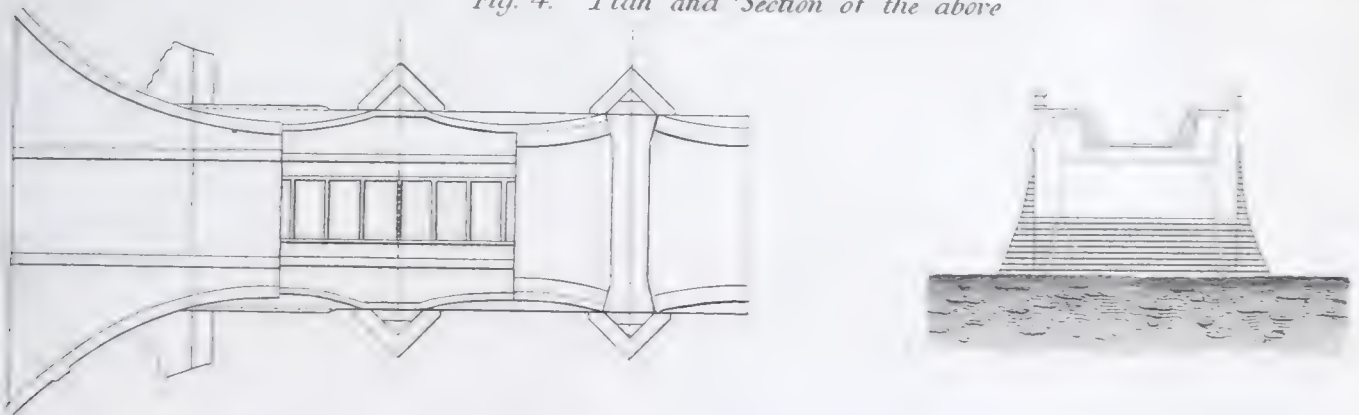


Fig. 5. LUNE AQUEDUCT LANCASTER CANAL.



NAVIGATION, INLAND.

Red. (mm) 1/1000000.

PLATTE CCCVI.



Fig. 2. PONTONSIDE AQUEDUCT.

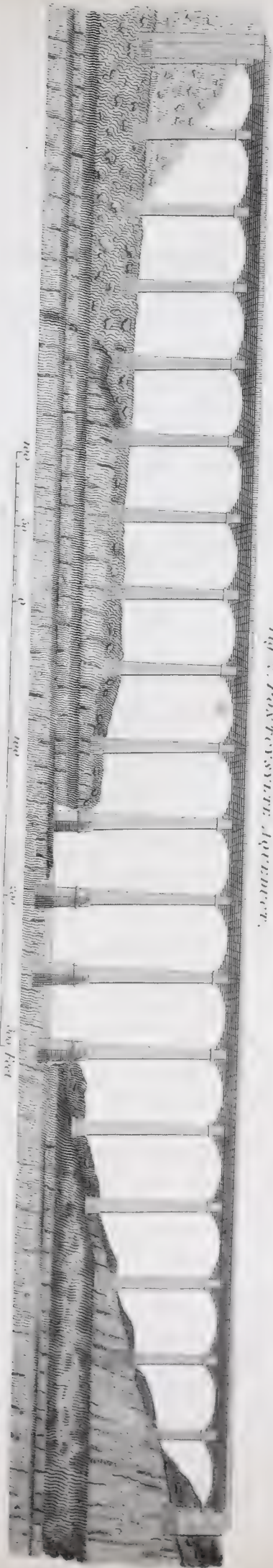


Fig. 3. ONE ARCH PONTONSIDE.

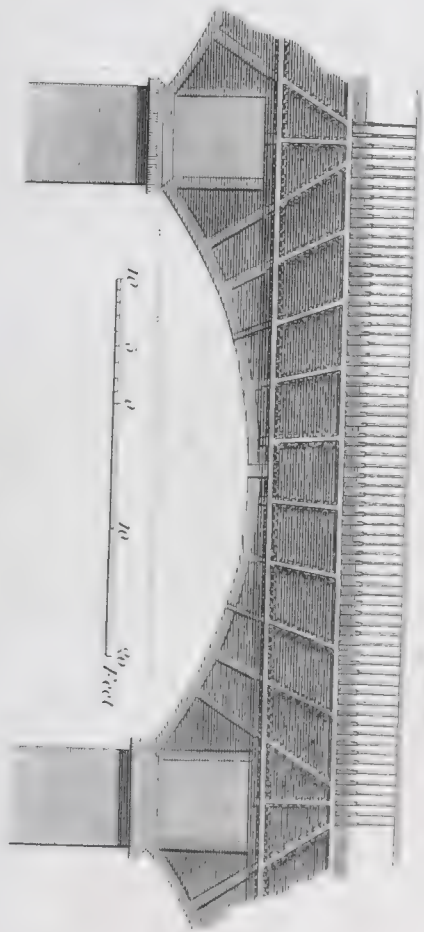


Fig. 4. Section CHURCH.

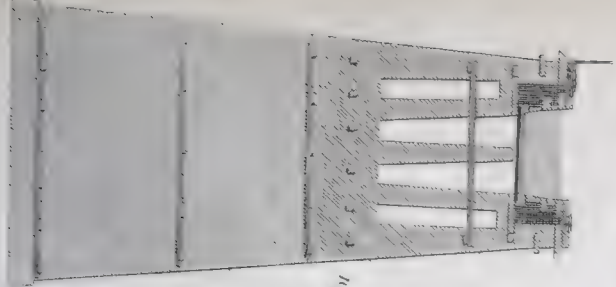


Fig. 5. Truss on Pier at Spinning

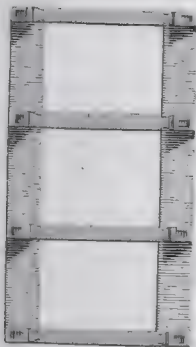


Fig. 6. Truss on Pier at Spinning

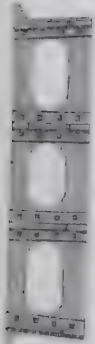
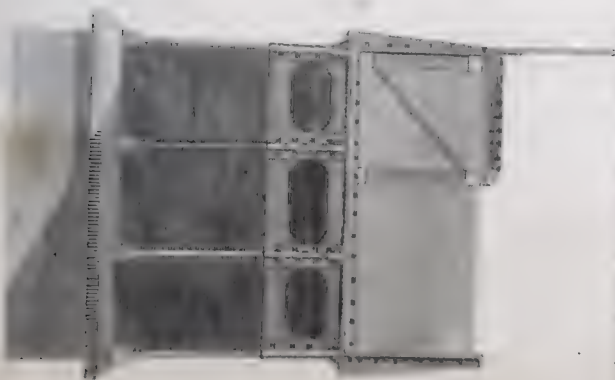


Fig. 7. Bottom Plate



Fig. 8. Section PONTONSIDE



NAVIGATION INLAND. PLATE CCCXVI.

Fig. 1
Draw Bridge

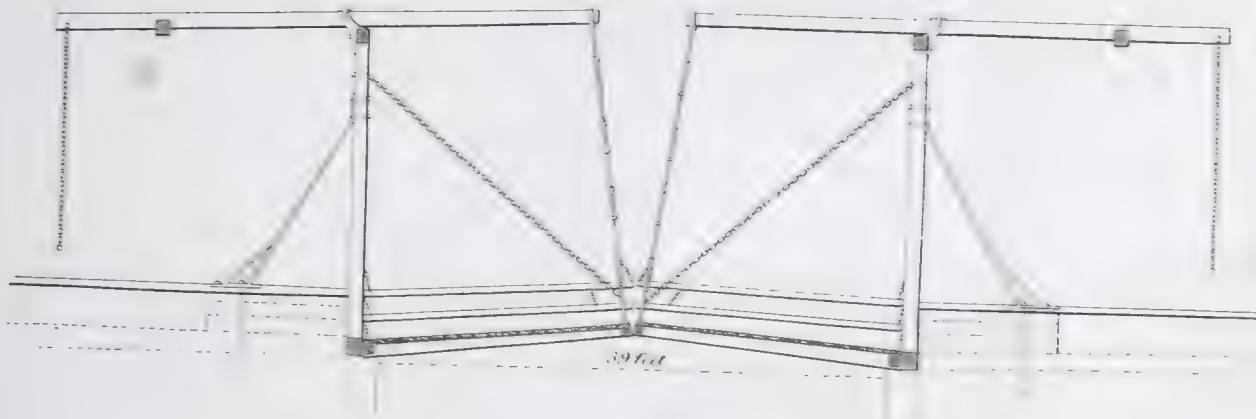


Fig. 2
Timber Truss Bridge on the Grand Surrey Canal

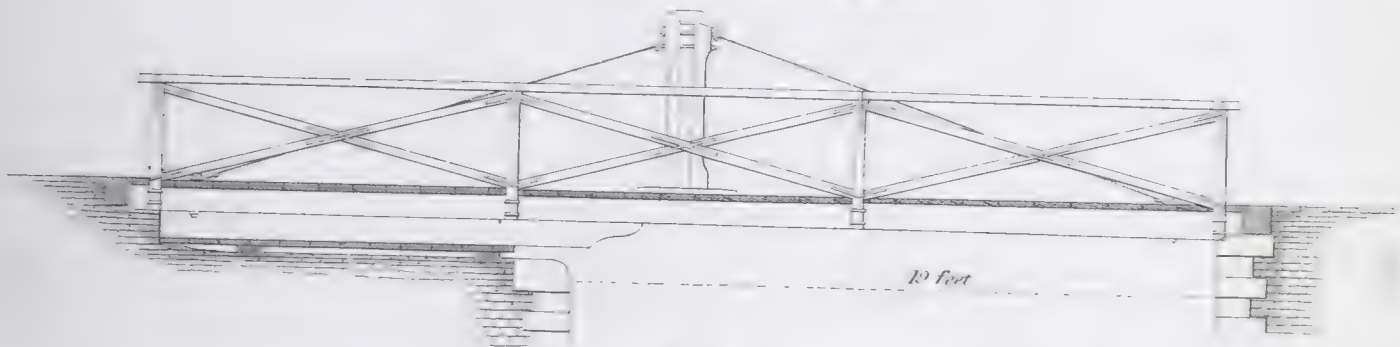
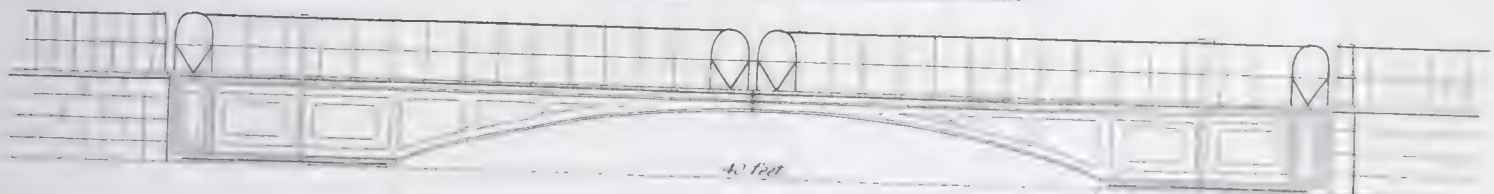


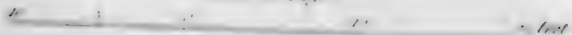
Fig. 3
Truss Bridge of Cast Iron on the Caledonian Canal



Plan of Fig. 3



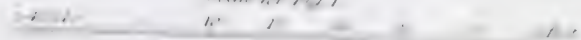
Scale for Fig. 3



Centre Rib of Fig. 3



Scale for Fig. 1

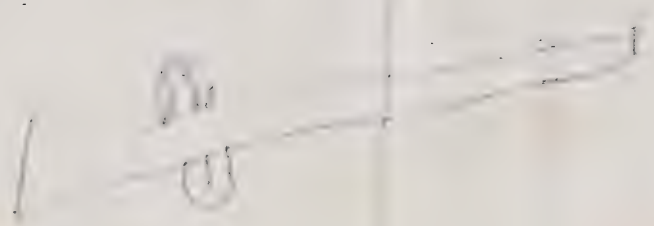


Scale for Fig. 2









SKEWED BRIDGES.

Fig. 1

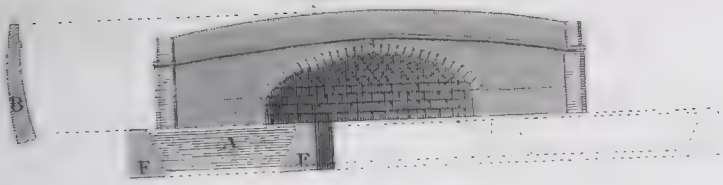


Fig. 2

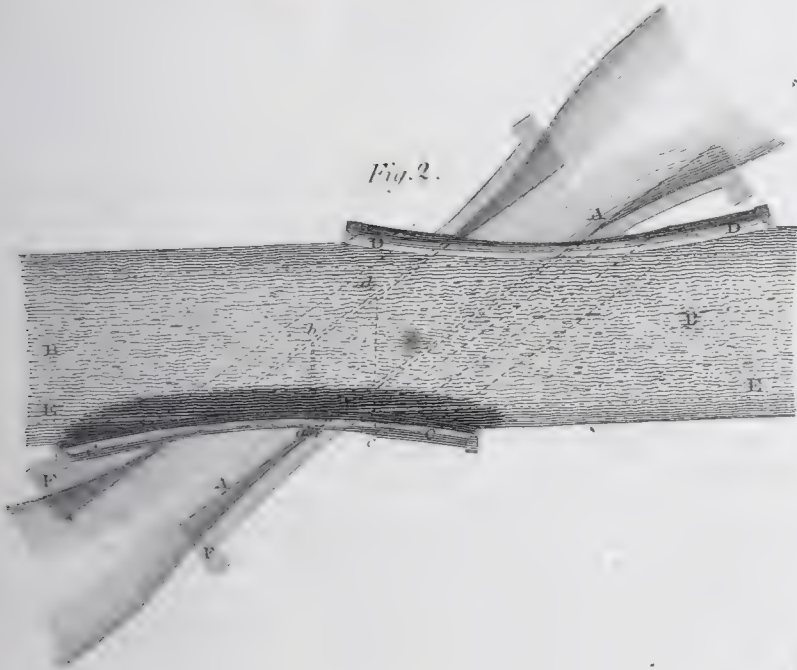


Fig. 3

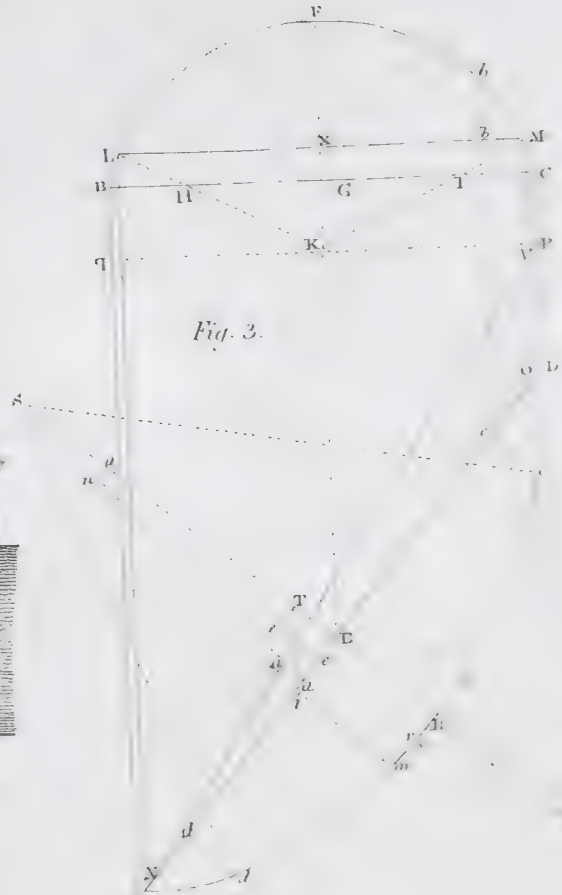


Fig. 4

Fig. 5

Fig. 6

Fig. 8

Fig. 9

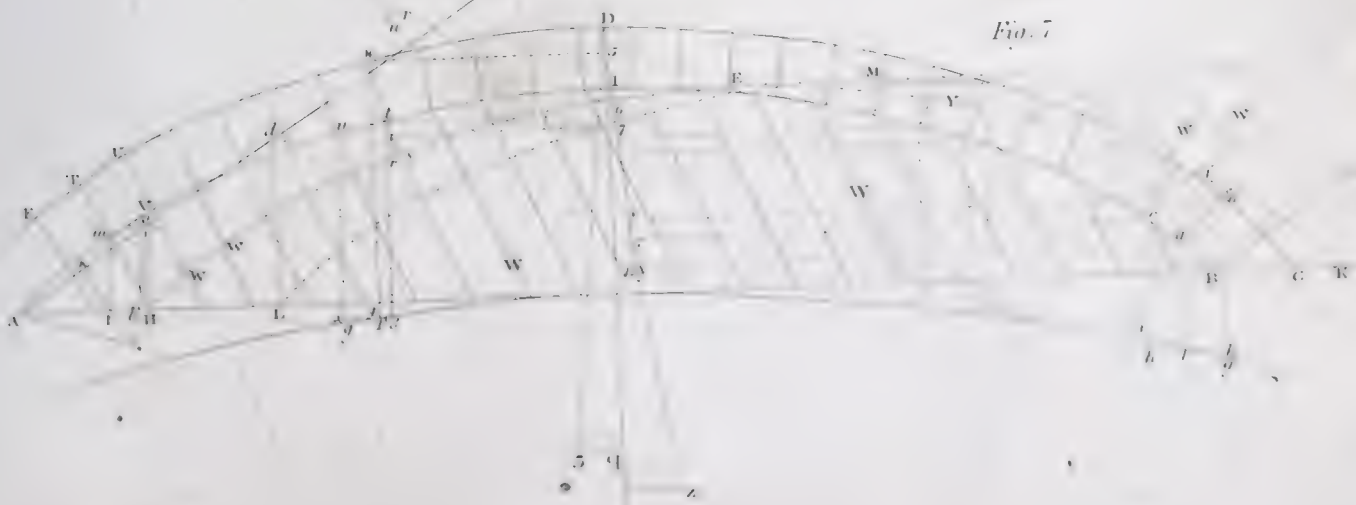
Fig. 10

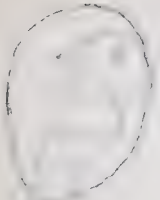
Fig. 11

Fig. 12

Fig. 13

Fig. 7







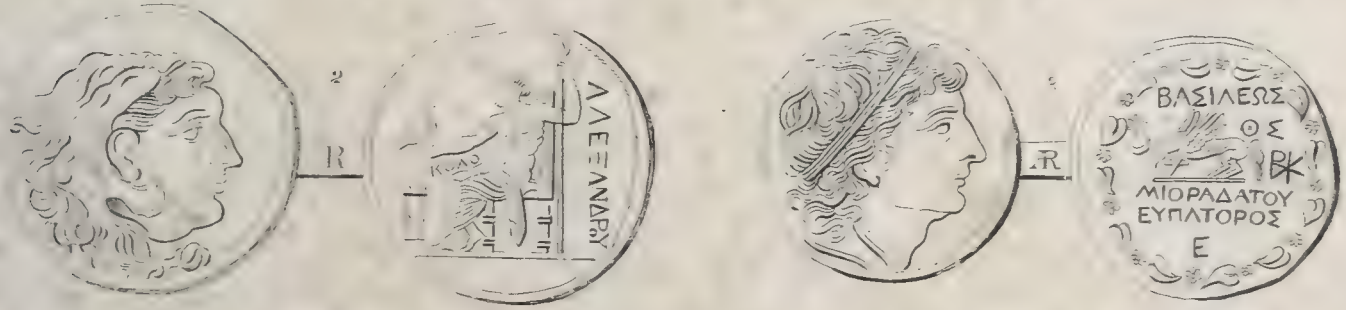
BDE

Q

III^o





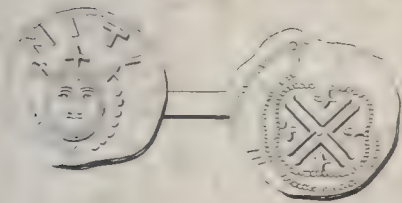


Reverse of a British coin of Sevens.

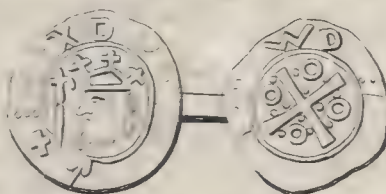


Antient pennies supposed Scotch.

A penny of William of Scotland.



A penny of Robert the Great.



An Irish penny.



Gold penny of Henry III



Large noble of Edward III.



Gold Medal of David II of Scotland.



Royal of Queen Mary of Scotland.





OBSERVATORY.

EDINBURGH OBSERVATORY.

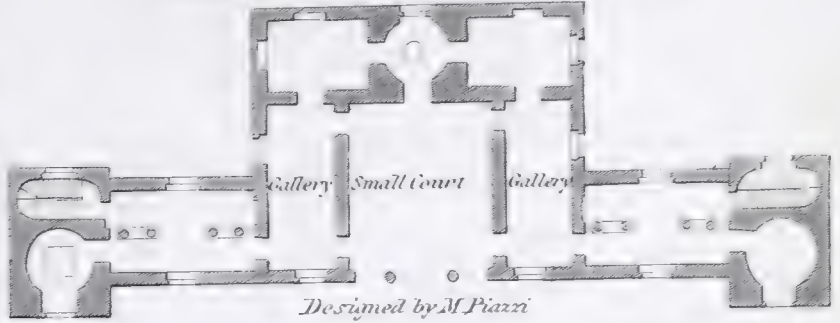
Elevation

7

Fig 1



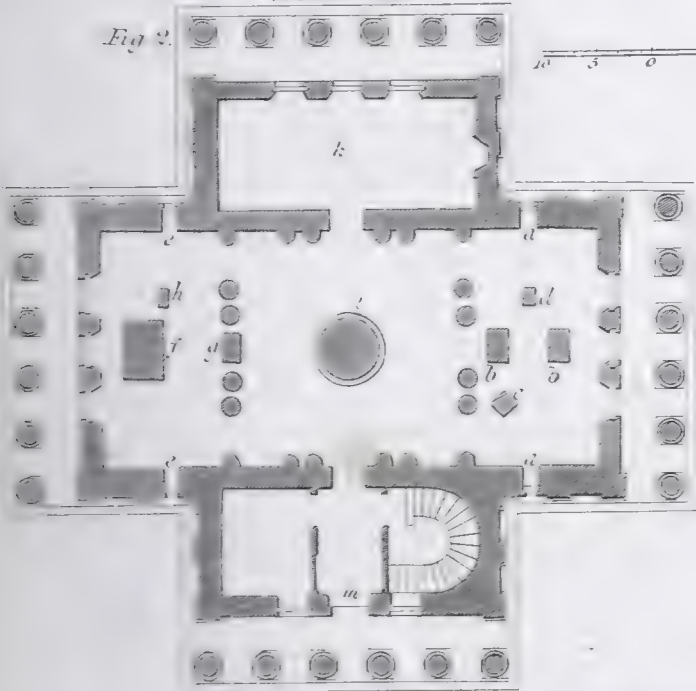
Fig 3.
PLAN OF THE NEW OBSERVATORY OF NAPLES



Designed by M. Piazzi

Ground Plan

Fig 2.



Scale of Feet for Fig 1 & 2.



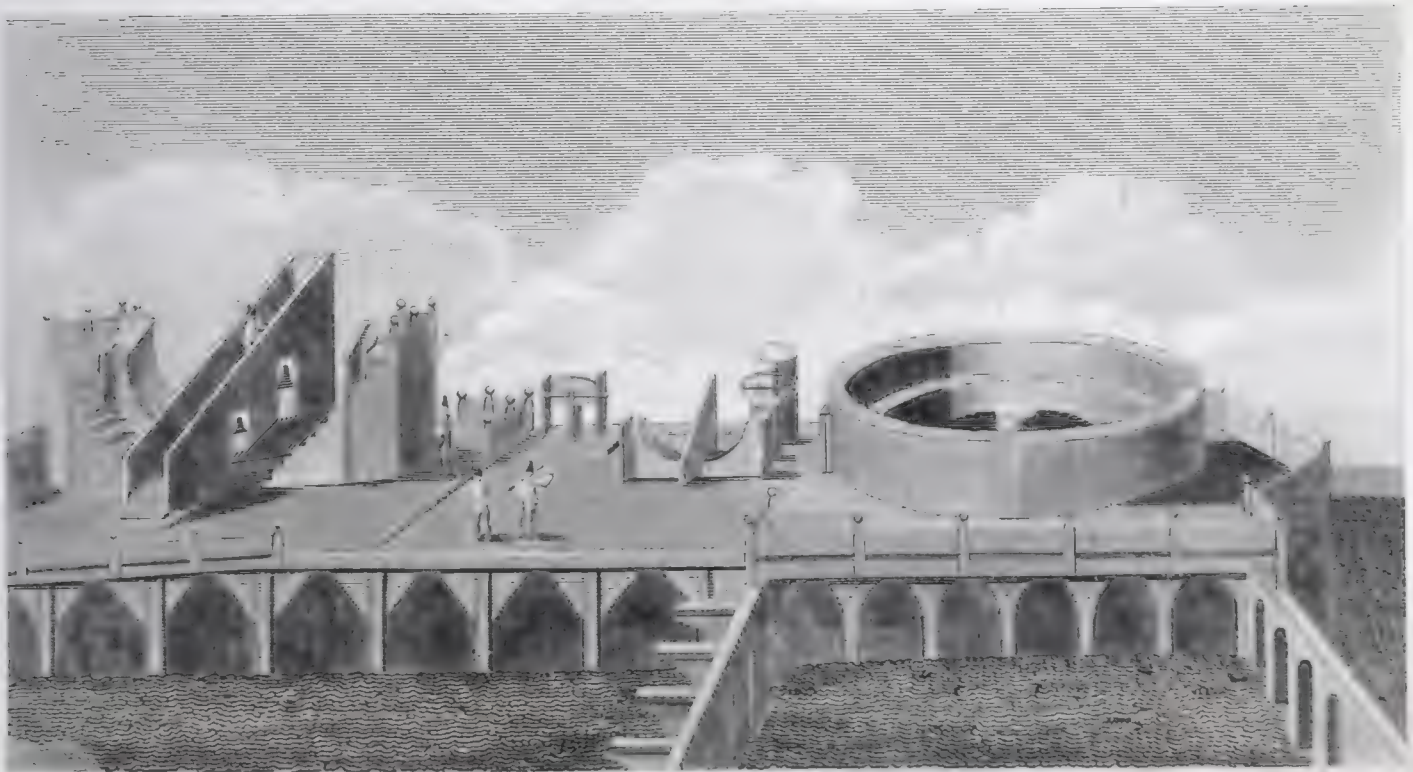
Fig 4.

PLAN OF THE OLD OBSERVATORY AT NAPLES



Fig 5.

BRAMIN'S OBSERVATORY AT BENARES





OBSERVATORY & ODOMETER. PLATES CCCCXIV. & CCCCXV.

Fig. 1.
ODOMETER Natural Size

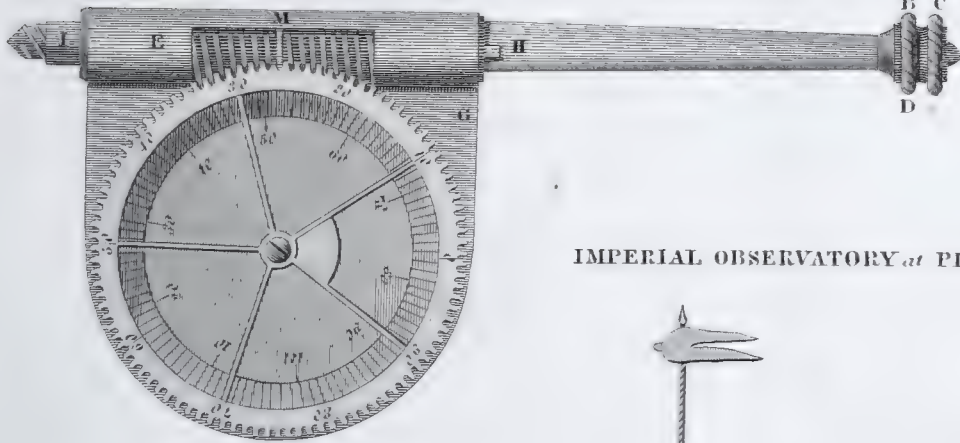
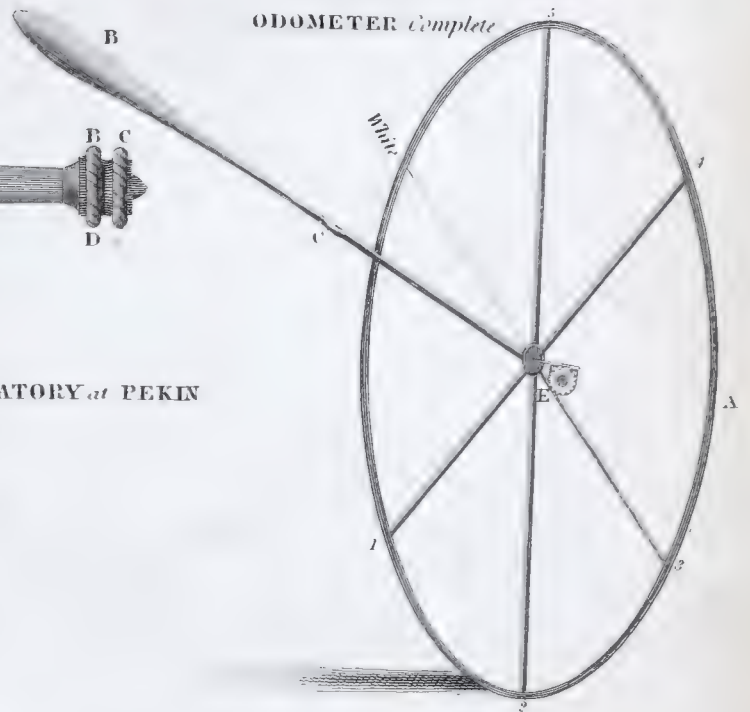
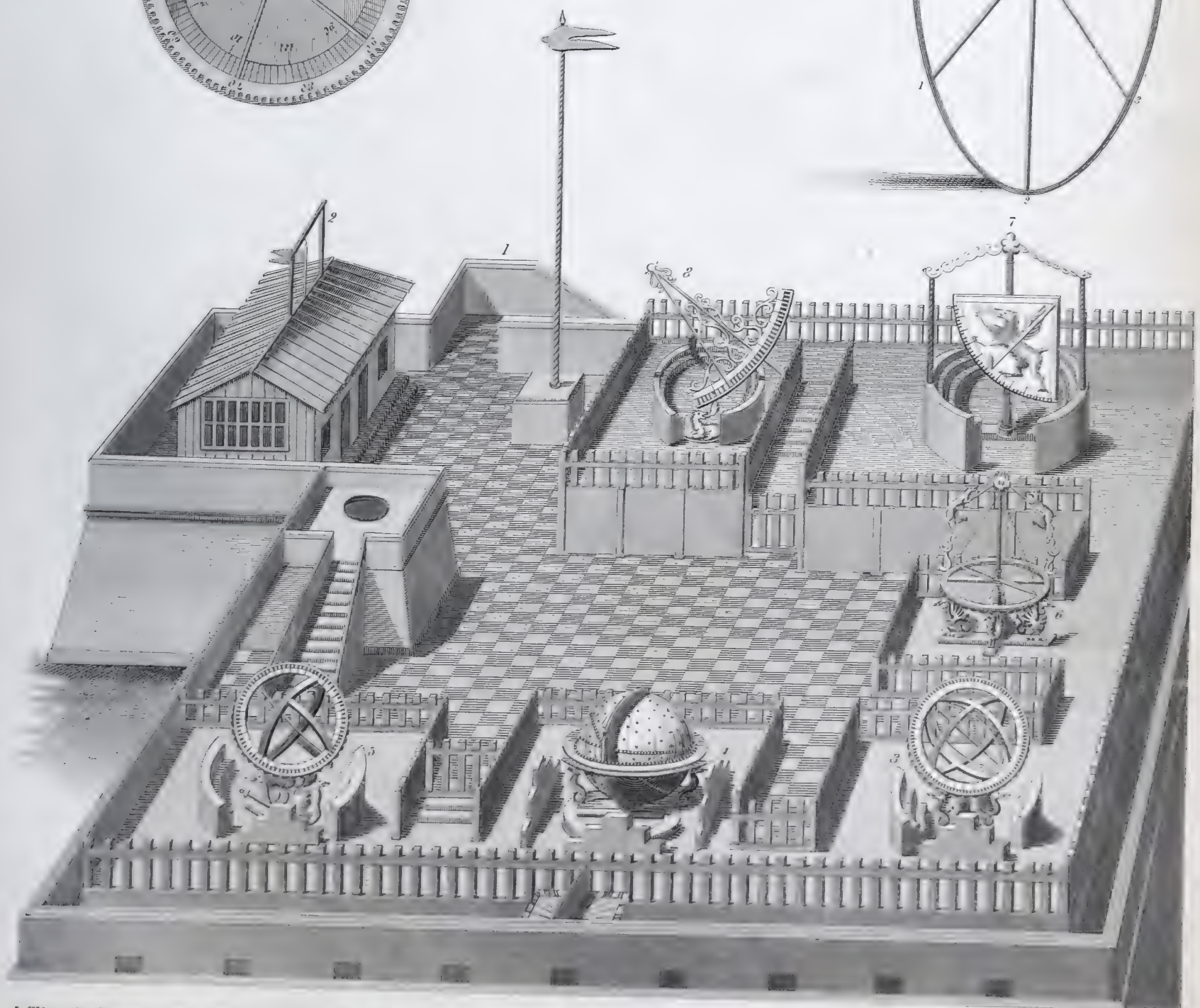


Fig. 2.
ODOMETER Complete



IMPERIAL OBSERVATORY at PEKIN



1. The Stairs of the Observatory 2. A Retiring Room for the Observers 3. An Equinoctial Sphere 4. A Celestial Globe
5. An Armillary Sphere 6. An Azimuthal Horizon 7. A Quadrant 8. A Sextant



TRIGONOCEPHALUS LANCEOLATUS.

CERASTES VULGARIS.



Fig. 3.

Fig. 1

Fig. 2

Fig. 6

Fig. 1

Fig. 5



Fig. 1.

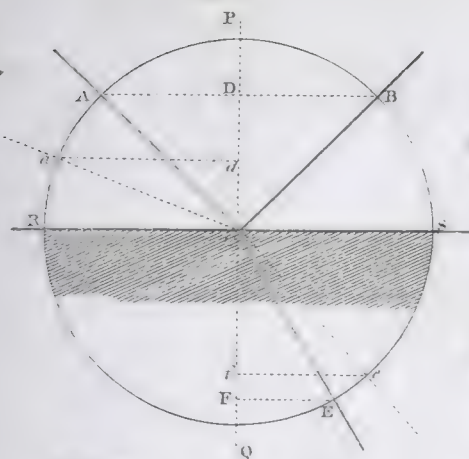


Fig. 2.

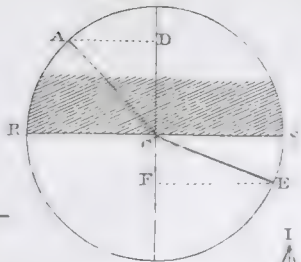


Fig. 3.

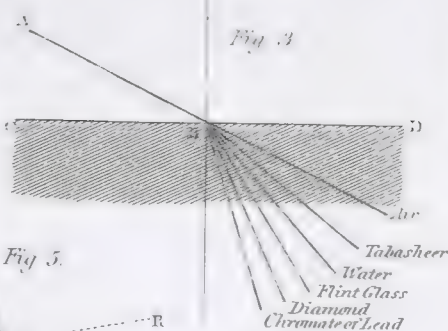


Fig. 4.

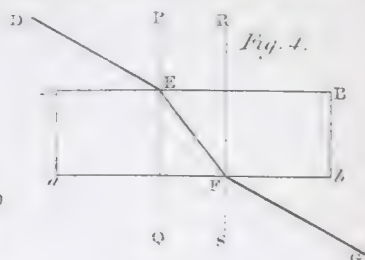


Fig. 5.

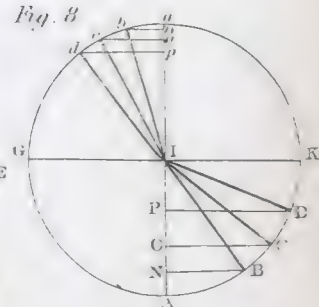


Fig. 6.

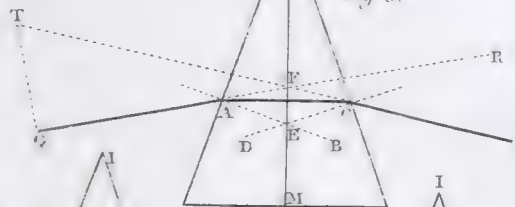


Fig. 7.

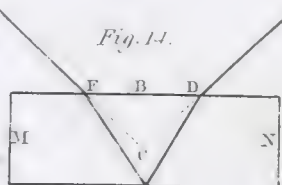


Fig. 8.

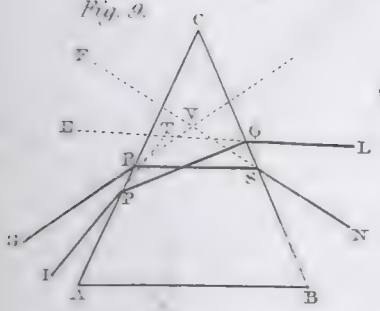


Fig. 9.

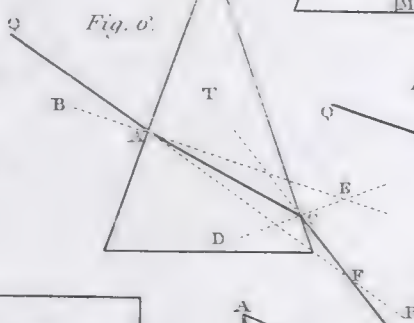


Fig. 10.

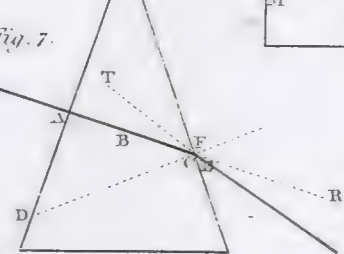


Fig. 11.

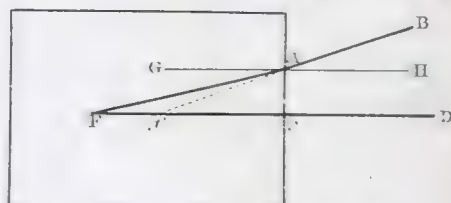


Fig. 12.

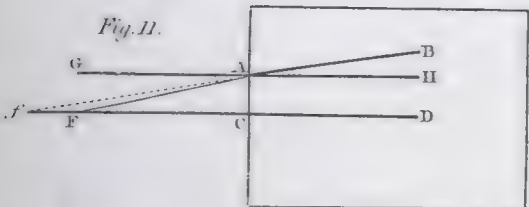


Fig. 13.

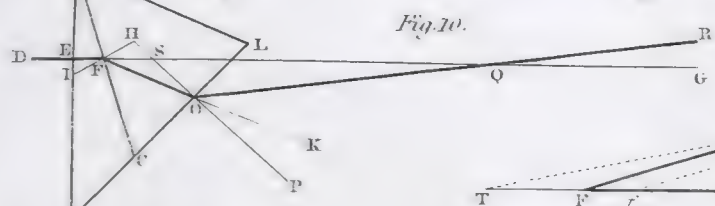


Fig. 14.

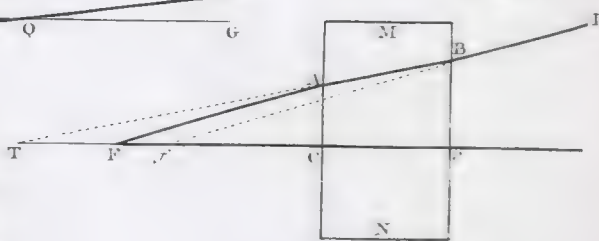


Fig. 15.

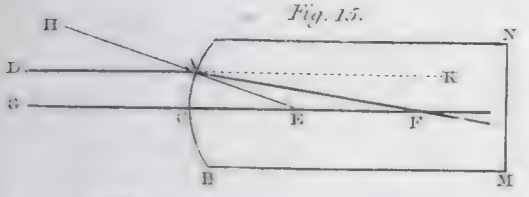


Fig. 16.

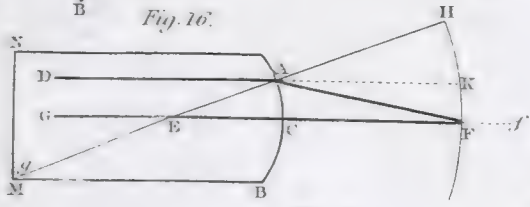


Fig. 17.

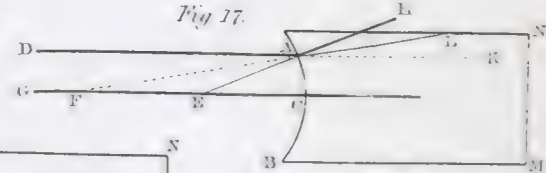


Fig. 18.

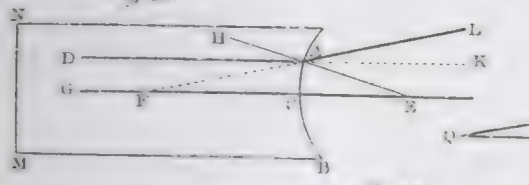


Fig. 19.



Fig. 20.

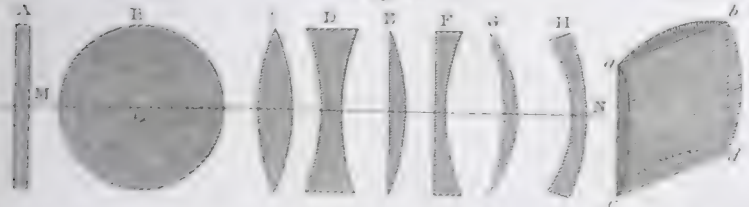
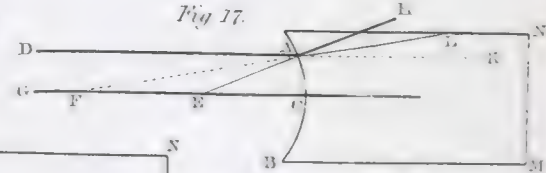


Fig. 21.

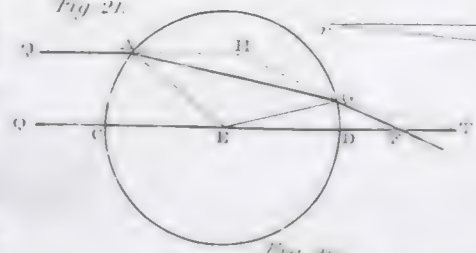


Fig. 22.



Fig. 23.

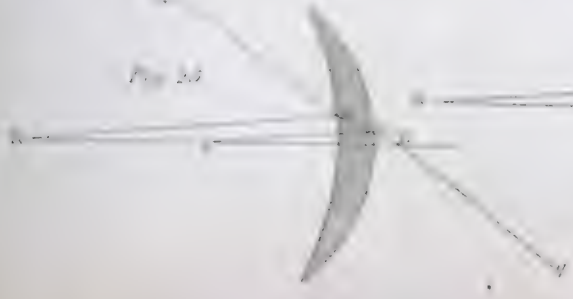


Fig. 24.

