

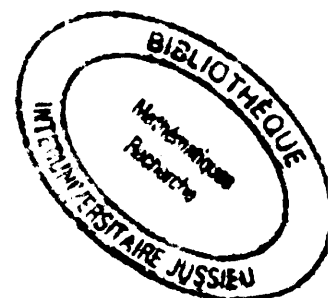
COURS

DE

GÉOMÉTRIE DESCRIPTIVE.

PAR M. THÉODORE OLIVIER,

ANCIEN ÉLÈVE DE L'ÉCOLE POLYTECHNIQUE ET ANCIEN OFFICIER D'ARTILLERIE ; DOCTEUR ÈS SCIENCES DE LA FACULTÉ DE PARIS.
PROFESSEUR DE GÉOMÉTRIE DESCRIPTIVE AU CONSERVATOIRE ROYAL DES ARTS ET MÉTIERS ;
PROFESSEUR-FONDATEUR DE L'ÉCOLE CENTRALE DES ARTS ET MANUFACTURES ; RÉPÉTITEUR A L'ÉCOLE POLYTECHNIQUE,
MEMBRE DE LA SOCIÉTÉ PHILOMATIQUE DE PARIS ET DU COMITÉ DES ARTS MÉCANIQUES DE LA SOCIÉTÉ D'ENCOURAGEMENT POUR L'INDUSTRIE NATIONALE
MEMBRE ÉTRANGER DES DEUX ACADÉMIES ROYALES DES SCIENCES ET DES SCIENCES MILITAIRES DE STOCKHOLM ;
DES ACADÉMIES DE METZ, DIJON ET LYON ;
CHEVALIER DE LA LÉGION D'HONNEUR ET DE L'ORDRE ROYAL DE L'ÉTOILE POLAIRE DE SUÈDE.



ATLAS.

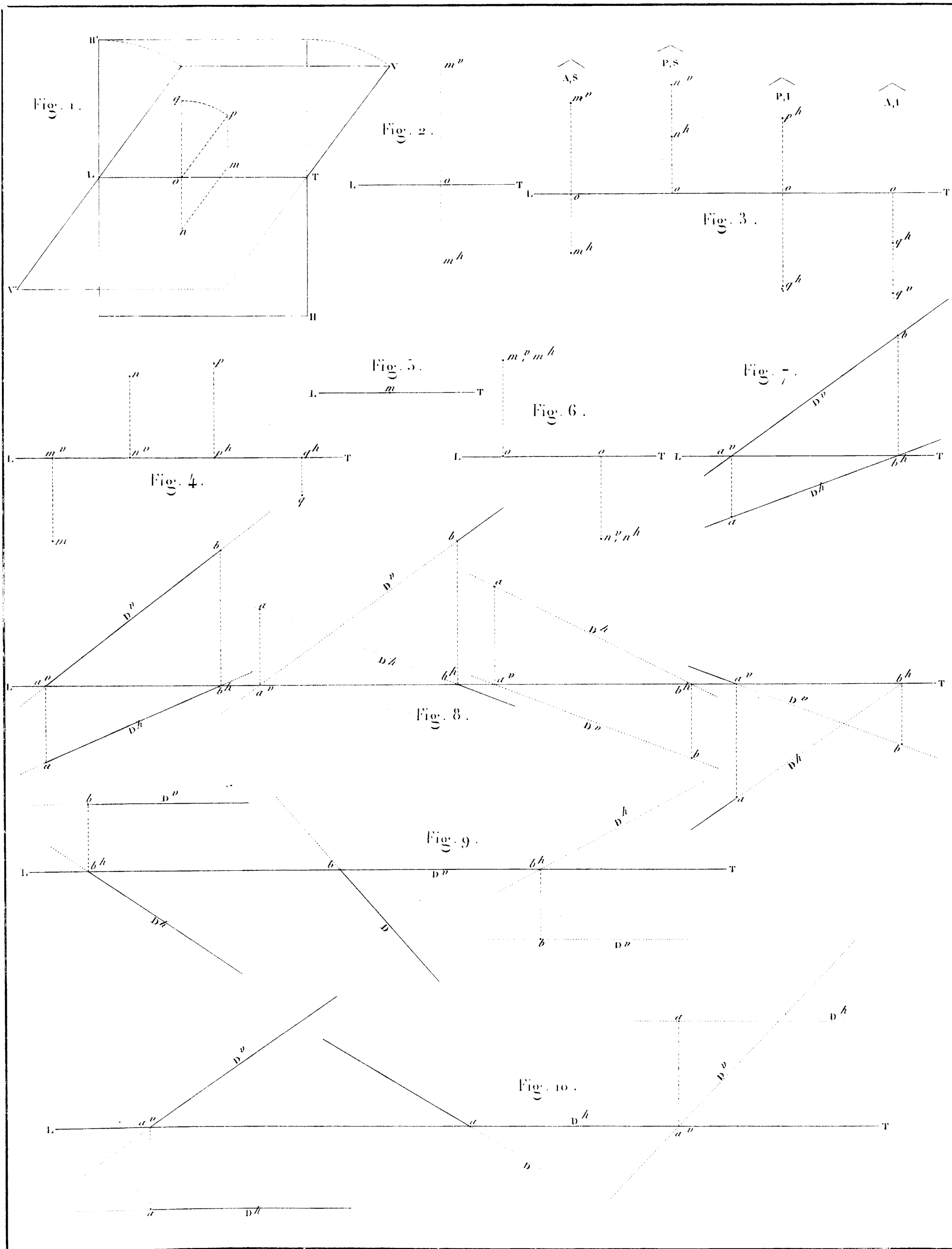
PARIS.

CARILIAN-GOËURY ET V^{OR} DALMONT, ÉDITEURS.

LIBRAIRES DES CORPS ROYAUX DES PONTS ET CHAUSSÉES ET DES MINES.

Quai des Augustins, n^{OS} 39 et 41.

1844.



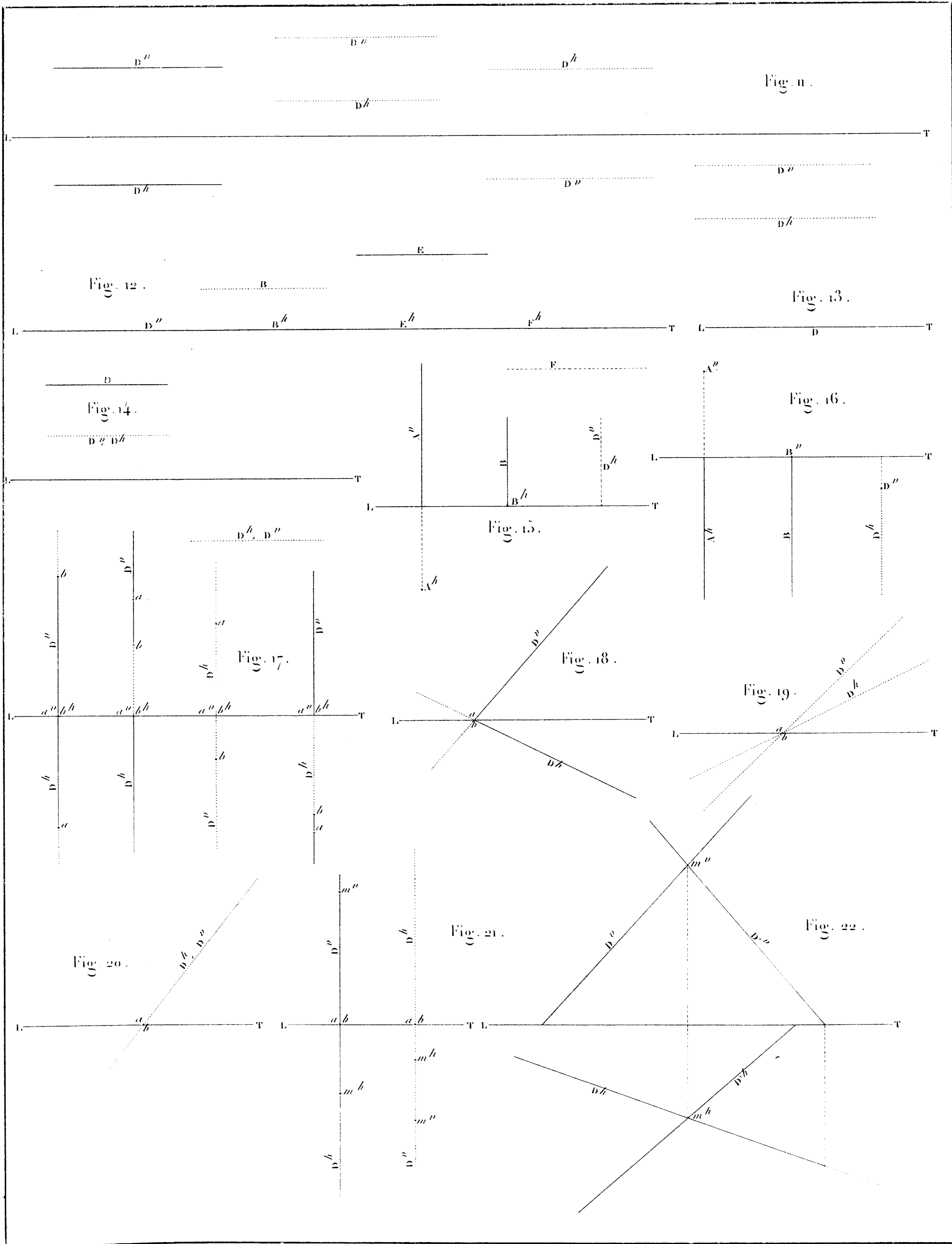


Fig. 23.