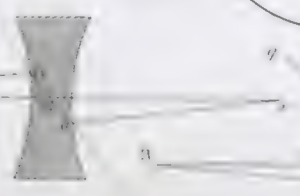


Fig. 25.

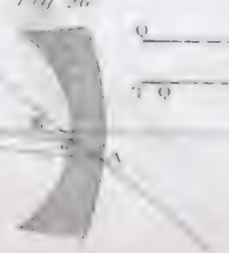
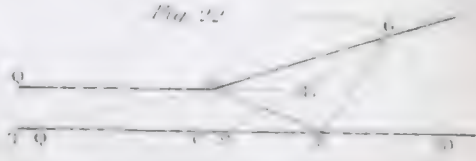
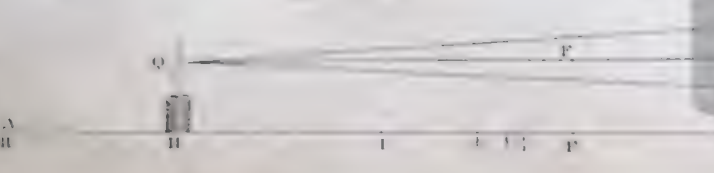
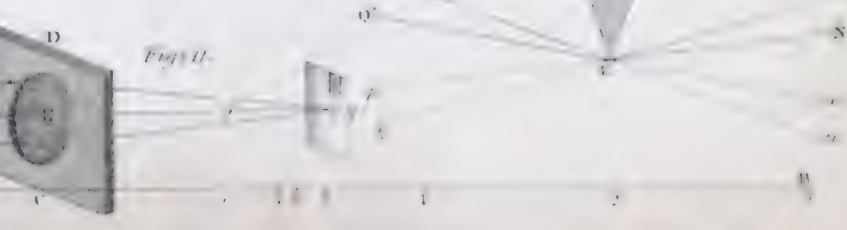
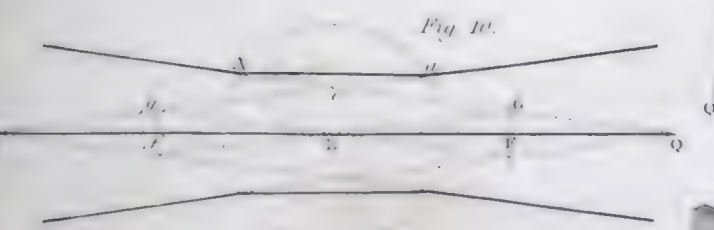
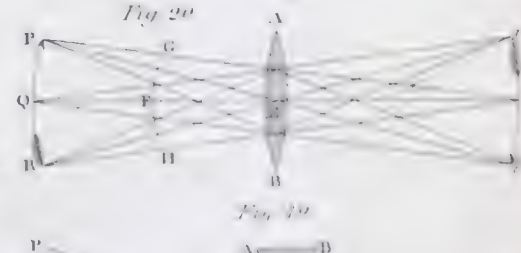
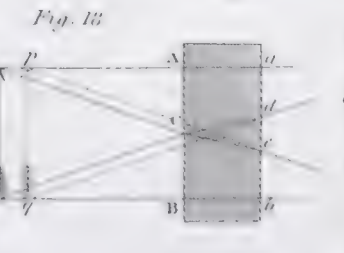
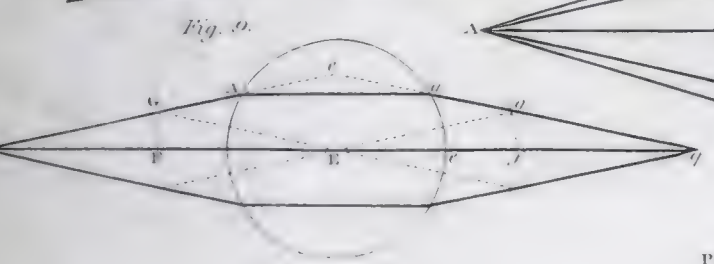
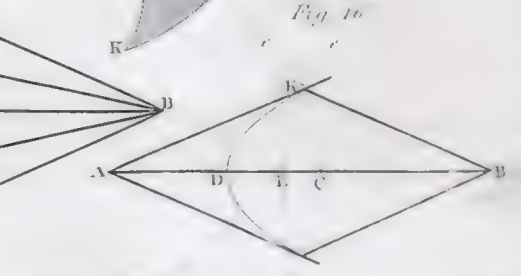
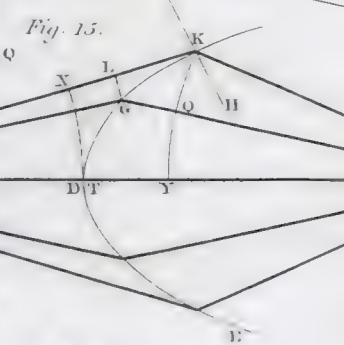
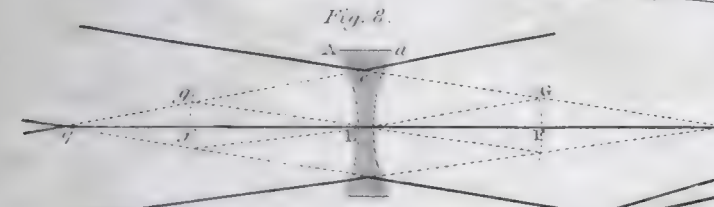
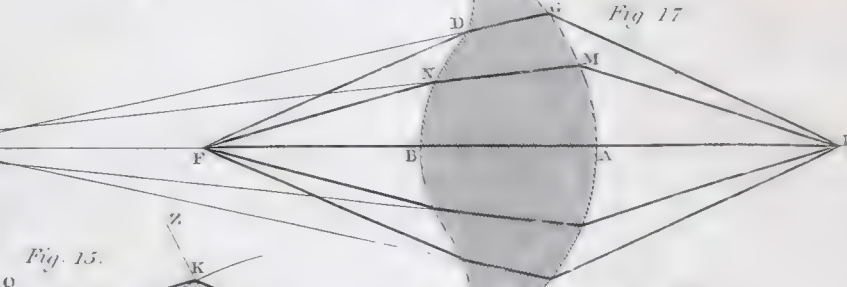
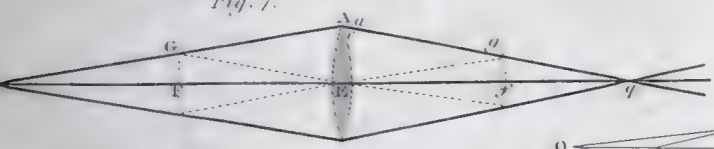
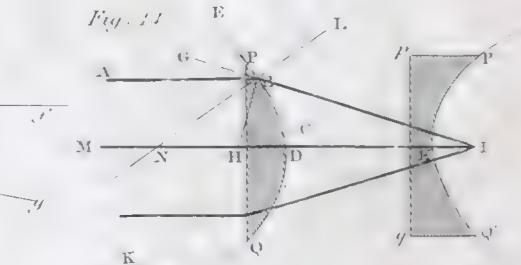
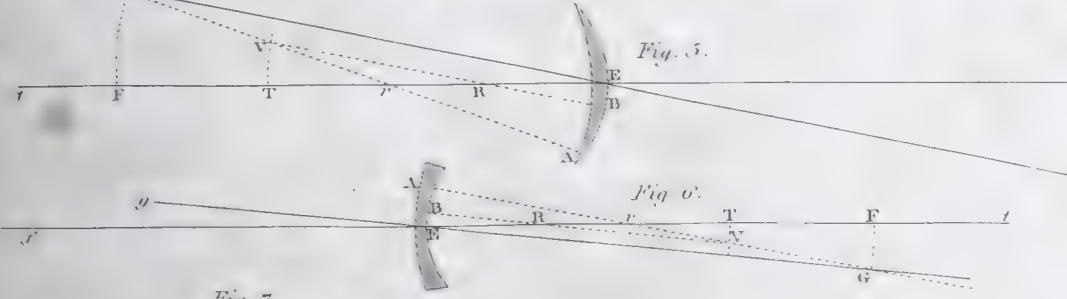
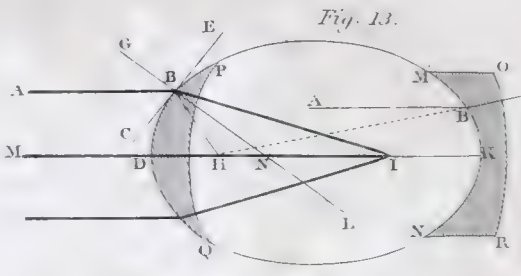
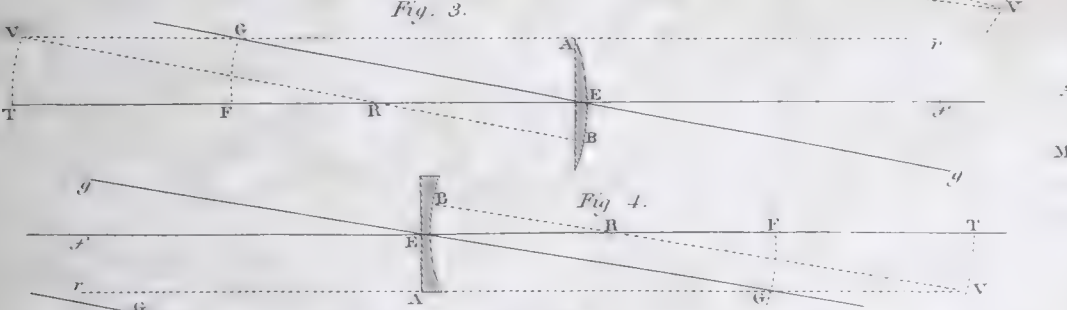
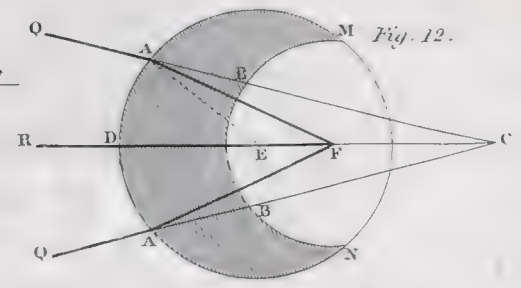
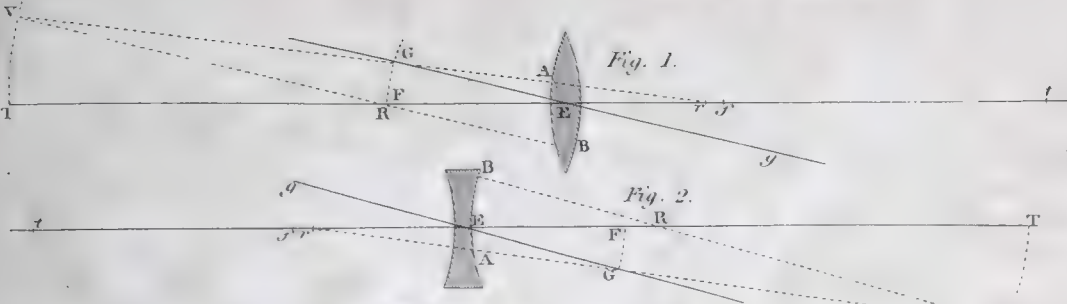
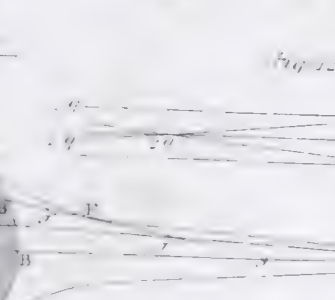
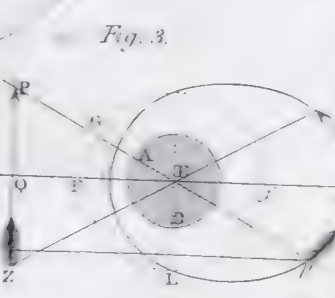
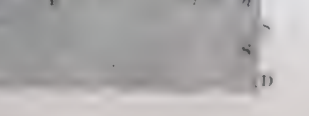
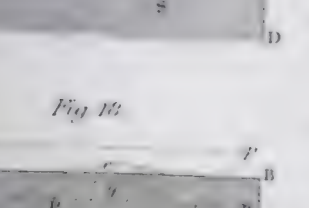
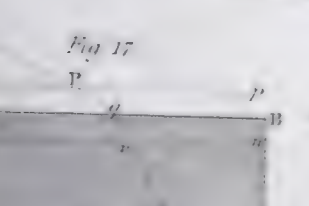
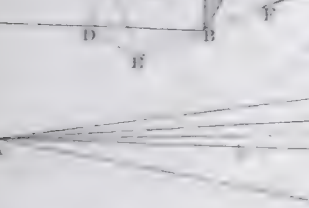
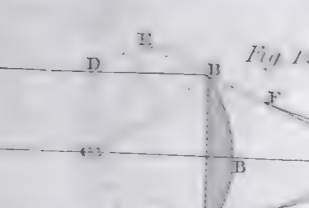
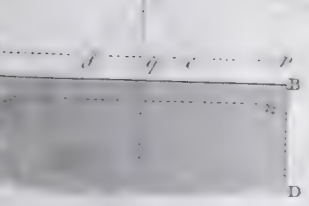
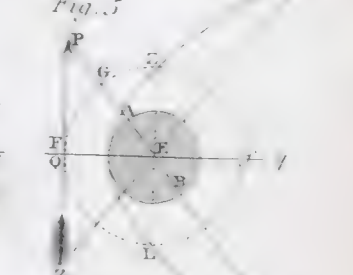
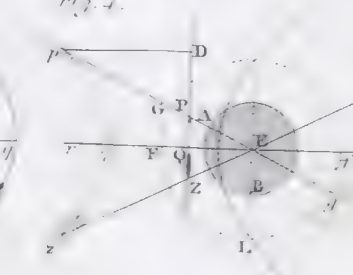
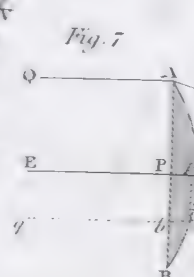
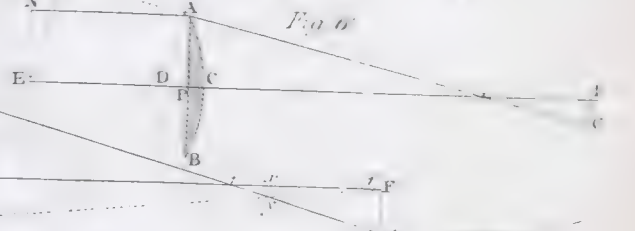
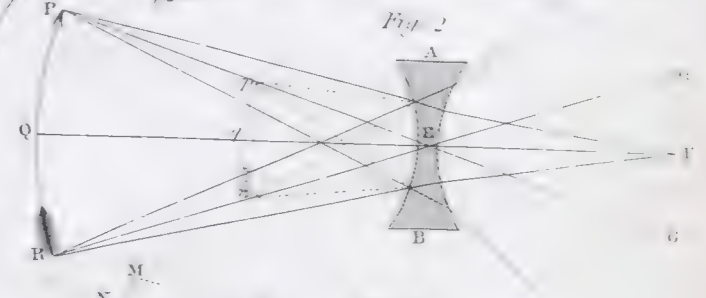
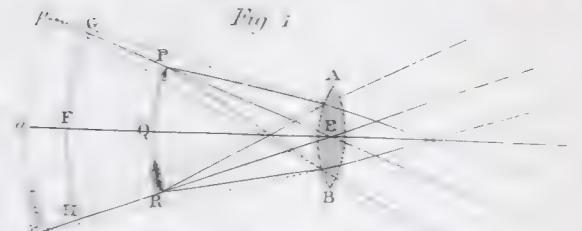
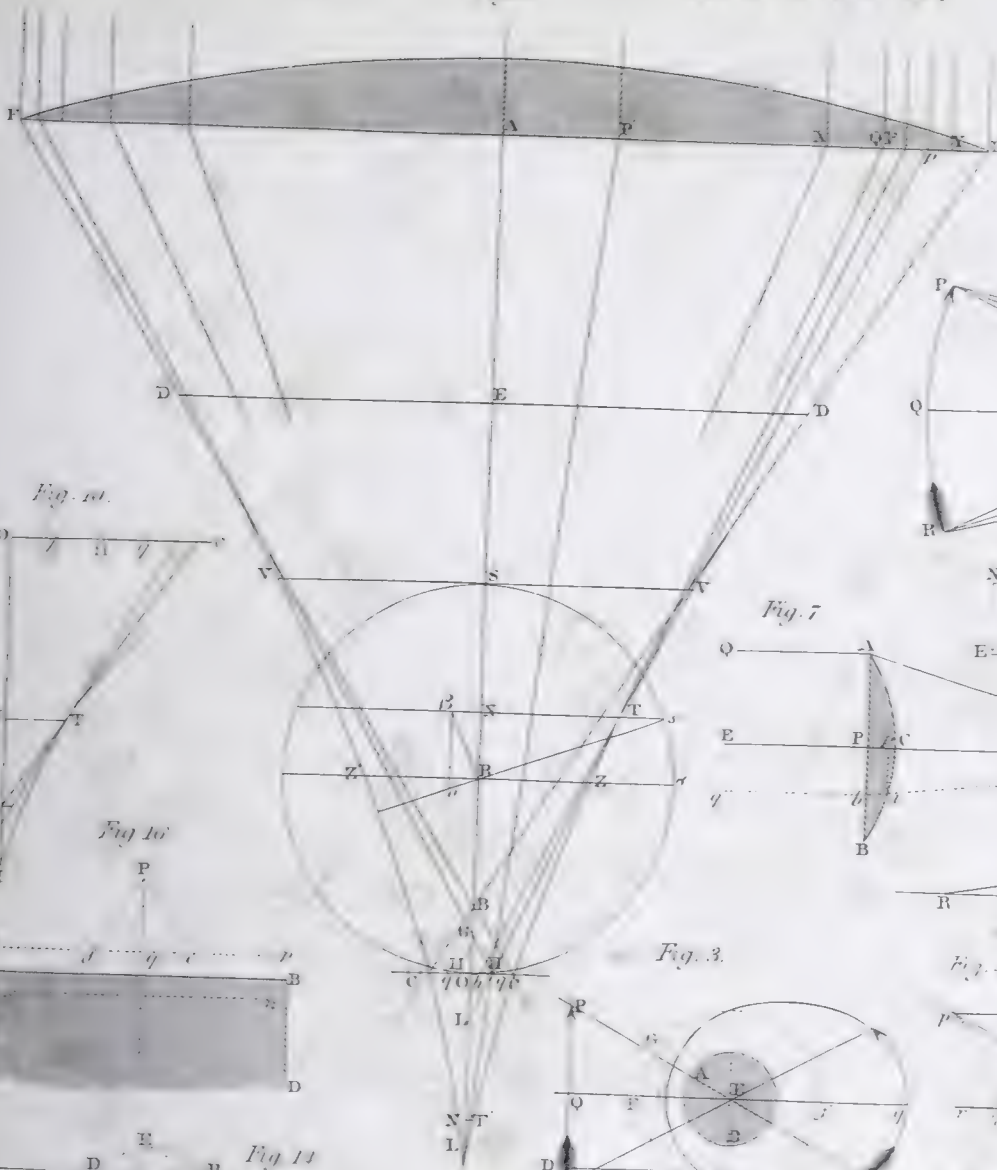


Fig. 26.

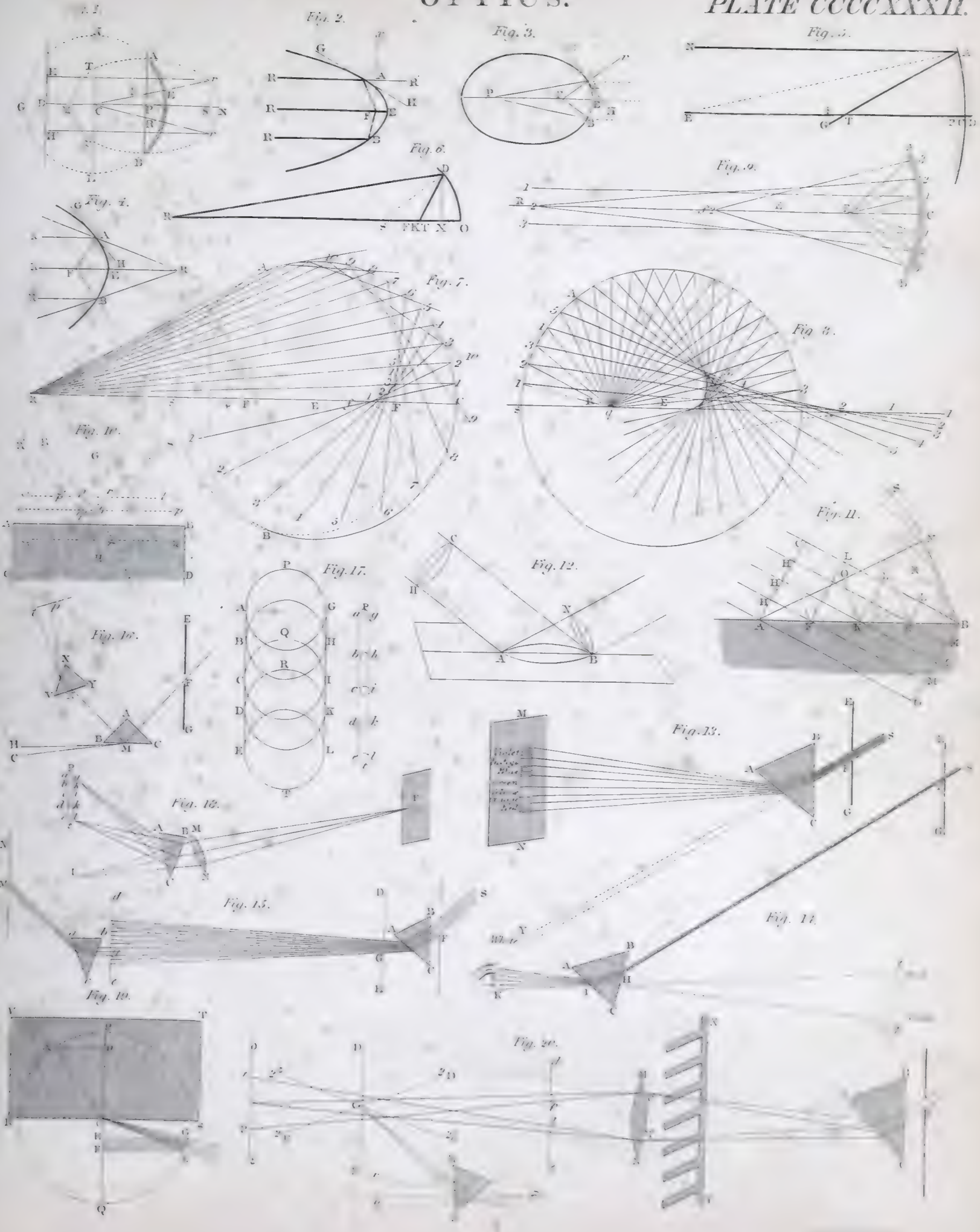








OPTICS.



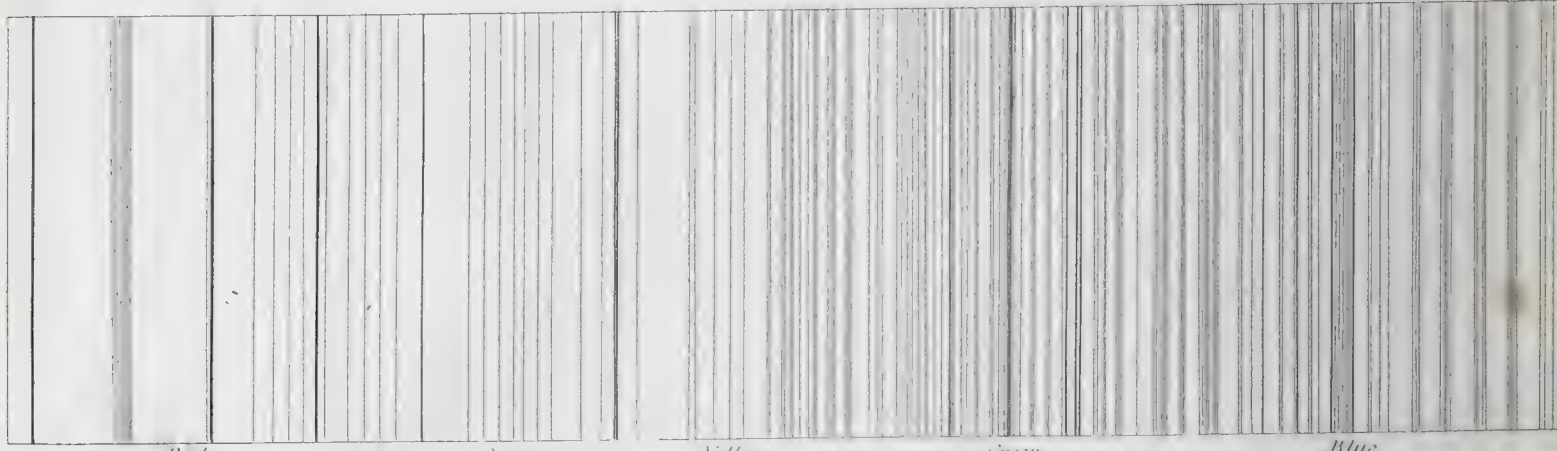
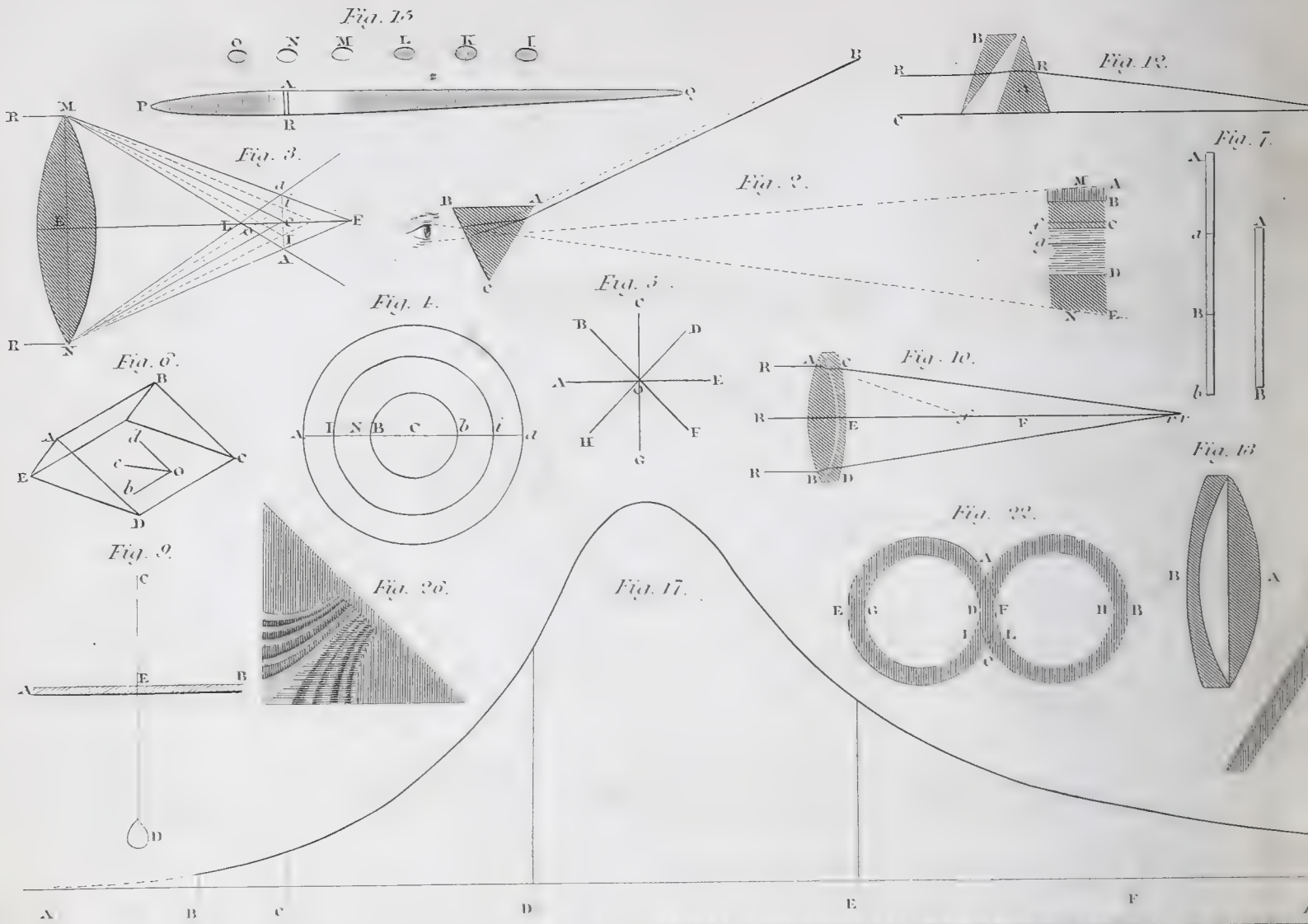




Fig. 19.

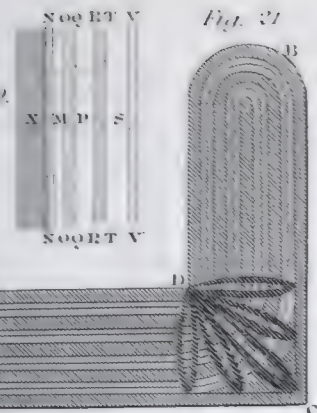


Fig. 21.

Fig. 23.

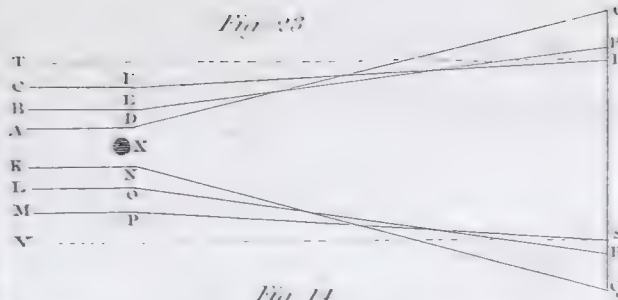


Fig. 11.

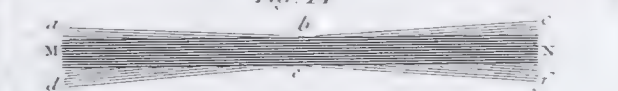


Fig. 21

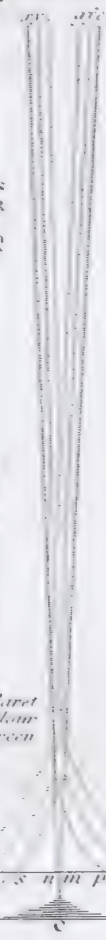


Fig. 29.



Fig. 27.

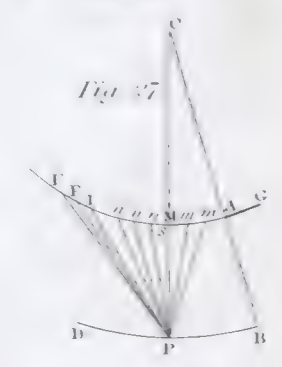


Fig. 28.

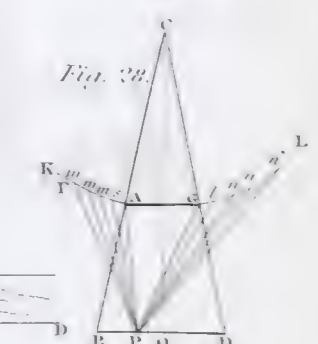


Fig. 30.

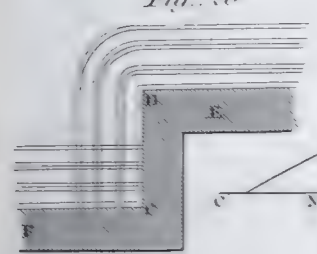


Fig. 18.

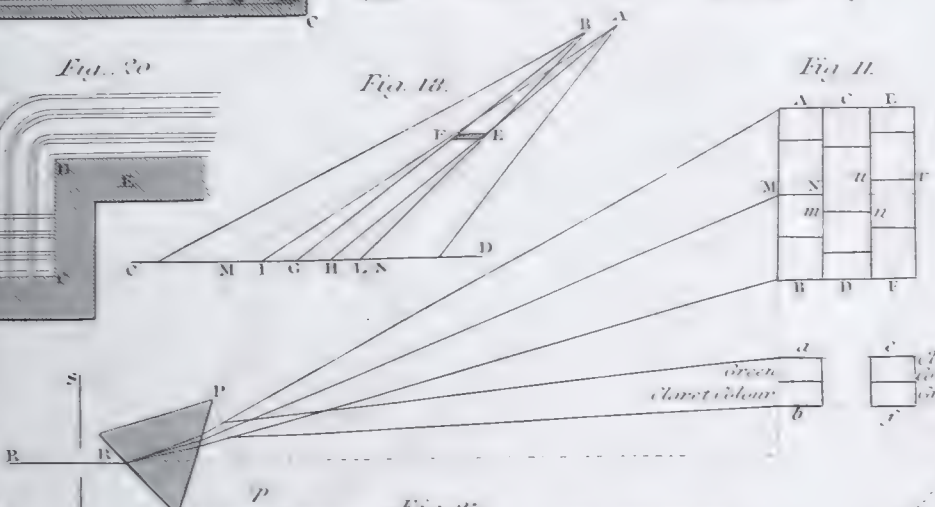


Fig. 11.

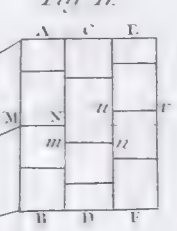
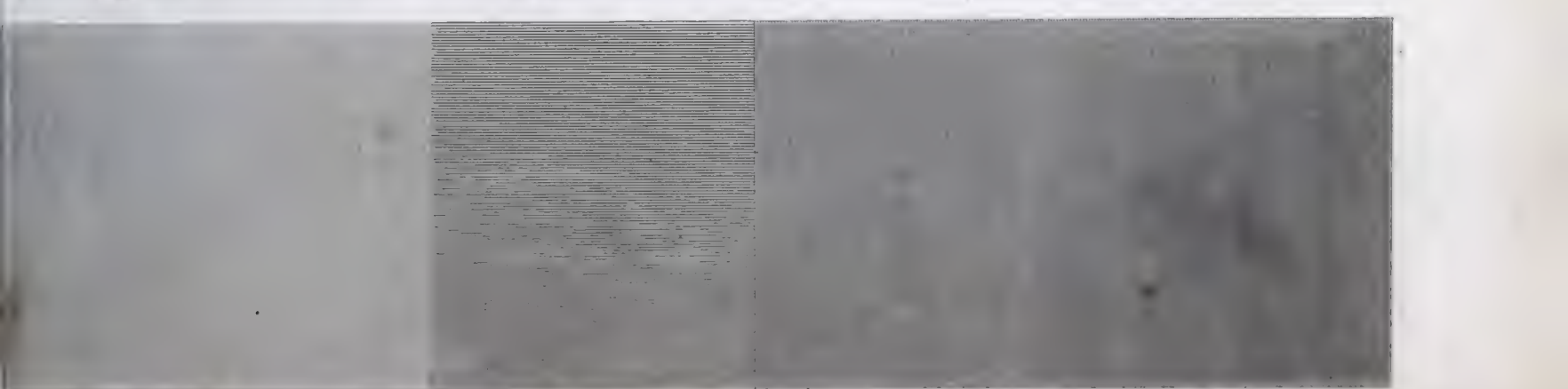


Fig. 23.



Indigo

Violet

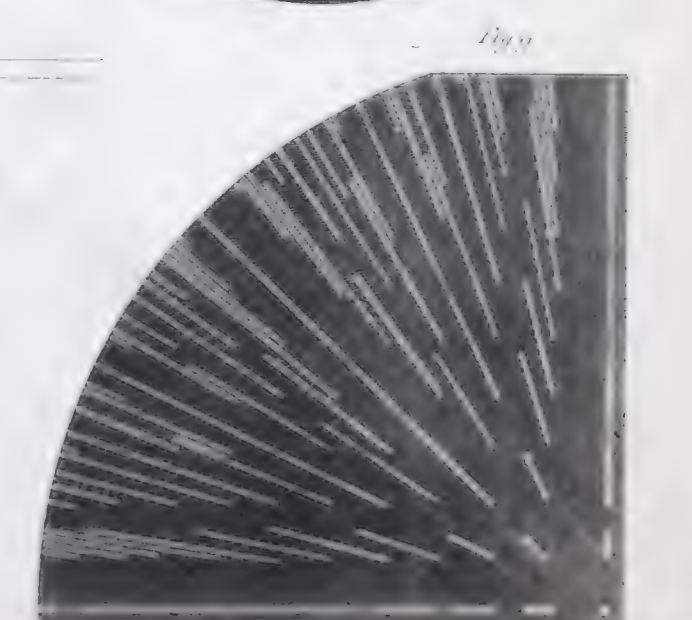
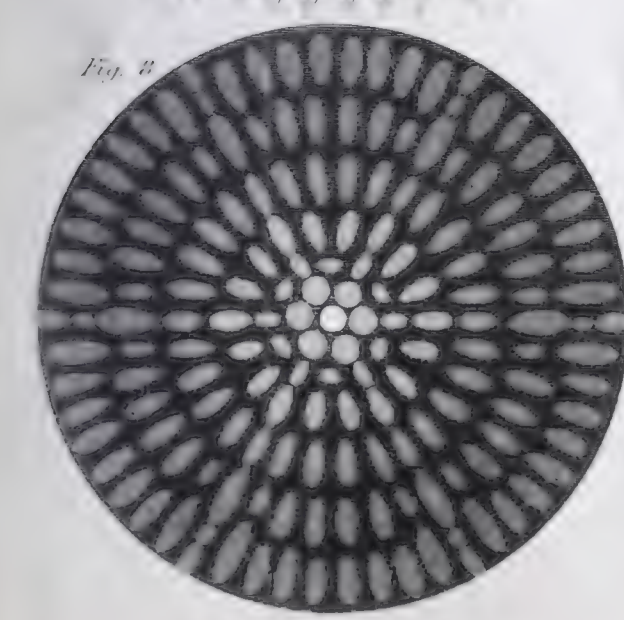
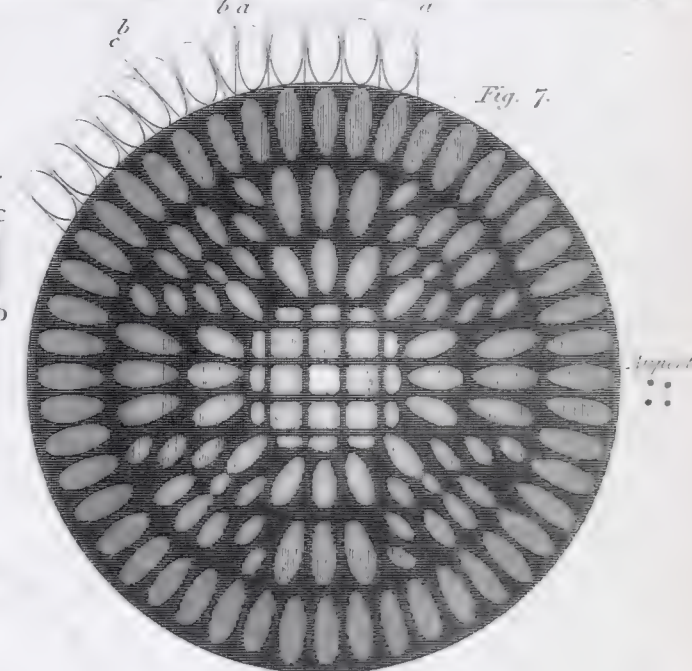
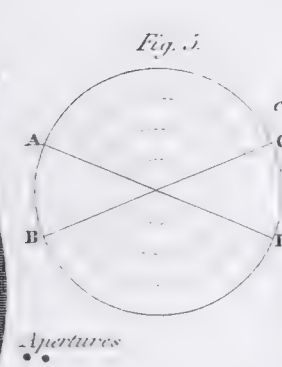
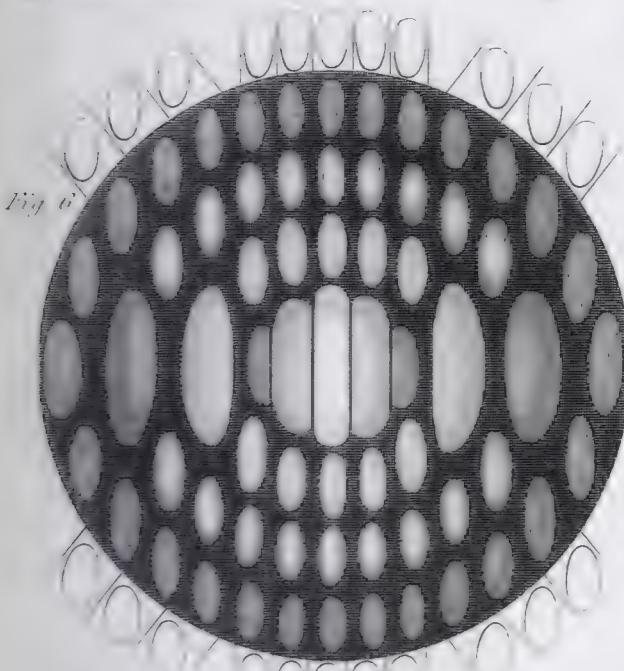
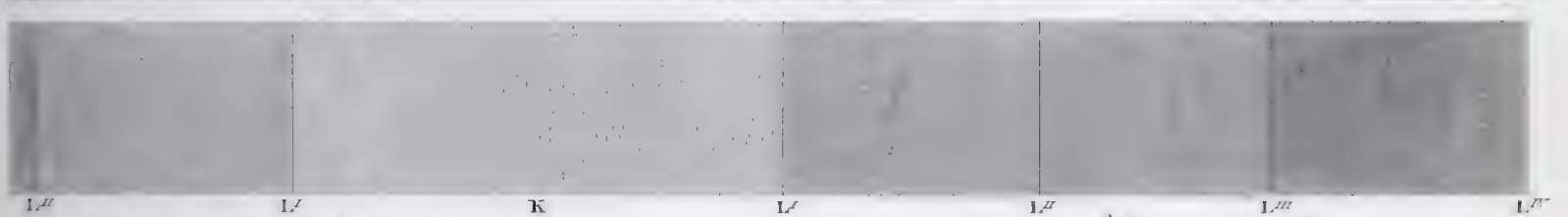
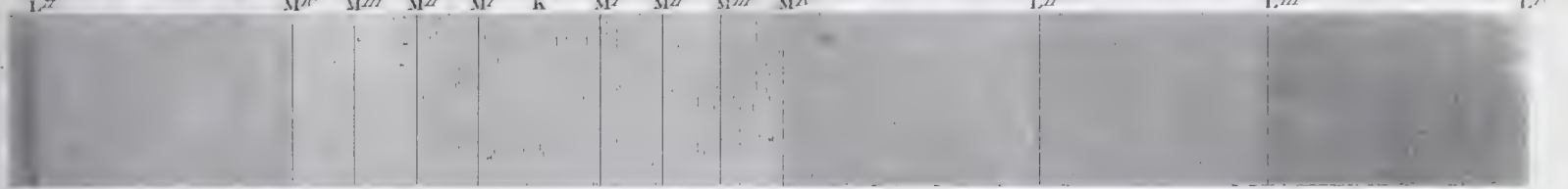


Blue

Indigo

Violet

Engraved by J. Davis



OPTICS.

Fig. 1.



Fig. 2.

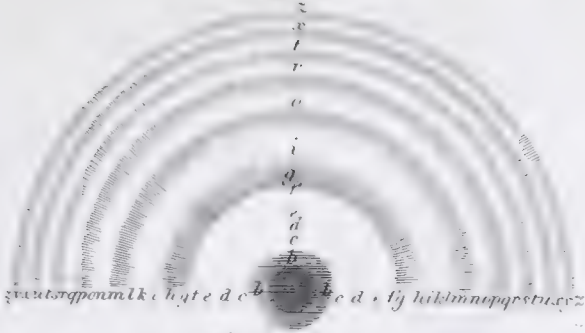


Fig. 13.

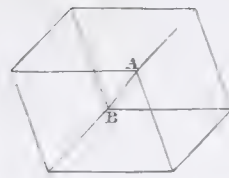


Fig. 1

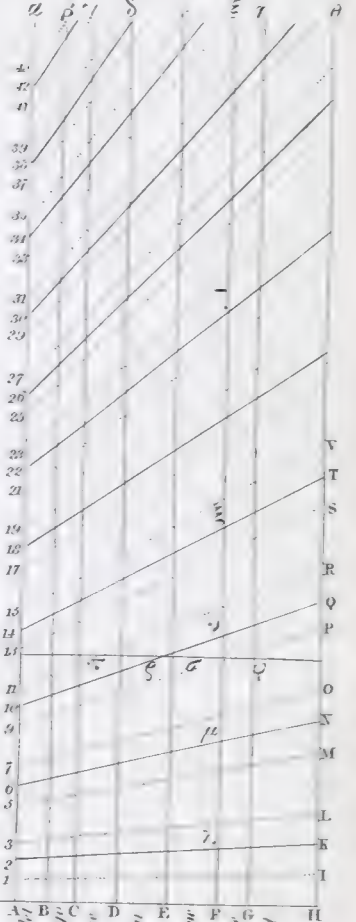


Fig. 3.

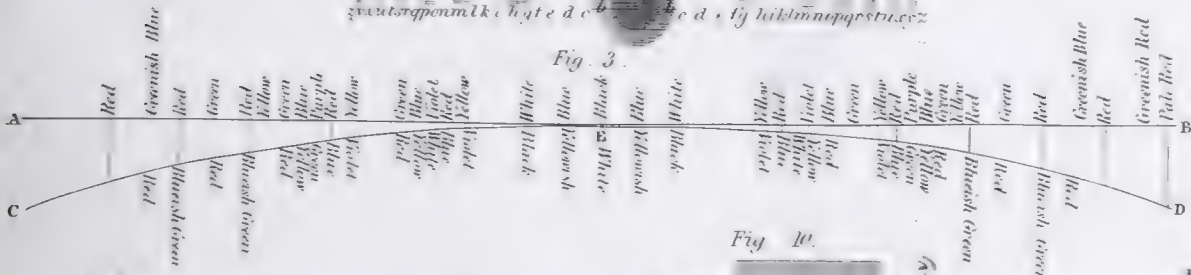


Fig. 10.

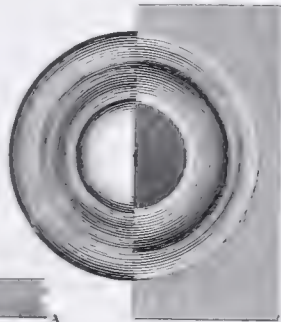


Fig. 5.

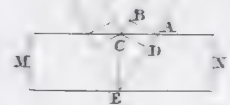


Fig. 6.

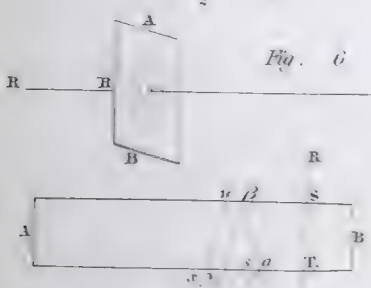


Fig. 11.

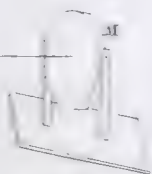


Fig. 7.

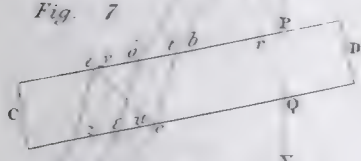


Fig. 8.

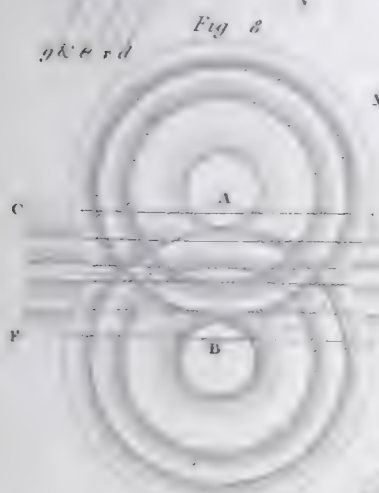


Fig. 12.

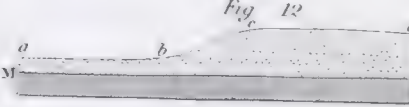


Fig. 11

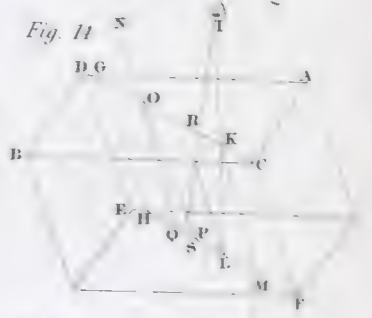


Fig. 20.

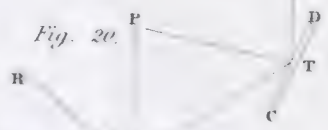


Fig. 21.

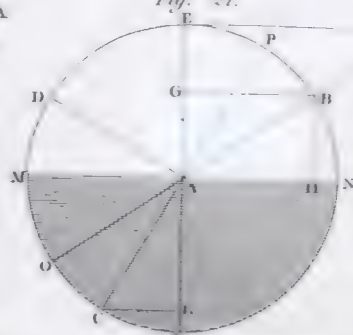


Fig. 15



Fig. 17.

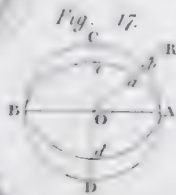


Fig. 18.

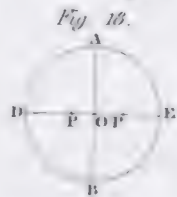


Fig. 19.

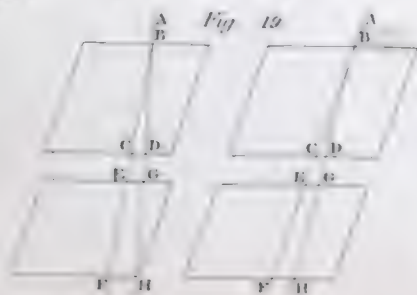


Fig. 22.

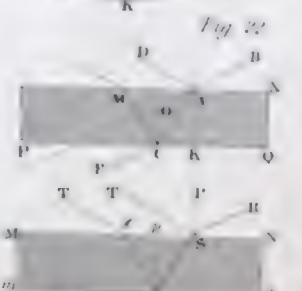
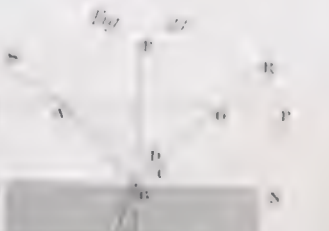
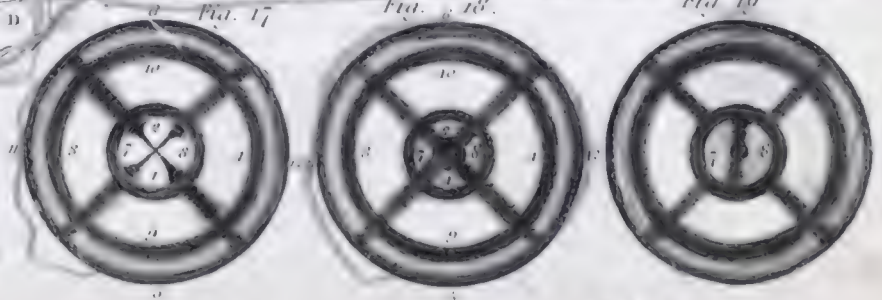
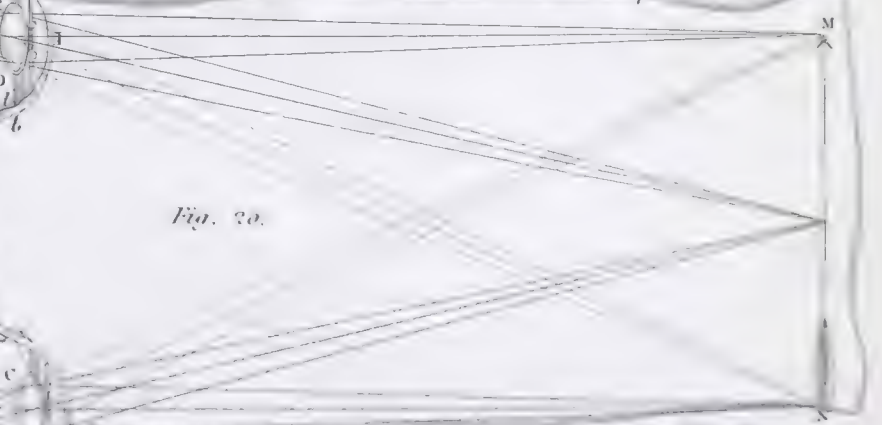
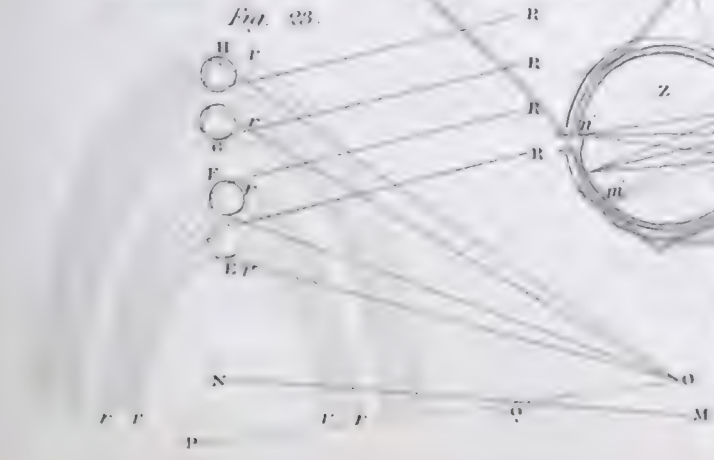
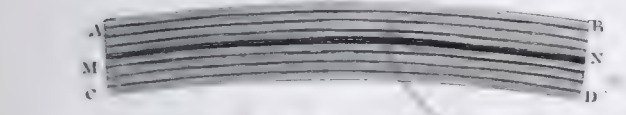
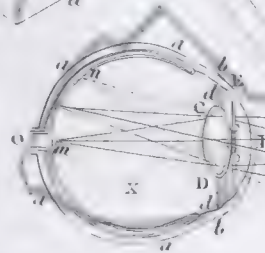
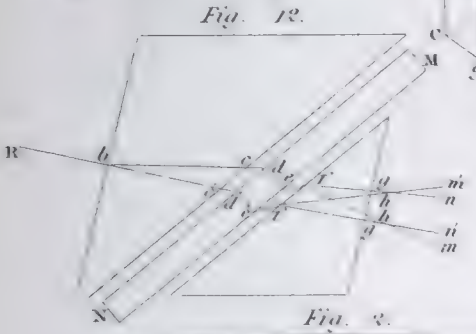
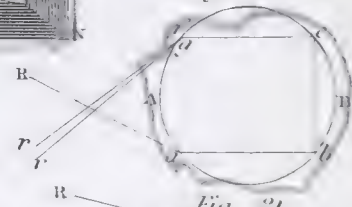
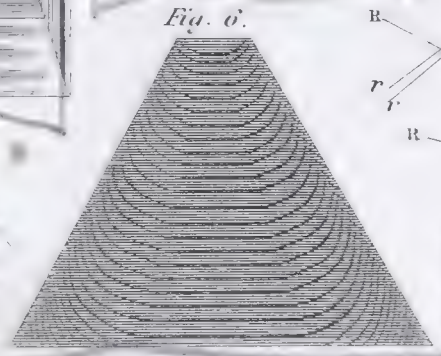
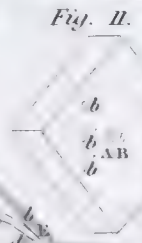
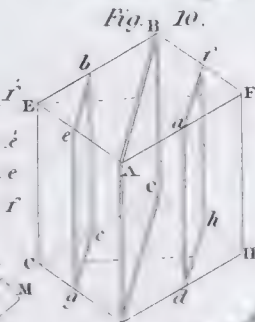
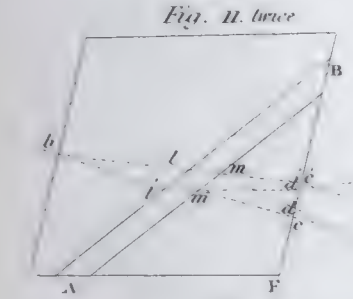
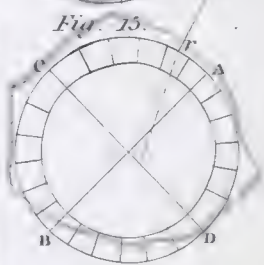
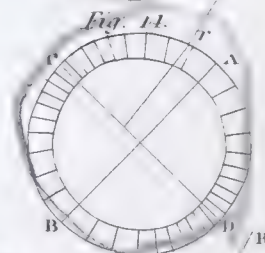
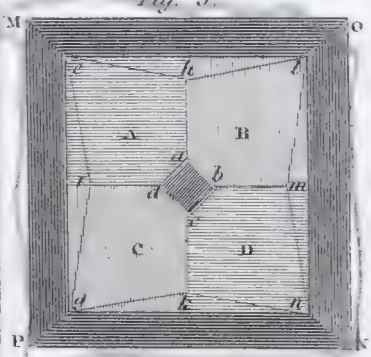
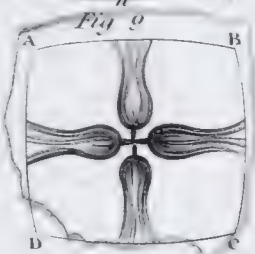
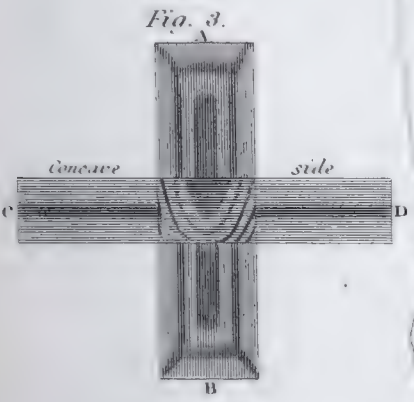
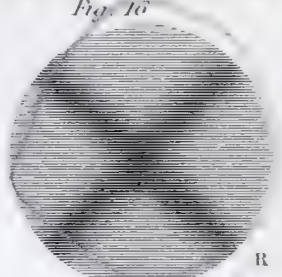
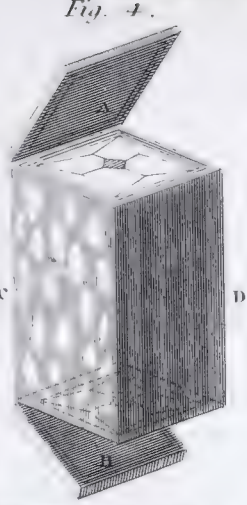
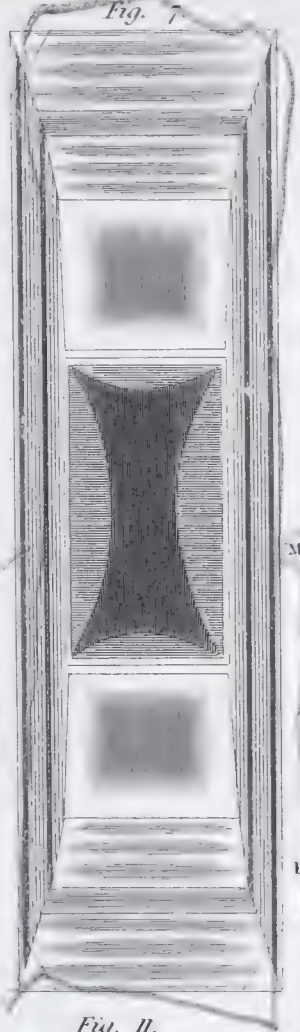
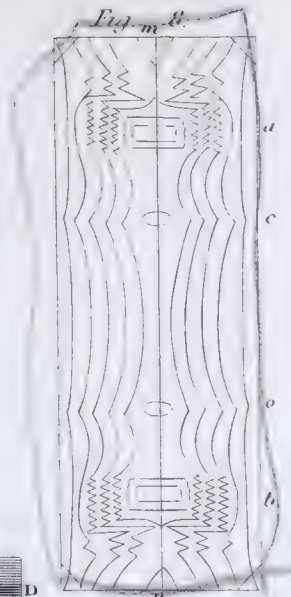
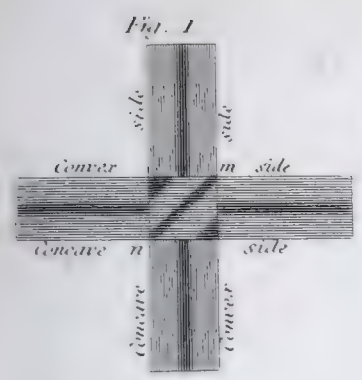


Fig. 16









OPTICS.

PLATE CCCXXXVIII.

Fig 1

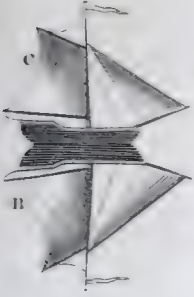


Fig 4

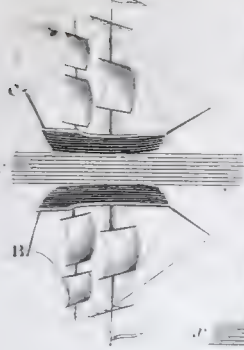


Fig 2



Fig 5

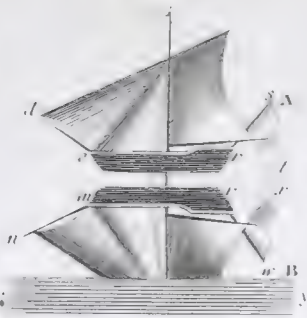


Fig 7



Fig 10

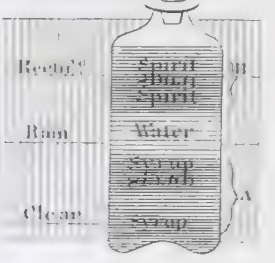


Fig 8



Fig 18



Fig 3

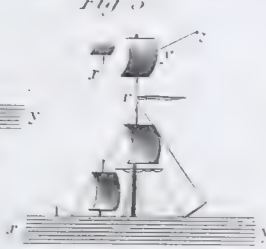


Fig 6

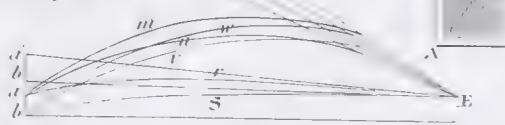


Fig 12

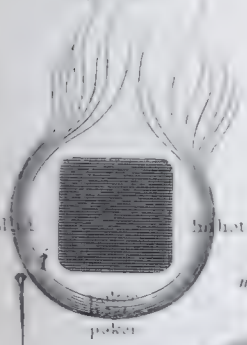


Fig 15



Fig 13

Fig 9

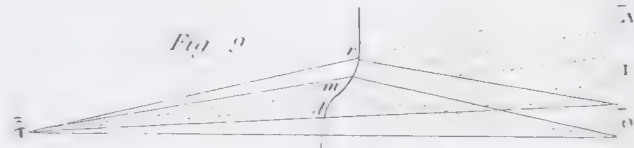


Fig 14

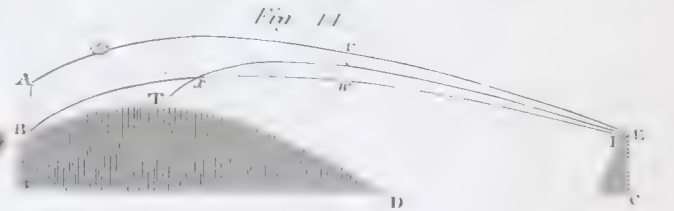


Fig 17

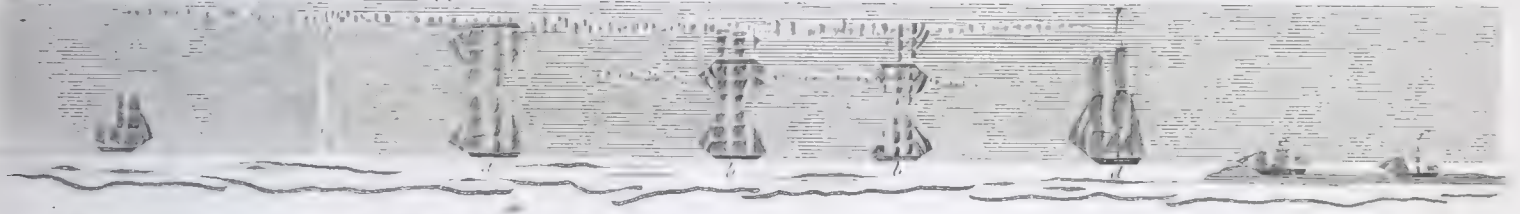


Fig 20



Fig 11



Fig 16

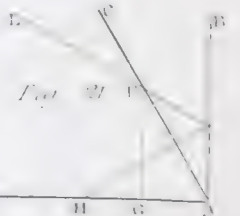
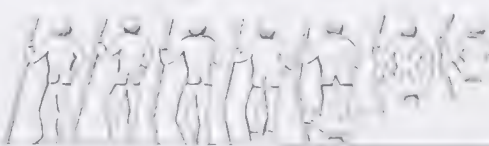


Fig 28

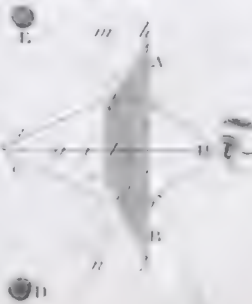


Fig 21

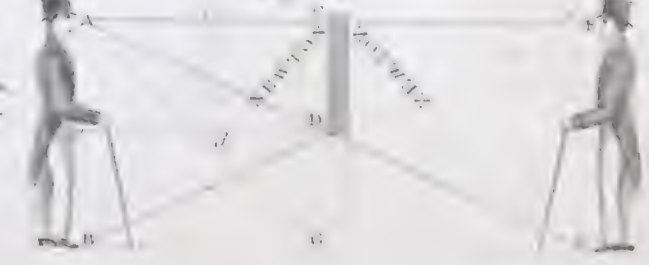
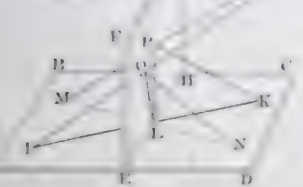


Fig 19





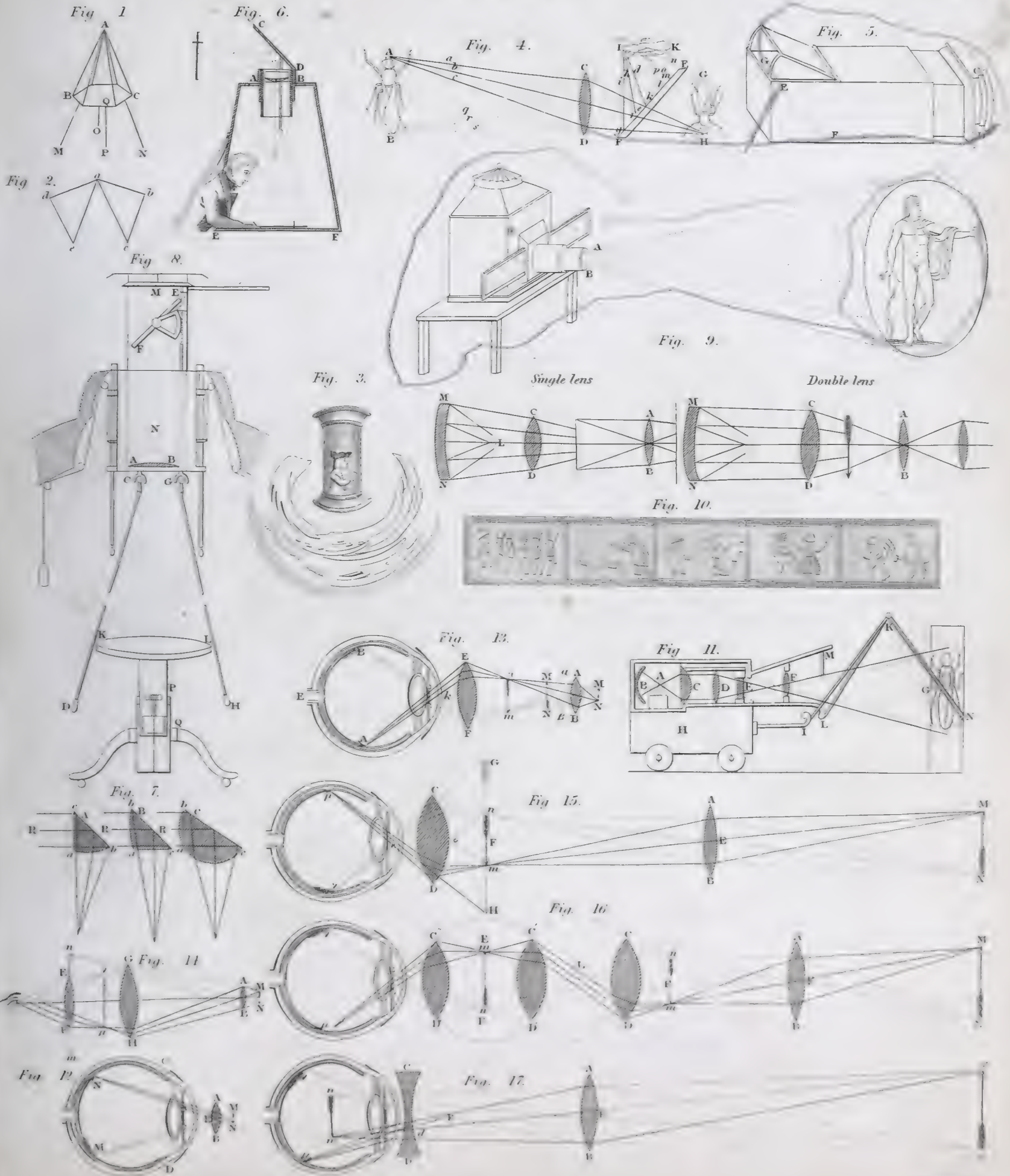




Fig. 1.

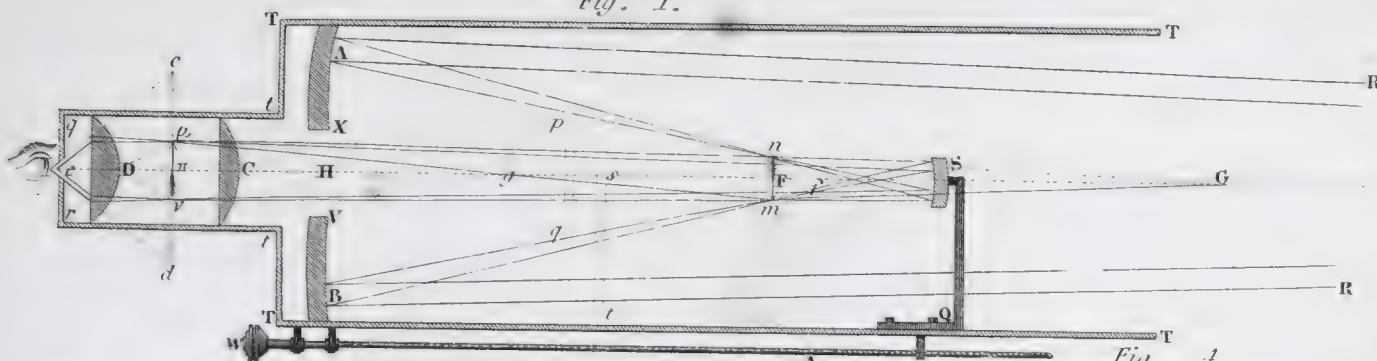


Fig. 2.

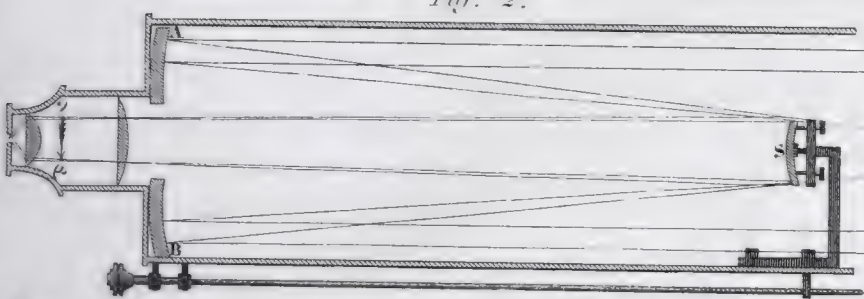


Fig. 4.

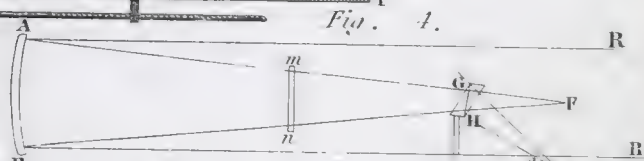


Fig. 5.



Fig. 6.

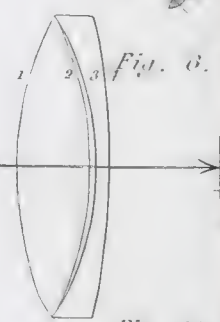


Fig. 9.

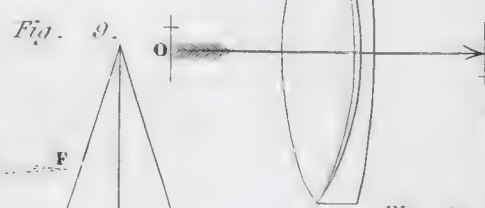


Fig. 3.

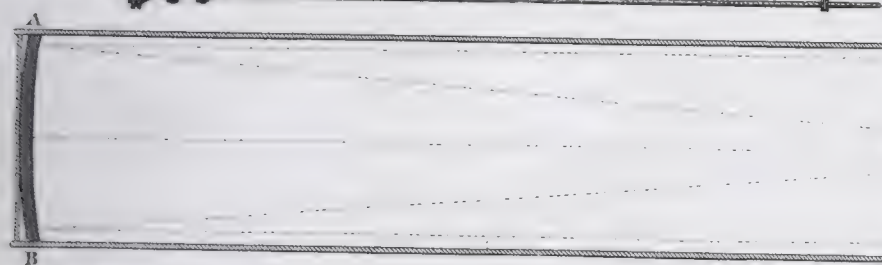


Fig. 11.



Fig. 7.

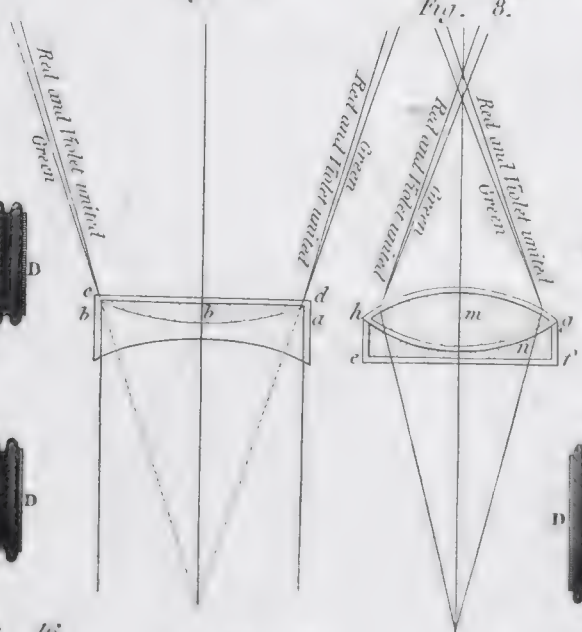


Fig. 8.

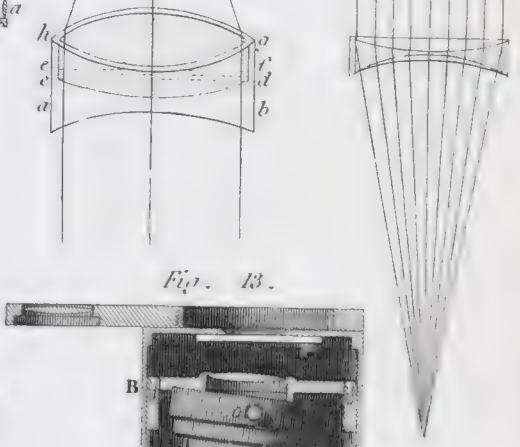


Fig. 13.

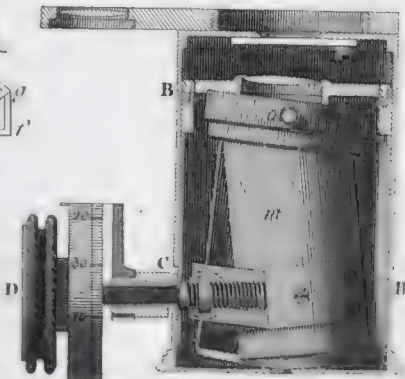


Fig. 12.

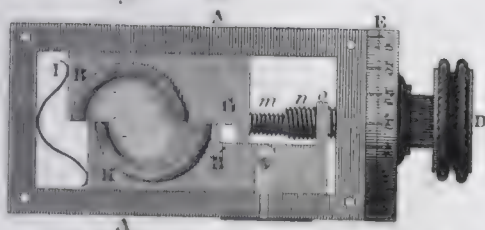


Fig. 15.

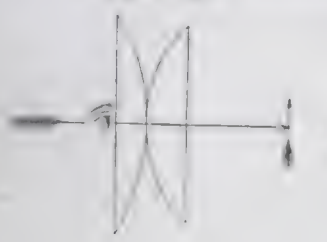


Fig. 16.

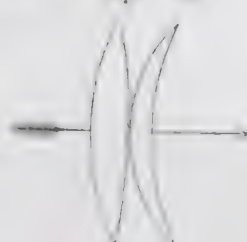


Fig. 17.

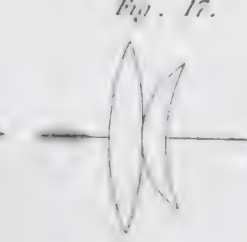


Fig. 18.

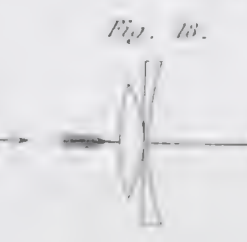
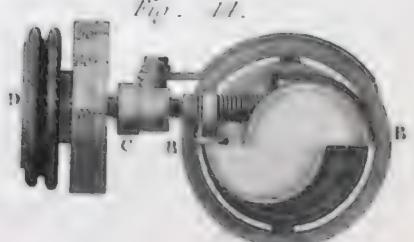


Fig. 14.





OPTICS.

PLATE CCCCXLI.

SIR WILLIAM HERSCHEL'S GREAT FORTY FEET TELESCOPE.

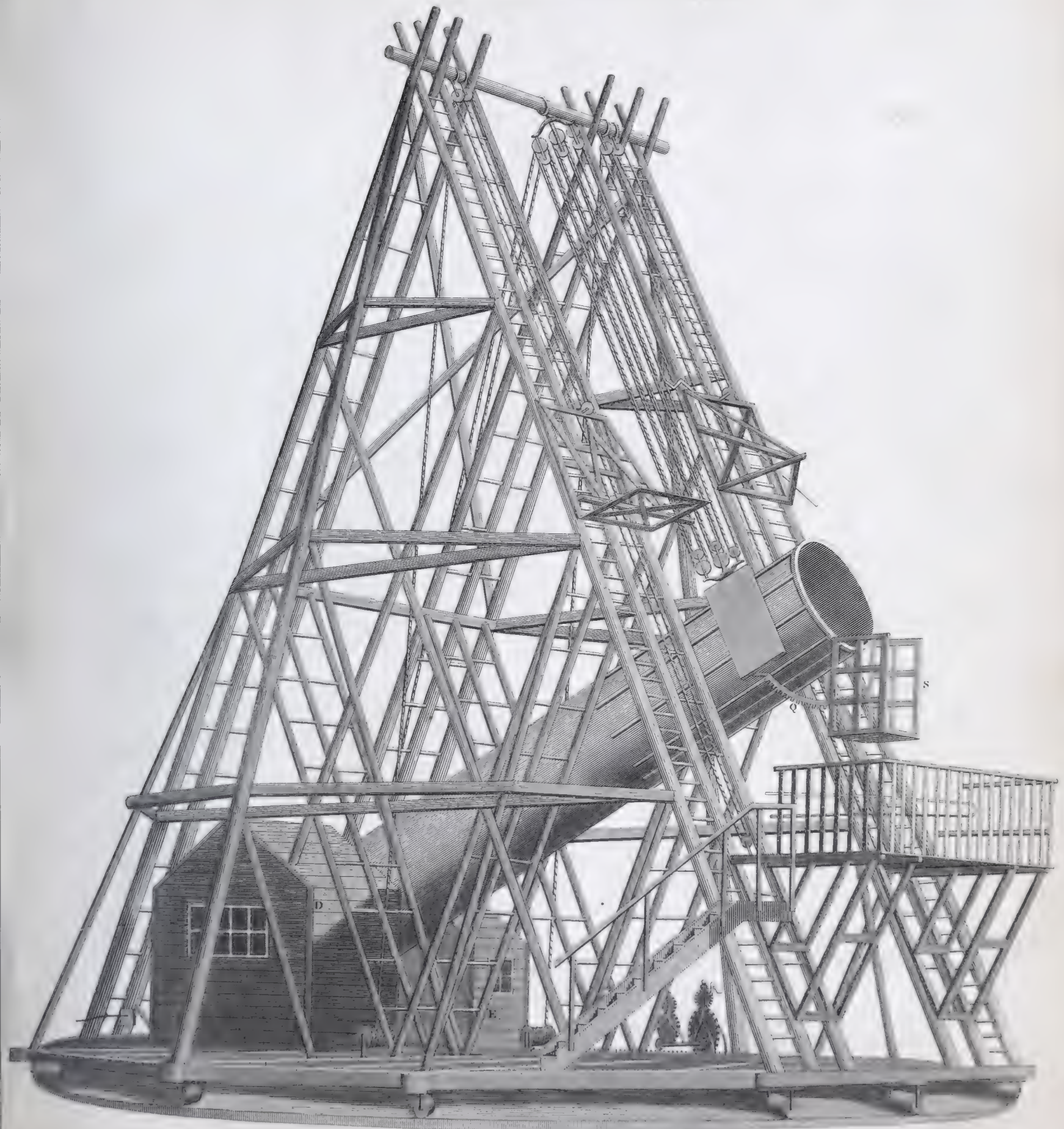


Fig. 1.

Fig. 2.

Fig. 9.

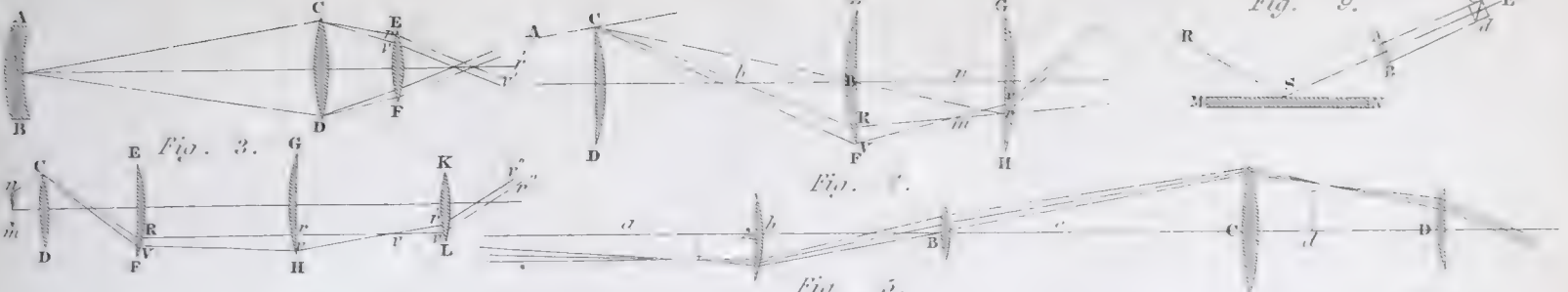


Fig. 3.

Fig. 4.

Fig. 5.

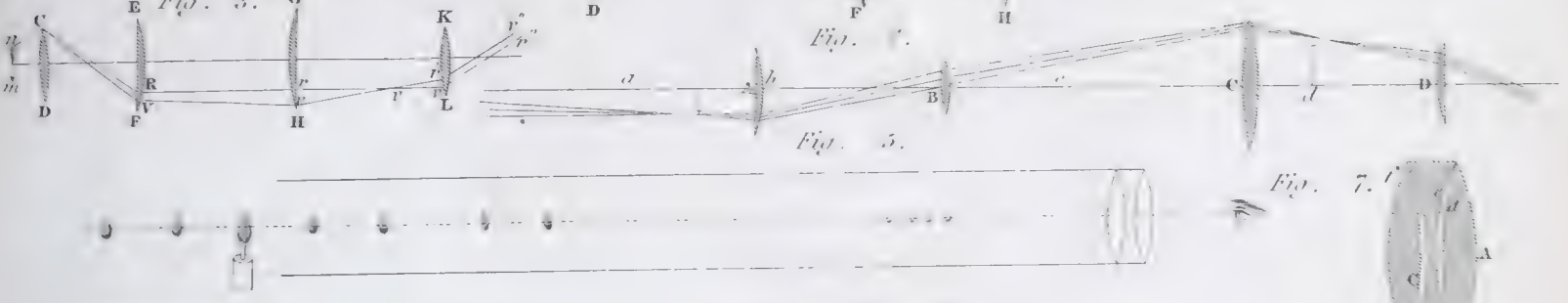


Fig. 7.

Fig. 6.

Fig. 8.

Fig. 24.