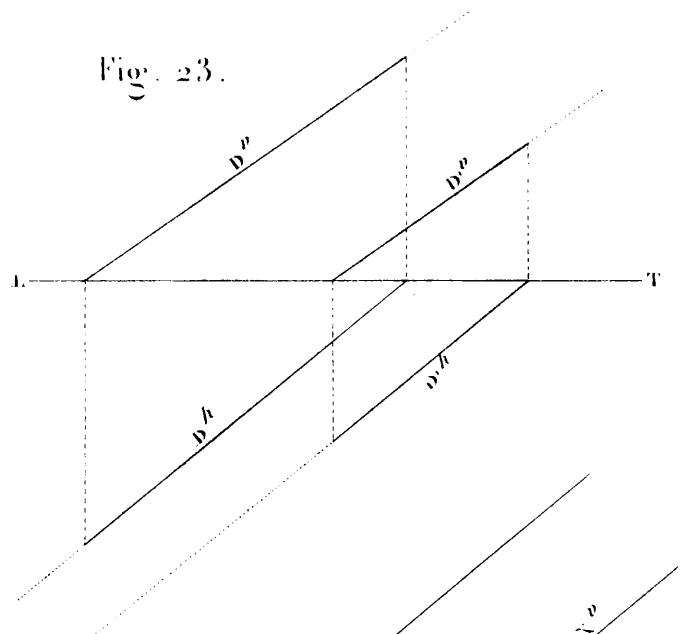


Fig. 24.

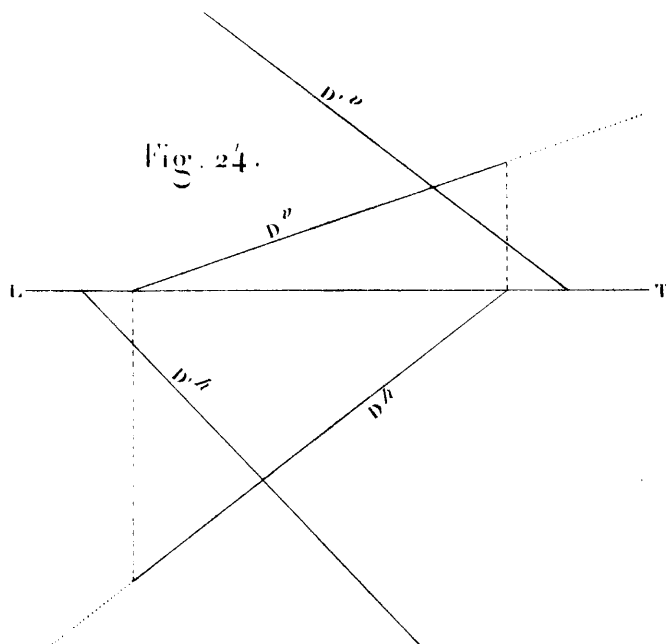


Fig. 25.

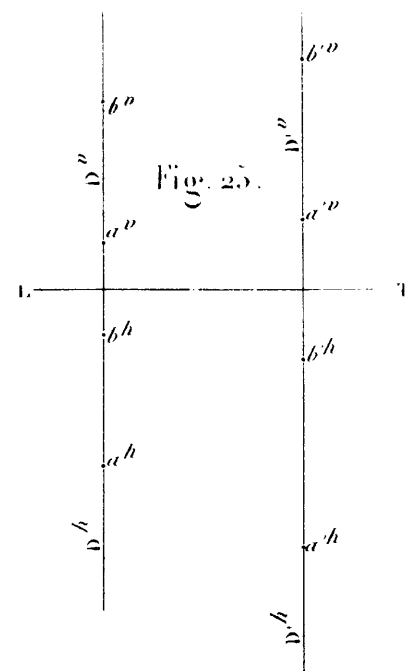


Fig. 26.

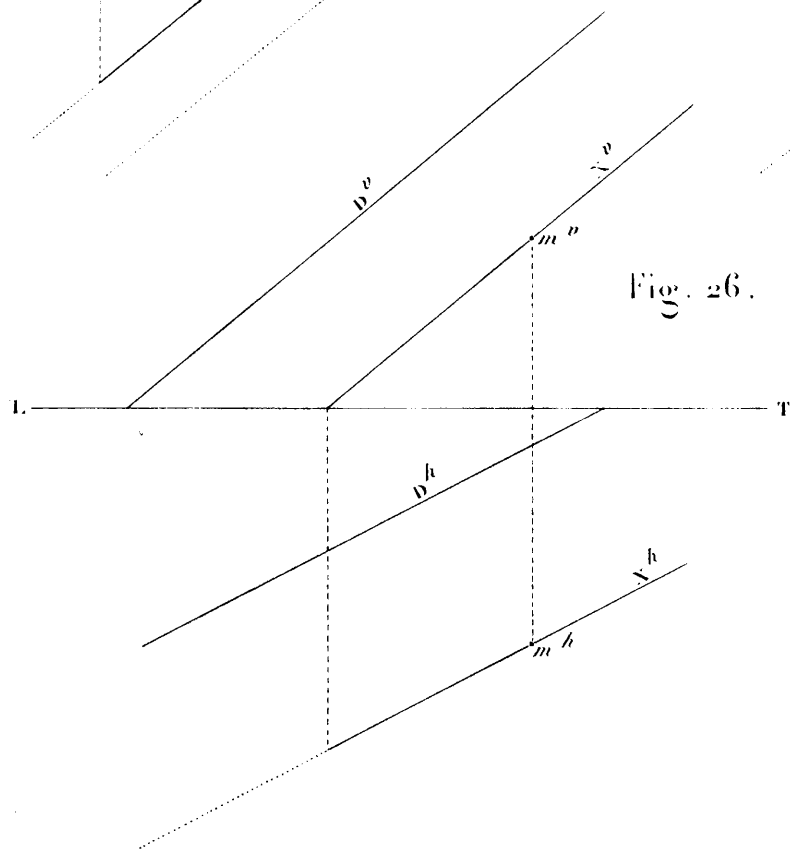


Fig. 27.

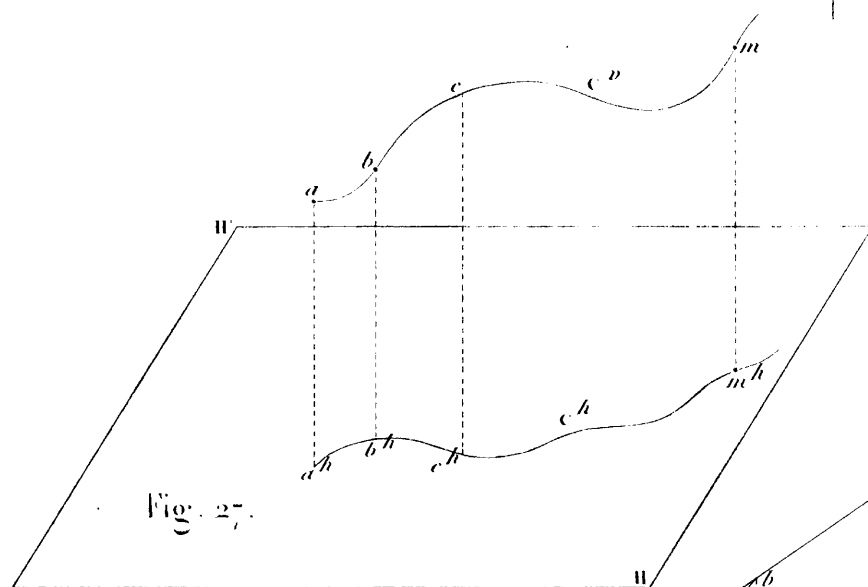


Fig. 28.

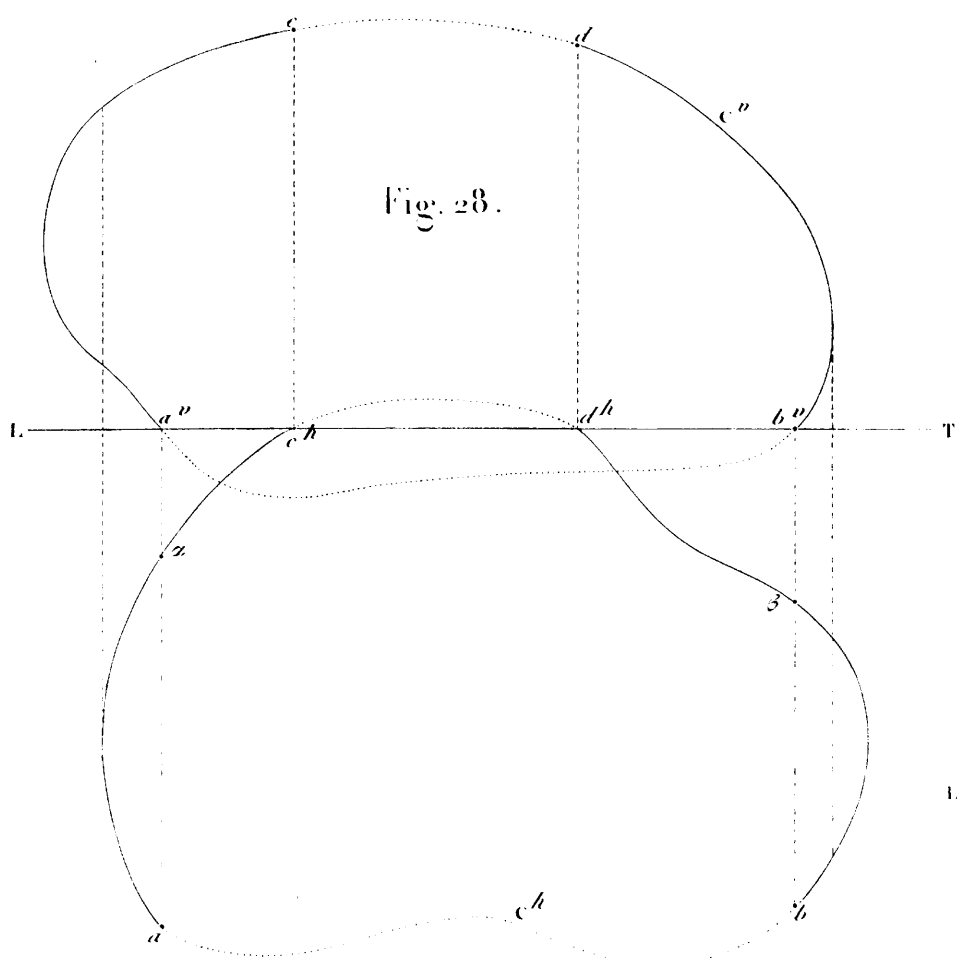


Fig. 29.