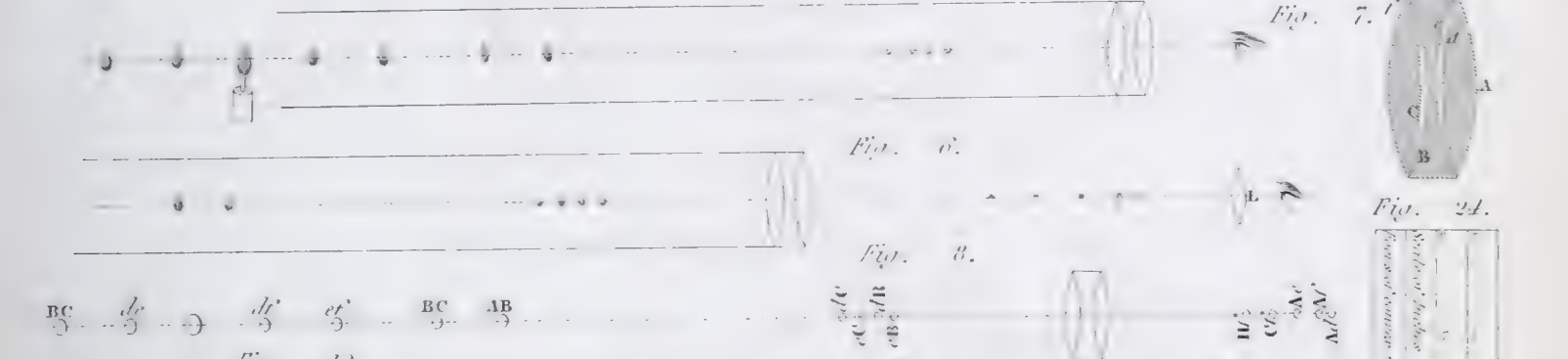


Fig. 10.

Fig. 12.

Fig. 15.

Fig. 15.

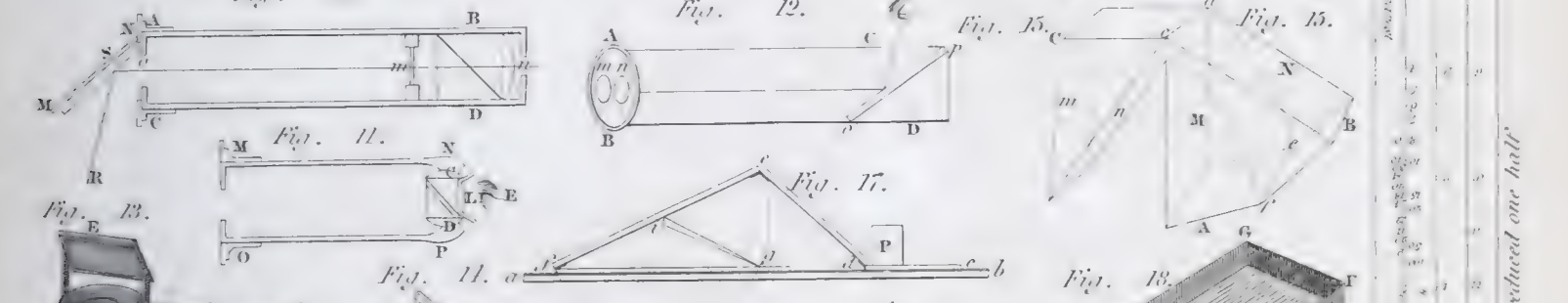


Fig. 11.

Fig. 17.

Fig. 11.

Fig. 16.

Fig. 18.

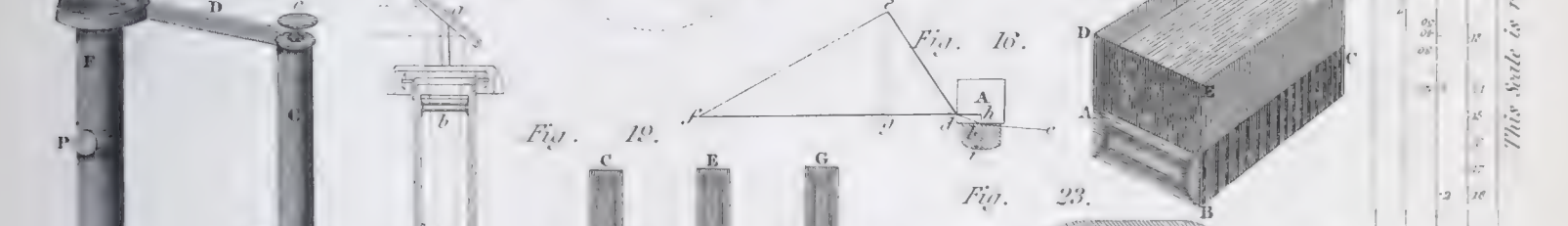


Fig. 19.

Fig. 23.

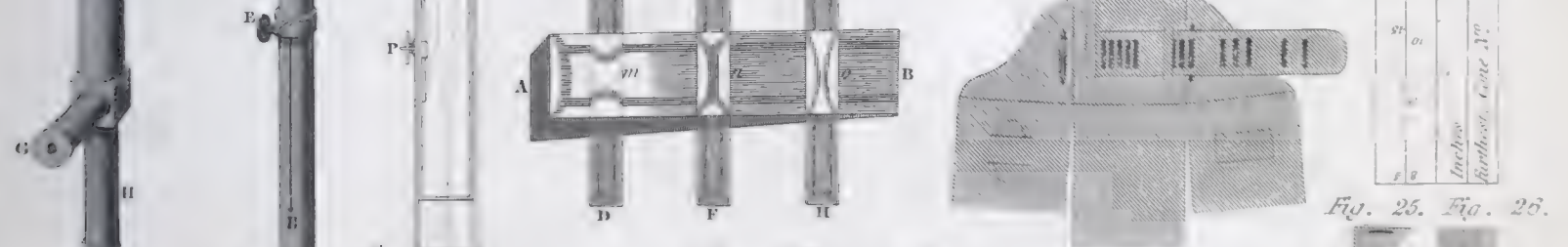
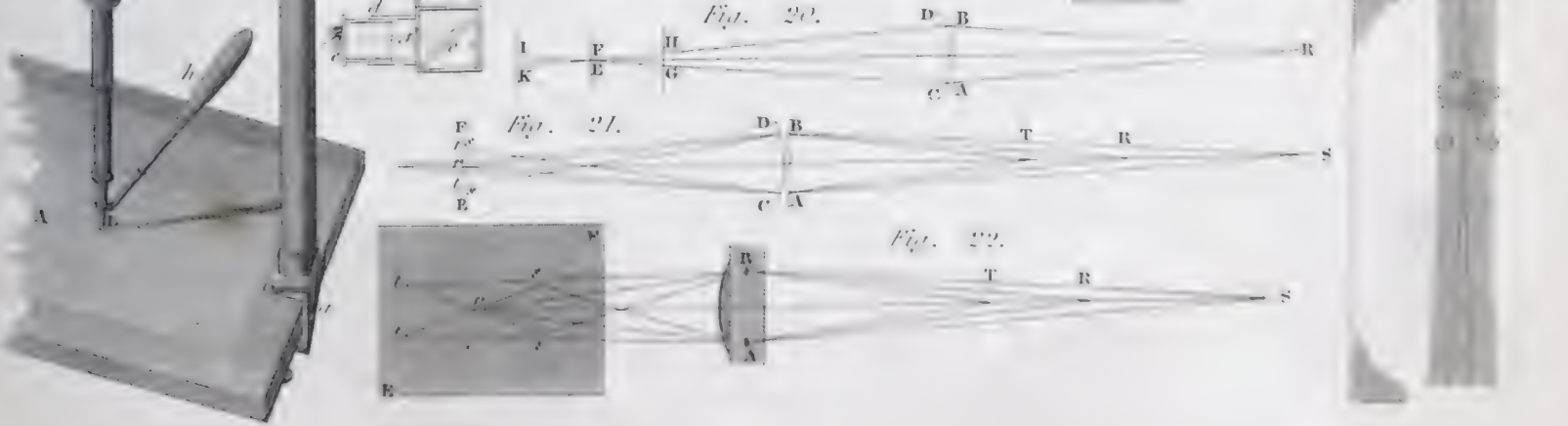


Fig. 20.

Fig. 21.

Fig. 22.



This scale is reduced one half

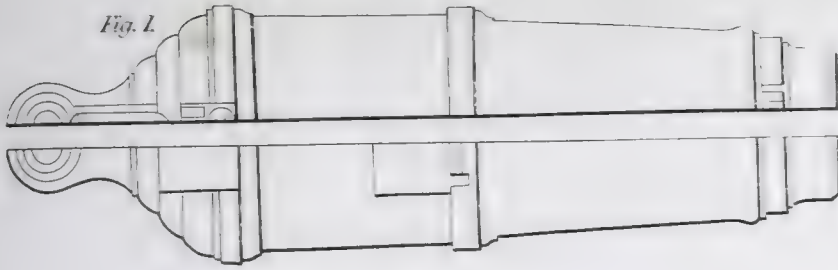
Fig. 25. Fig. 26.



ORDNANCE.

PLATE CCCCXLIV.

24 Pounder Carronade



8 inch Brass Howitzer

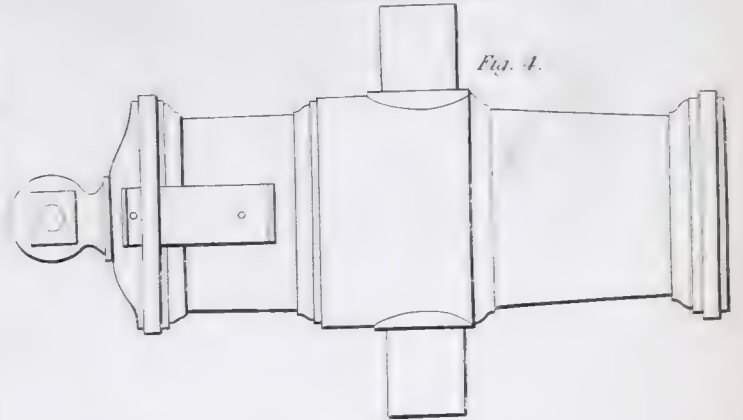


Fig. 2

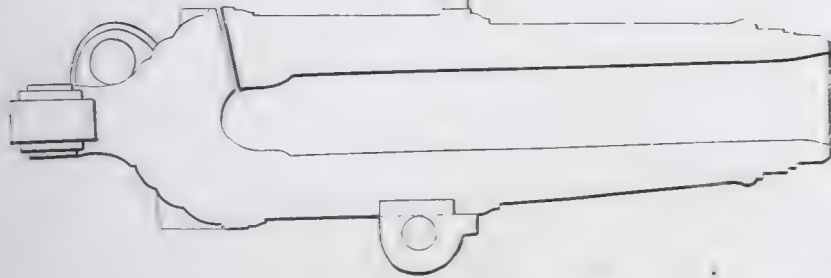


Fig. 5.

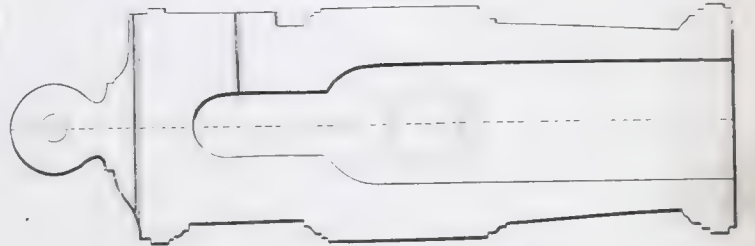
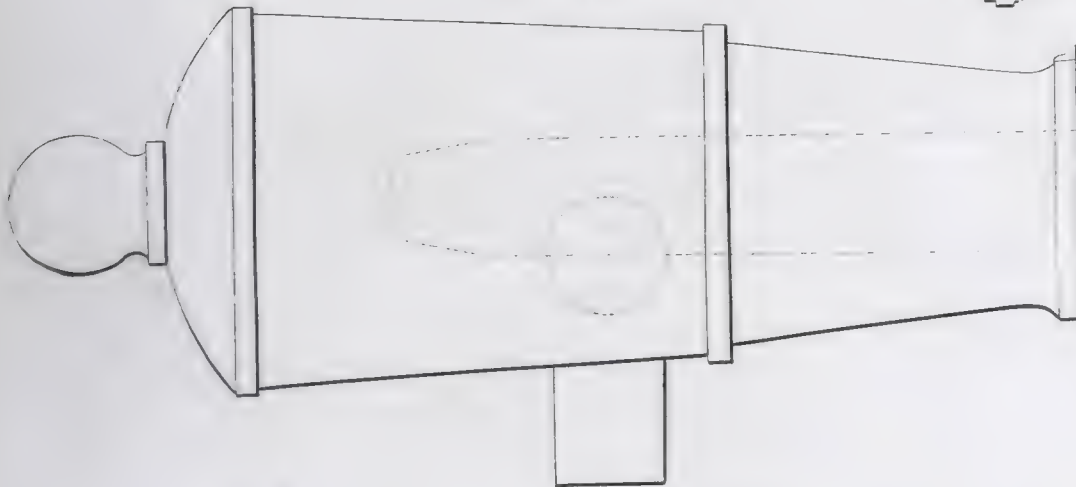


Fig. 3.
Iron 5 1/2 inch Howitzer



10 inch Brass Mortar

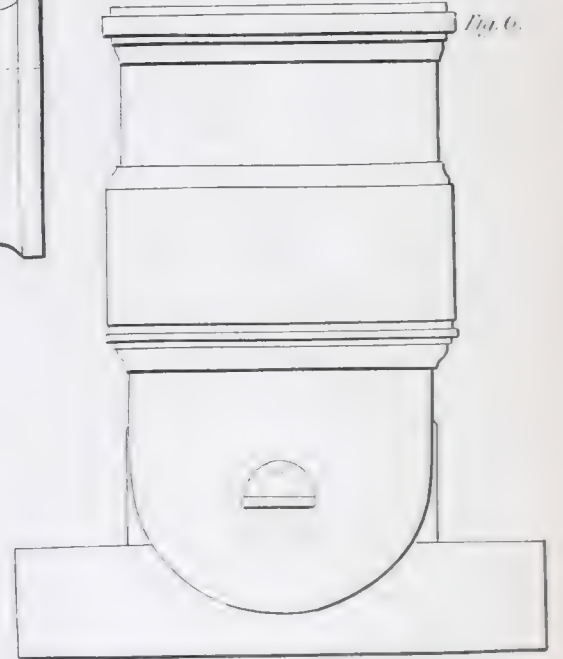


Fig. 10.
Howitzer

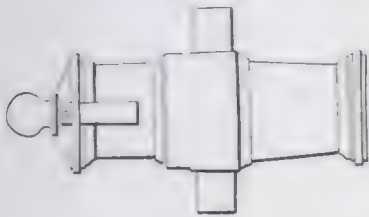


Fig. 8.
13 inch iron Mortar

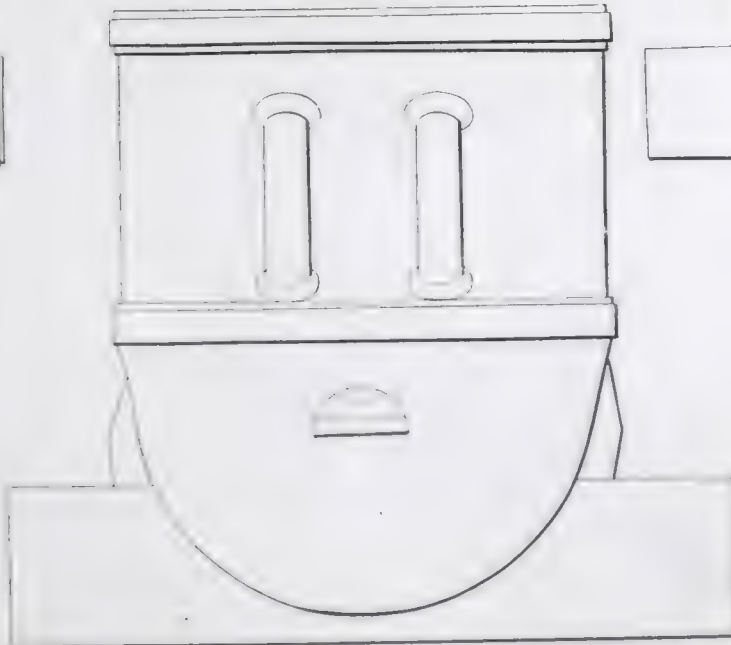
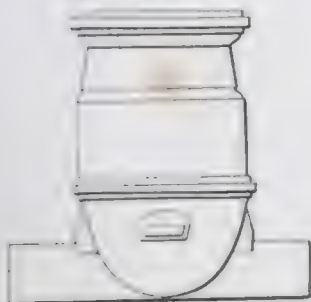
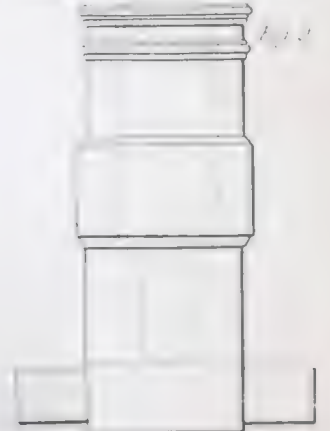


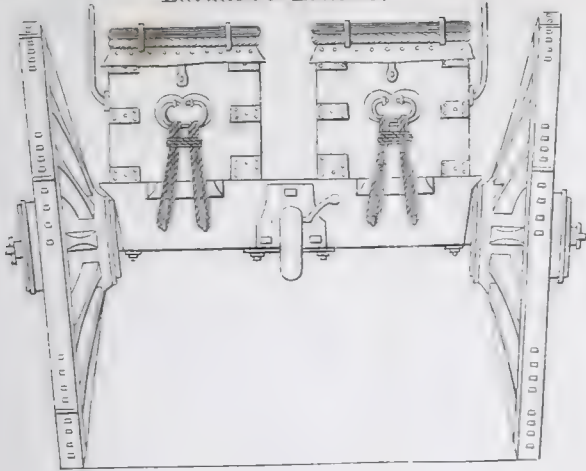
Fig. 7.
5 1/2 inch Brass Mortar



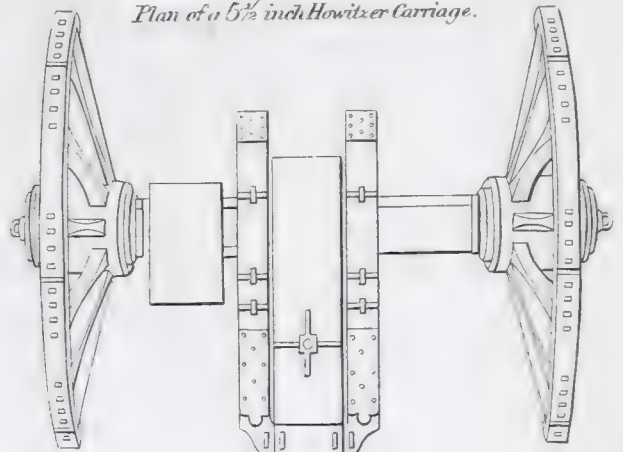
10 inch Brass Mortar



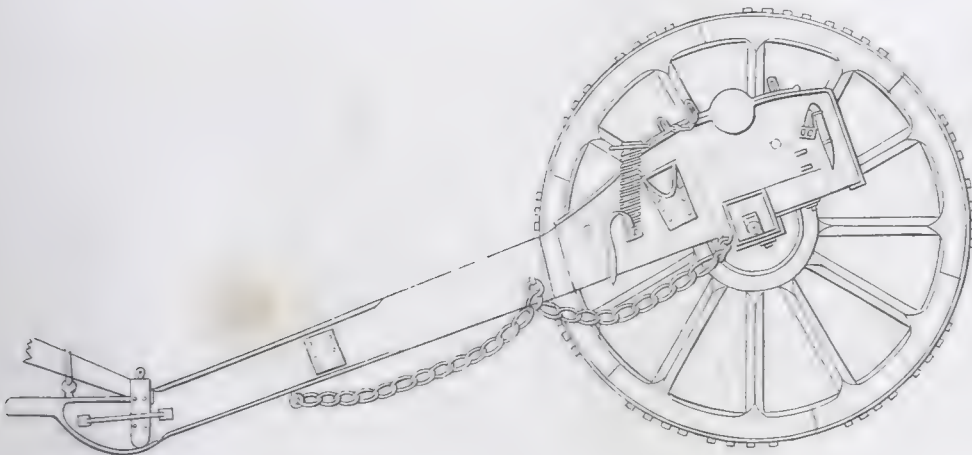
Elevation of Limbers.



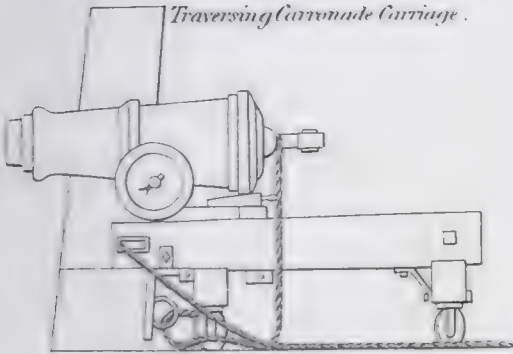
Plan of a 5 1/2 inch Howitzer Carriage.



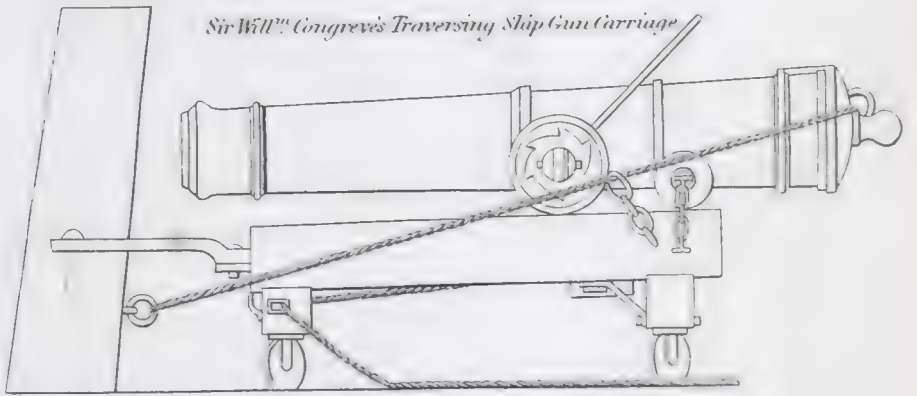
Elevation of Carriage.



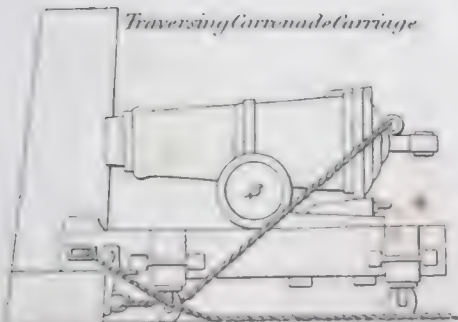
Traversing Carronade Carriage.



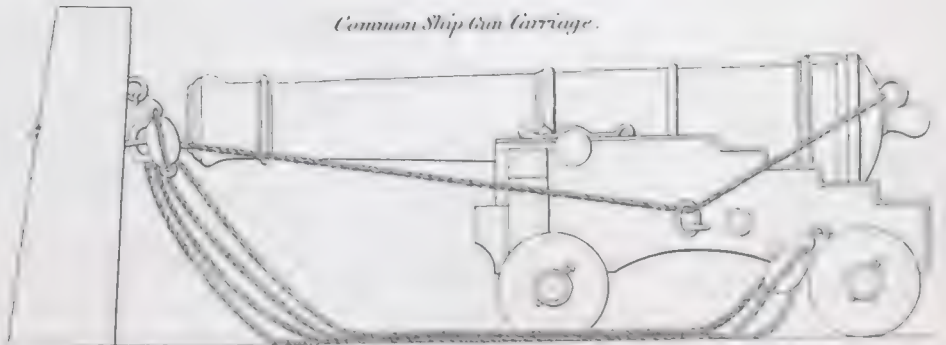
Sir Will^m Congreve's Traversing Ship Gun Carriage.



Traversing Carronade Carriage.



Common Ship Gun Carriage.





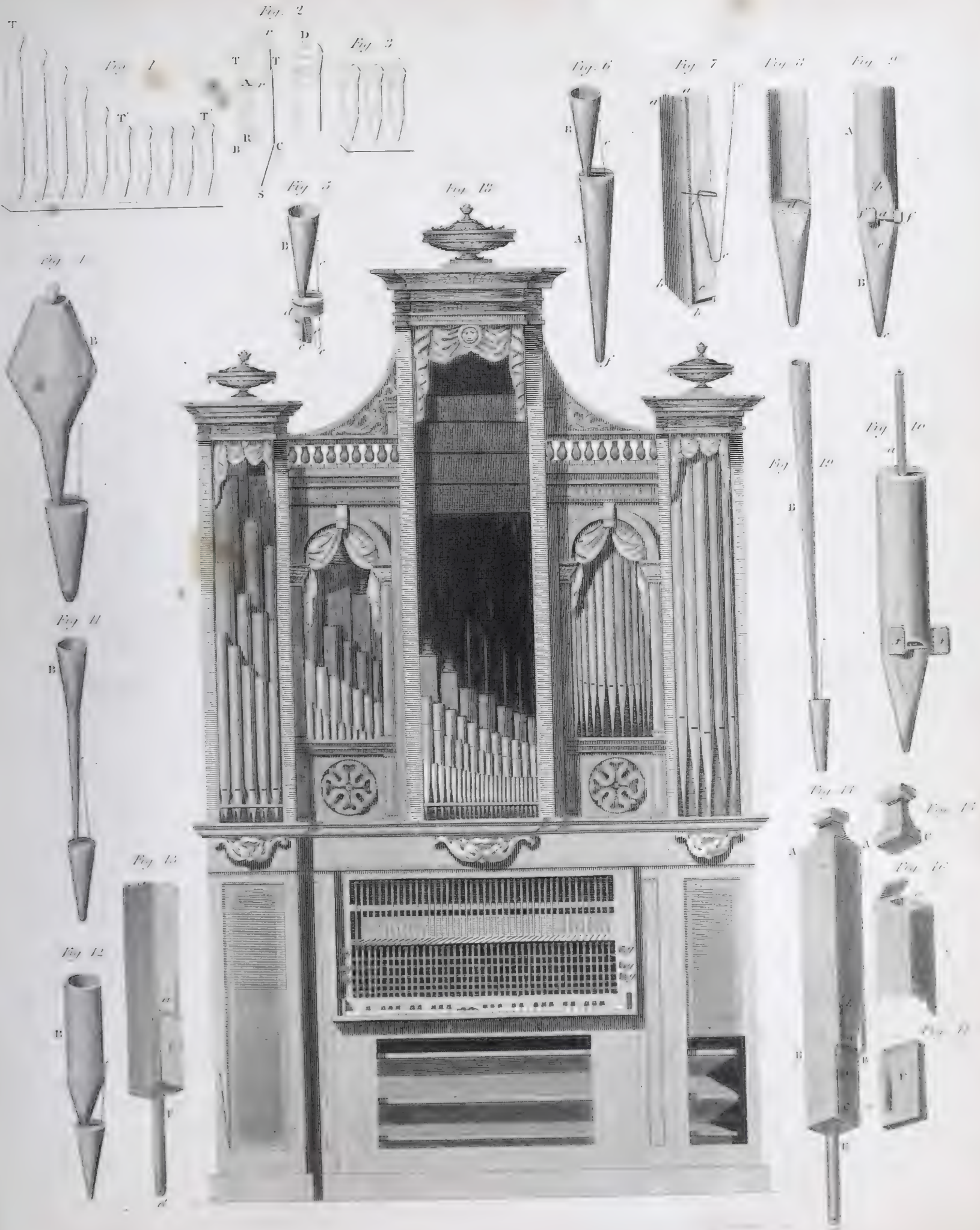




Fig. 1.

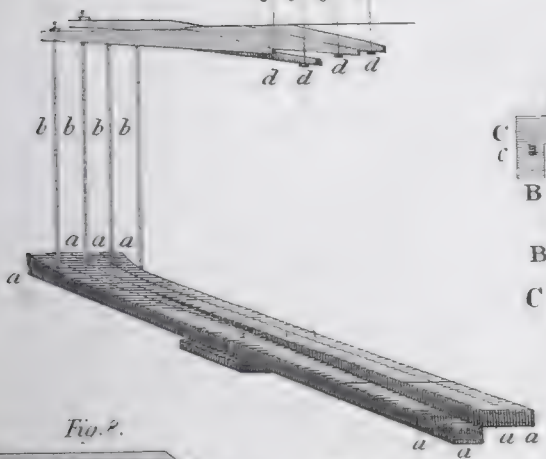


Fig. 2.

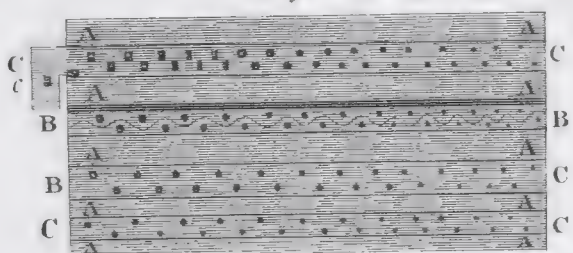


Fig. 2.

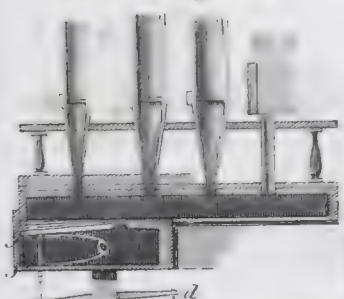
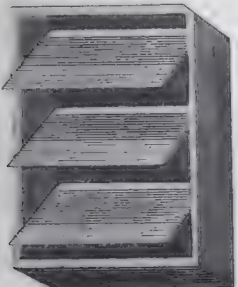


Fig. 3.

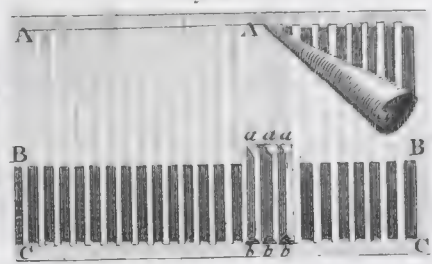


Fig. 4.



Fig. 5.

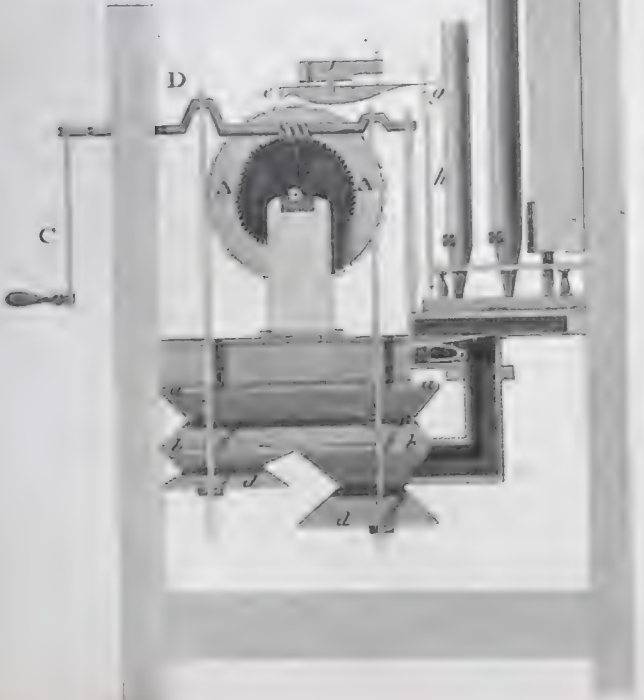


Fig. 6.

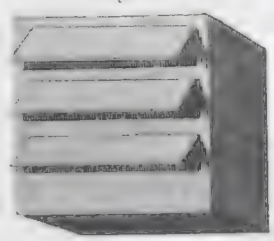


Fig. 7.



L

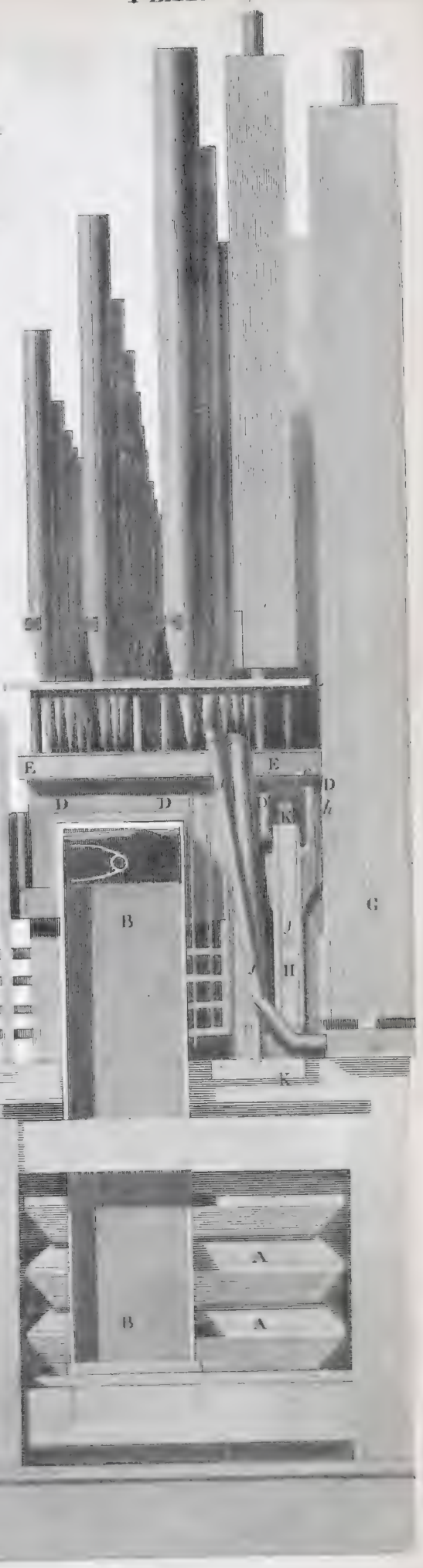




Fig. 1.

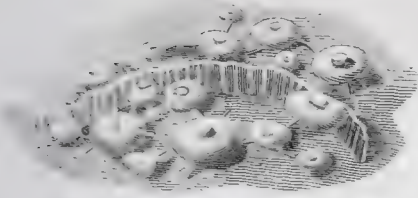


Fig. 2.

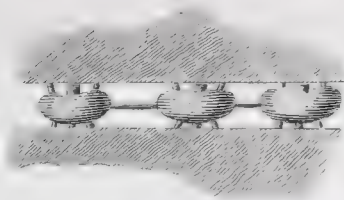


Fig. 3.



Fig. 4.



Fig. 5.

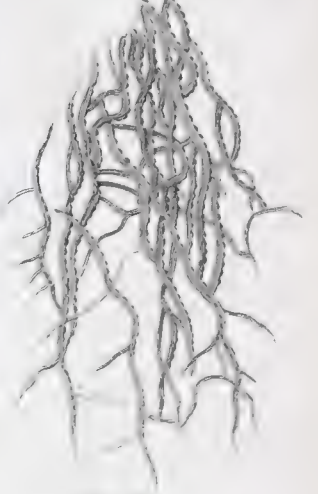


Fig. 7.



Fig. 8.



Fig. 12.



Fig. 9.



Fig. 10.

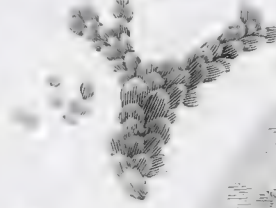


Fig. 11.



Fig. 19.



Fig. 6.

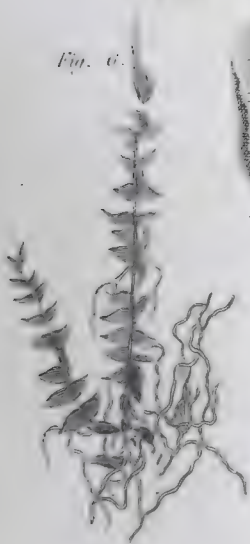


Fig. 15.

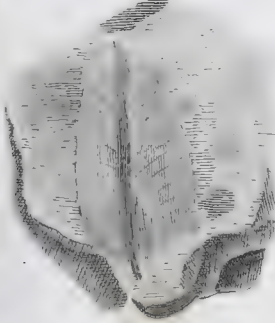


Fig. 11.



Fig. 18.

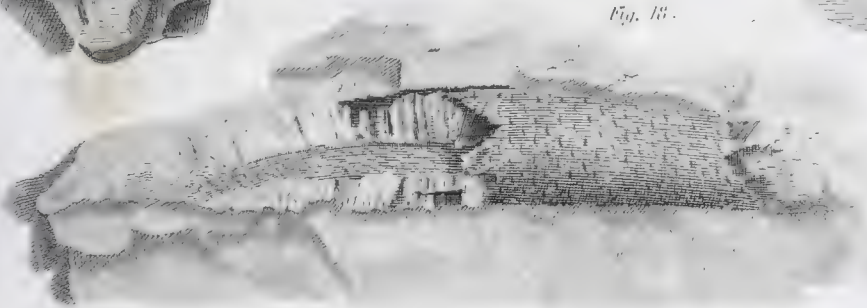


Fig. 15.

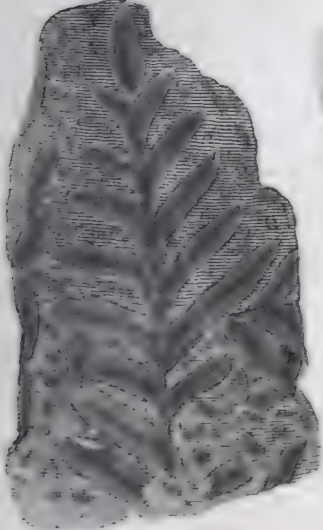


Fig. 15.



Fig. 25.



Fig. 20.



Fig. 23.

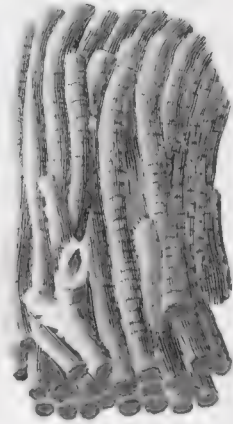


Fig. 13.



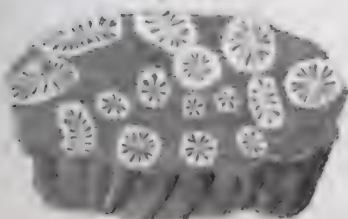
Fig. 16.



Fig. 21.



Fig. 22.





ORGANIC REMAINS. PLATE CCCCXLIX.

Fig. 1.

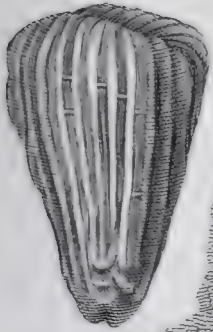


Fig. 2.

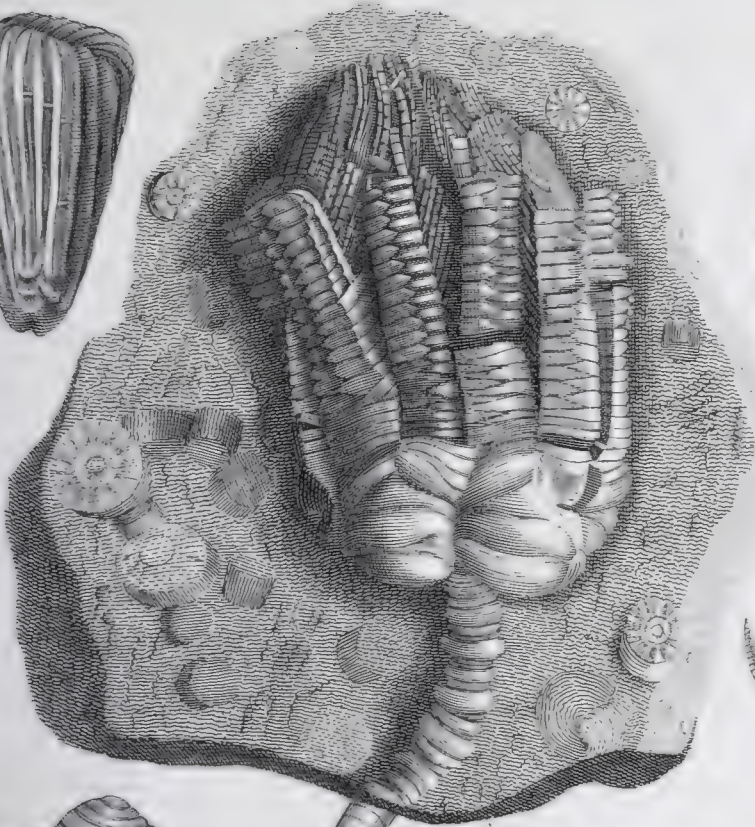


Fig. 4.

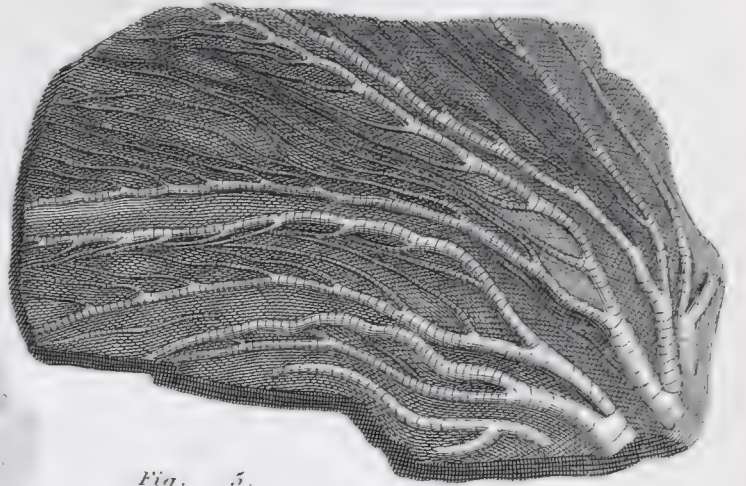


Fig. 11.

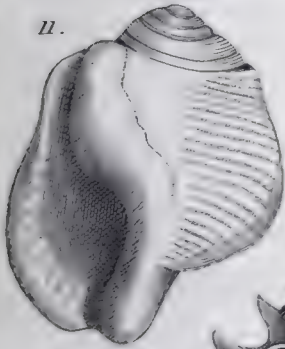


Fig. 7.

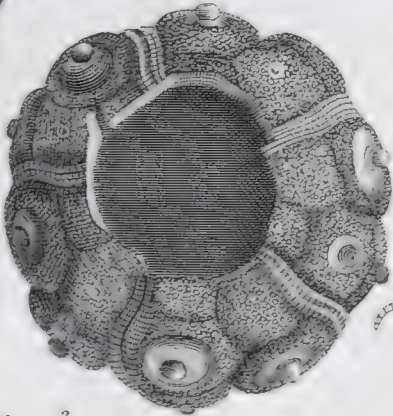


Fig. 5.



Fig. 8.



Fig. 10.



Fig. 6.

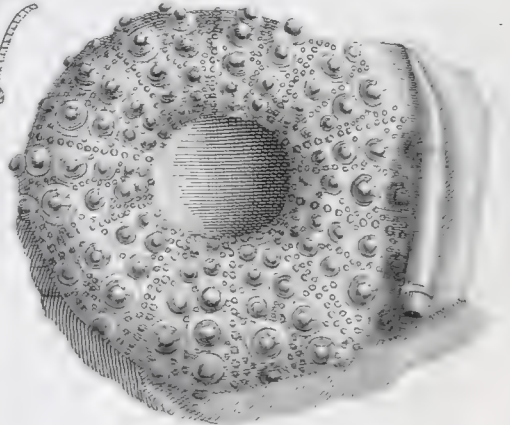


Fig. 9.



Fig. 3.

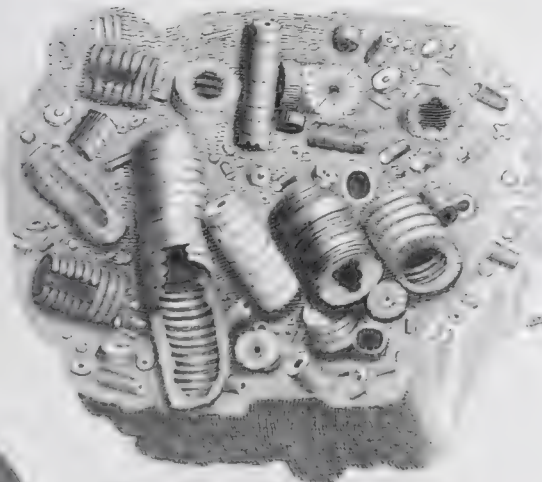


Fig. 13.



Fig. 12.



Fig. 11.



Fig. 15.

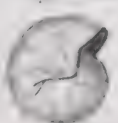


Fig. 16.

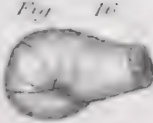


Fig. 17.

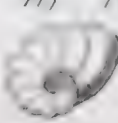


Fig. 18.



Fig. 20.

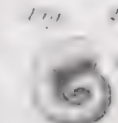
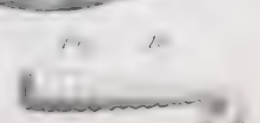


Fig. 19.



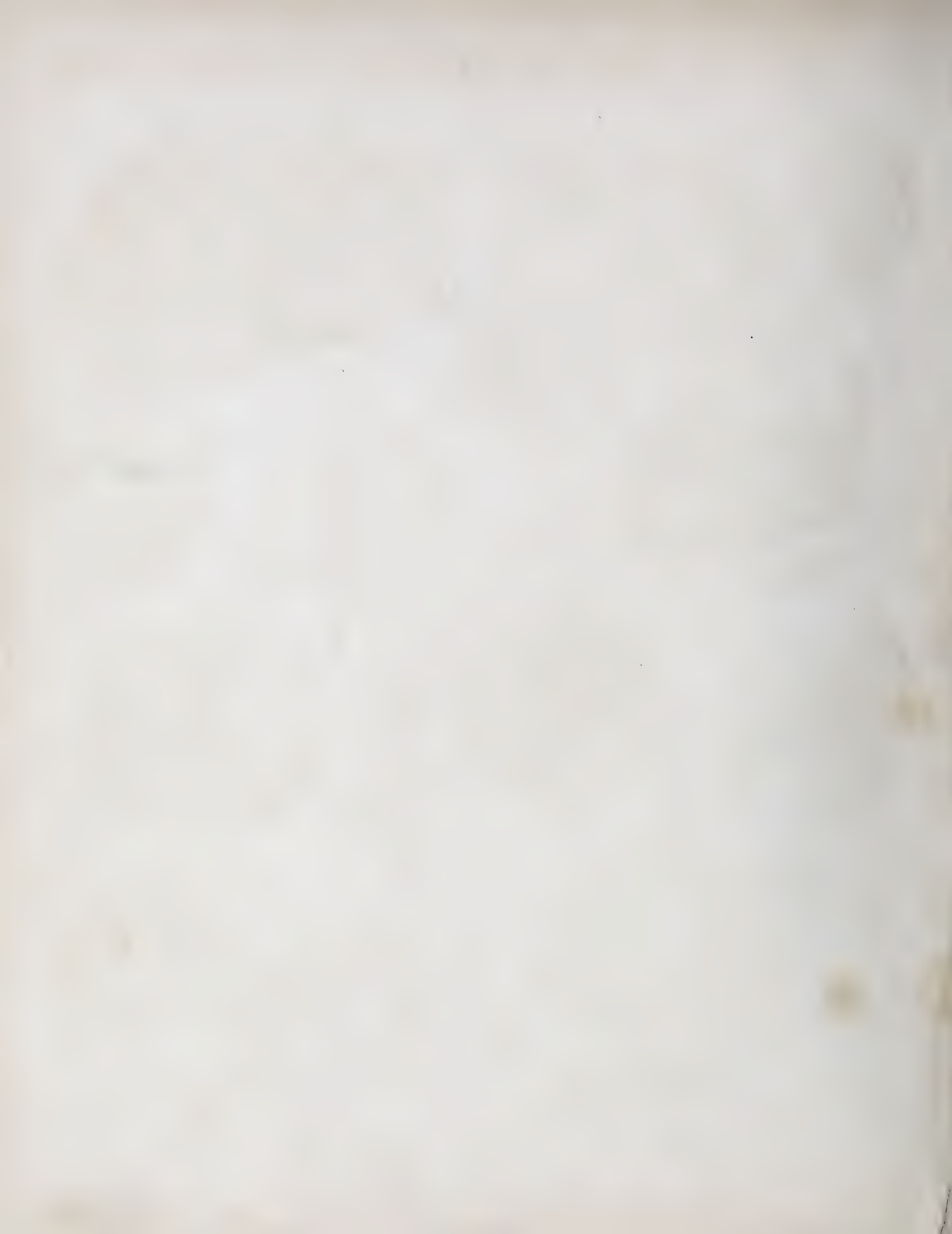


Fig. 1.

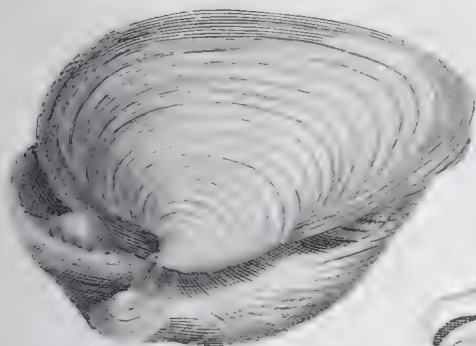


Fig. 2.

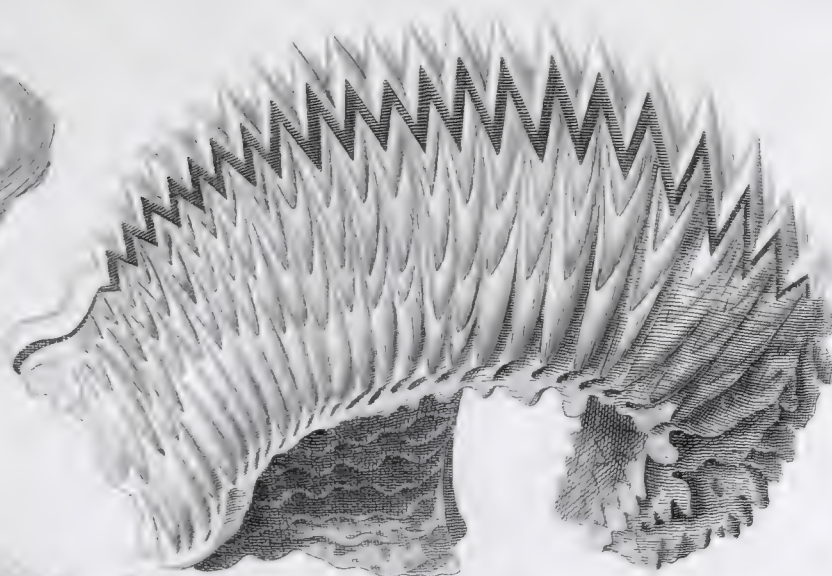


Fig. 3.



Fig. 3.

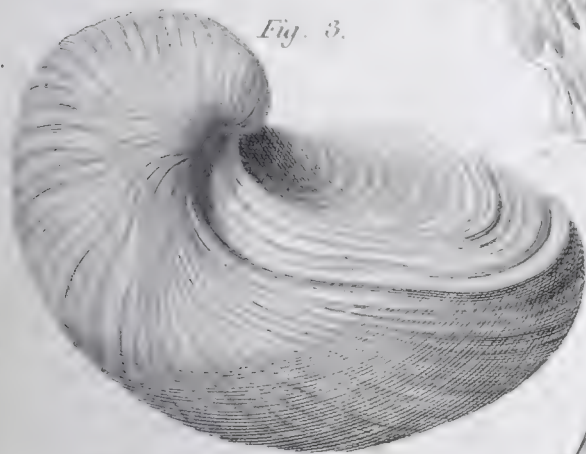


Fig. 5.



Fig. 6.



Fig. 7.



Fig. 15.

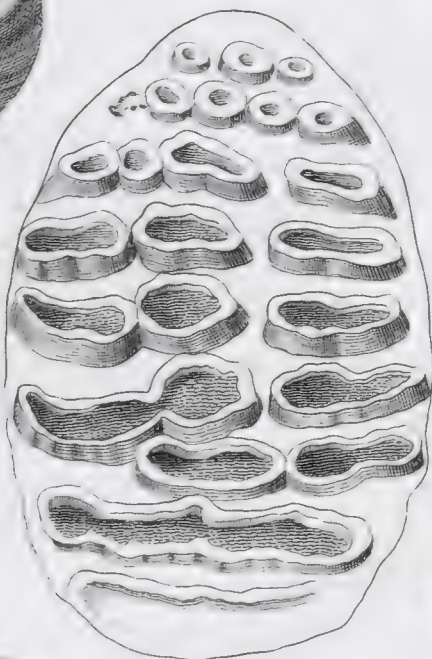


Fig. 11.

Fig. 11.



Fig. 13.

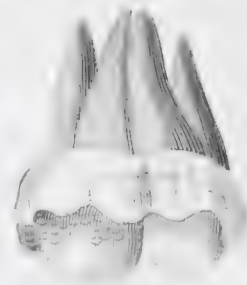


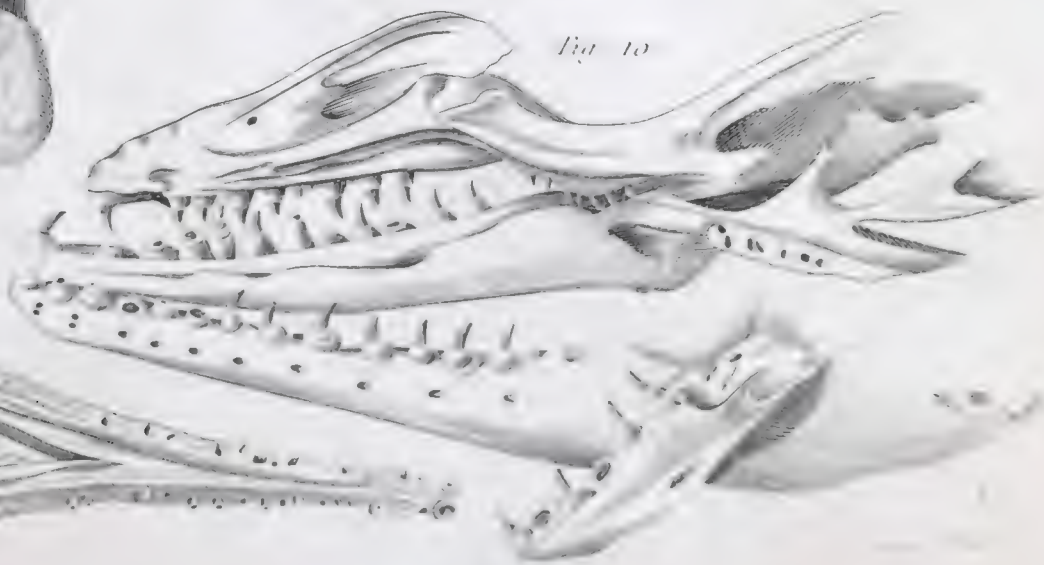
Fig. 12.



Fig. 9.



Fig. 10.



ORNITHOLOGY.

PLATE CCCCLIV.

ORIOIUS GALBULA
Golden Oriole



TROCHILUS MINIMUS
Least Humming Bird



FRINGILLA PARADISEA
Whidaw Bunting



ORIOIUS BALTIMORE
Baltimore Oriole



PARUS PENDULINUS
Penduline Titmouse



PSITTACUS CRISTATUS
Broad Crested Cockatoo



SYLVIA REGULUS
Golden Crested Wren



LOXIA CURVIROSTRA
Crossbill



HIRUNDO FUCIPHAGA
Esulent Swallow



PSITTACUS ALEXANDRI
Alexandrine Parakeet



UPUPA EPOPS
Hoopoe



RAMPHASTOS VIRIDIS
Green Toucan



ALCEDO GIGANTEA
Giant King Fisher



RECURVIROSTRA AVOCETTA

Avocet



ARGUS POLYPLECTRON

Peacock Pheasant.



GALLUS SONNERATH

Jungle Cock



PHENICOPTERUS RUBER

Flamingo



ARGUS GIGANTEUS

Gigantic Argus



PHASIANUS SATYRUS

Horned Pheasant



ARDEA MINUTA

Little Heron



CASSIARIUS GALEATUS

Galatal Cassowary



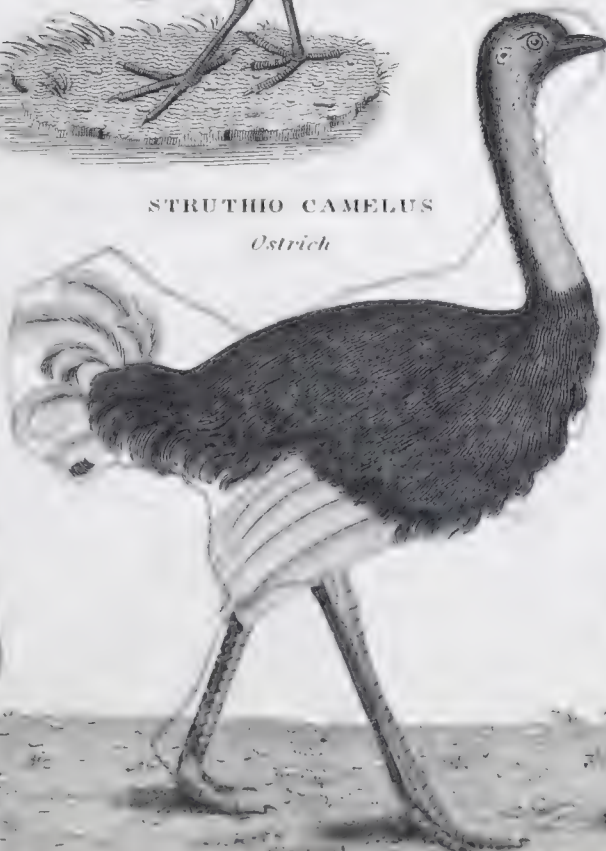
RHEA AMERICANA

American Rhea



STRUTHIO CAMELUS

Ostrich



PLATALEA LEUCORODIA
Spoonbill.



ANAS SPECTABILIS
King Duck.



PSOPHA CREPITANS
Trumpeter.



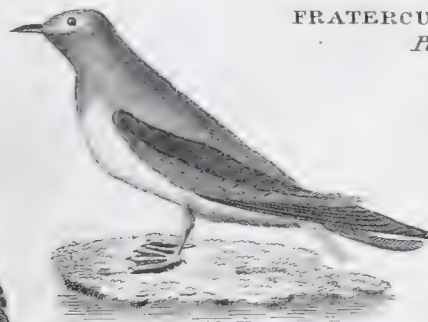
IBIS RELIGIOSA
Sacred Ibis.



PALAMEDEA CORNUTA
Horned Screamer.



LARUS MINUTUS
Pigmy Gull.



FRATERCULA ARCTICA
Puffin.



DIOMEDEA EXULANS
Wandering Albatross.



PELECANUS ONOCROTALUS
Common Pelican.



APTERODYTES PATAGONICA
Patagonian Penguin.





Fig. 1.

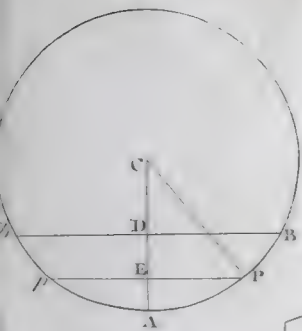


Fig. 2.

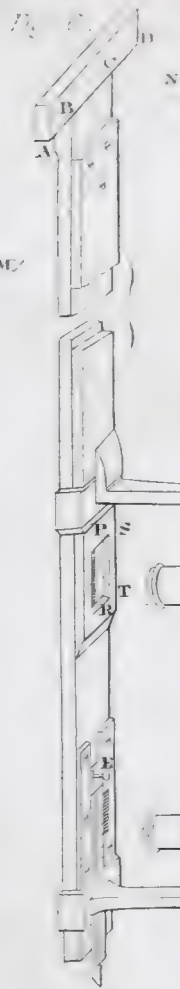


Fig. 3.

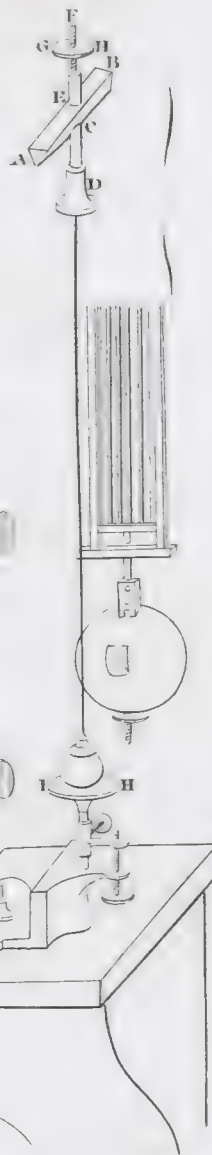


Fig. 8.



Fig. 11.

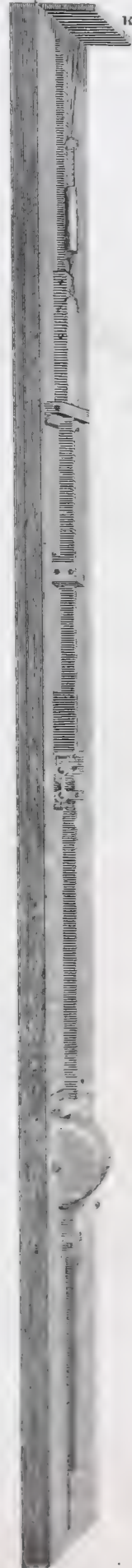


Fig. 5.



Fig. 4.

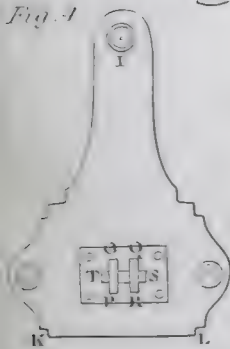


Fig. 9.

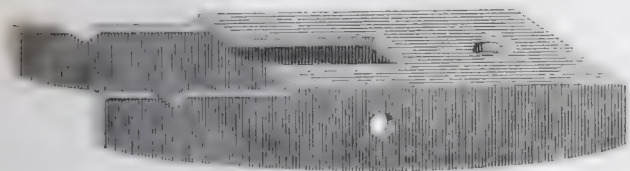


Fig. 10.

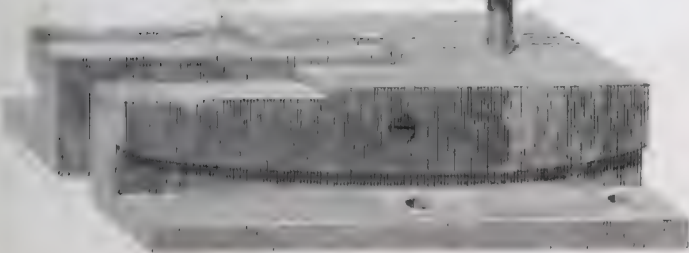
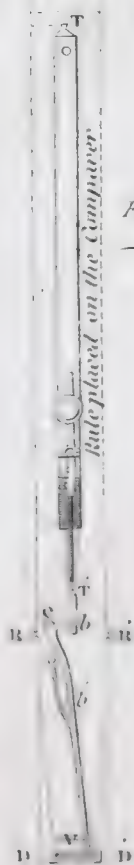


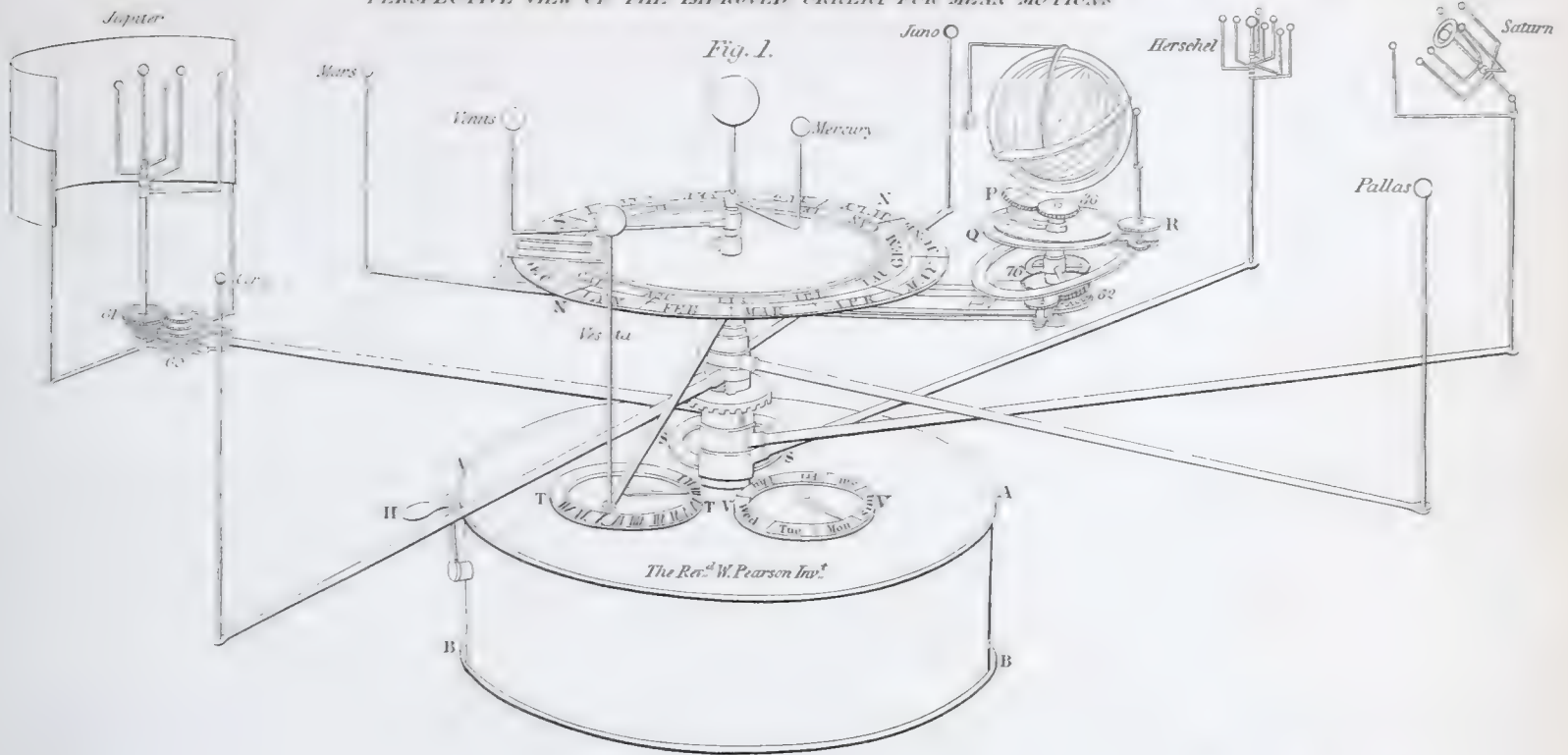
Fig. 7.





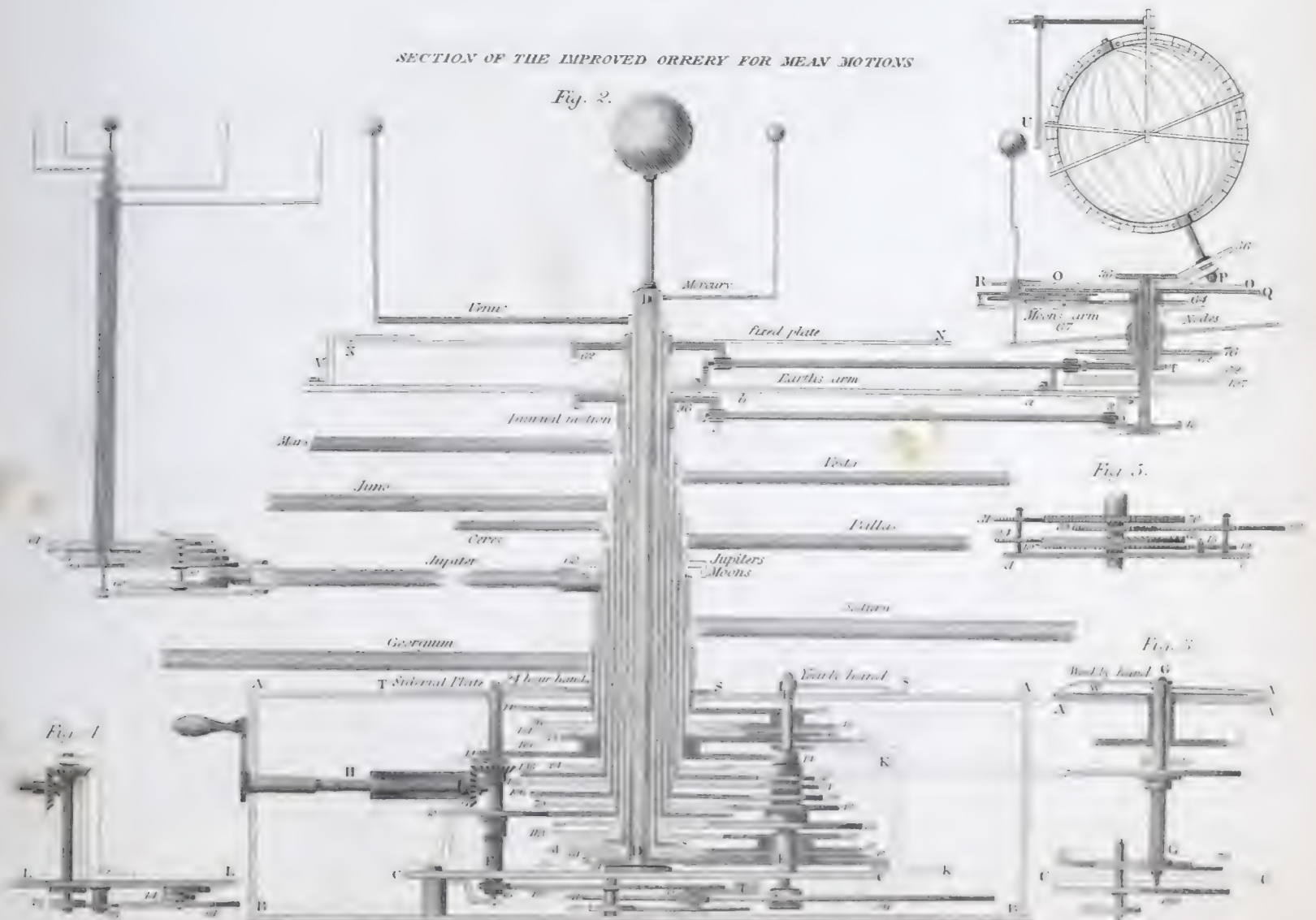
PLANETARY MACHINE. PLATE CCCCLVII.

PERSPECTIVE VIEW OF THE IMPROVED ORRERY FOR MEAN MOTIONS



SECTION OF THE IMPROVED ORRERY FOR MEAN MOTIONS

Fig. 2.





PLANING MACHINE.

PLATE CCCCLXIII.

IN THE ROYAL ARSENAL WOOLWICH

Fig 7.

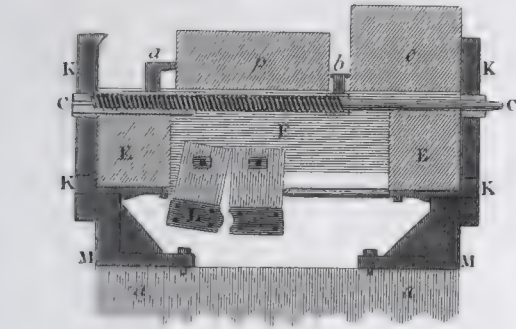


Fig 1.

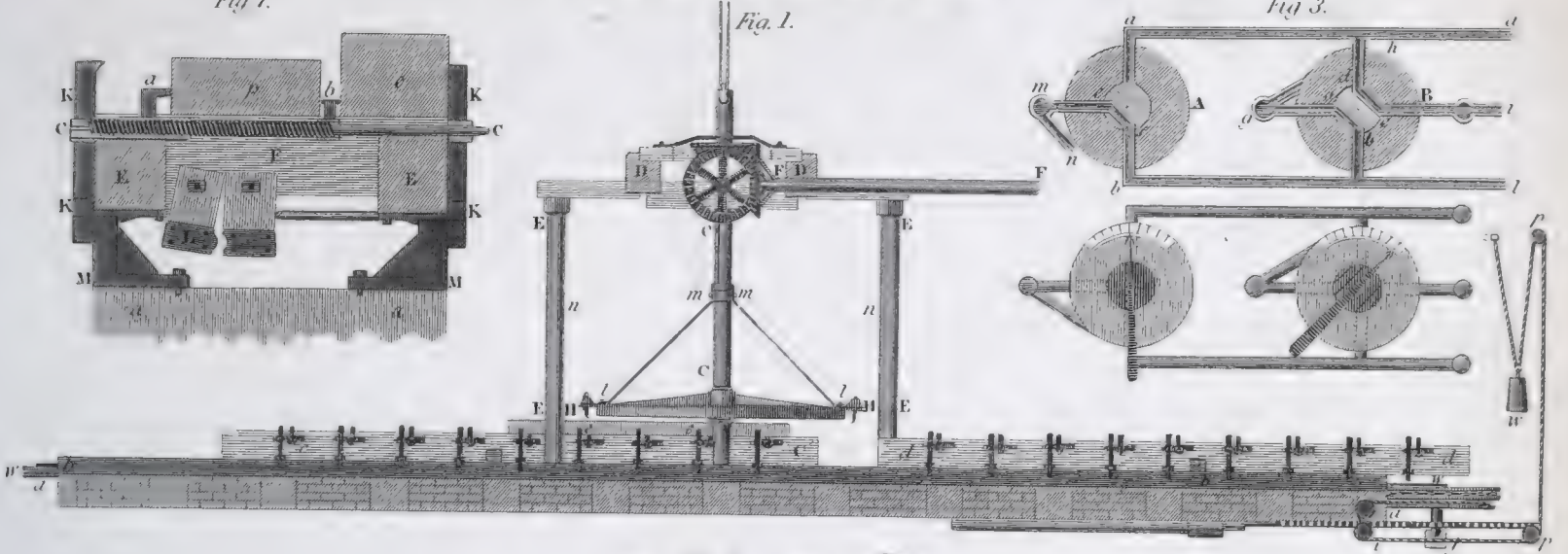


Fig 3.

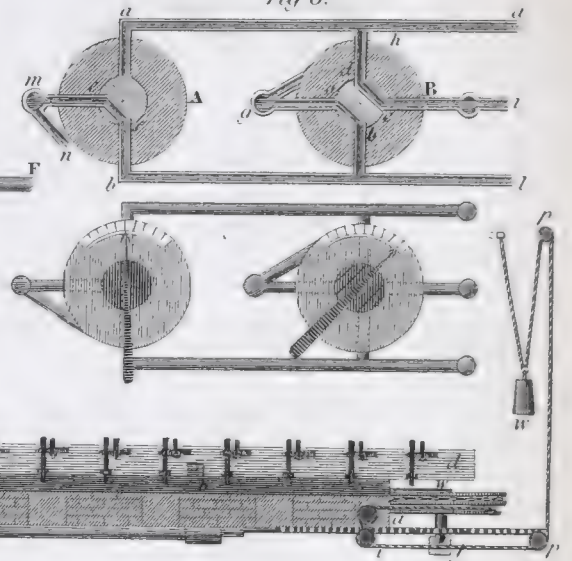


Fig 2.

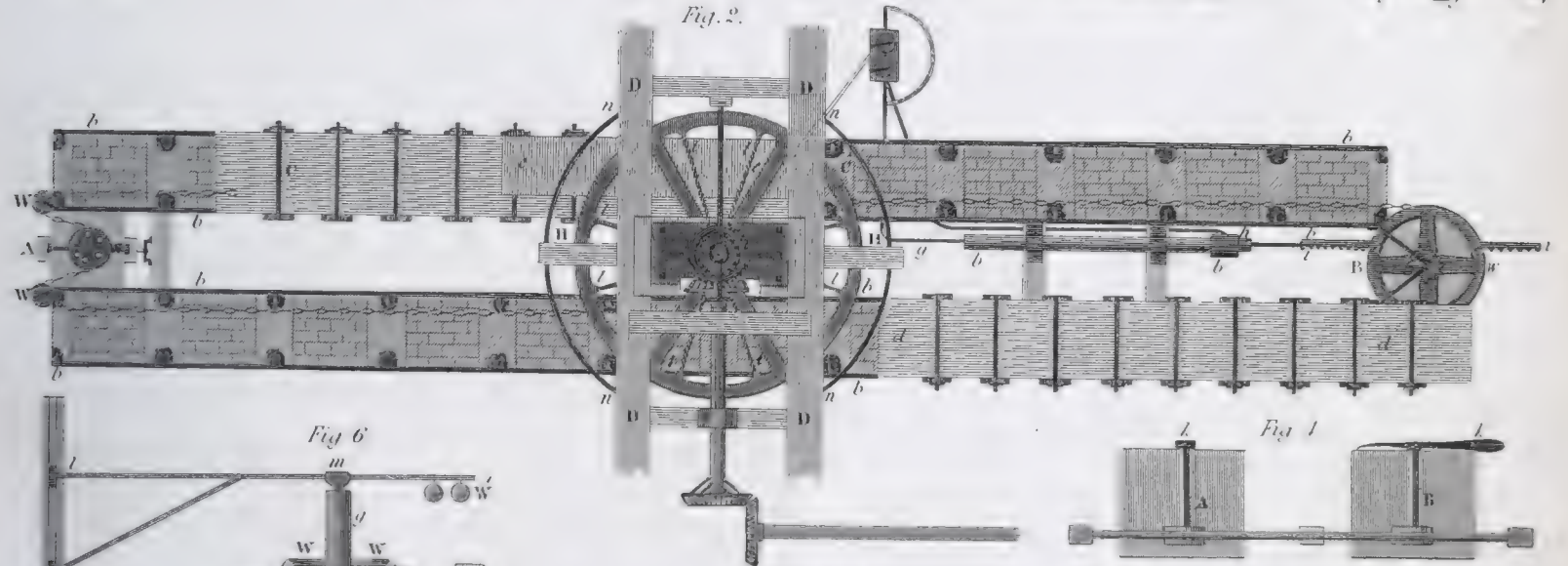


Fig 6.

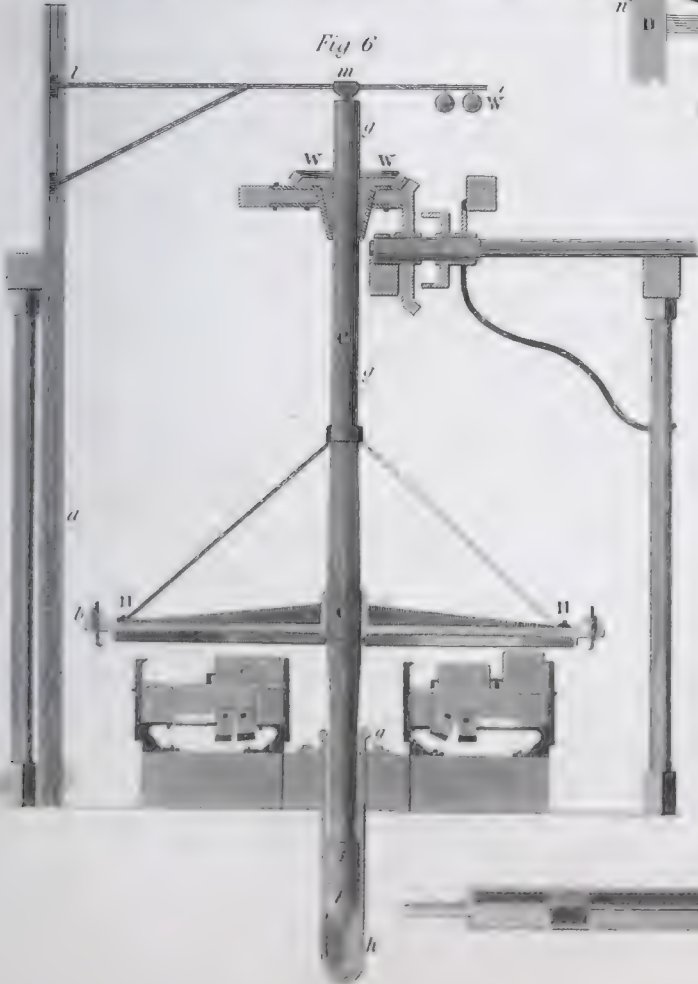


Fig 1.

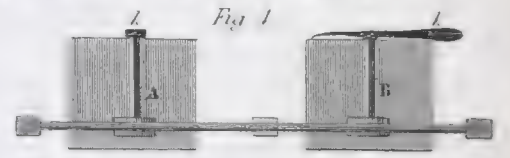


Fig 8.

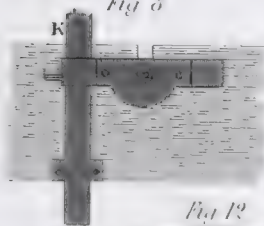


Fig 9.

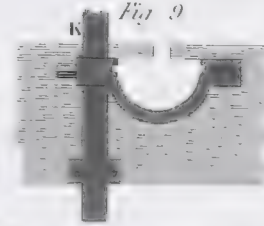


Fig 10.

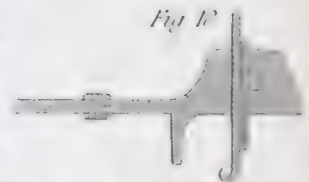


Fig 12.



Fig 11.

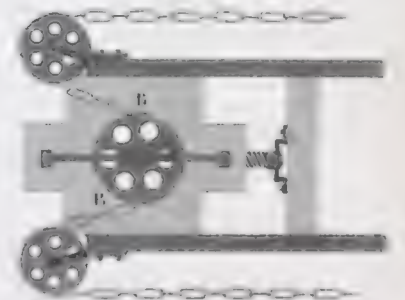


Fig 5.



PNEUMATICS.

PLATE CCCCLXIV.

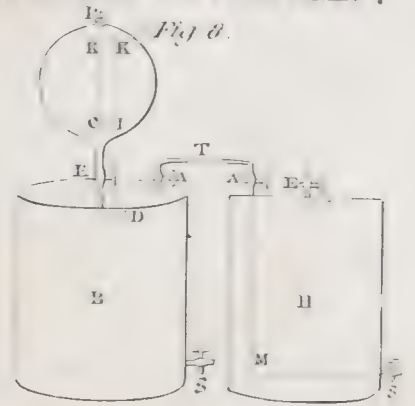
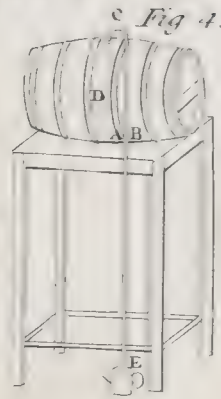
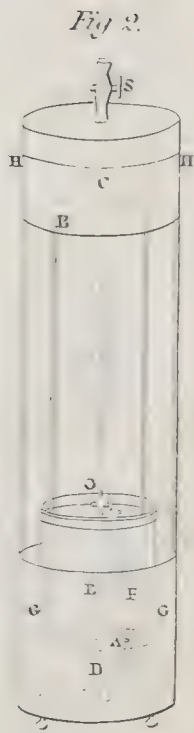


Fig 9.

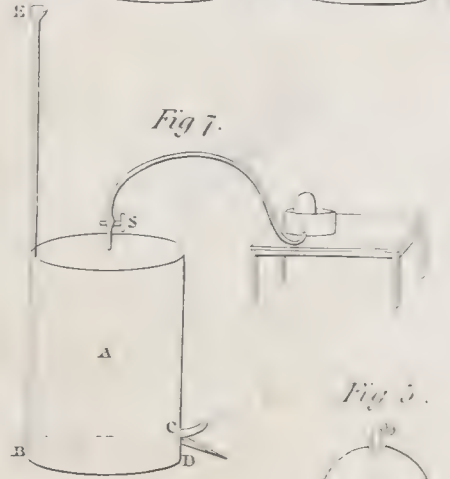
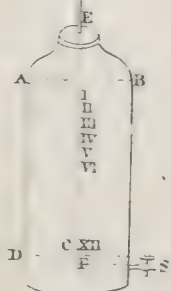


Fig 13.

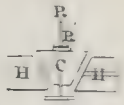


Fig 10.

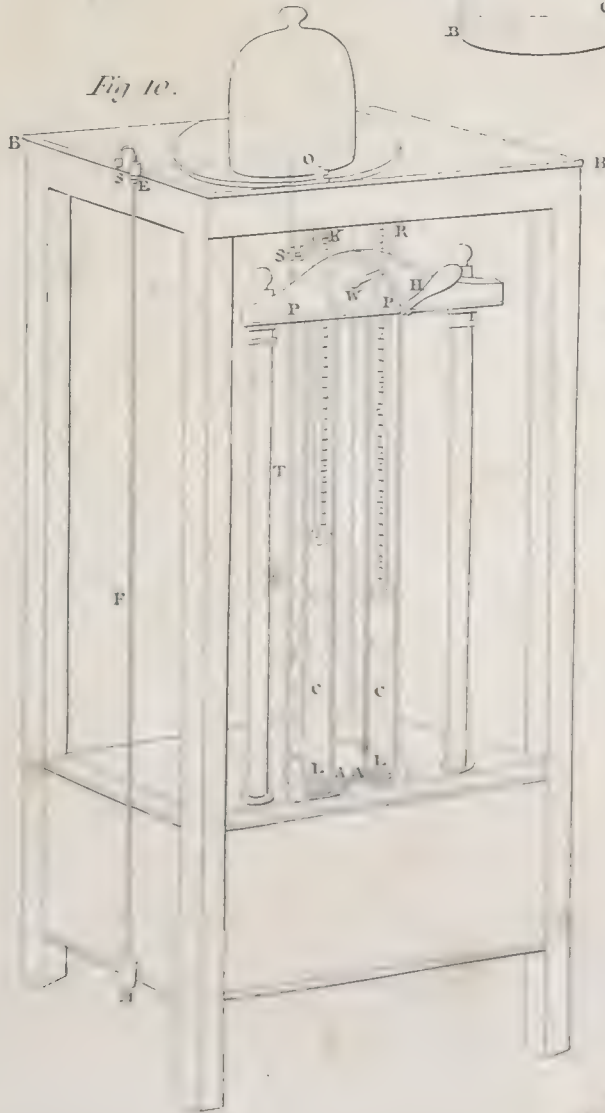


Fig 5.



Fig 12.