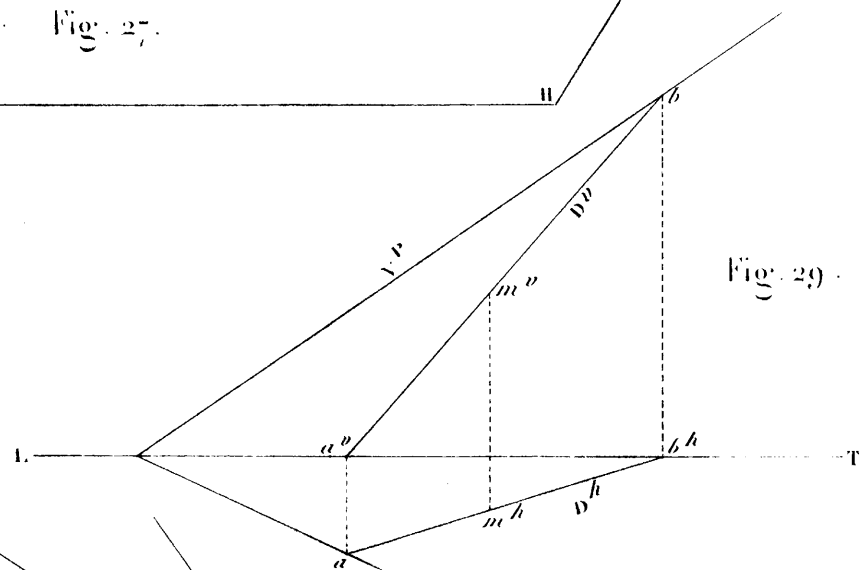
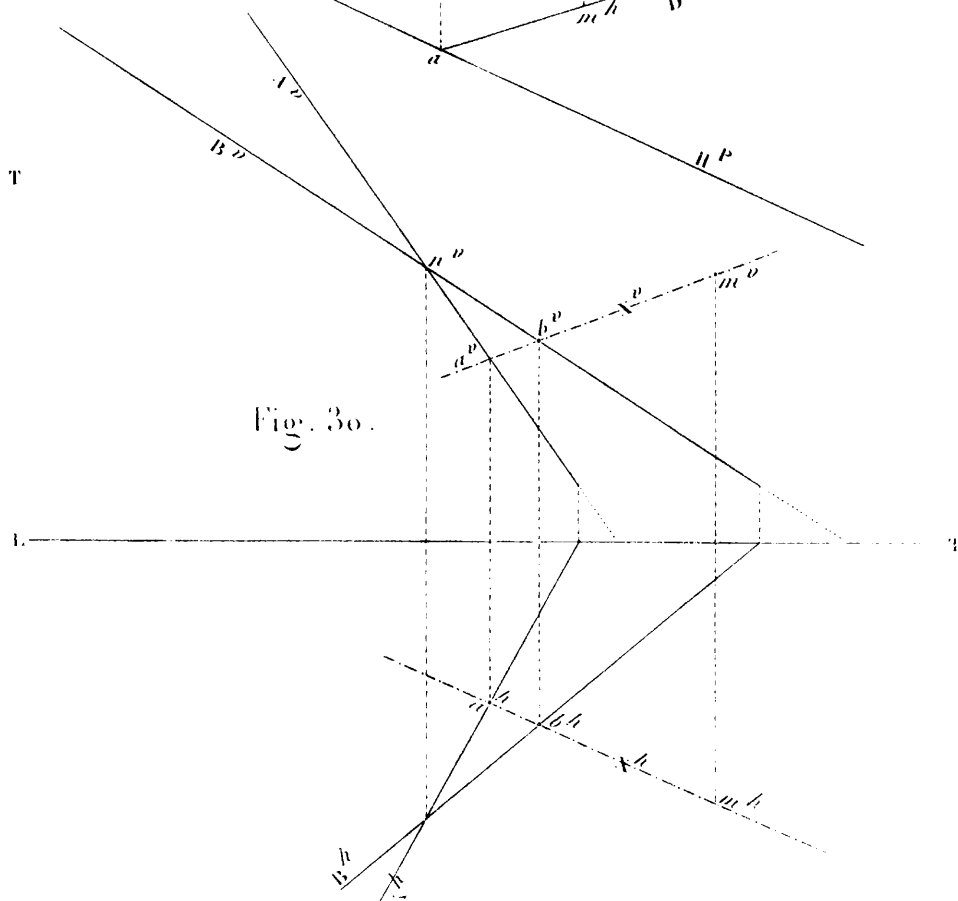
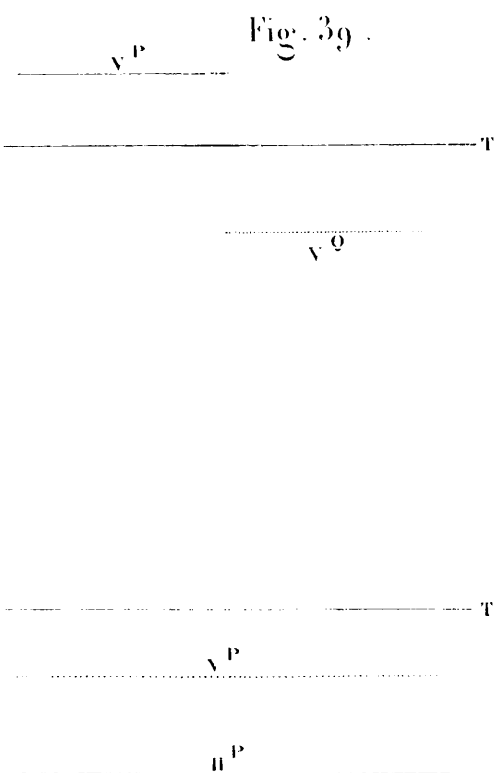
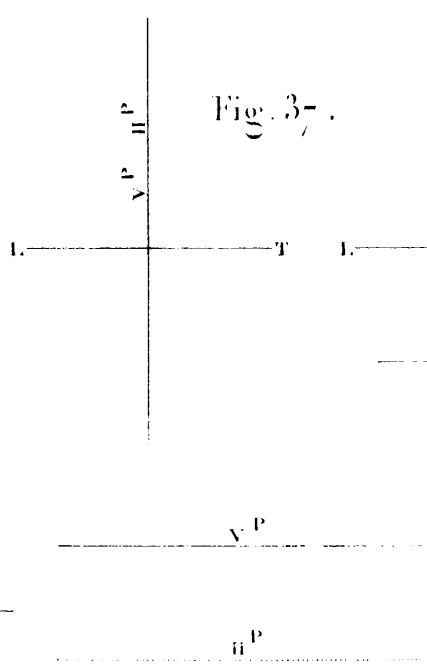
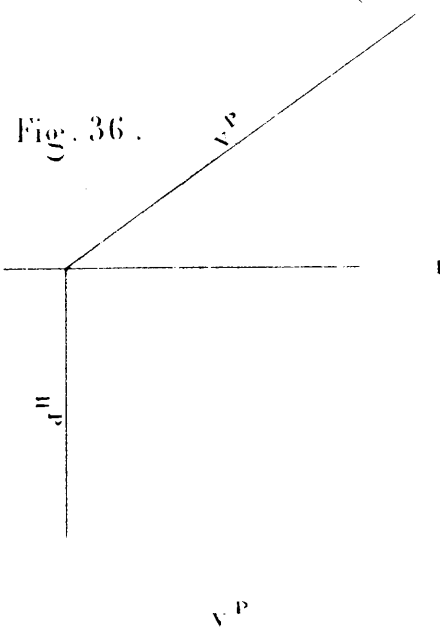
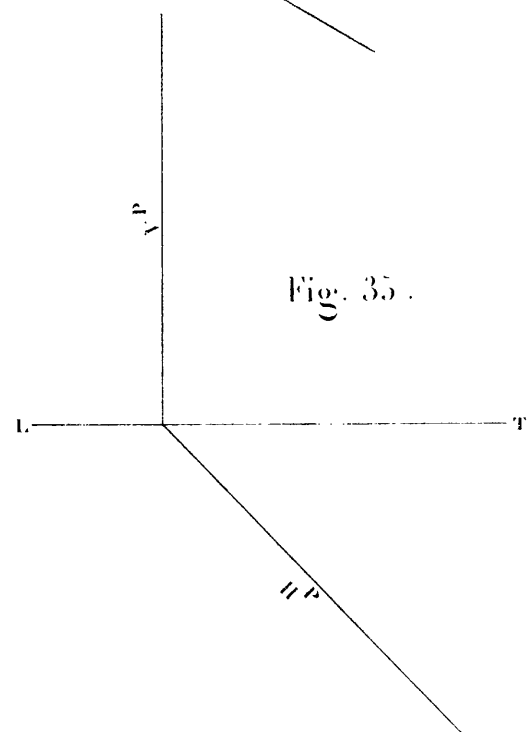
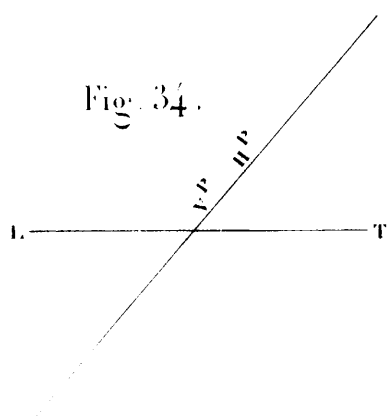
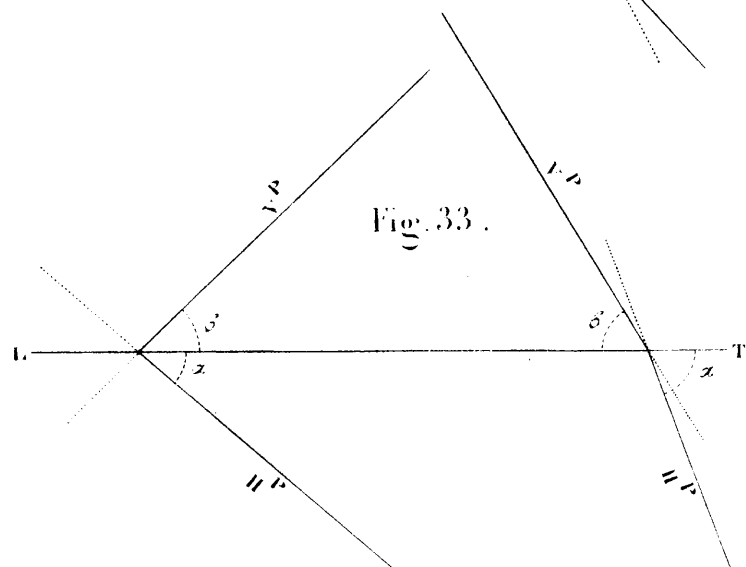
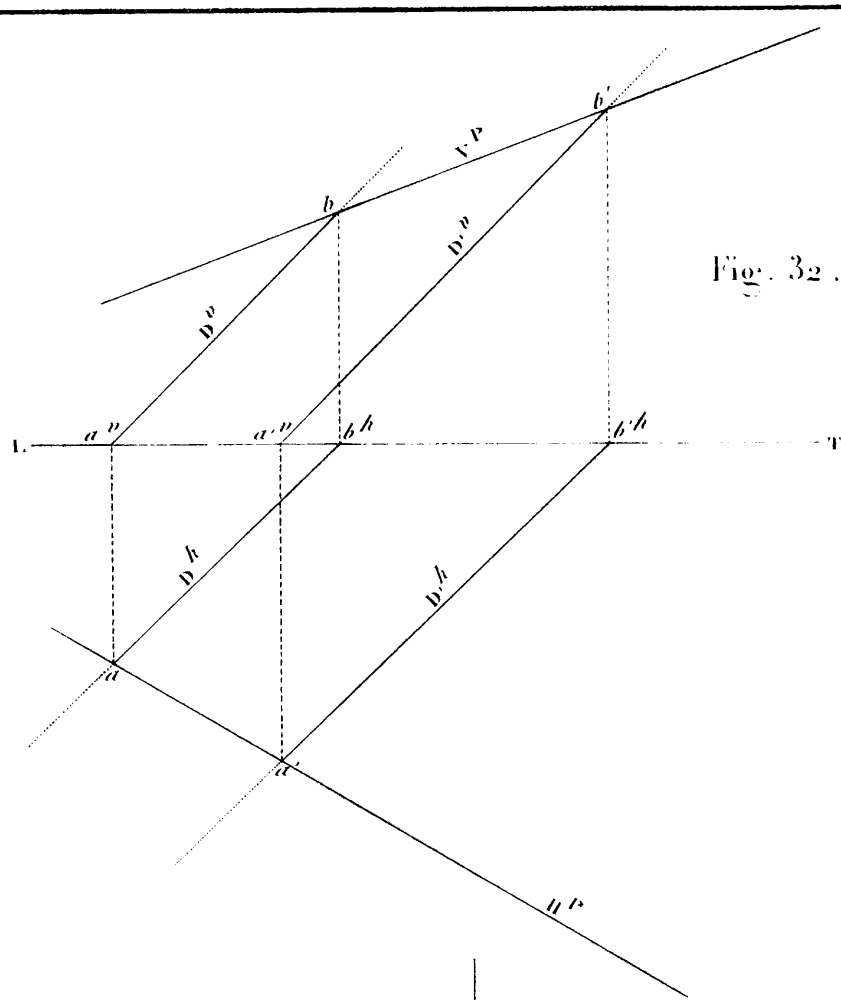
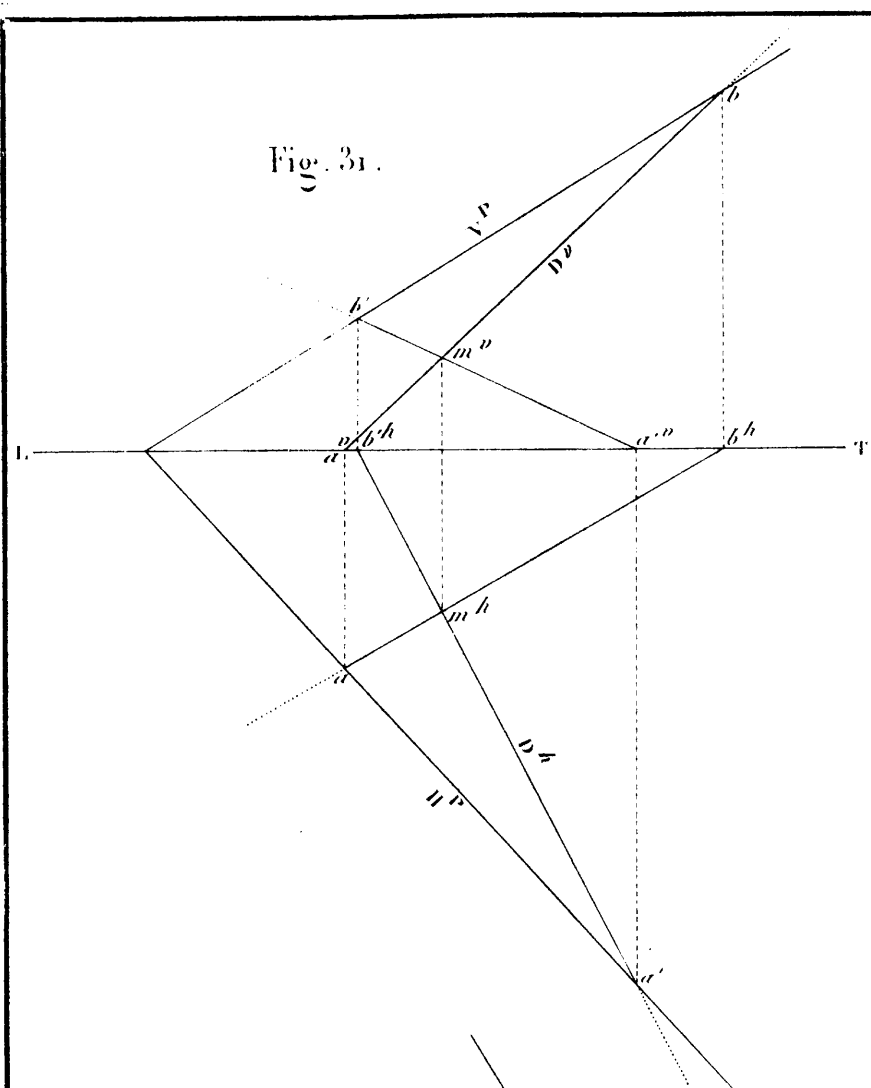
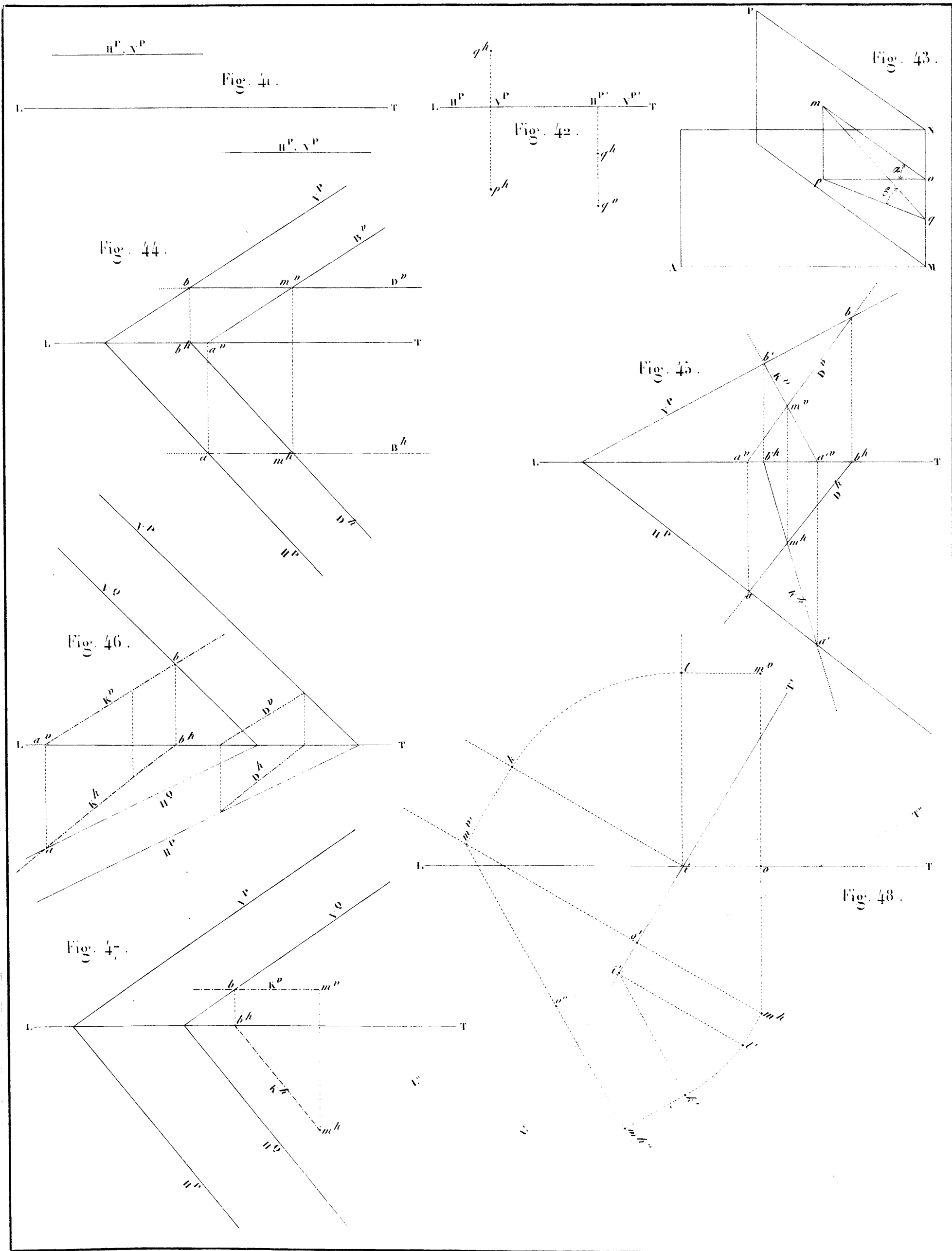