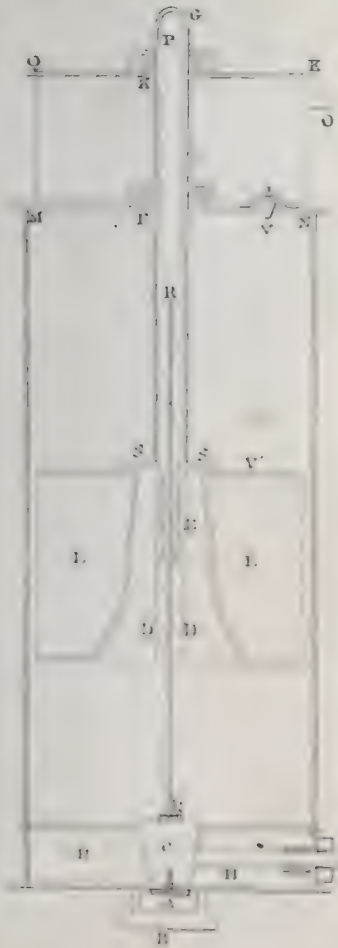


Fig 11.

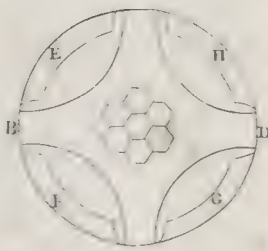


Fig 14.

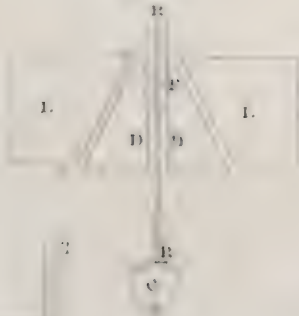


Fig 6.

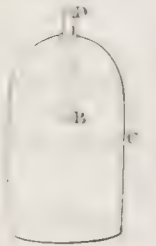
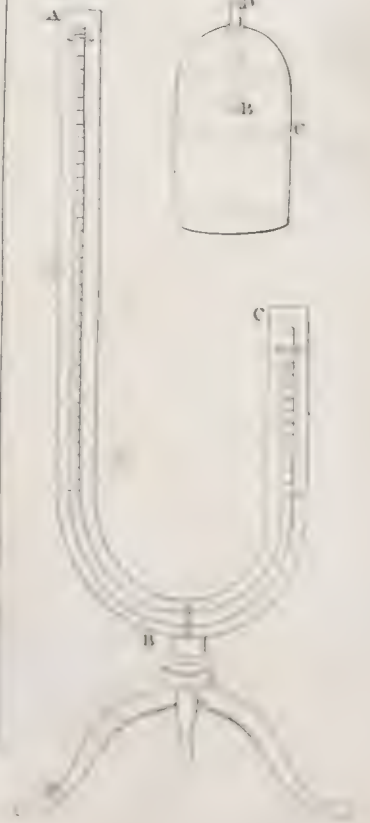
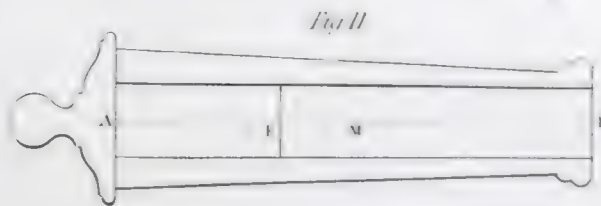
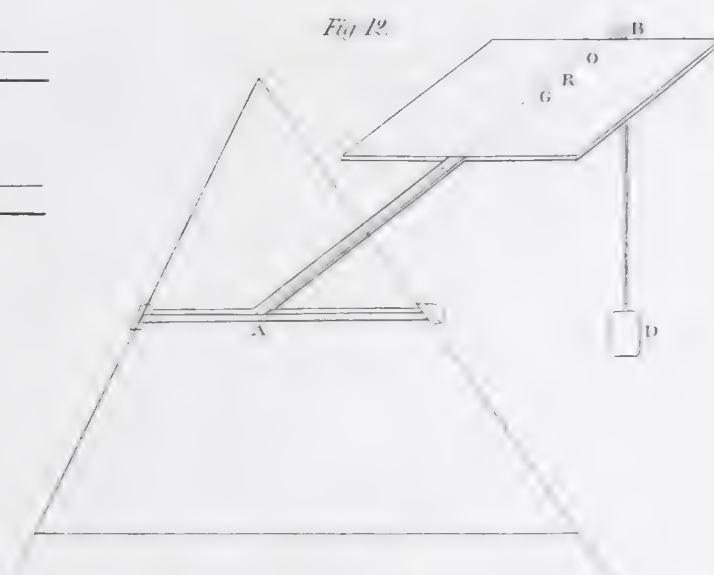
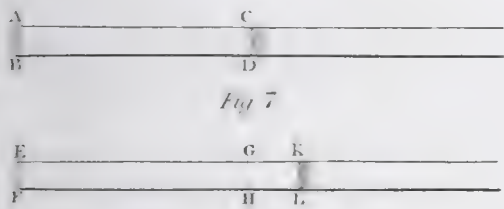
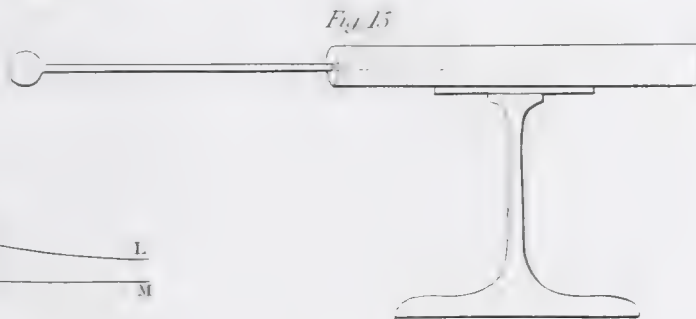
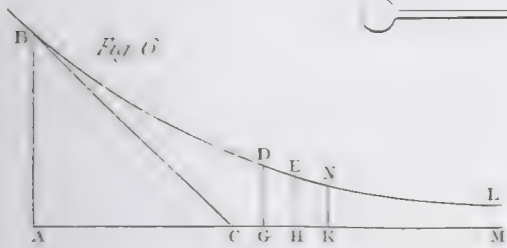
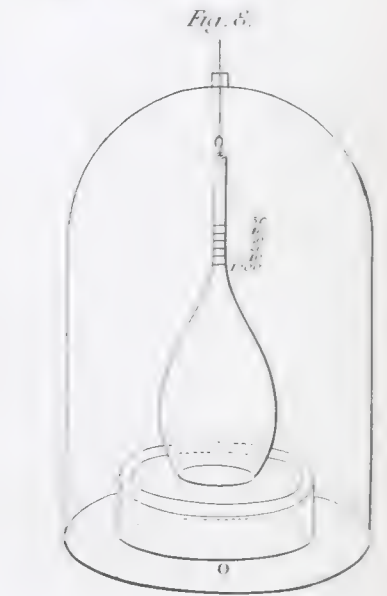
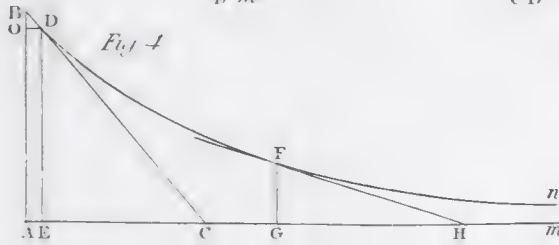
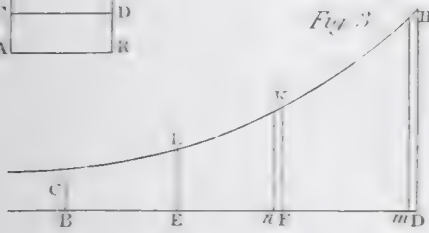
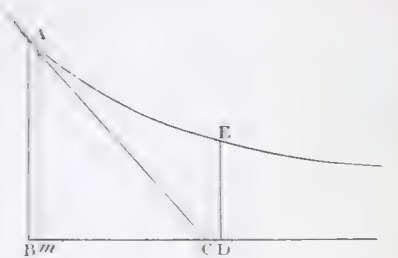
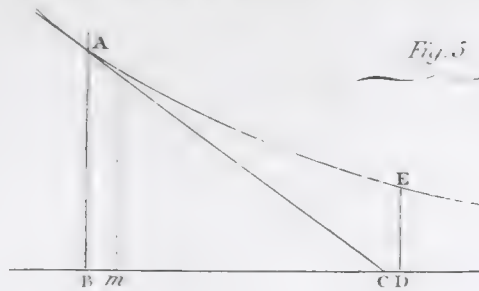
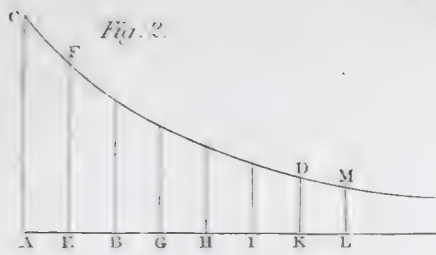


Fig 15.





PNEUMATICS.

PLATE CCCCLXVI.



Fig. 1.

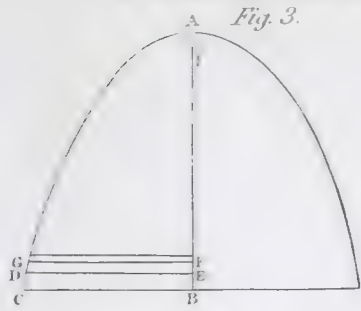


Fig. 3.

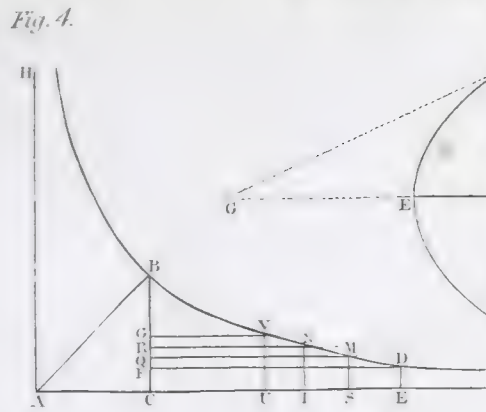


Fig. 4.

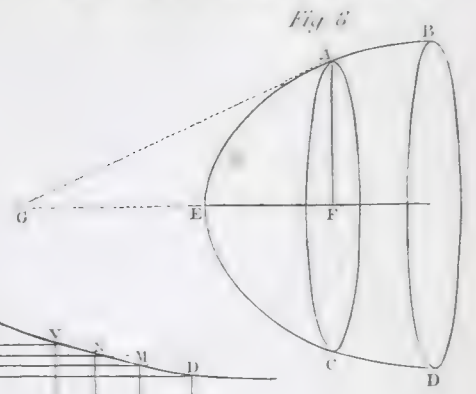


Fig. 6.

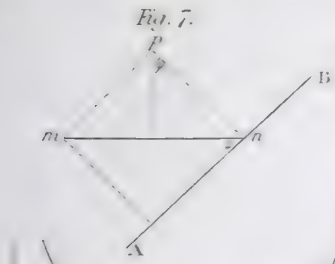


Fig. 7.

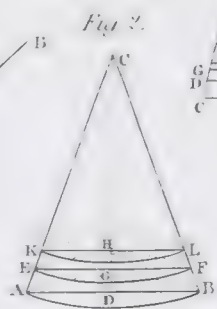


Fig. 8.

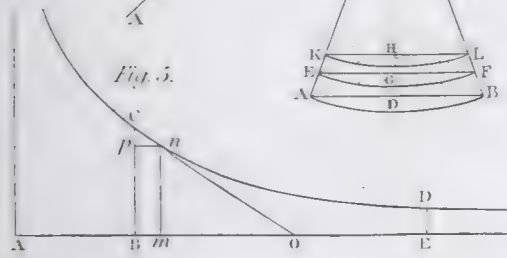


Fig. 5.

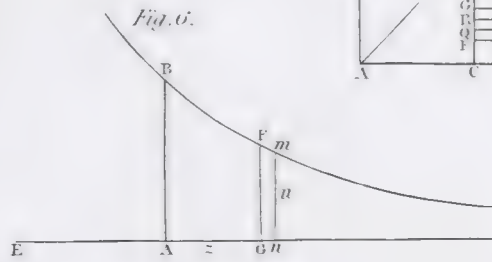


Fig. 6.

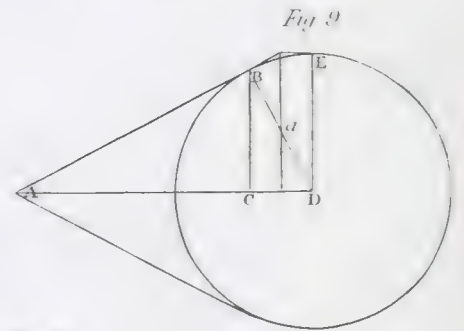


Fig. 9.

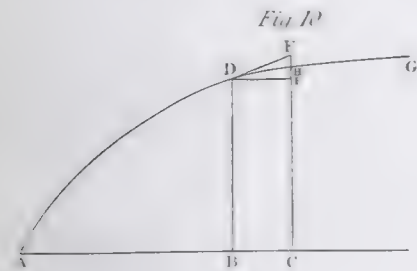


Fig. 10.

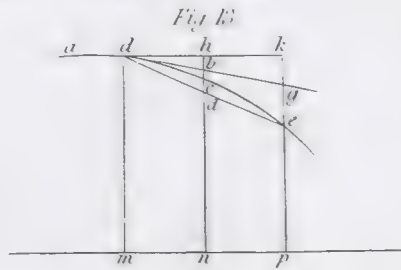


Fig. 13.

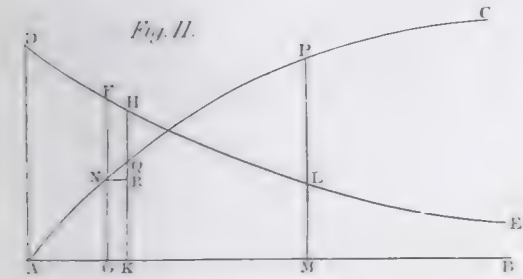


Fig. 11.

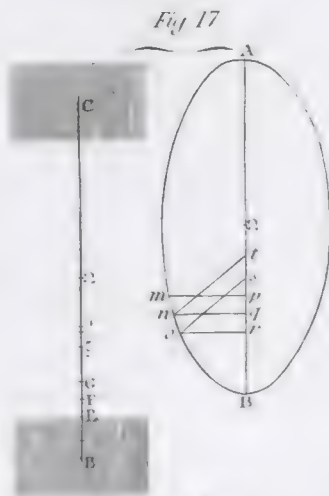


Fig. 17.

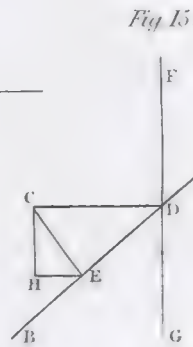


Fig. 15.

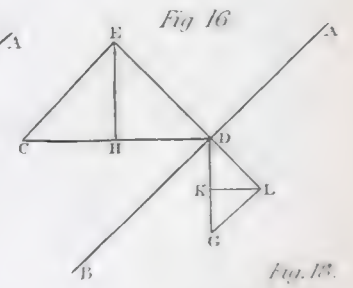


Fig. 16.

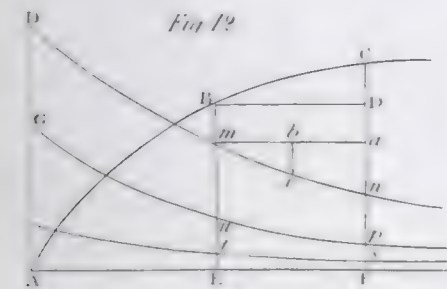


Fig. 12.

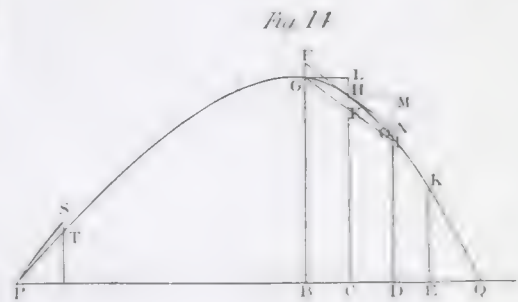


Fig. 14.

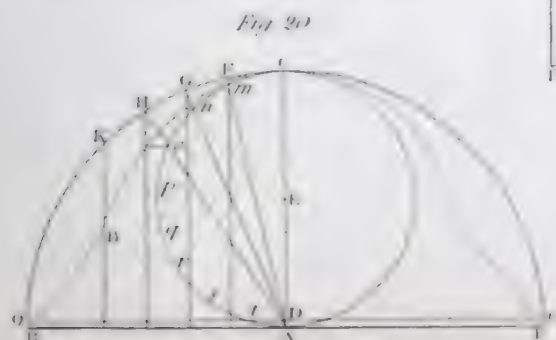


Fig. 20.

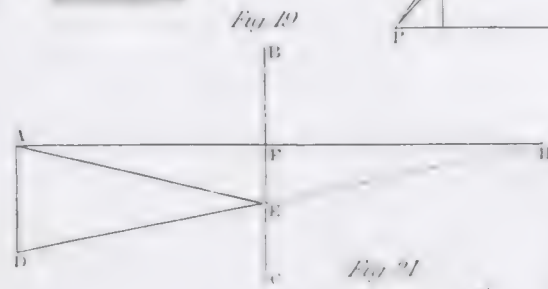


Fig. 19.

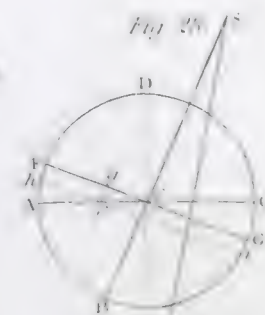


Fig. 21.



Fig. 22.



Fig. 23.



Fig. 18.

PUMP.

PLATE CCCCLXX.

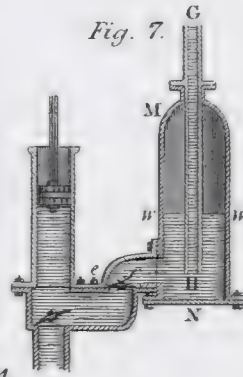
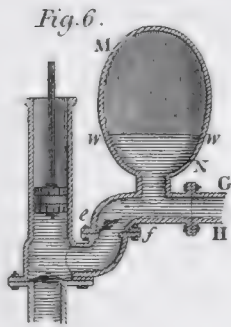
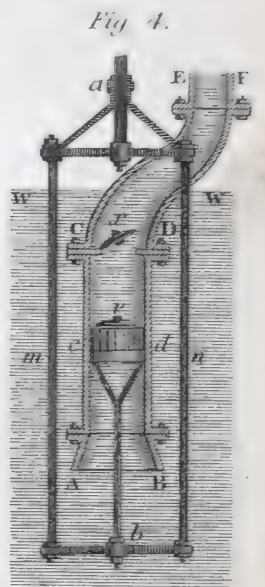
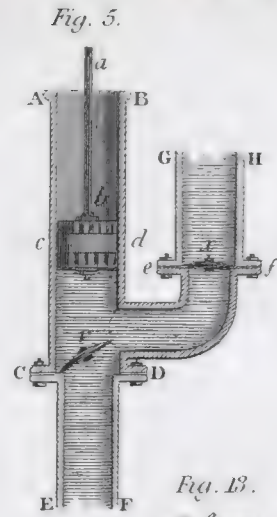
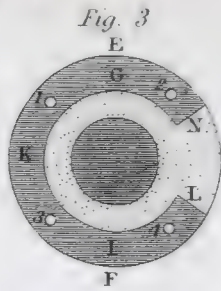
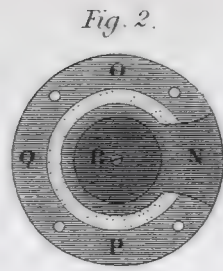
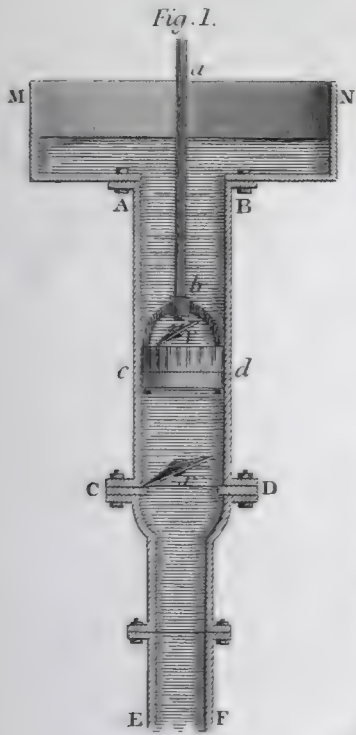


Fig. 16

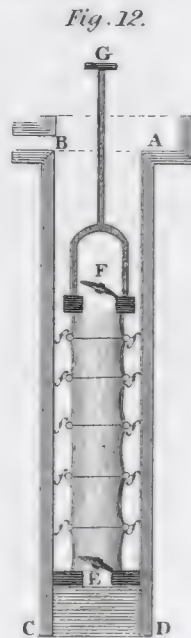
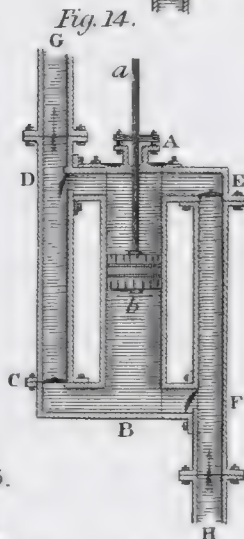
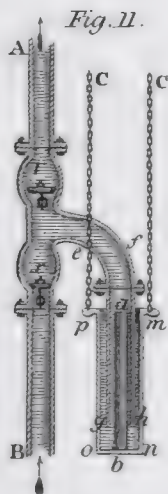
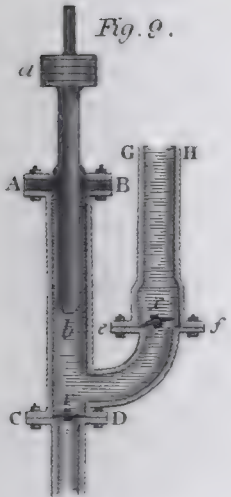
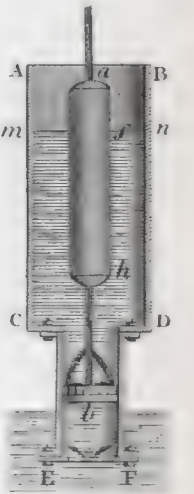
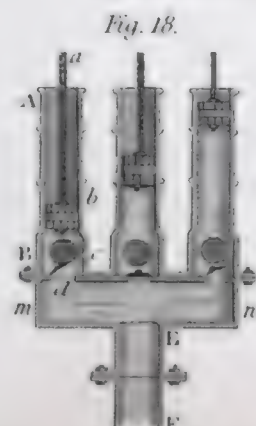
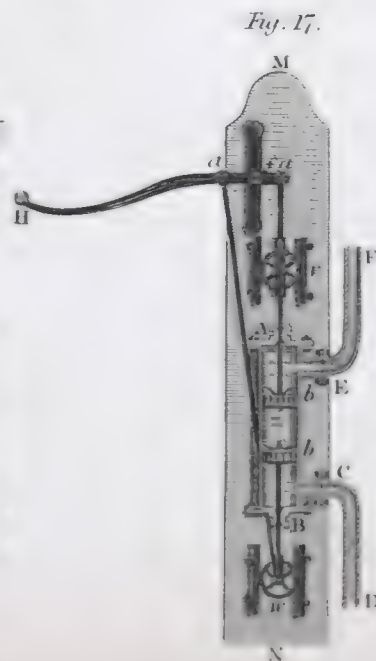
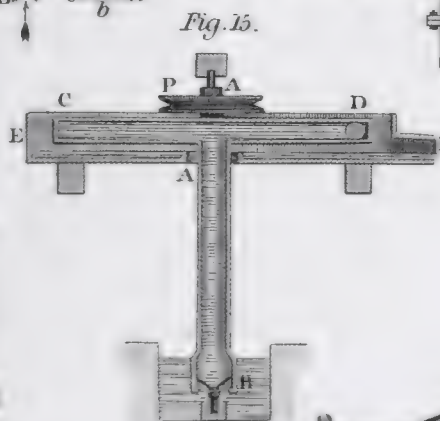
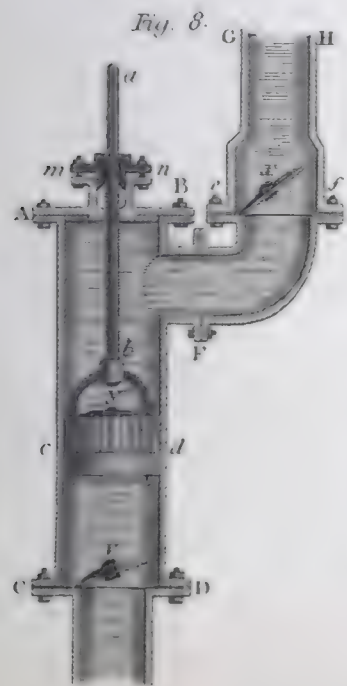
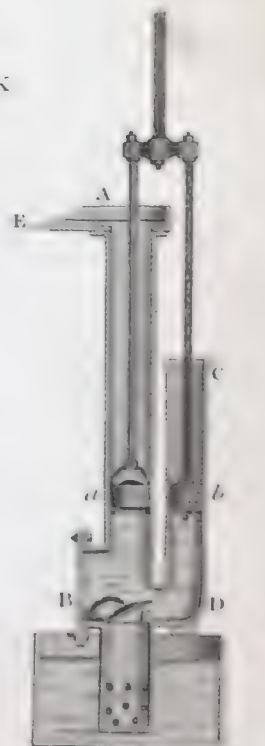


Fig. 19.



Sellers & Pennocks improved Fire Apparatus

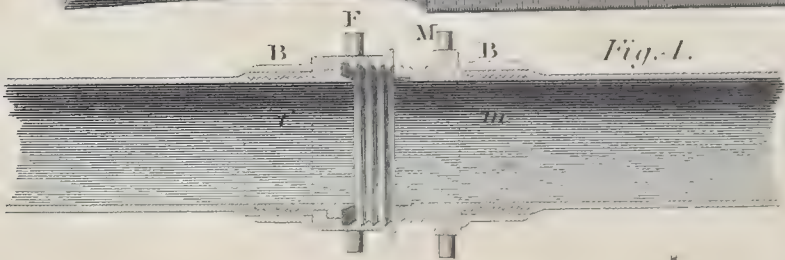
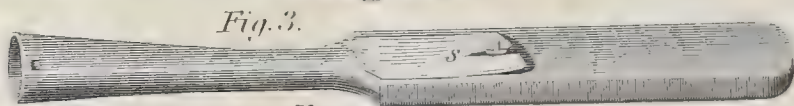


Fig. 5.

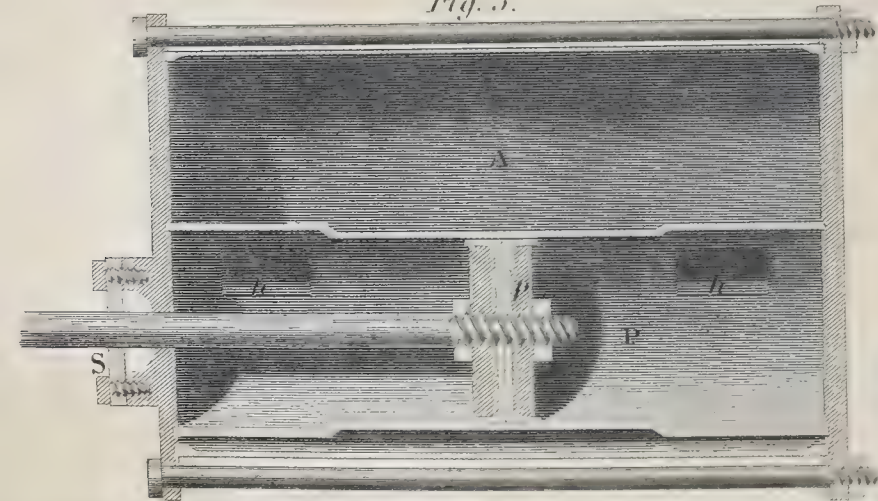


Fig. 6.

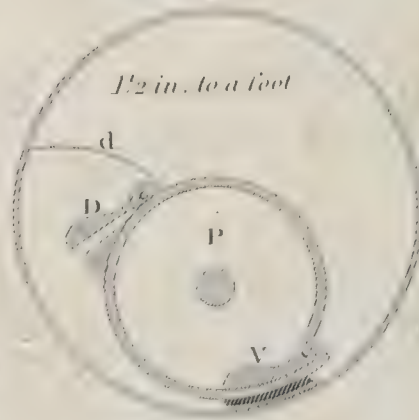


Fig. 7.

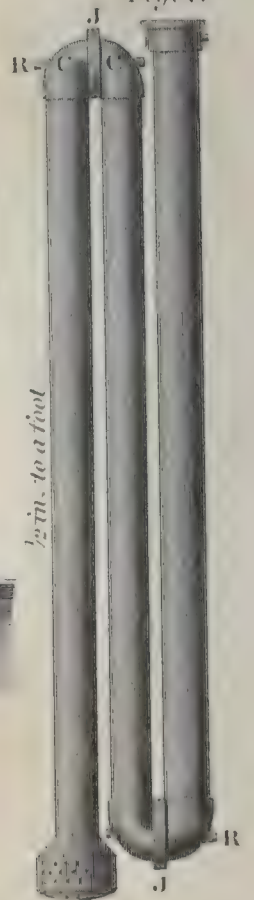
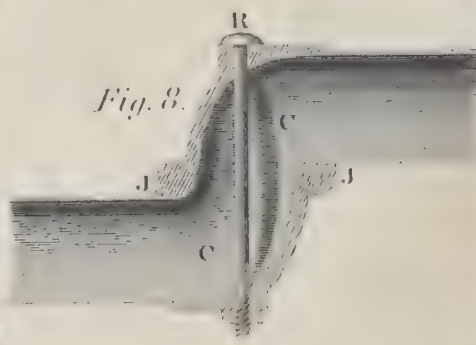


Fig. 8.



PUMP.

Fig. 1.

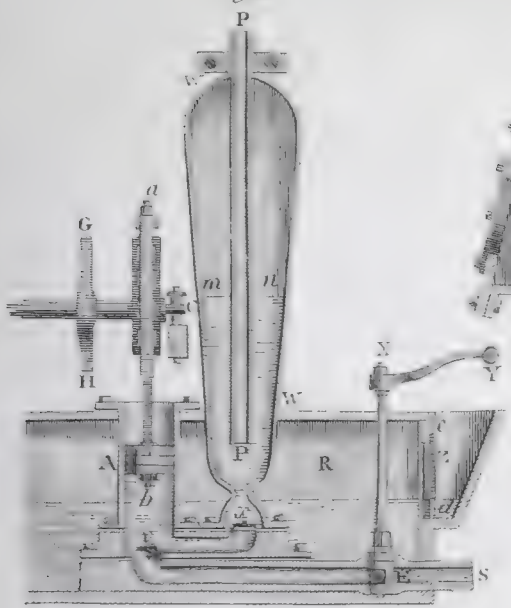


Fig. 3.

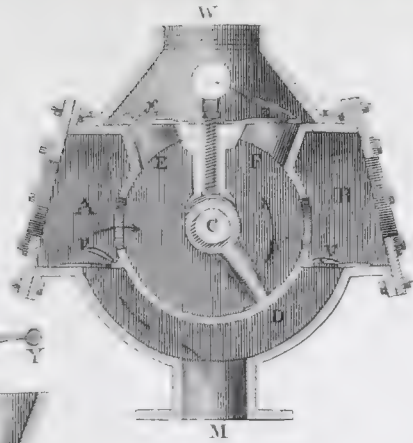


Fig. 4.

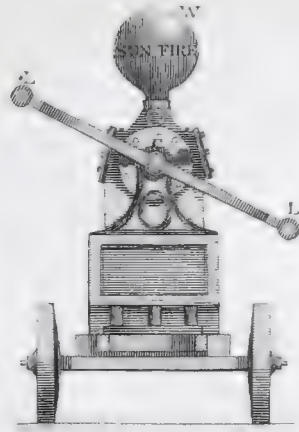


Fig. 5.

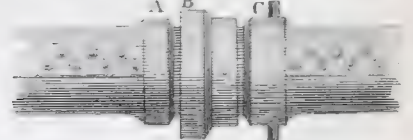


Fig. 6.



Fig. 9.

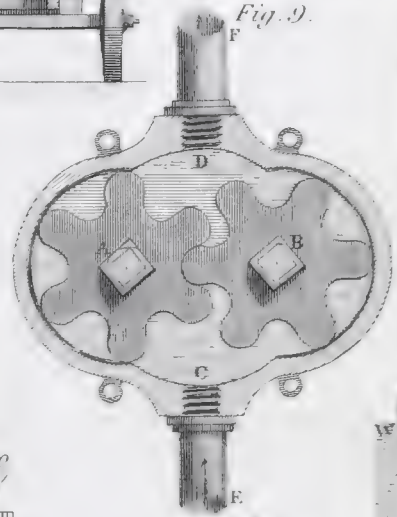


Fig. 7.

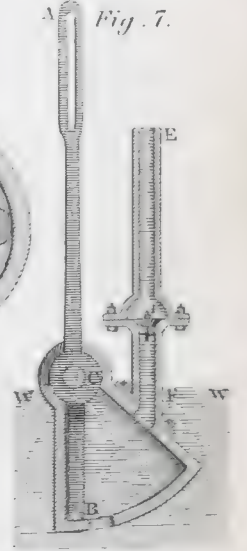


Fig. 2.

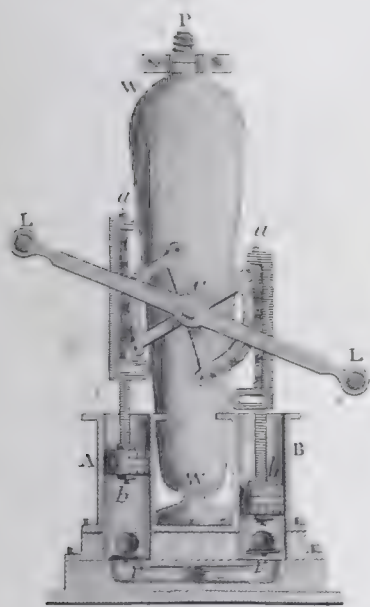


Fig. 11.

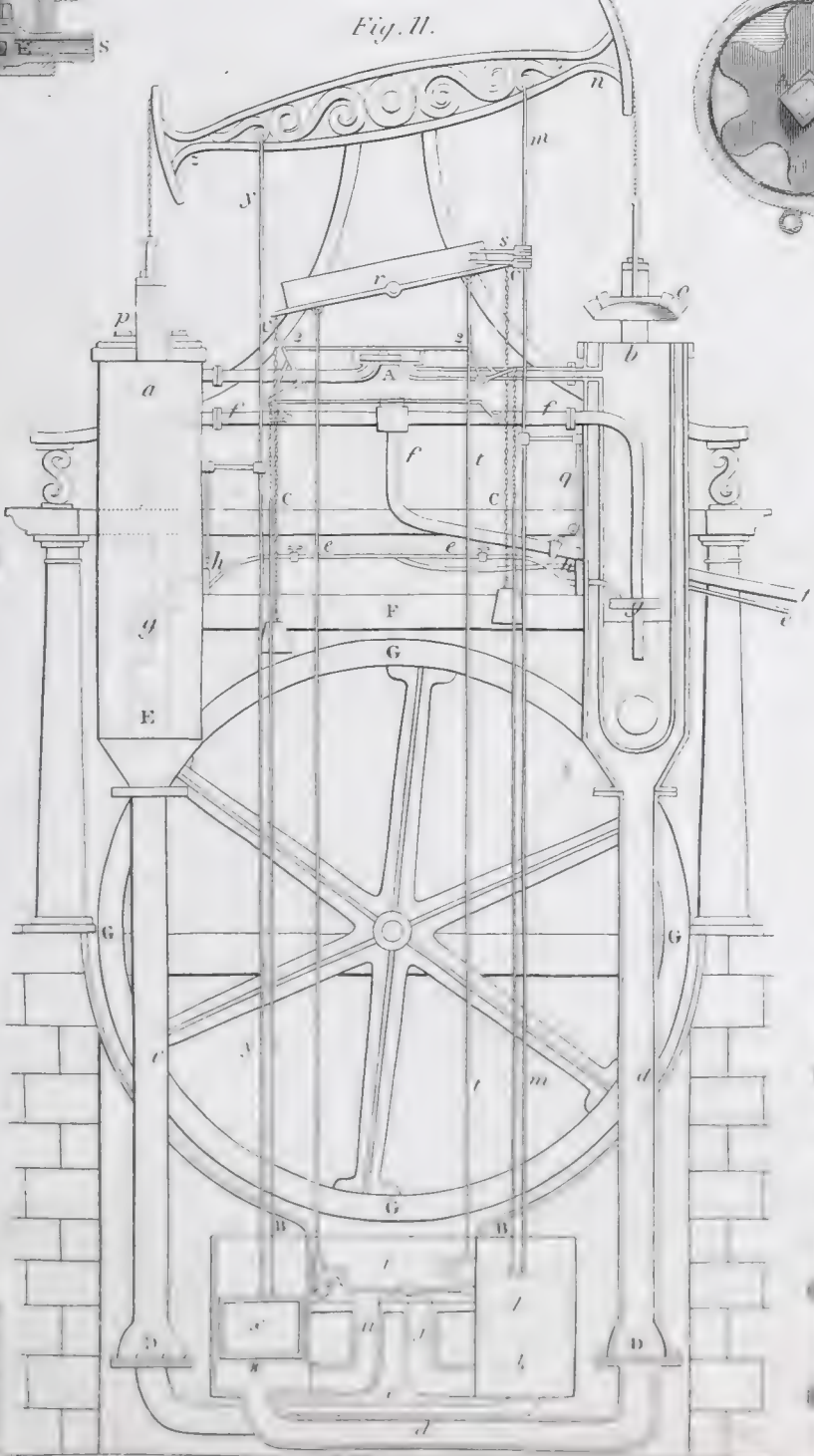


Fig. 10.



Fig. 12.

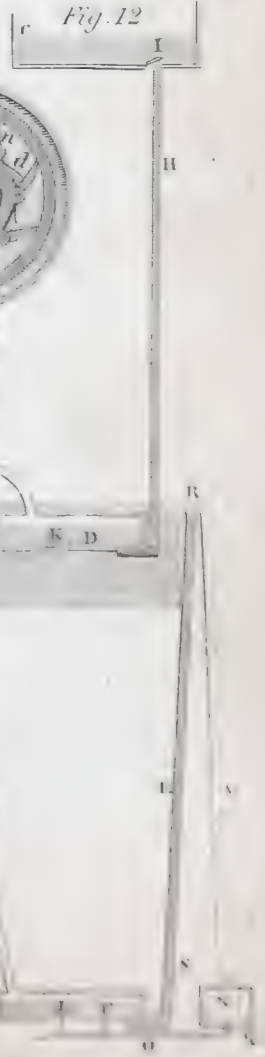


Fig. 8.

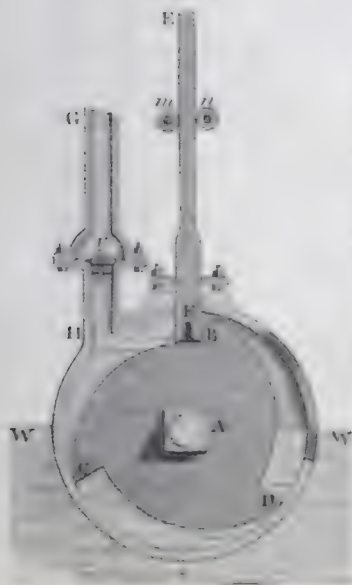


Fig. 13.



Fig. 14.



Fig 1.



Fig 2.



Fig 3.

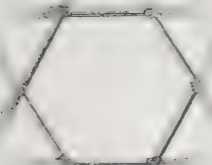


Fig 5.



Fig 4.

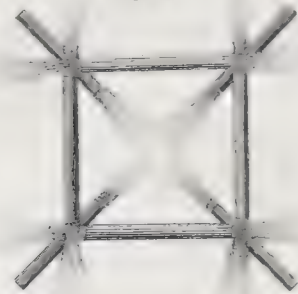


Fig 6.



Fig 7.



Fig 8.



Fig 9.



Fig 10.



Fig 11.



Fig 18.

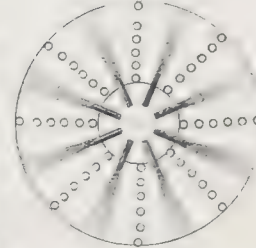


Fig 12.

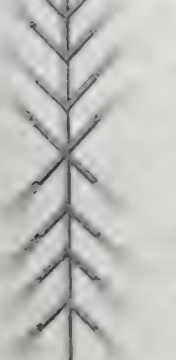


Fig 13.

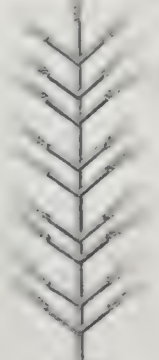


Fig 17.

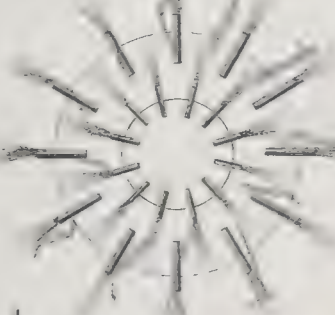


Fig 15.



Fig 16.

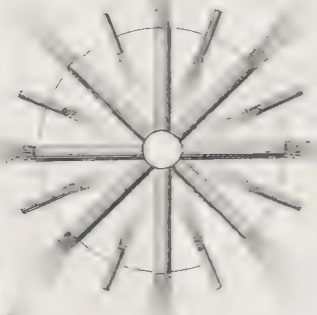


Fig 14.



Fig 19.



Fig 21.



Fig 25.

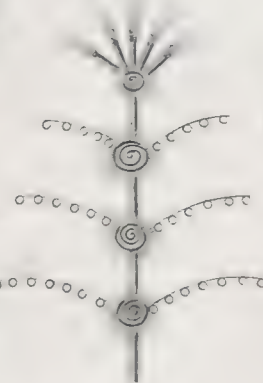


Fig 20.



Fig 29.

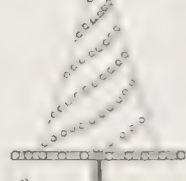


Fig 22.



Fig 23.



Fig 24.



Fig 30.

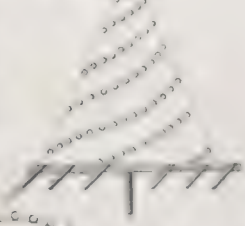


Fig 28.



Fig 27.



Fig 31.



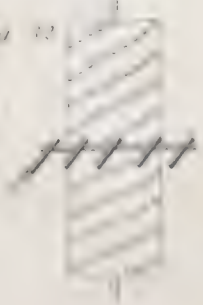
Fig 33.



Fig 36.



Fig 32.