Fig. 30.







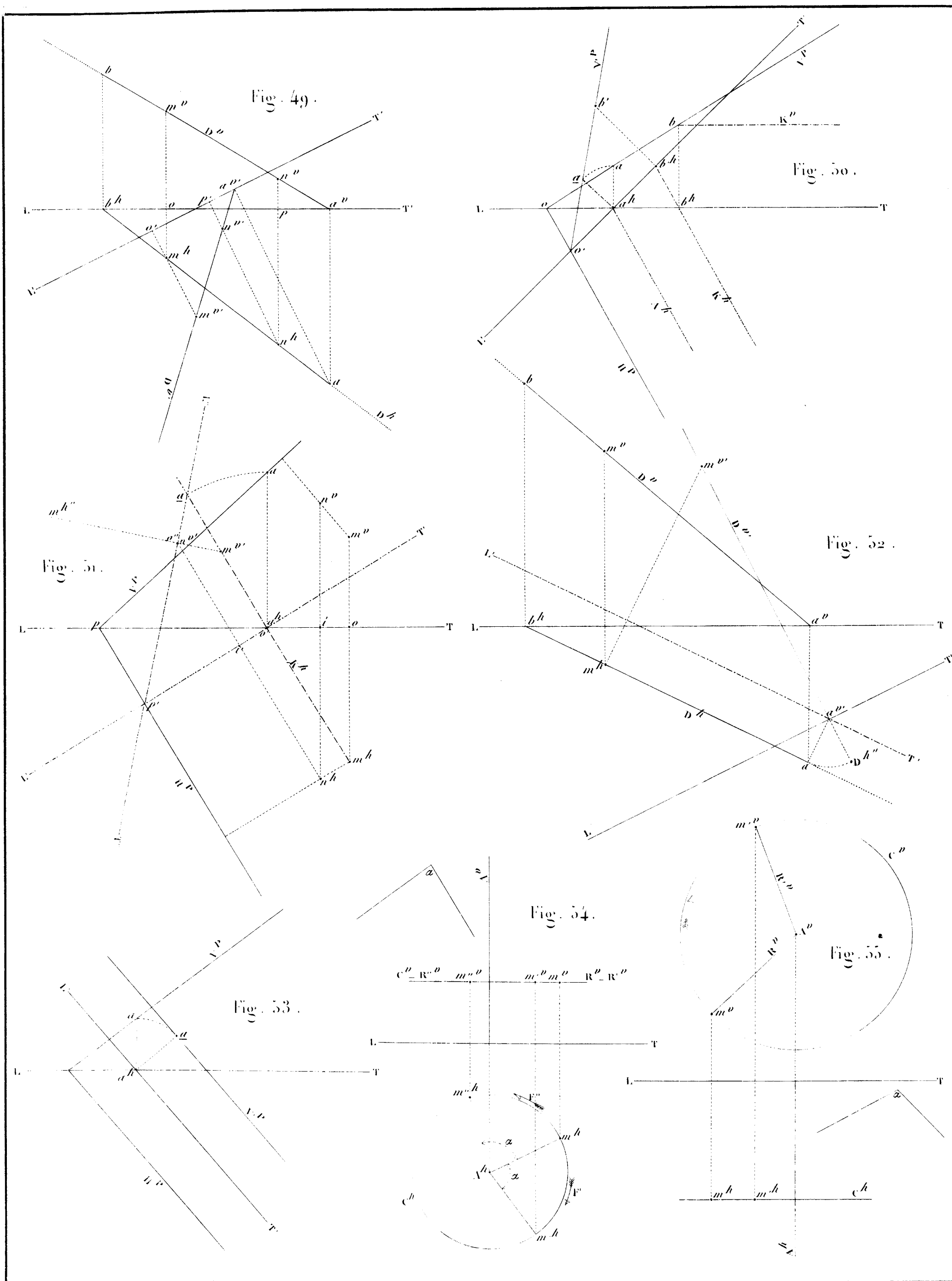


Fig. 57.

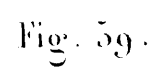


Fig. 60.

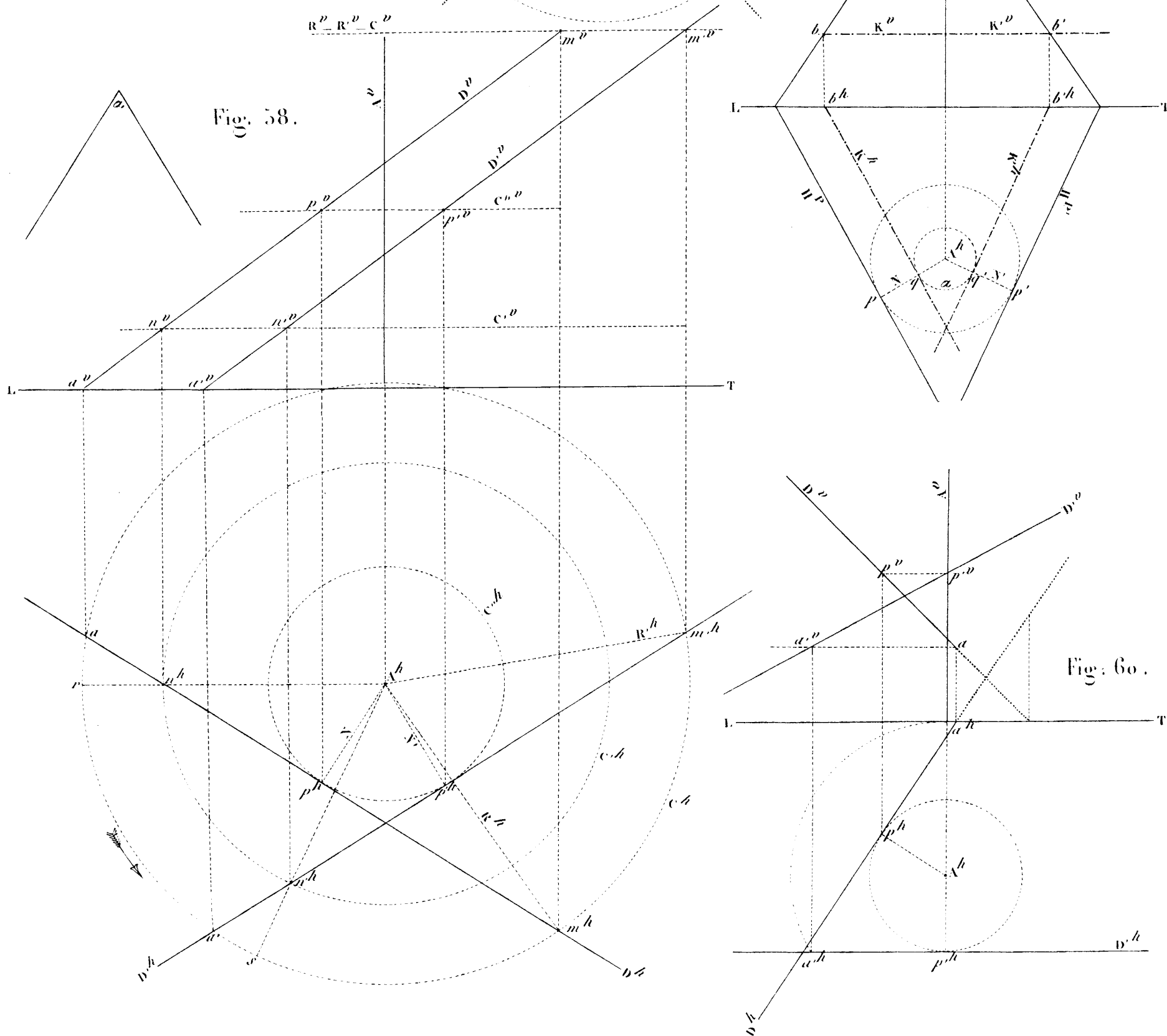


Fig. 61.