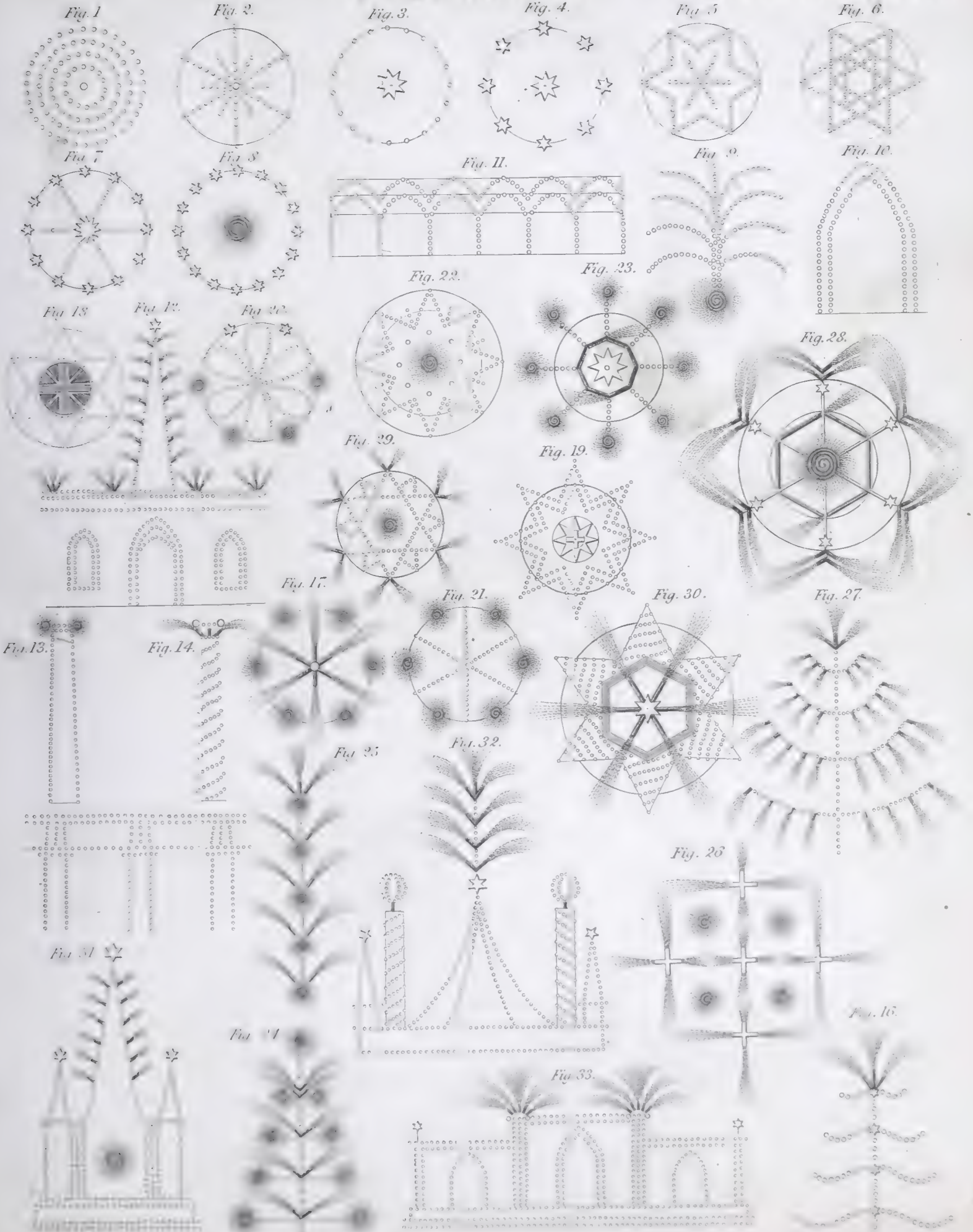


Fig 1.

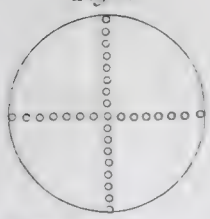


Fig 2.

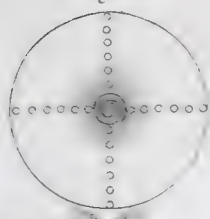


Fig 3.

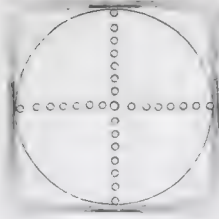


Fig 4.



Fig 5.

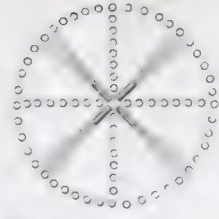


Fig 6.



Fig 7.

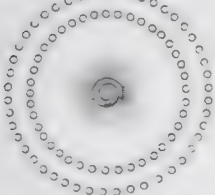


Fig 8.

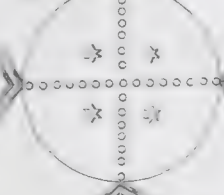


Fig 9.

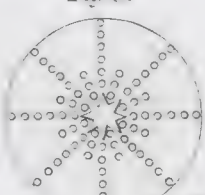


Fig 10.

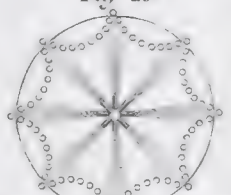


Fig 11.



Fig 12.

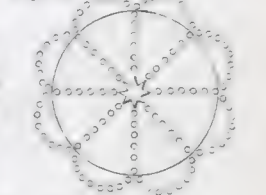


Fig 13.



Fig 14.

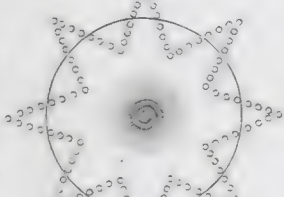


Fig 15.

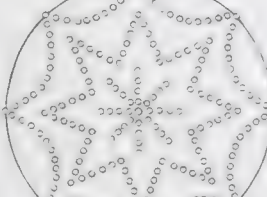


Fig 16.

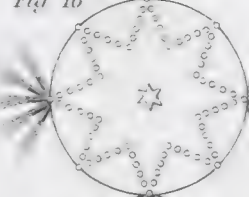


Fig 17.



Fig 18.

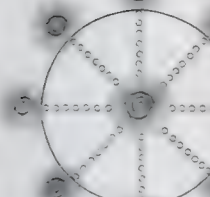


Fig 19.

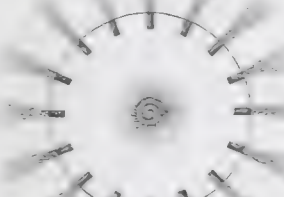


Fig 20.



Fig 28.



Fig 29.

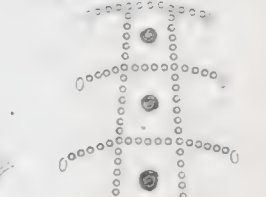


Fig 27.



Fig 30.



Fig 21.



Fig 22.



Fig 30.

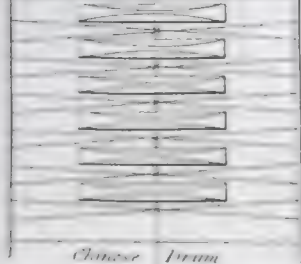


Fig 23.

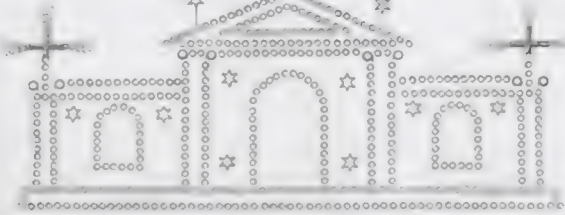


Fig 24.

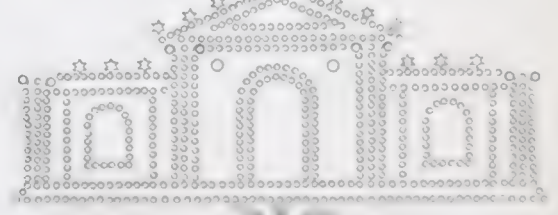
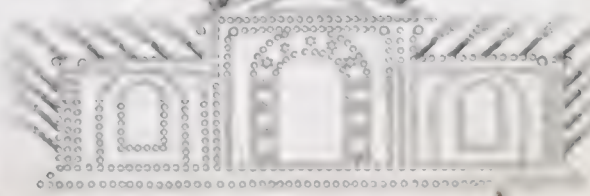


Fig 25.



Fig 26.



Chinese Drum

RAILWAY LOCK.

Fig 7
Perpendicular Section of Lock

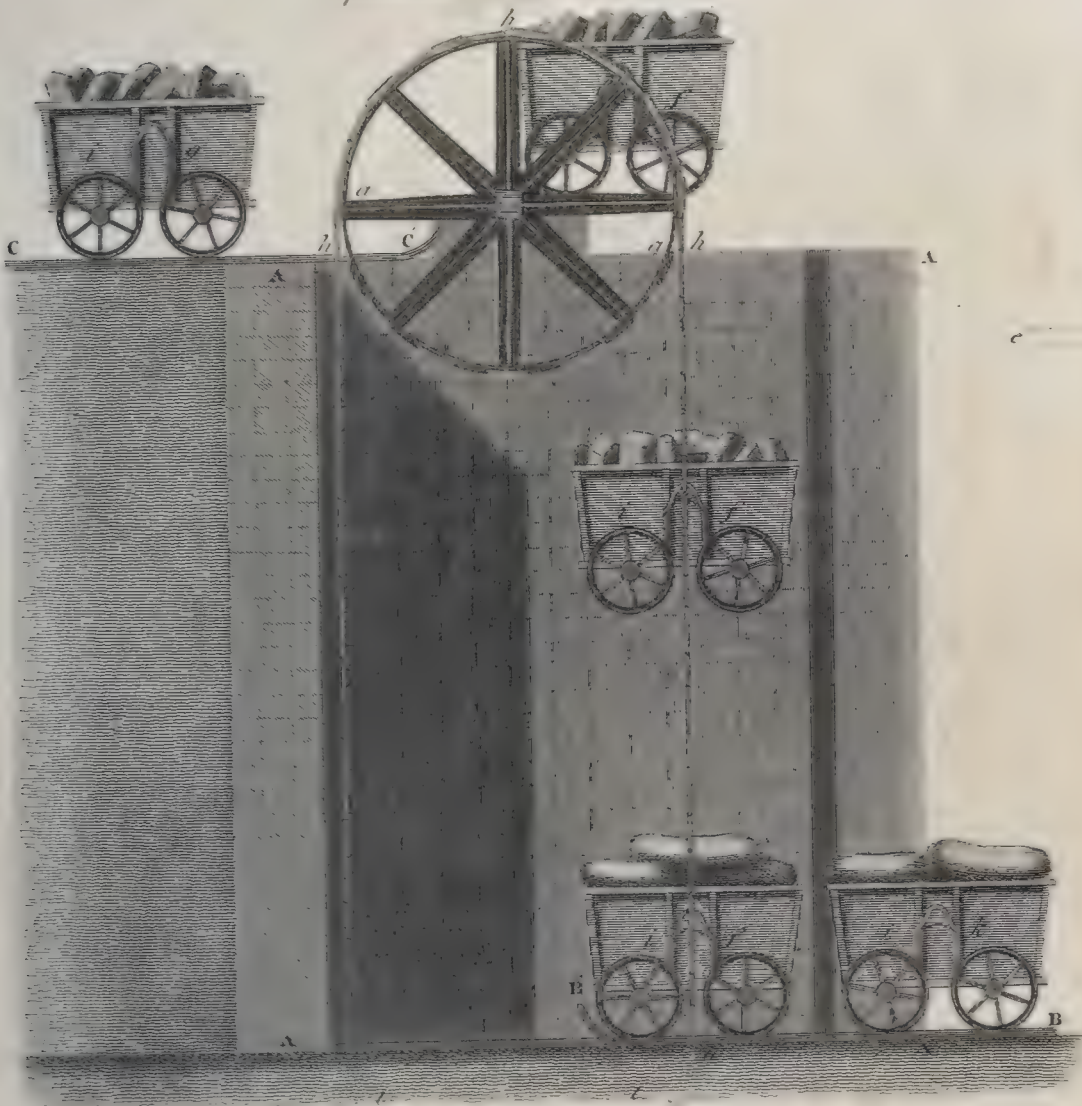


Fig 6 Elevation of Lock

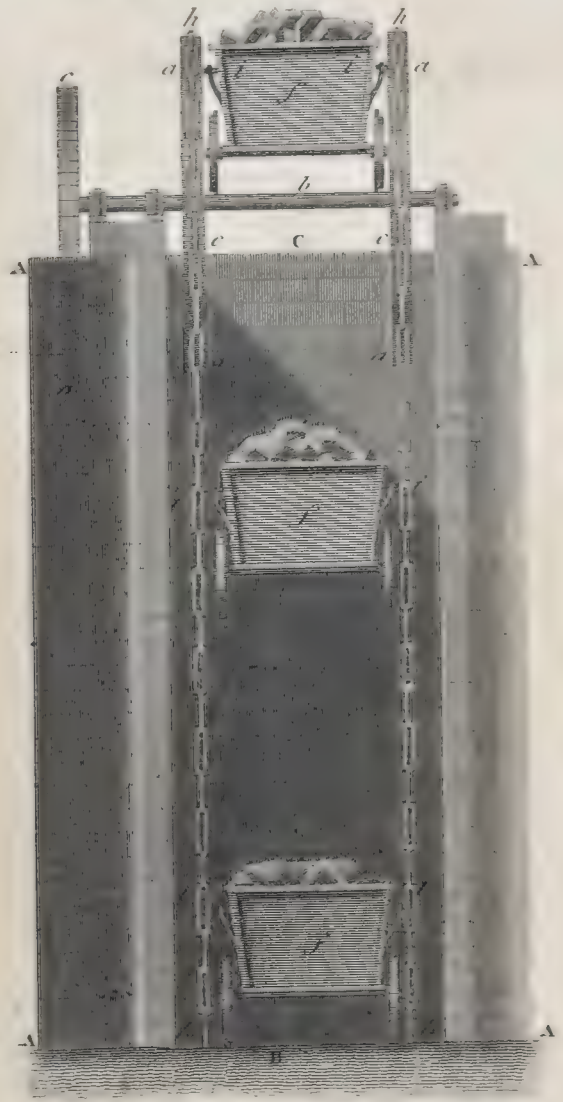


Fig 1 Edge Railway

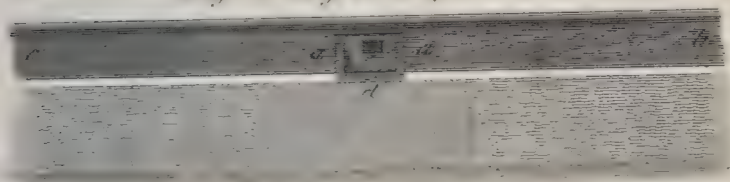


Fig. 3.
Edge Rail Wheel

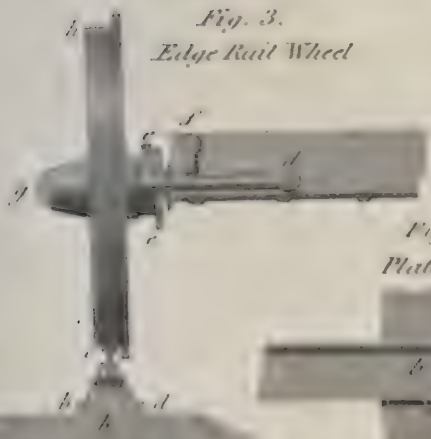


Fig. 2.
Plate Rail Wheel



Fig 1
Plate Rail

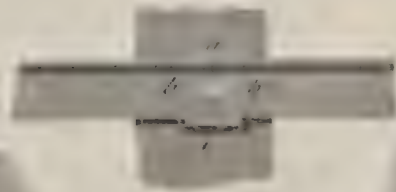
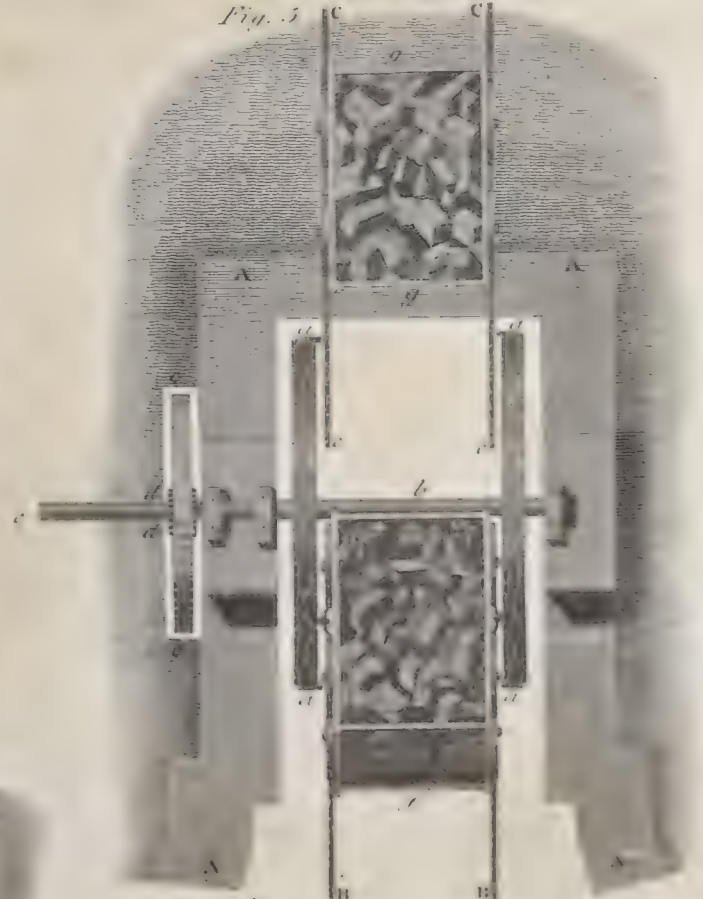


Fig. 5
Plan of Lock



MR STEVENSON'S DESIGN for a SMOOTH and DURABLE CITY ROAD

Fig. 2 Section



Fig. 1. Plan of the Road

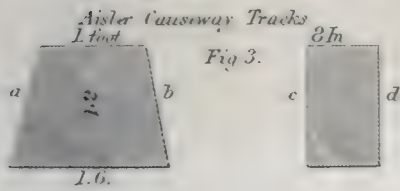
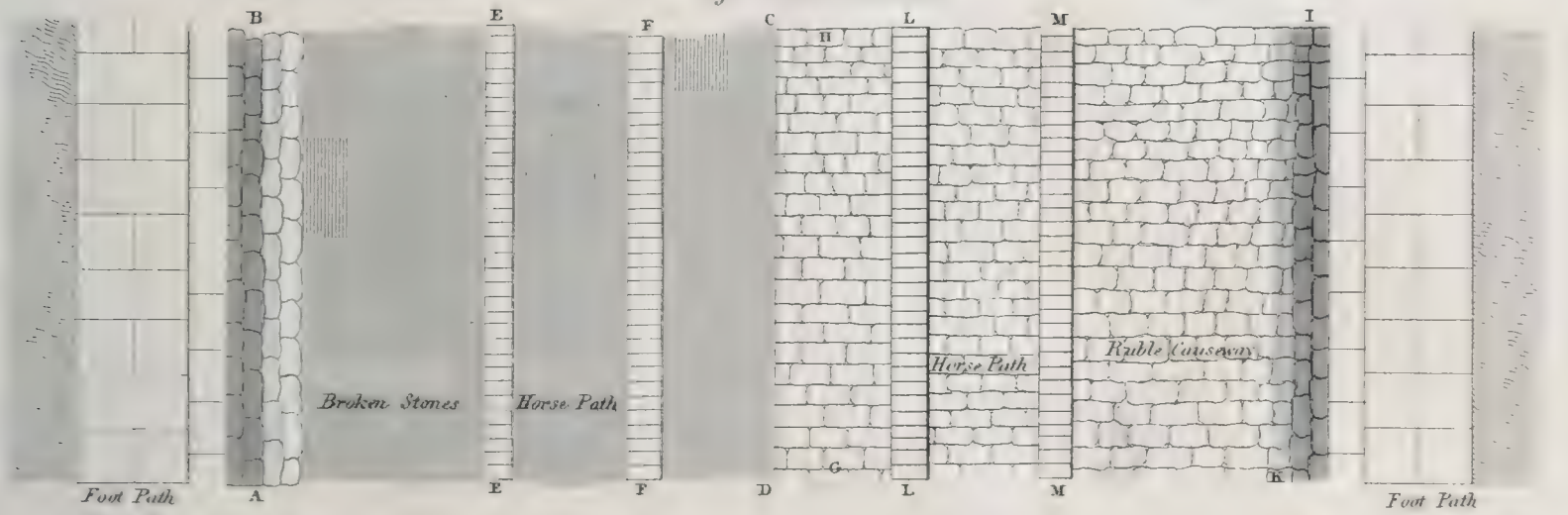
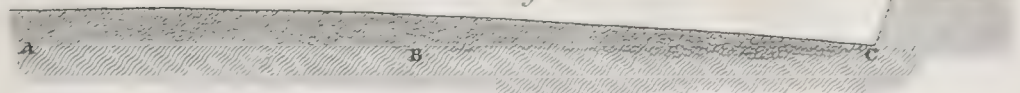


Fig. 3.

Cross Section of a Common Road.

Fig. 4.



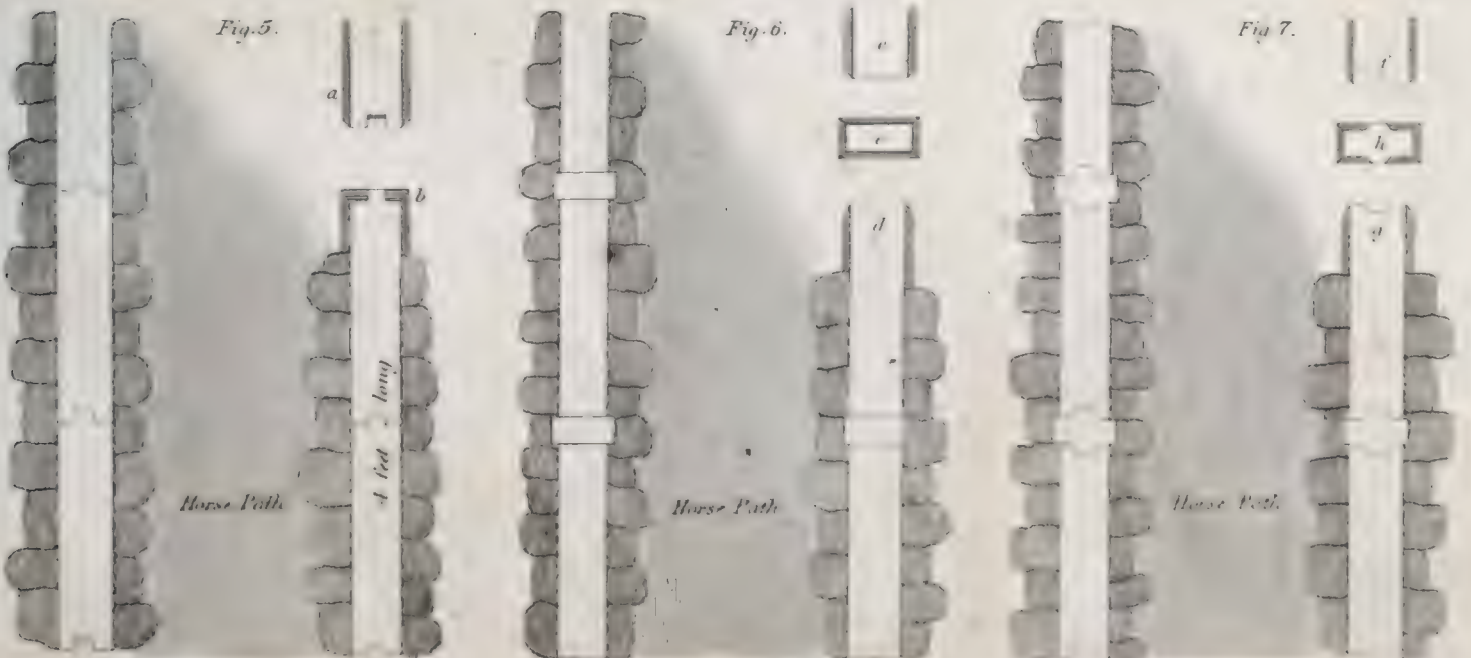
MR H MATHEWS' DESIGNS for a STONE RAILWAY.

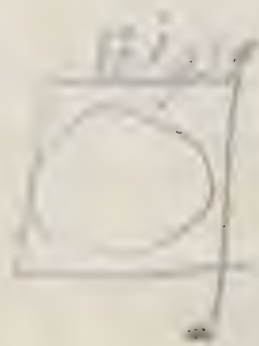


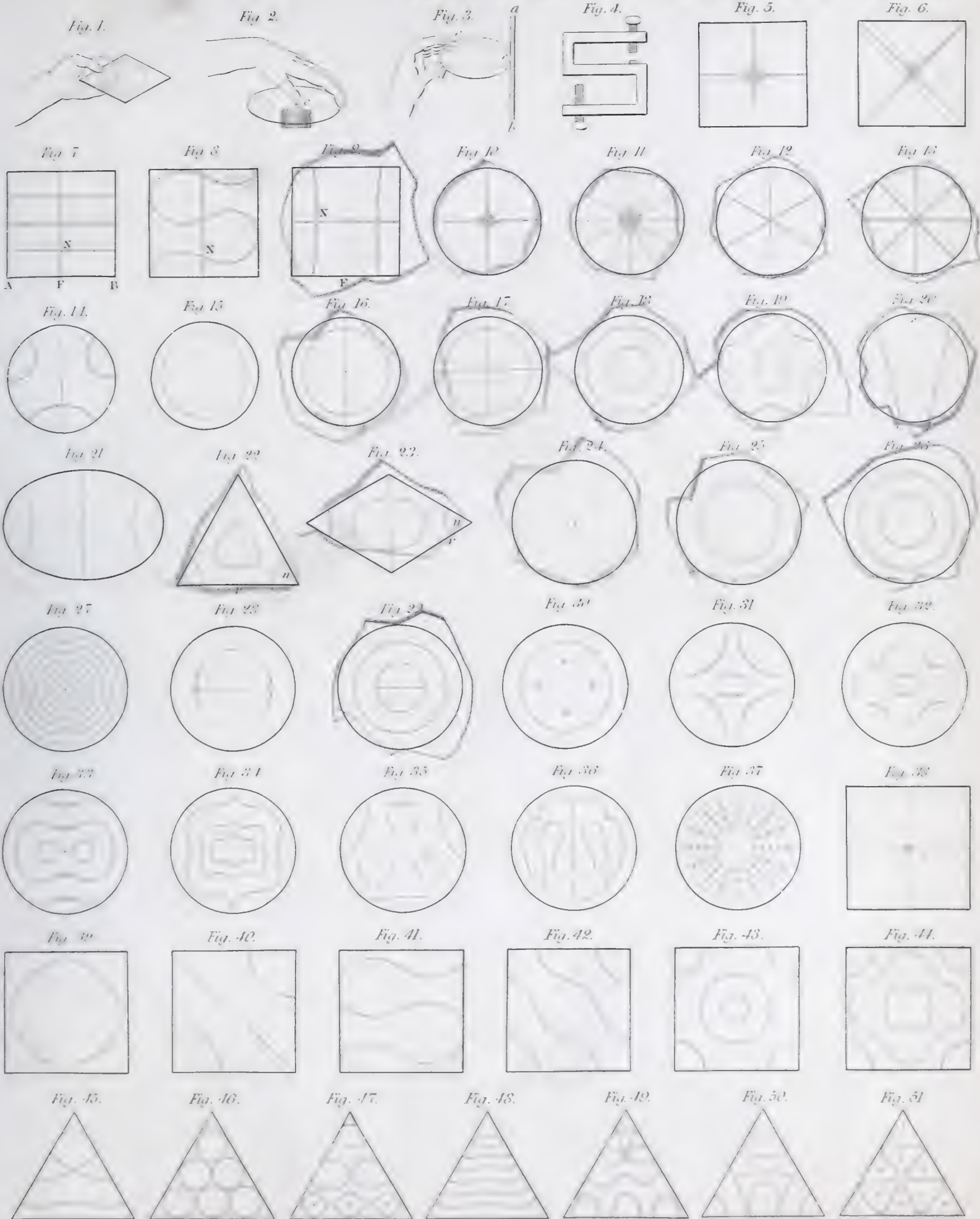
Fig. 5.

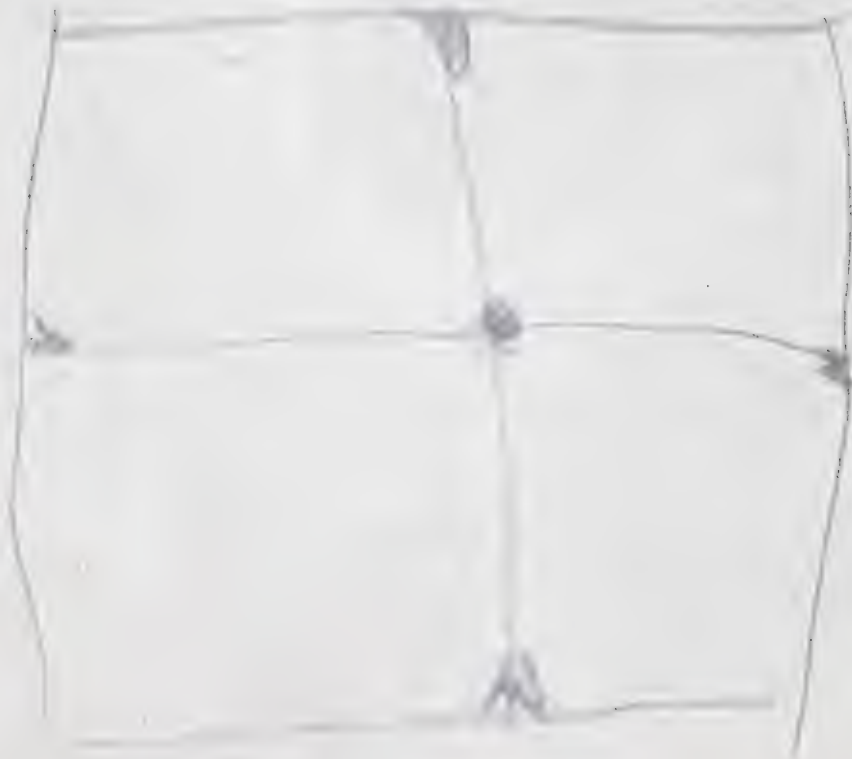
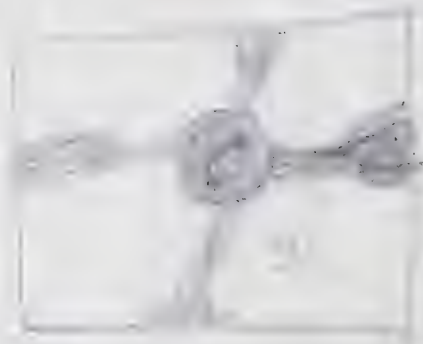
Fig. 6.

Fig. 7.









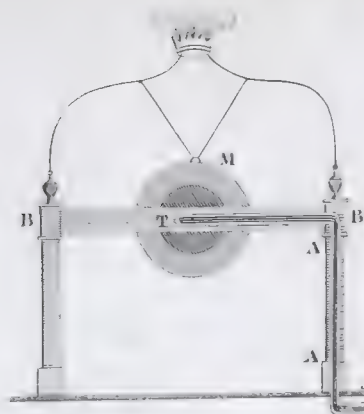
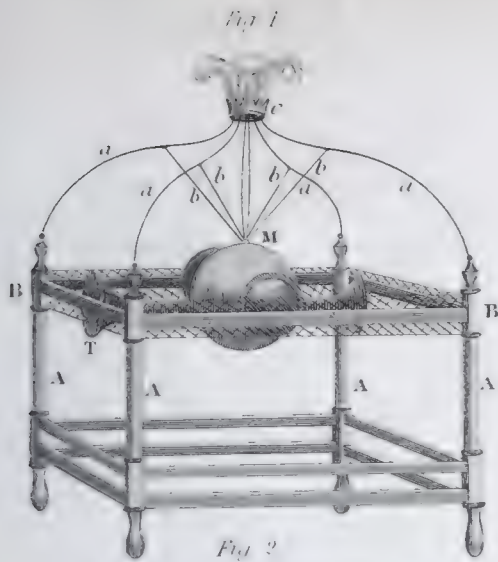


Fig. 3.

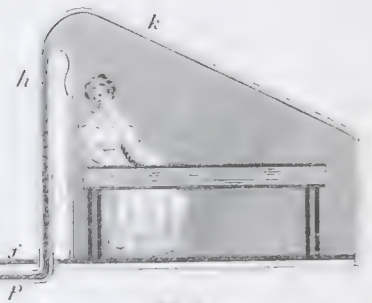


Fig. 5. N° 1.

UNION MAGIC SQUARE
N° 2. Squares of 8.

N° 3.

1	63	22	14	5	59	18	48
56	10	36	29	52	14	39	25
13	21	61	2	47	17	62	6
34	26	9	56	25	12	18	31
3	61	24	18	7	37	20	46
51	12	33	37	53	16	37	27
41	23	62	1	45	19	53	8
32	31	11	53	23	38	15	34

31	2	61	13	55	6	60	9
12	22	35	18	44	25	39	24
1	32	14	63	5	56	14	59
32	47	17	36	26	43	21	40
42	4	62	13	36	8	58	11
46	34	55	22	42	27	37	24
3	52	16	61	7	54	12	57
32	45	19	54	26	41	23	33

40	19	10	56	41	23	14	52
26	40	61	3	30	36	37	7
55	2	20	16	31	25	24	12
4	62	30	25	8	53	35	29
47	17	12	34	12	21	16	50
23	33	62	4	32	34	22	5
53	11	12	42	12	13	22	41
2	64	37	27	6	62	32	32

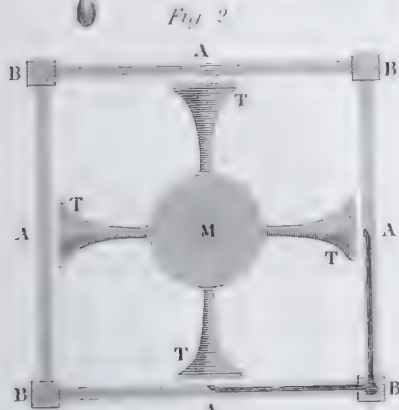


Fig. 2.

N° 1.

Squares of 12.

N° 2.

1	113	62	64	12	131	50	96	25	119	33	108
131	12	73	71	122	21	85	59	112	36	97	47
33	61	141	2	92	19	132	11	107	27	122	26
72	74	11	133	82	36	23	121	48	28	36	100
3	141	64	82	75	122	32	94	27	117	43	106
126	16	75	69	124	22	87	37	112	34	90	45
81	63	112	1	25	34	130	16	105	39	113	28
70	76	9	125	38	33	21	123	16	100	35	111
5	122	66	80	17	127	34	92	29	115	42	104
136	2	77	67	126	24	89	35	114	32	101	43
70	65	110	6	21	53	122	12	103	41	116	30
62	78	7	137	56	20	19	125	44	102	31	112

Fig. 6.

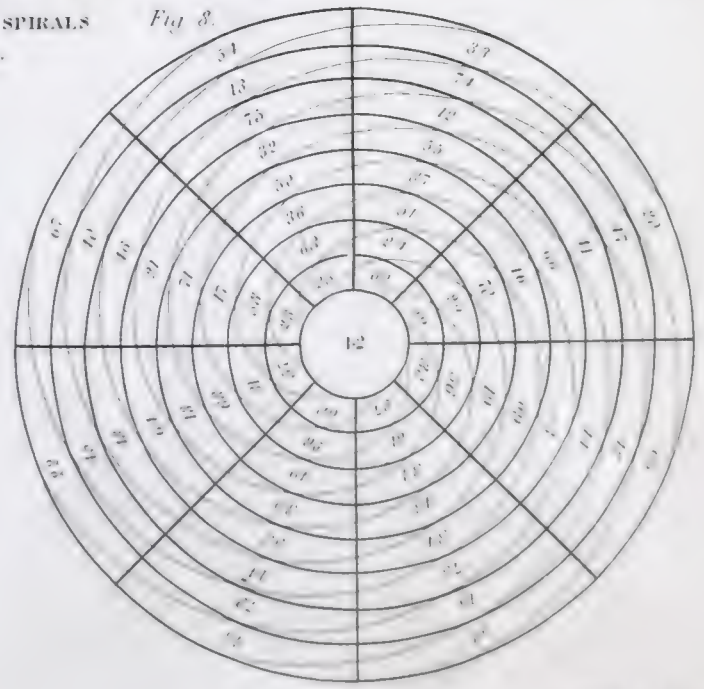
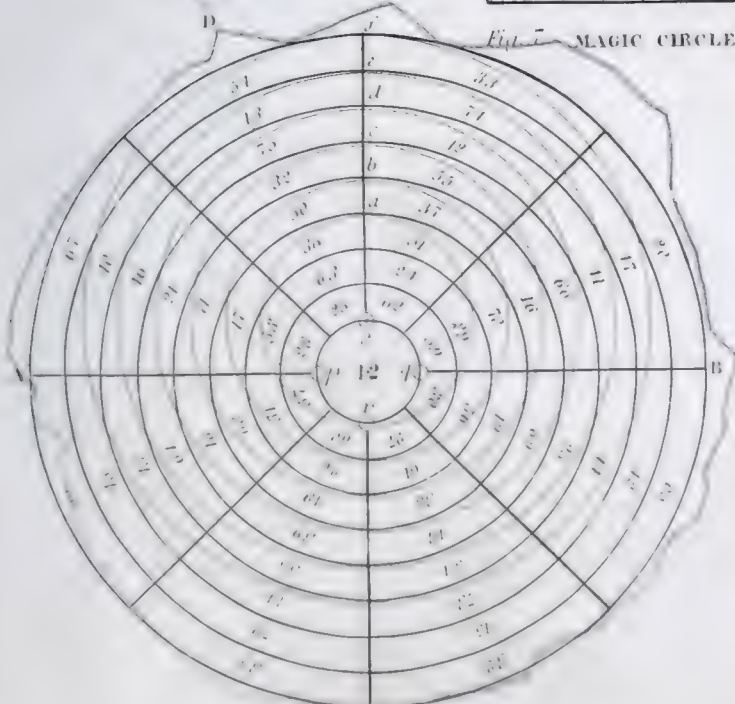
2	144	23	124	4	142	21	123	8	110	12	125
95	12	74	72	22	31	76	72	21	30	73	68
122	24	124	7	124	22	141	3	125	22	122	5
71	73	52	26	62	75	52	24	67	77	34	24
3	133	29	115	10	136	27	117	12	134	24	110
101	13	30	63	29	45	32	61	27	47	34	62
116	30	137	7	113	28	135	2	122	26	133	11
65	70	44	102	63	81	16	100	61	32	14	22
14	132	35	102	16	130	33	111	18	122	31	112
127	37	86	82	123	30	86	58	123	11	90	16
110	36	131	13	102	34	129	15	114	32	127	17
59	35	38	128	37	37	10	106	55	39	42	104

6	1	2				
E	11	24	7	20	3	F
16	4	12	22	8	16	1
C	17	2	13	21	9	B
21	10	15	1	14	22	10
G	22	3	19	20	10	H
21	20					
D	25					

Fig. 4.

Fig. 7. MAGIC CIRCLES AND SPIRALS

Fig. 8.



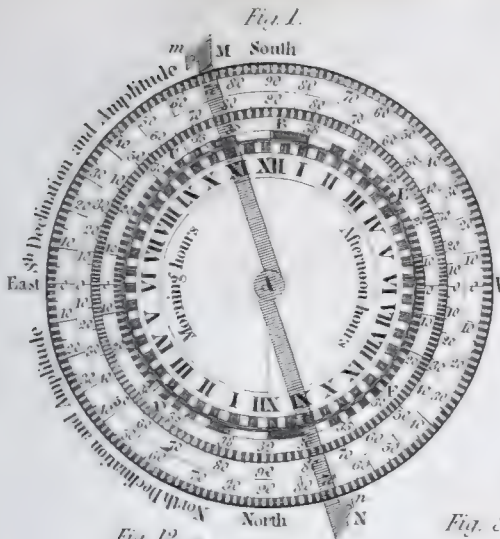


Fig. 1.

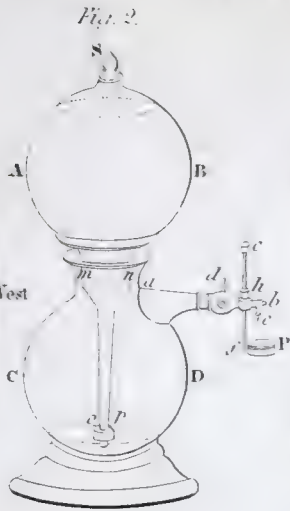


Fig. 2.

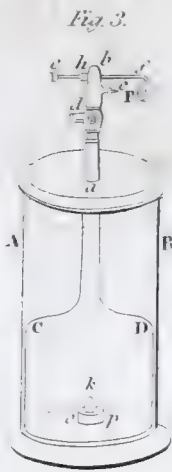


Fig. 3.

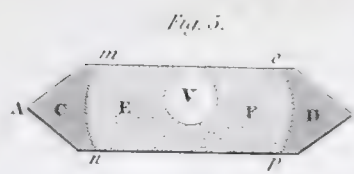


Fig. 4.

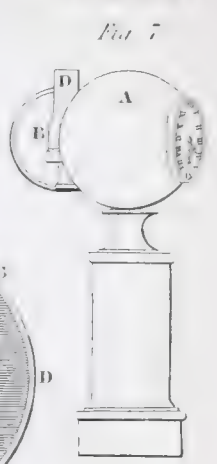


Fig. 5.



Fig. 6.

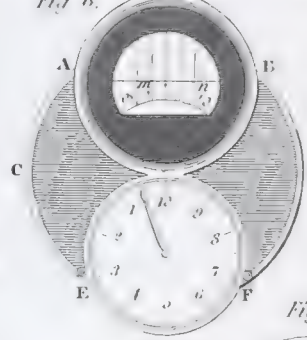


Fig. 7.

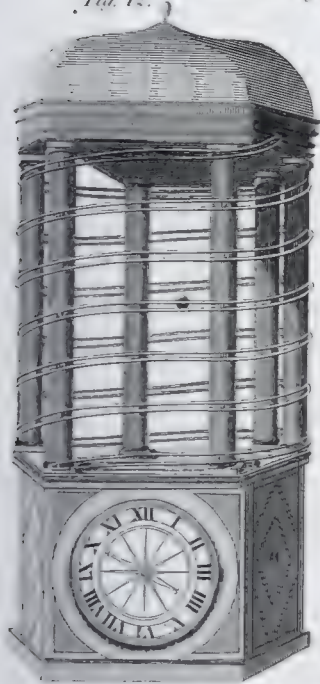


Fig. 8.

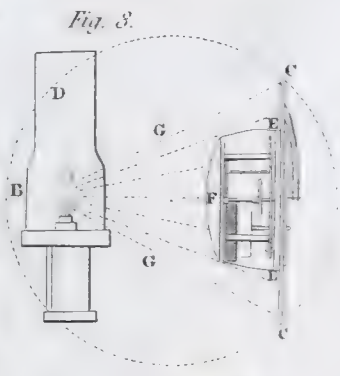


Fig. 9.

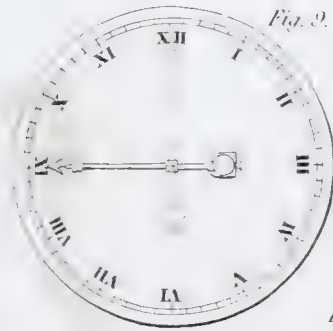


Fig. 10.

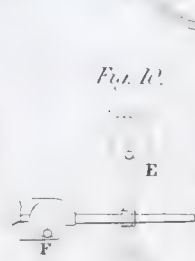


Fig. 11.