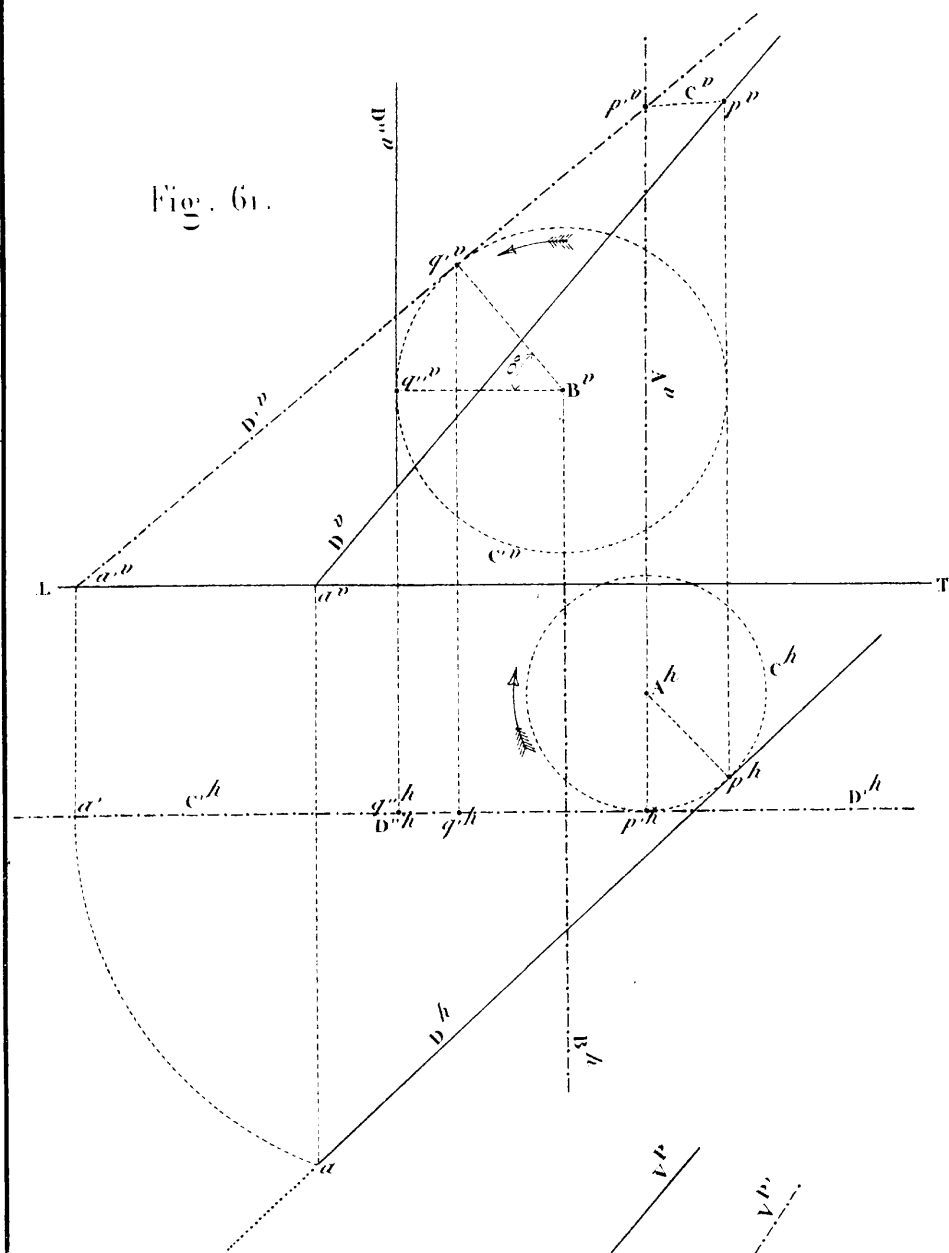


Fig. 63.

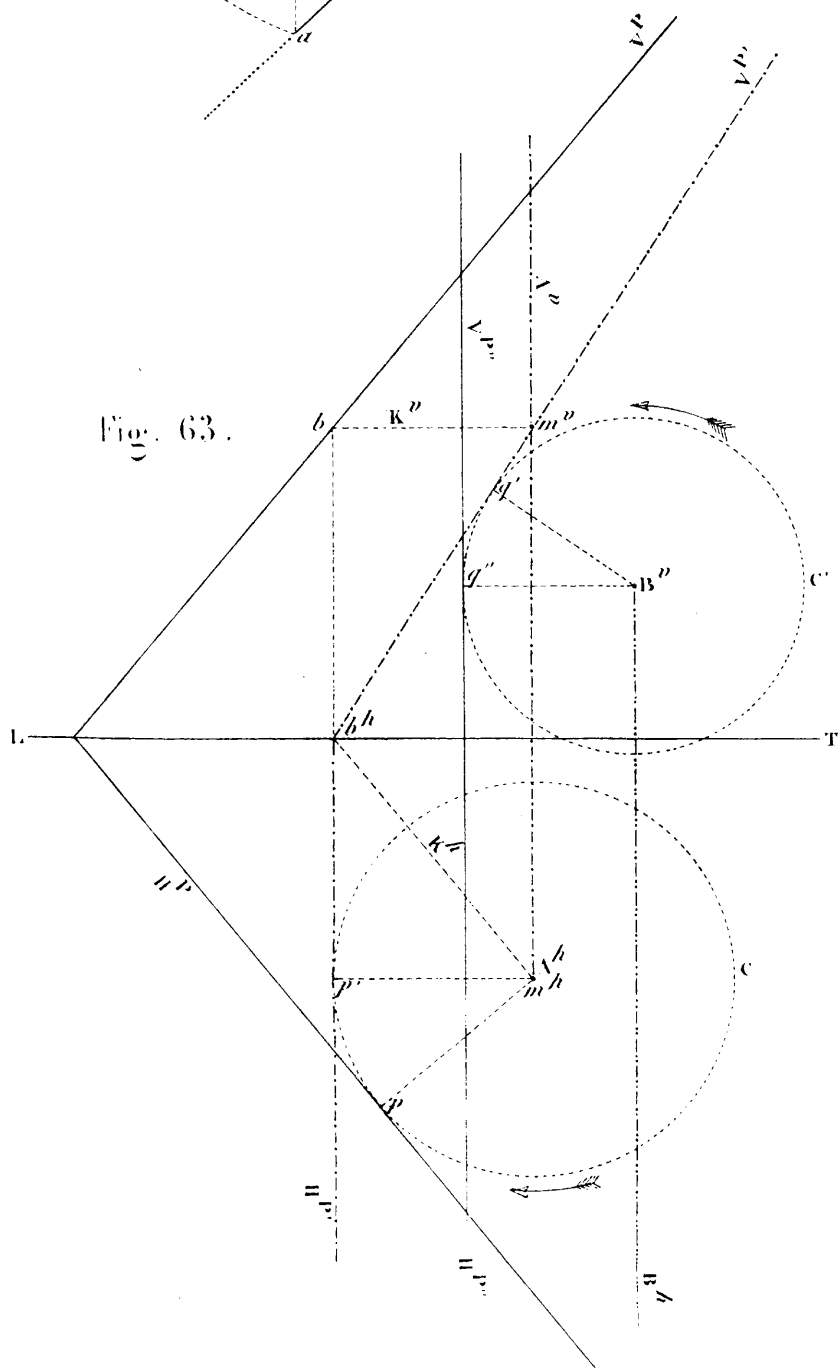


Fig. 62.

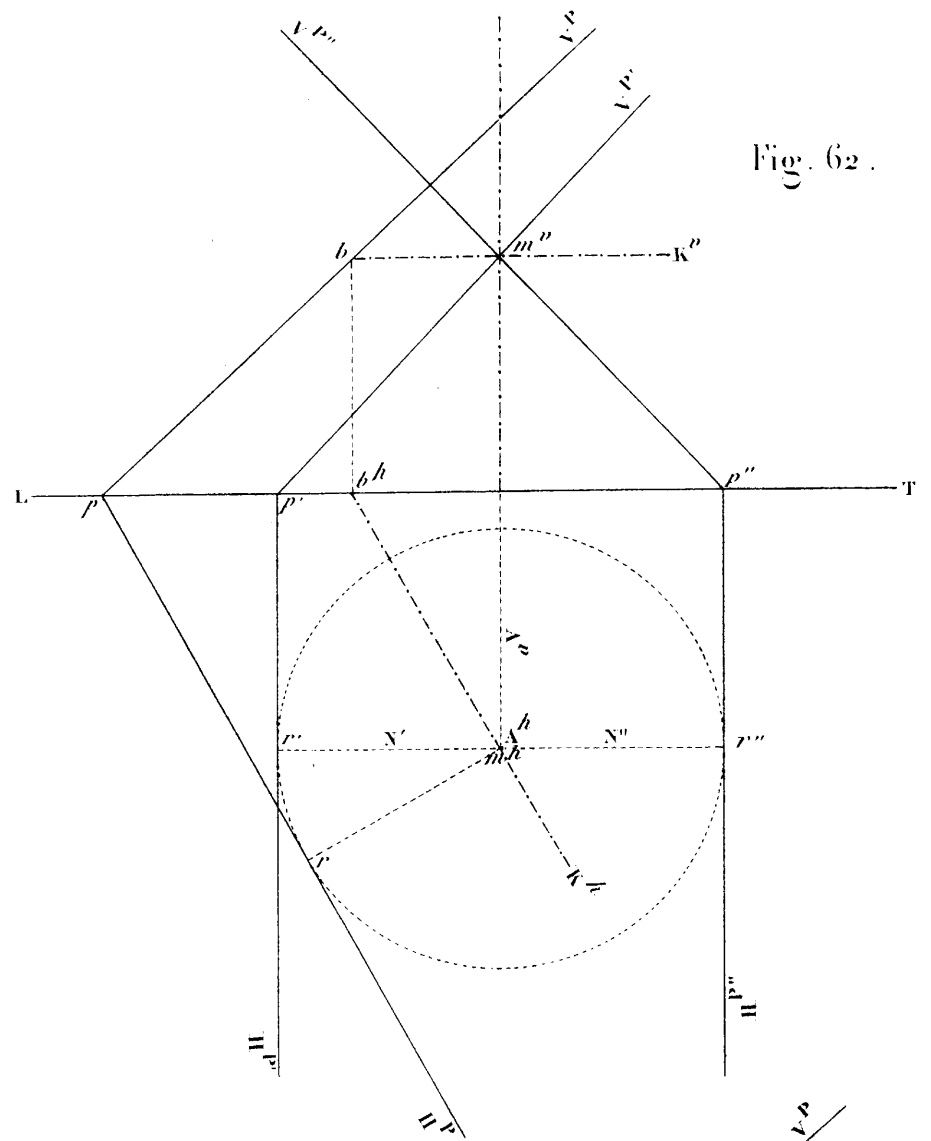
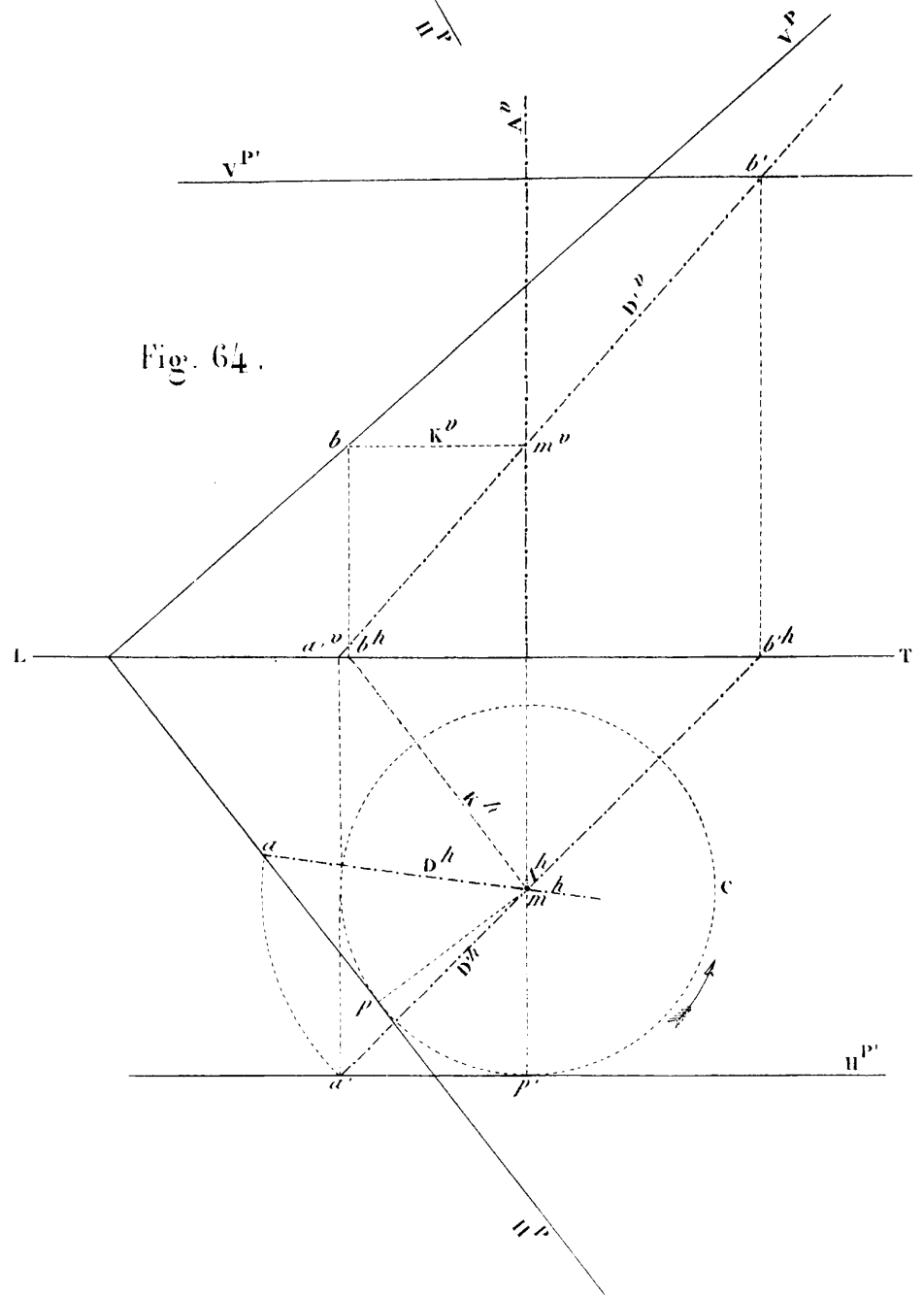


Fig. 64.



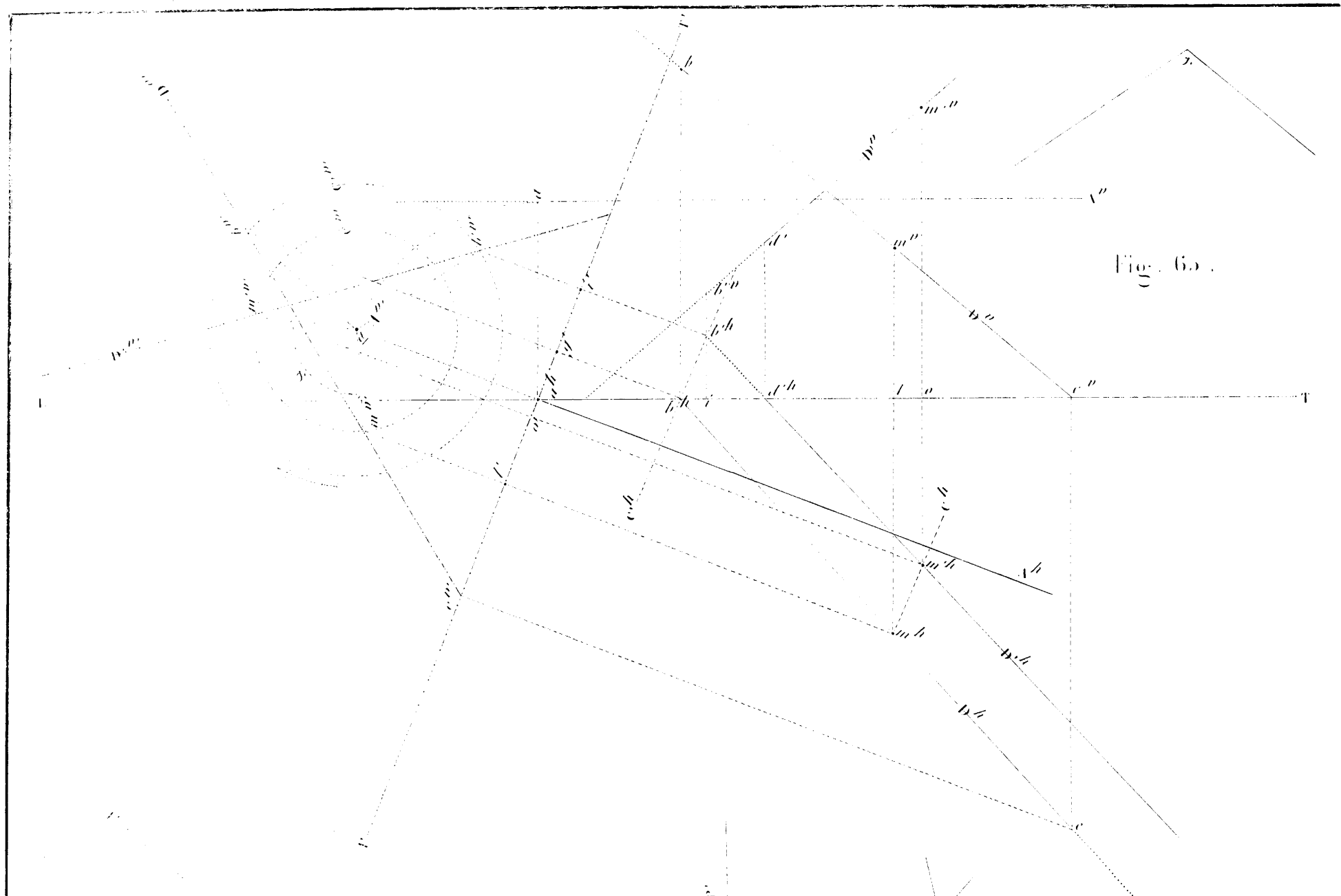


Fig. 65.