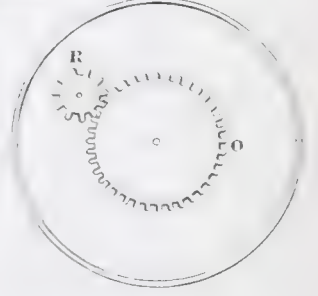


Fig. 12.

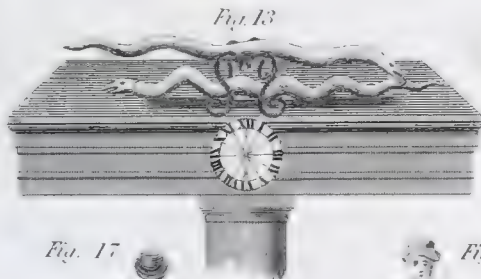


Fig. 13.

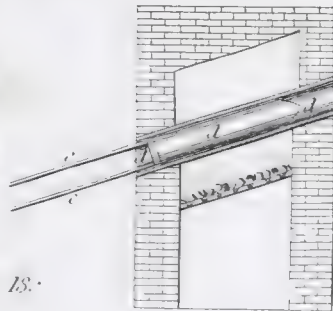


Fig. 14.

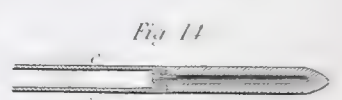


Fig. 15.

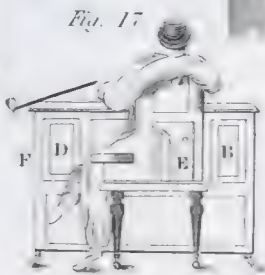


Fig. 16.

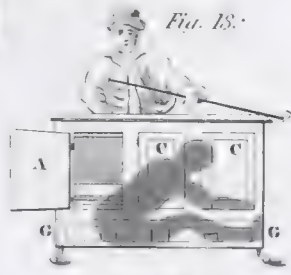


Fig. 17.



Fig. 18.

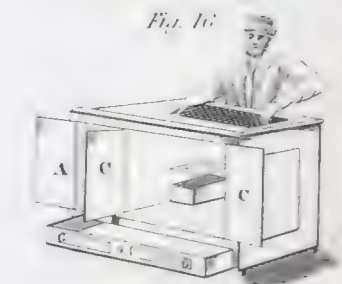


Fig. 19.

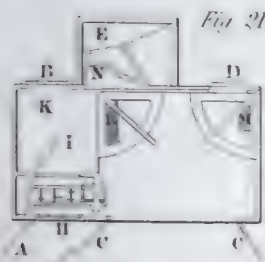


Fig. 20.



Fig. 21.



Fig. 22.



Fig. 23.

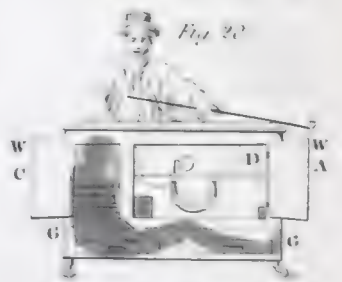


Fig. 24.

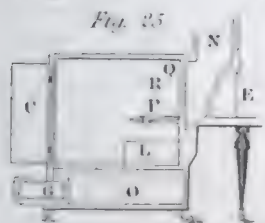


Fig. 25.

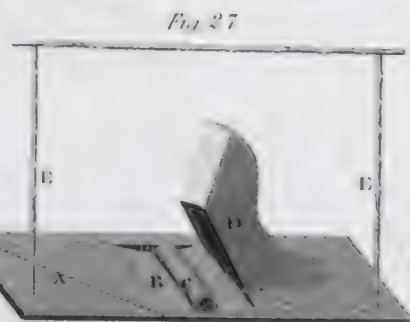


Fig. 26.



Fig. 27.



Fig. 28.

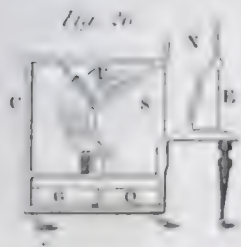


Fig. 29.



Fig. 2.

Fig. 4.

Fig. 1.

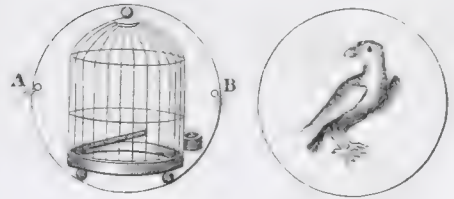
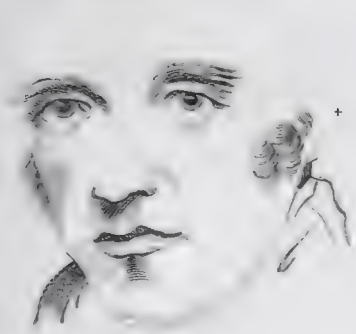


Fig. 6.

Fig. 7.

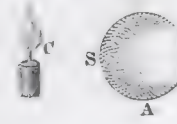


Fig. 8.

Fig. 9.

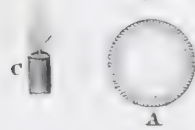


Fig. 10.

Fig. 11.

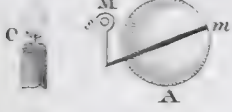


Fig. 16.

Fig. 12.

Fig. 13.

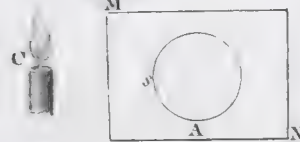


Fig. 15.

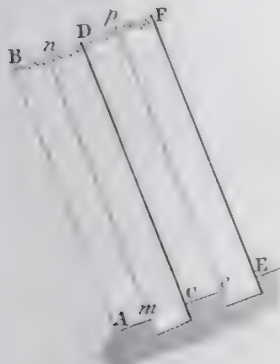


Fig. 17.

Fig. 18.

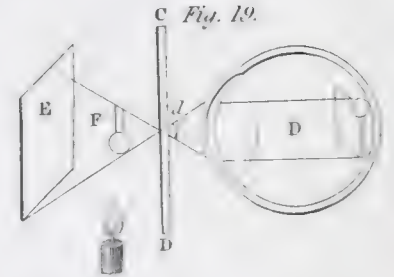
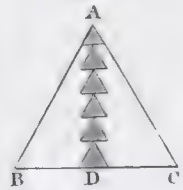


Fig. 19.

Fig. 20.



Fig. 25.

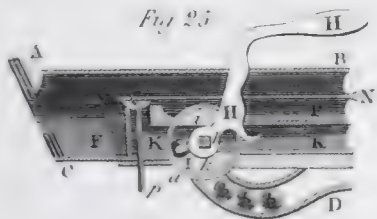


Fig. 23.

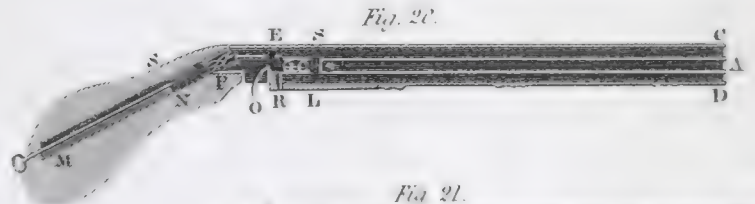
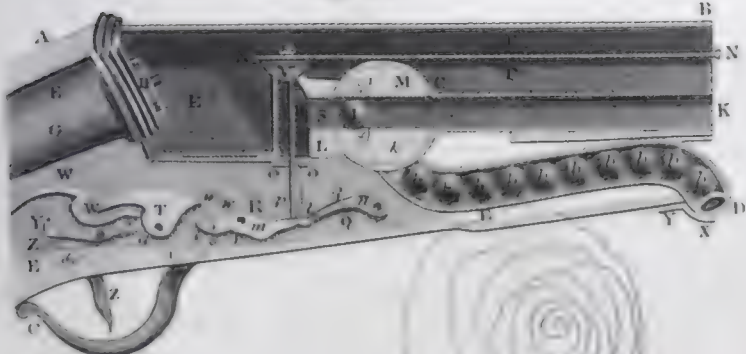


Fig. 22.

Fig. 21.



Fig. 24.

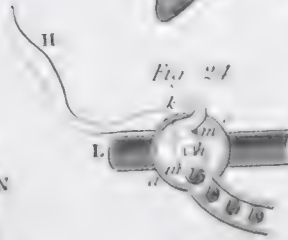


Fig. 26.



Fig. 27.

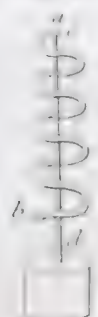


Fig. 28.

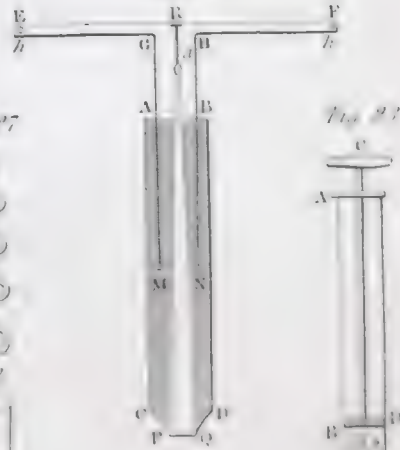


Fig. 29.



Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.

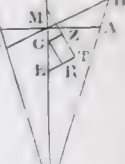
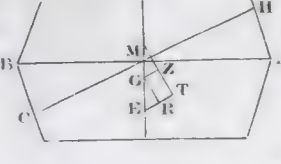
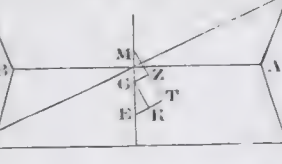
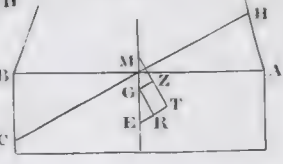
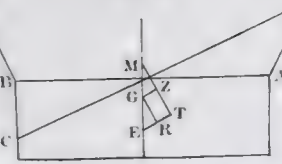
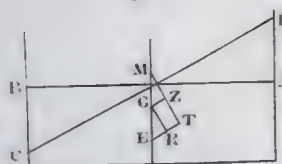


Fig. 7.

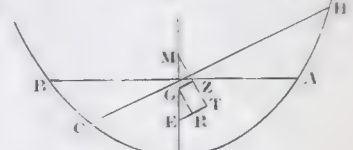
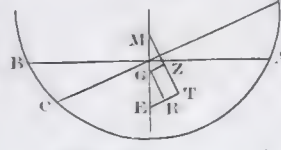
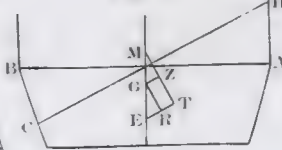
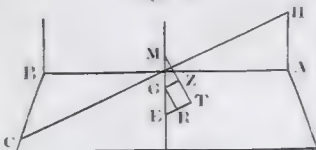
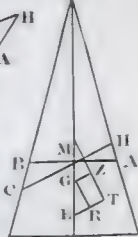
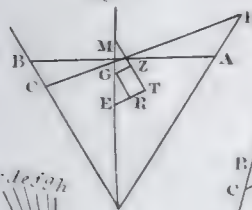
Fig. 8.

Fig. 9.

Fig. 10.

Fig. 11.

Fig. 12.



cdetoh

Fig. 17.

Fig. 11.

Fig. 15.

Fig. 16.

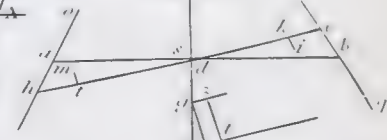
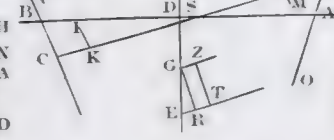
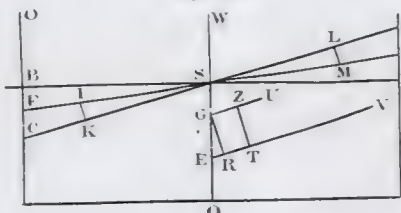
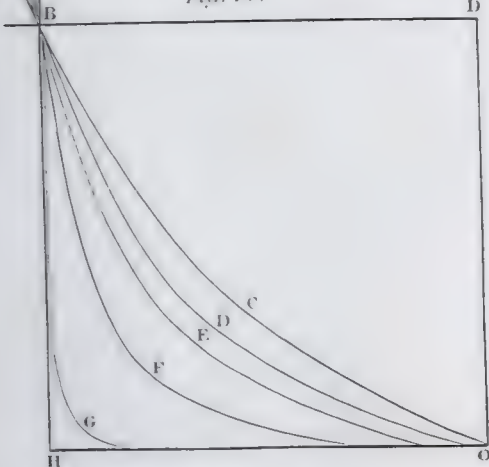


Fig. 18.

Fig. 20.

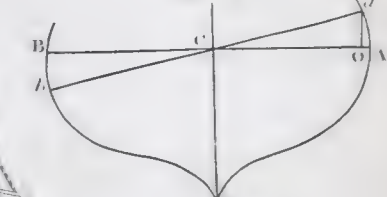
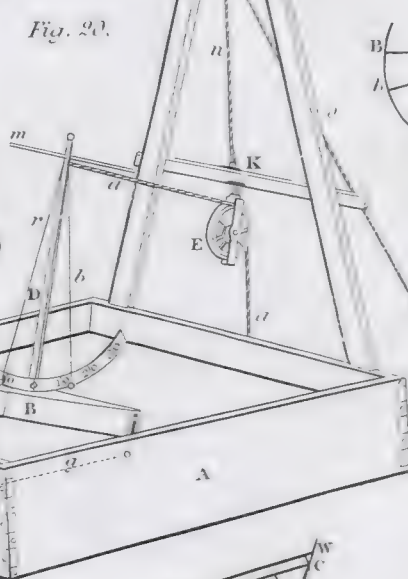
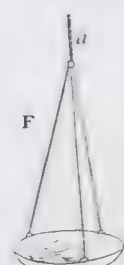
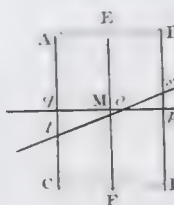


Fig. 21.

Fig. 13.

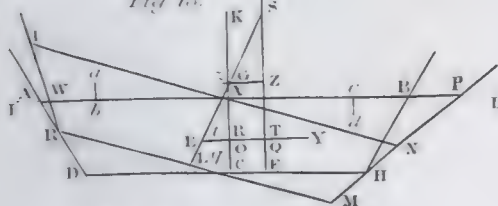


Fig. 23.



Fig. 24.

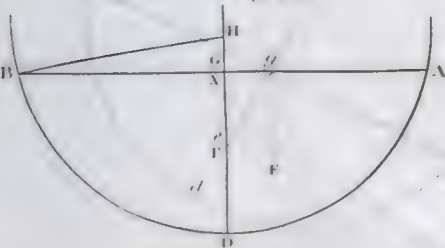


Fig. 18.

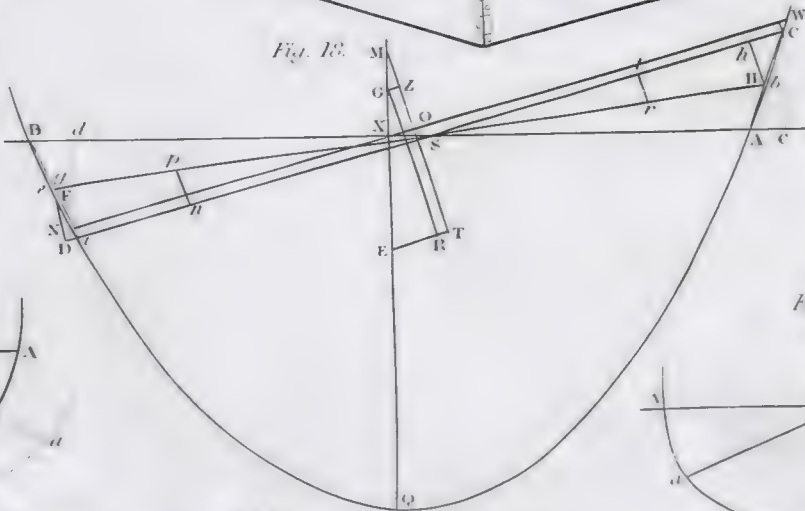


Fig. 21.

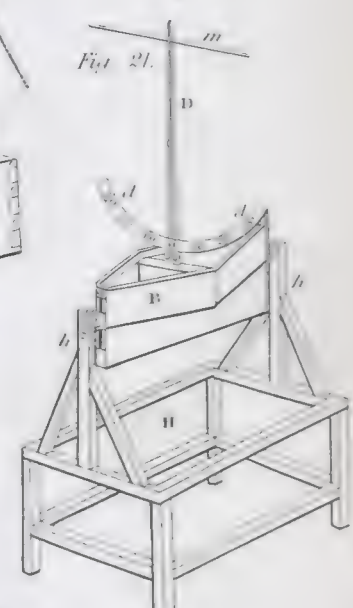


Fig. 20.

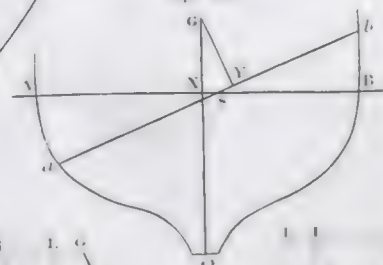


Fig. 22.

Fig. 27.

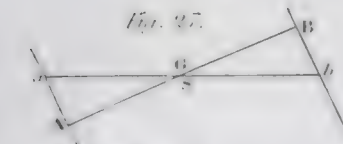


Fig. 26.



Fig. 29.

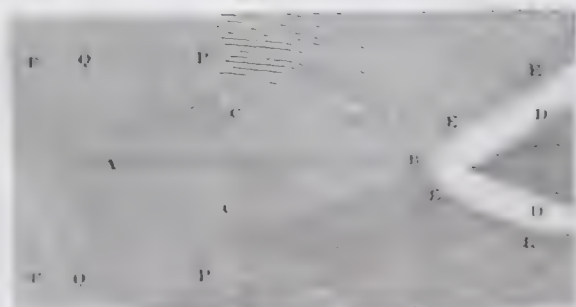


Fig. 22.

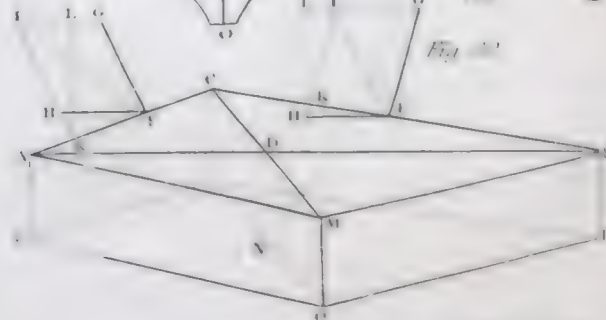
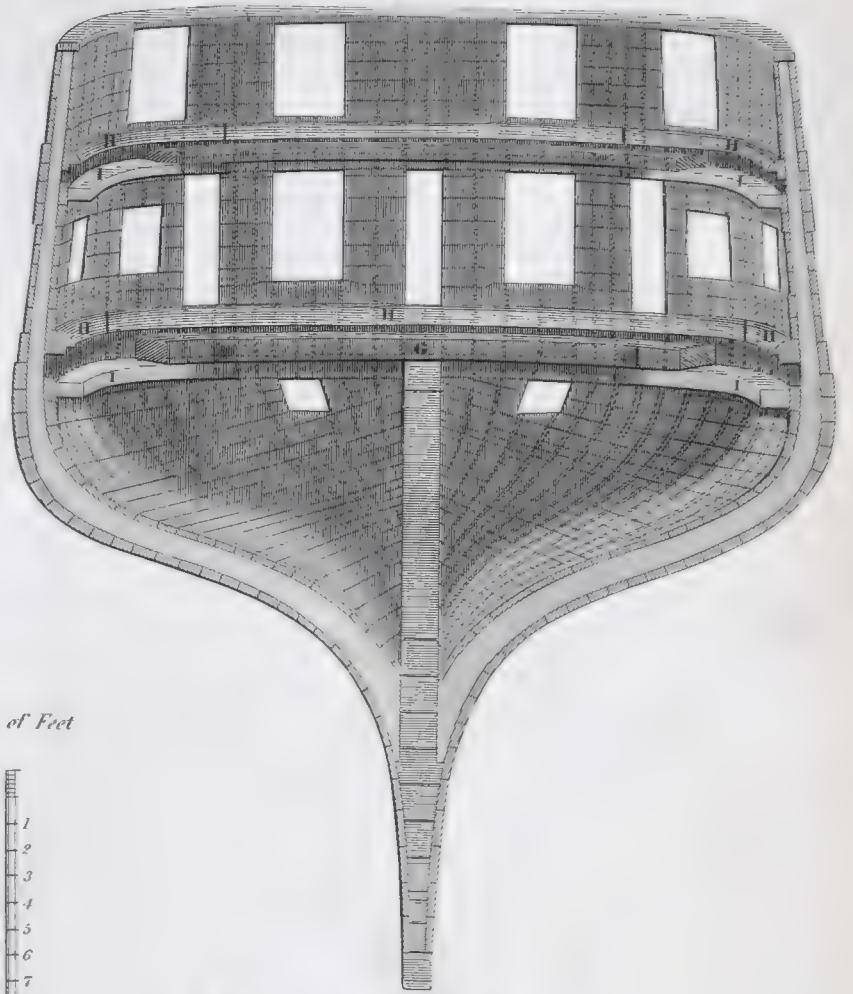
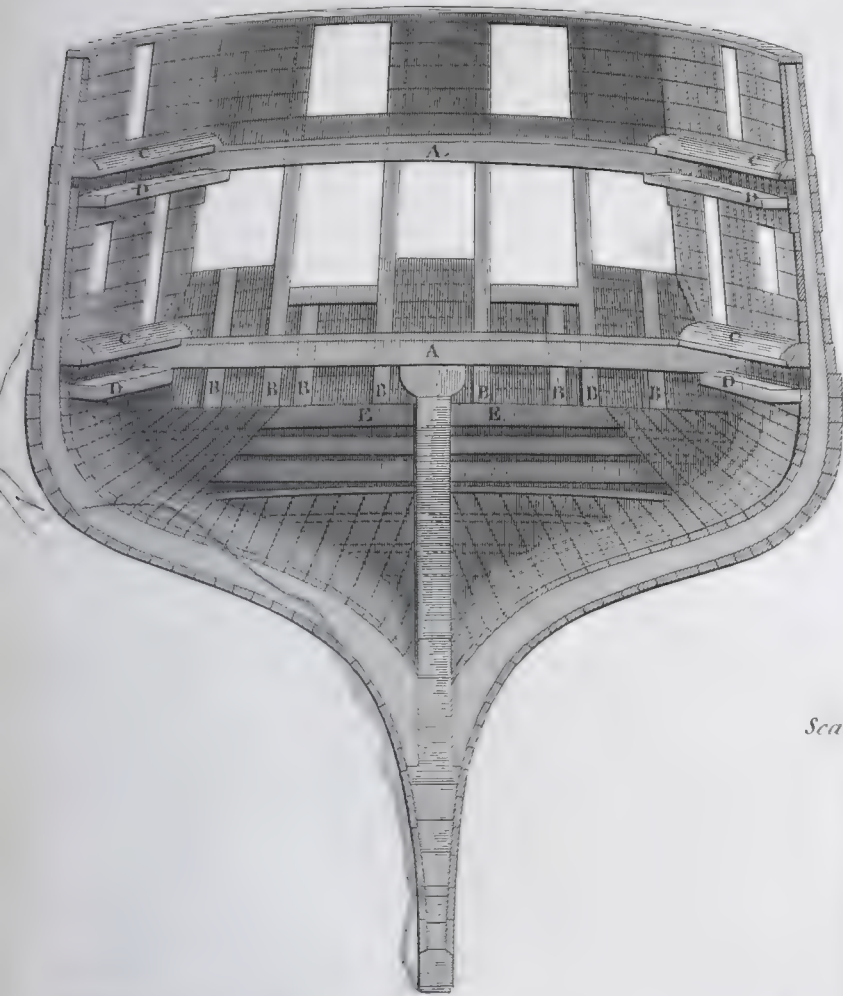




Fig. 1.

Fig. 2.

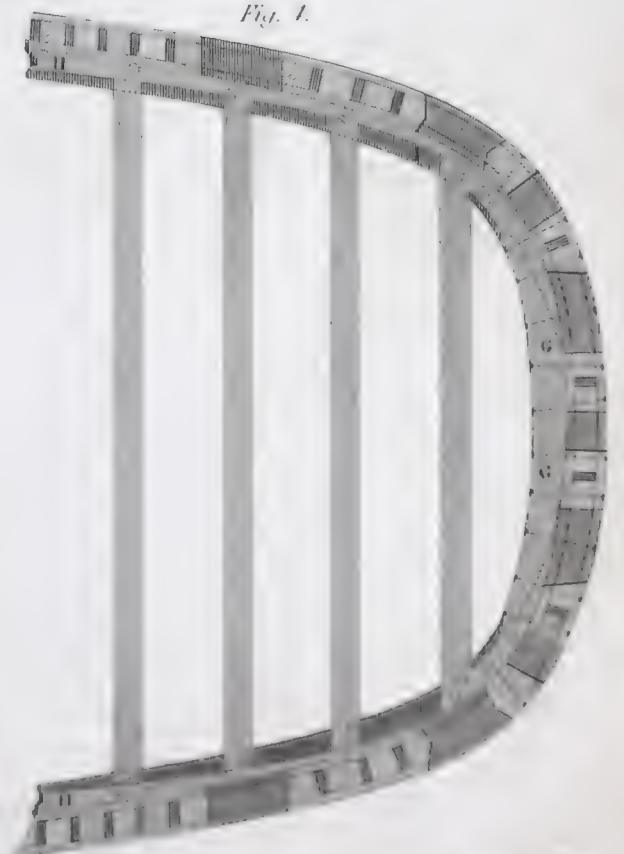


Scale of Feet



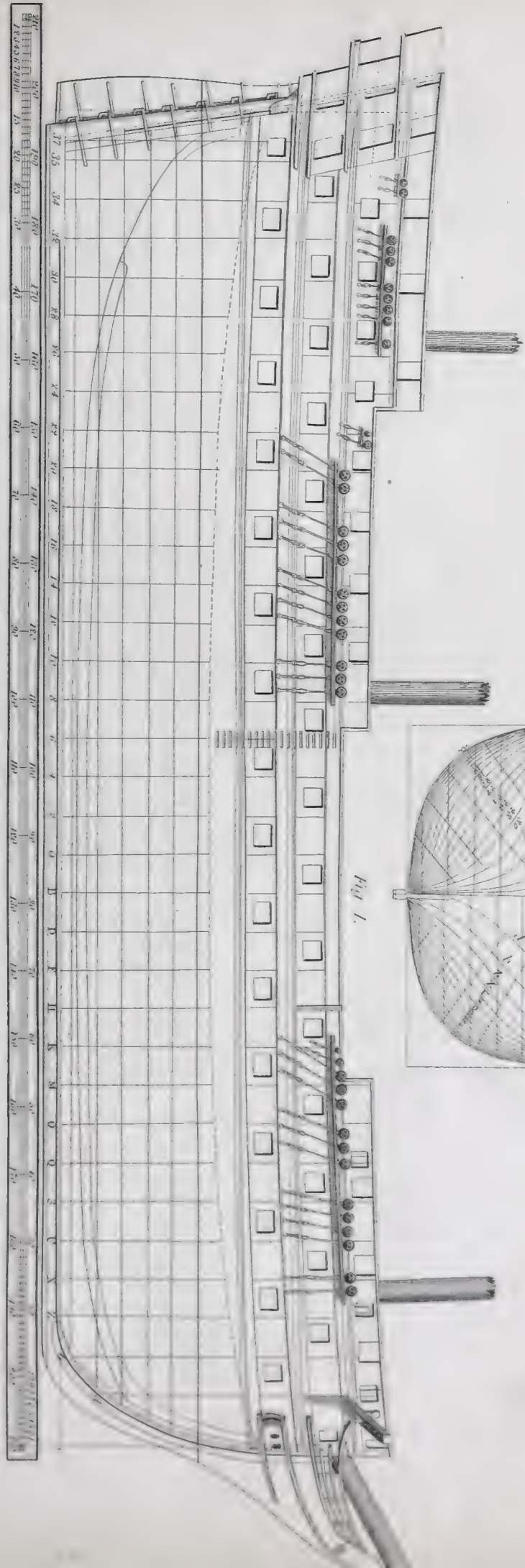
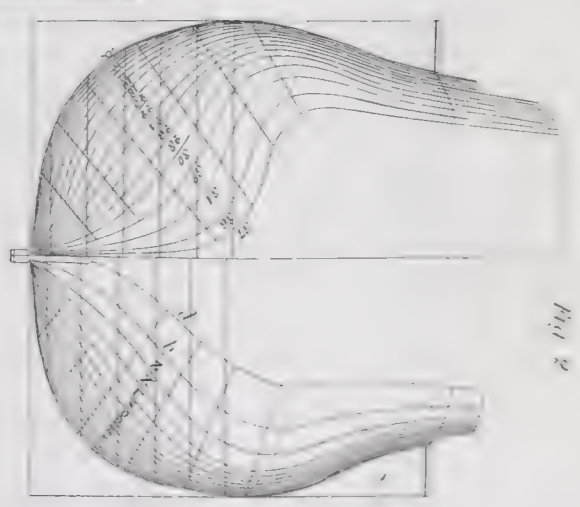
Fig. 3.

Fig. 4.



DIMENSIONS

Length on the Gundeck	196. Pa.
of the Keel for Tonnage	161 M ² .
Breadth Extreme	51 5/4.
Moulded	50 3/4.
Depth in Hold	22 6.
Burthen in Tons	13227.29904.



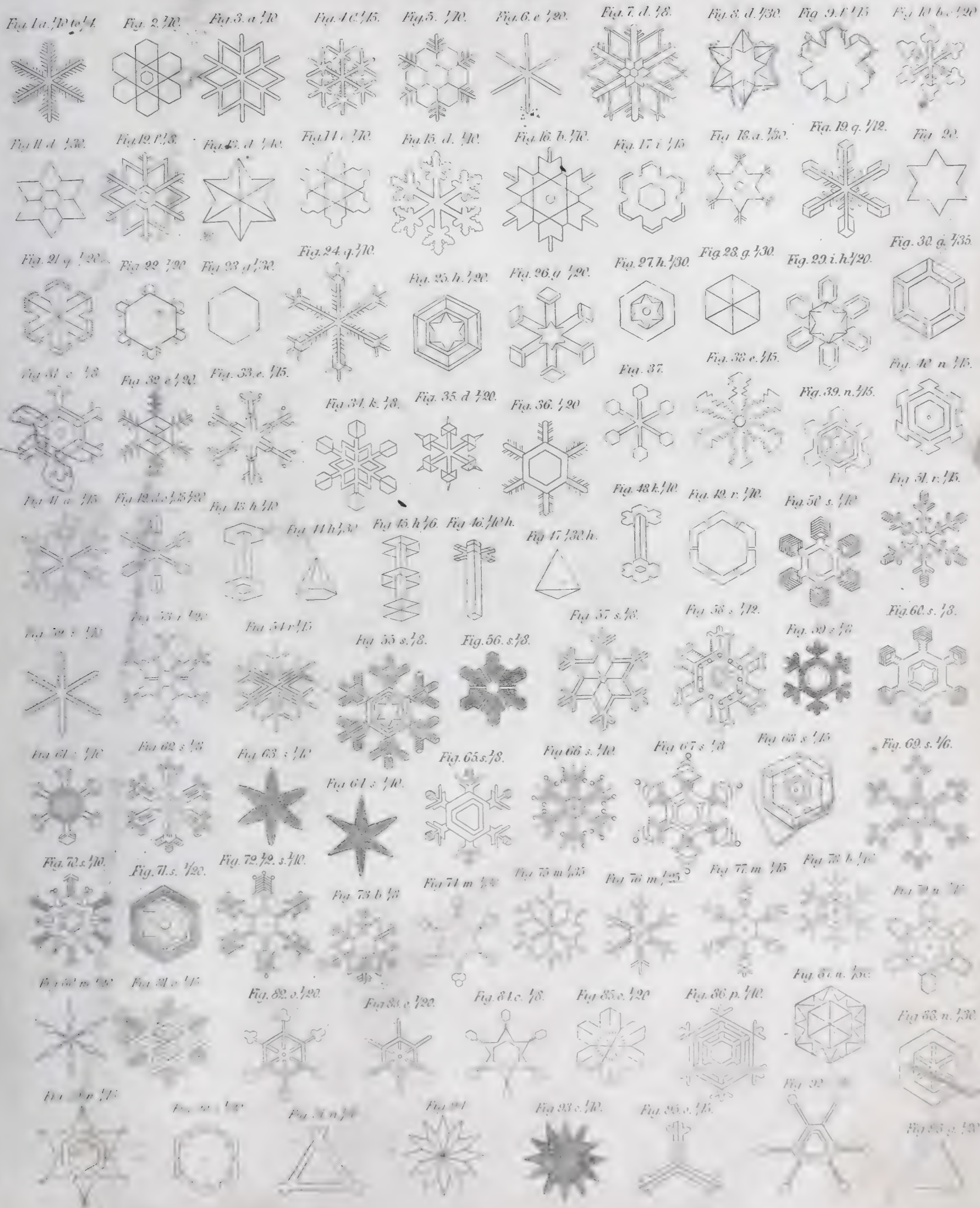
A DRAUGHT
For Building a Ship of
84 GUNS.

W. & A. S. 1854.

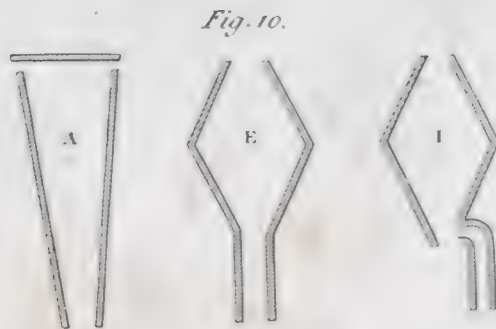
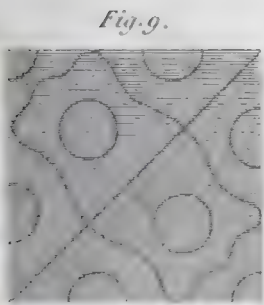
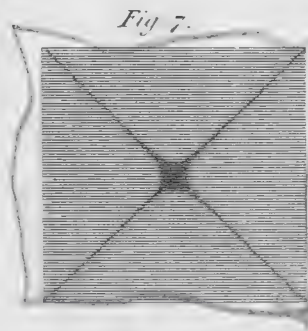
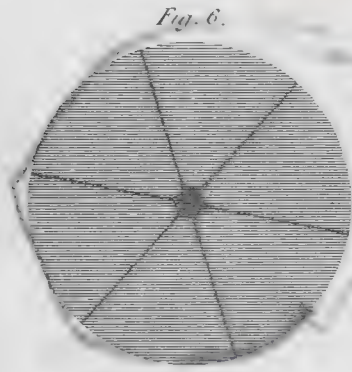
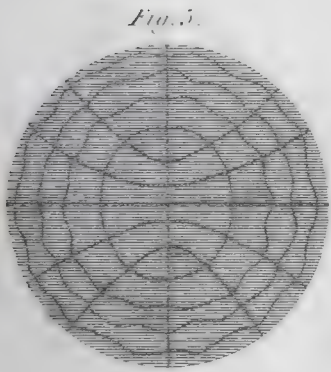
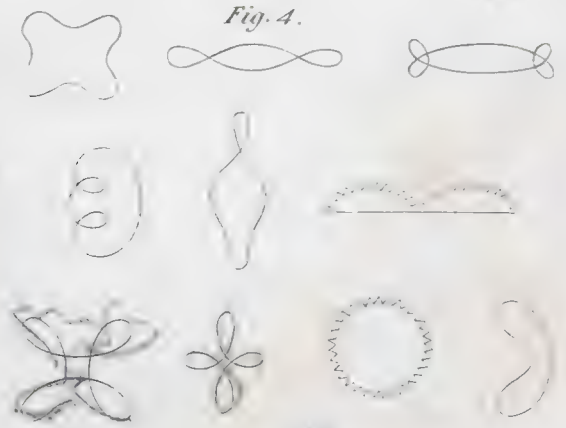
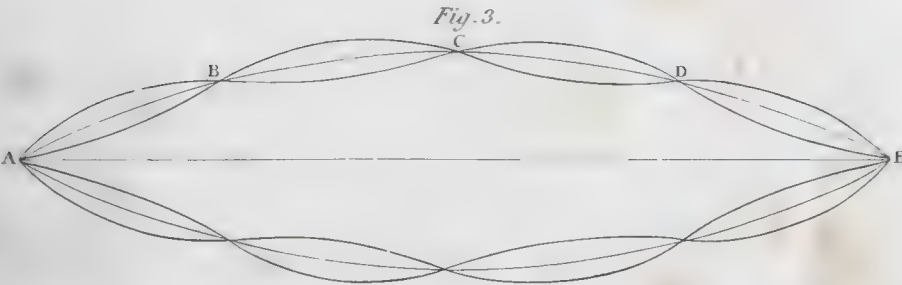
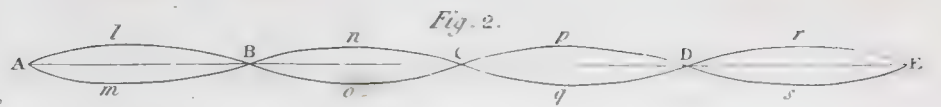
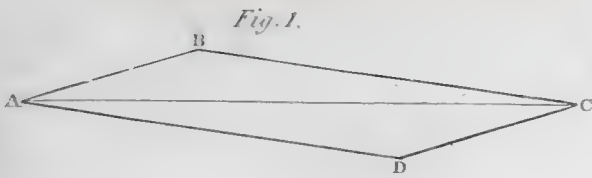


S N O W .

PLATE DIII.

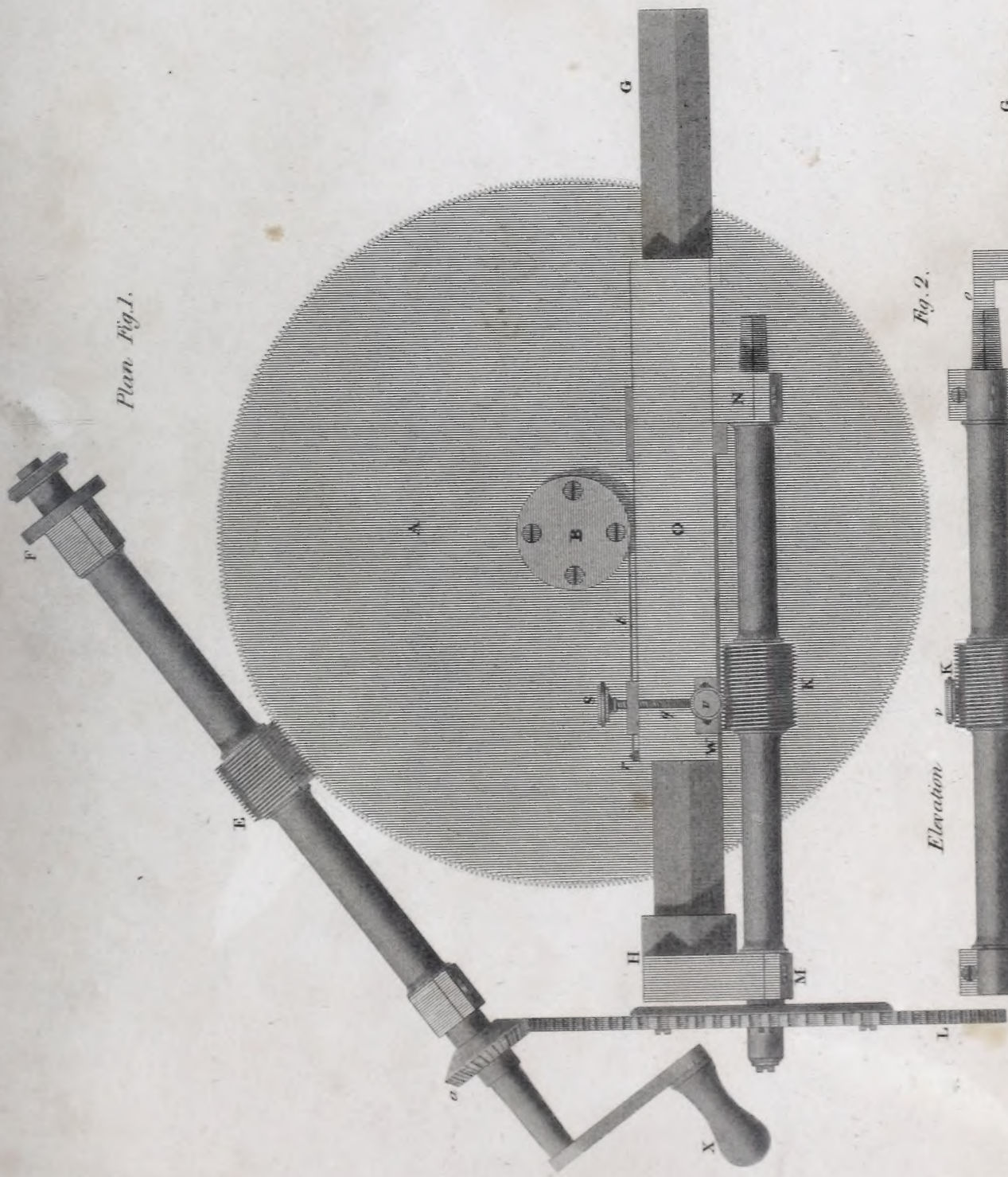








ENGINE for cutting the Screw of RAMSDENS' Straight Line dividing Engine



Plan Fig. 1.

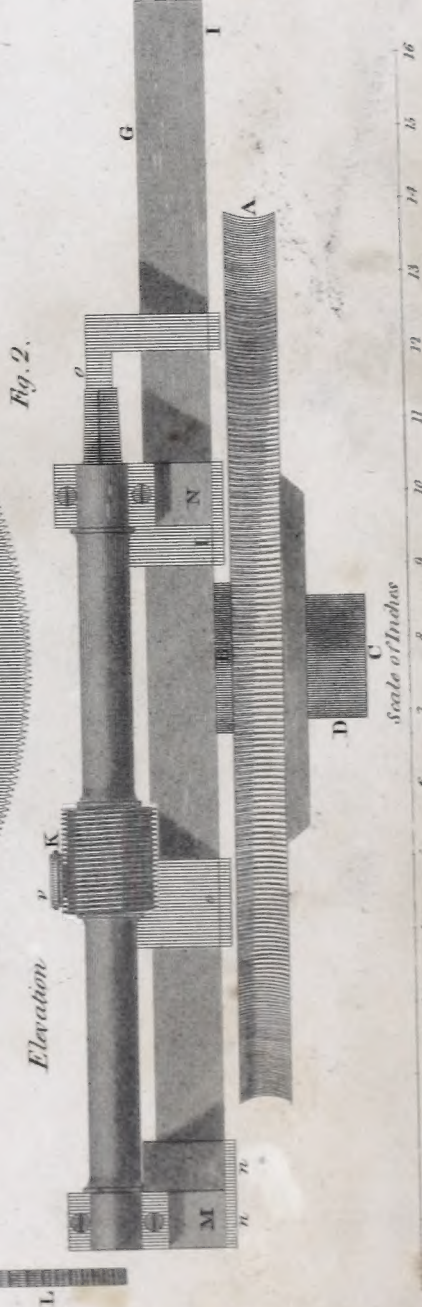


Fig. 2.

Elevation

Scale of Inches

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