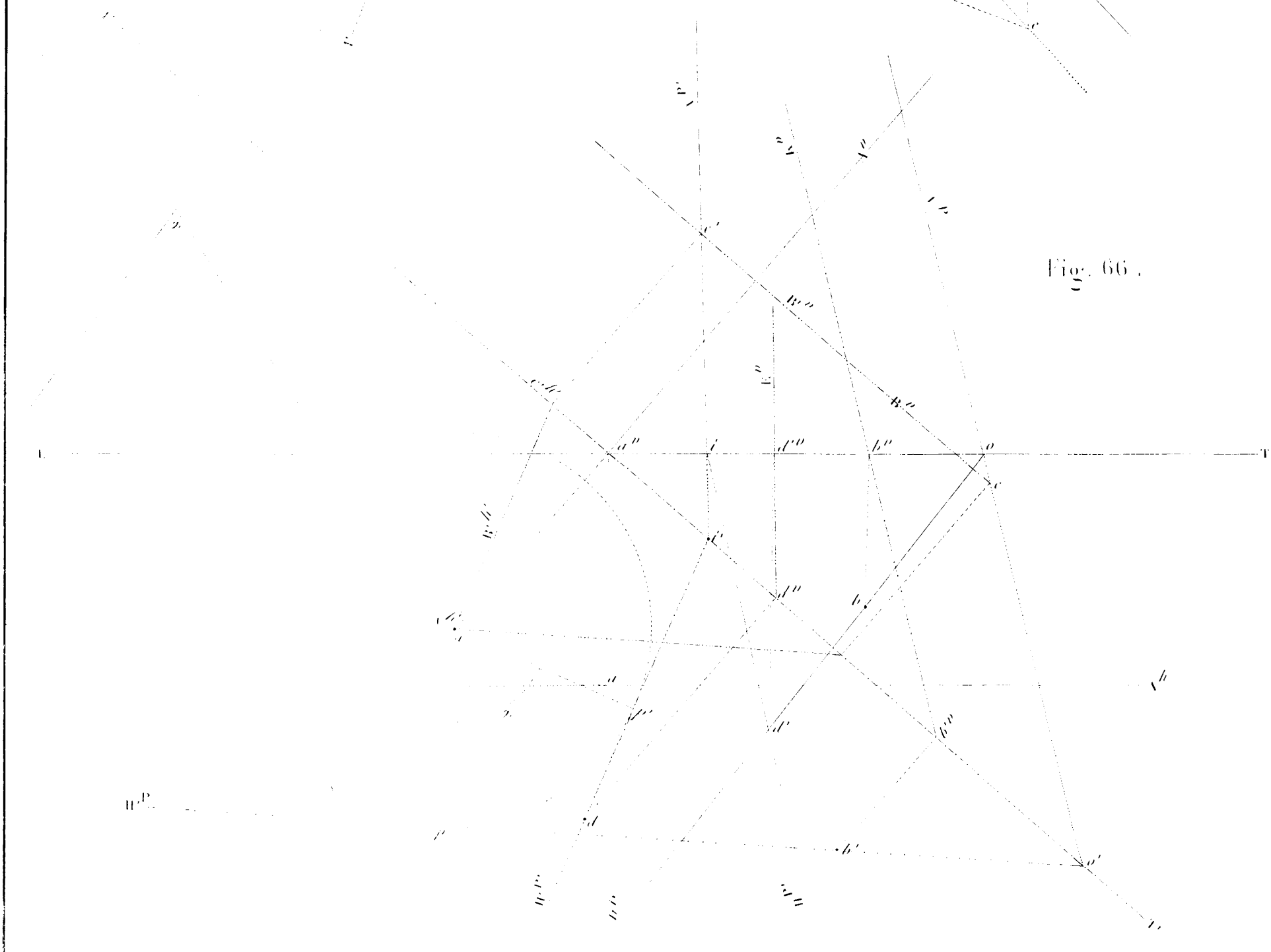


Fig. 66.

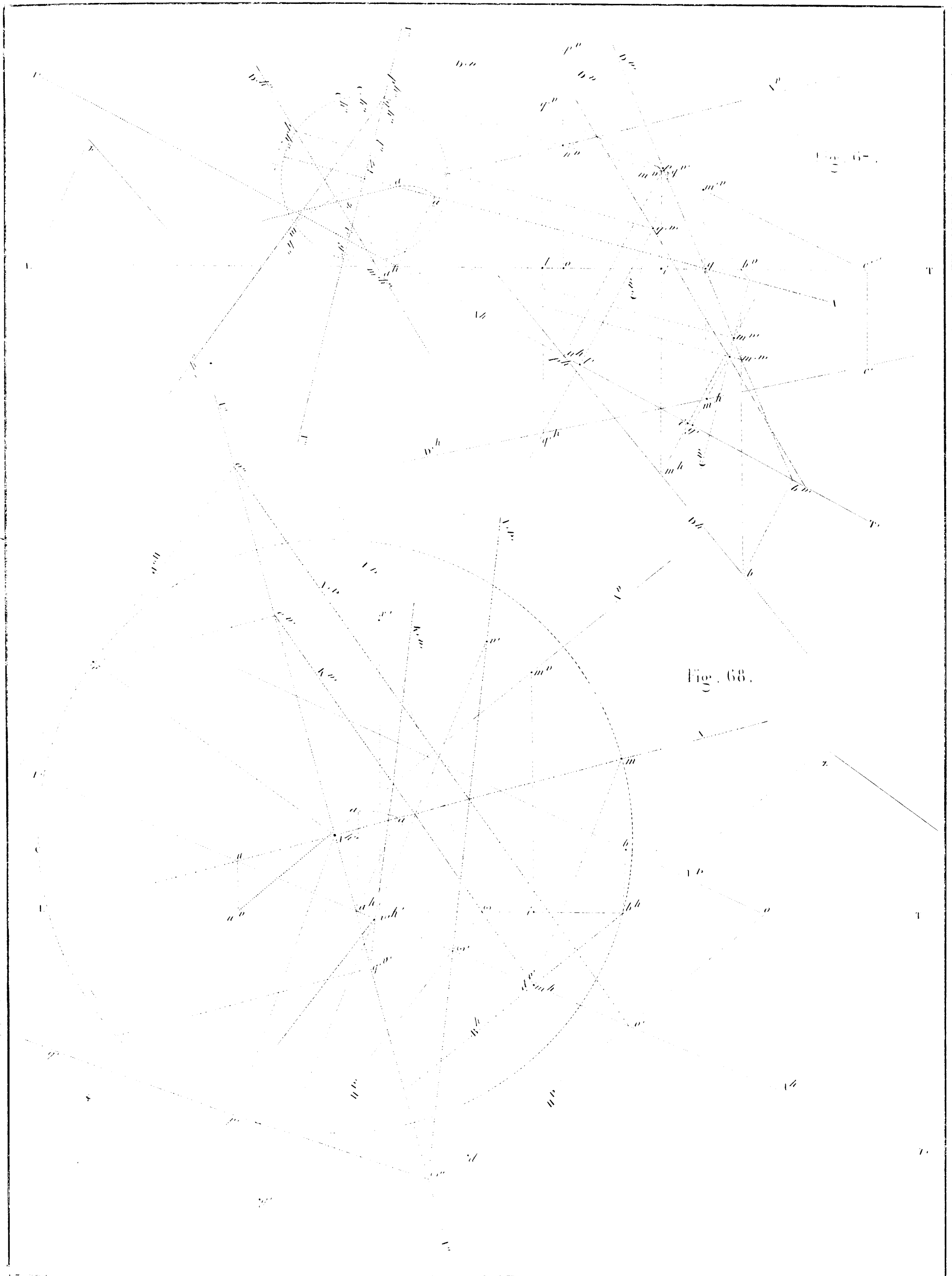


Fig. 68.

Fig. 69

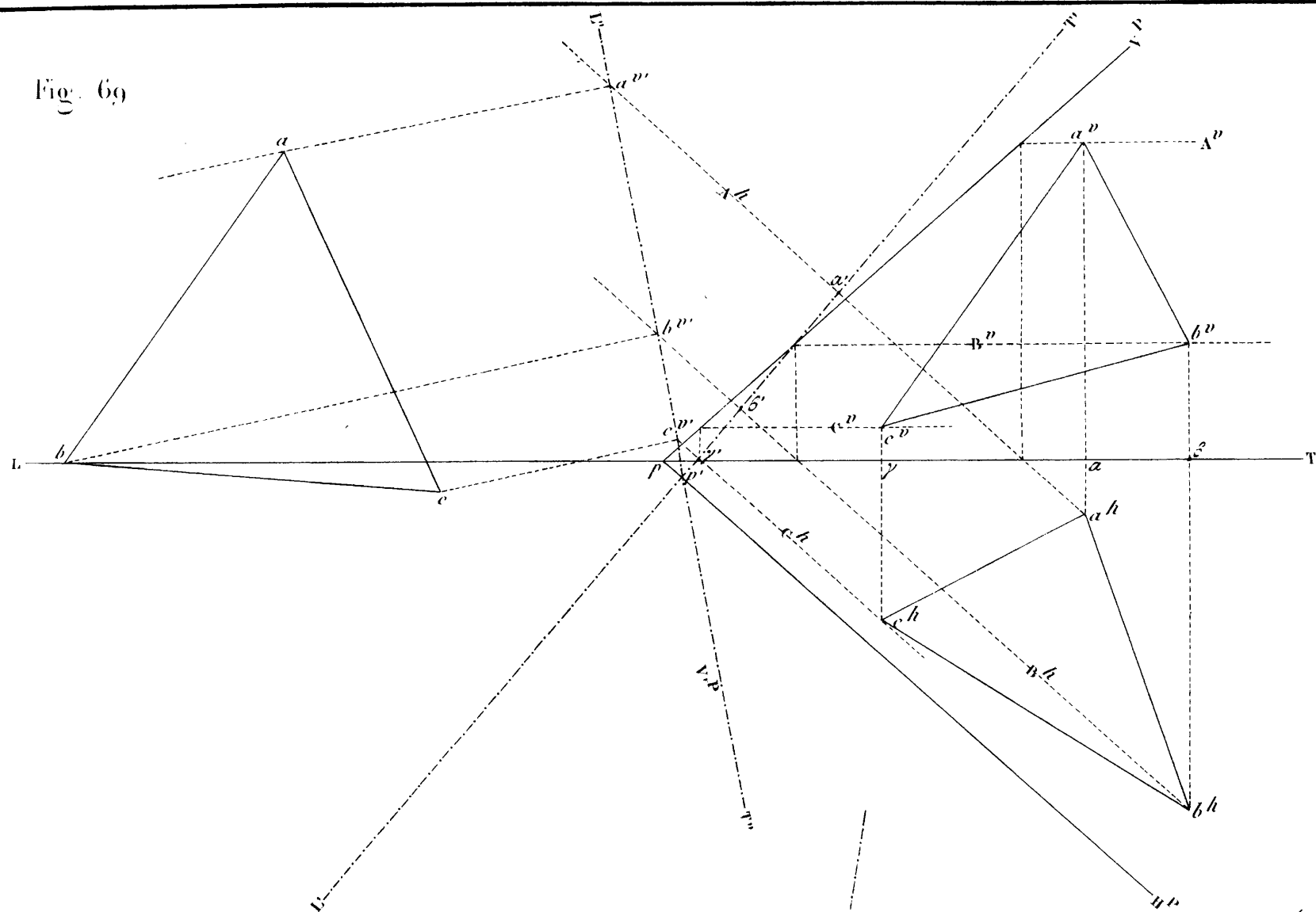


Fig. 70

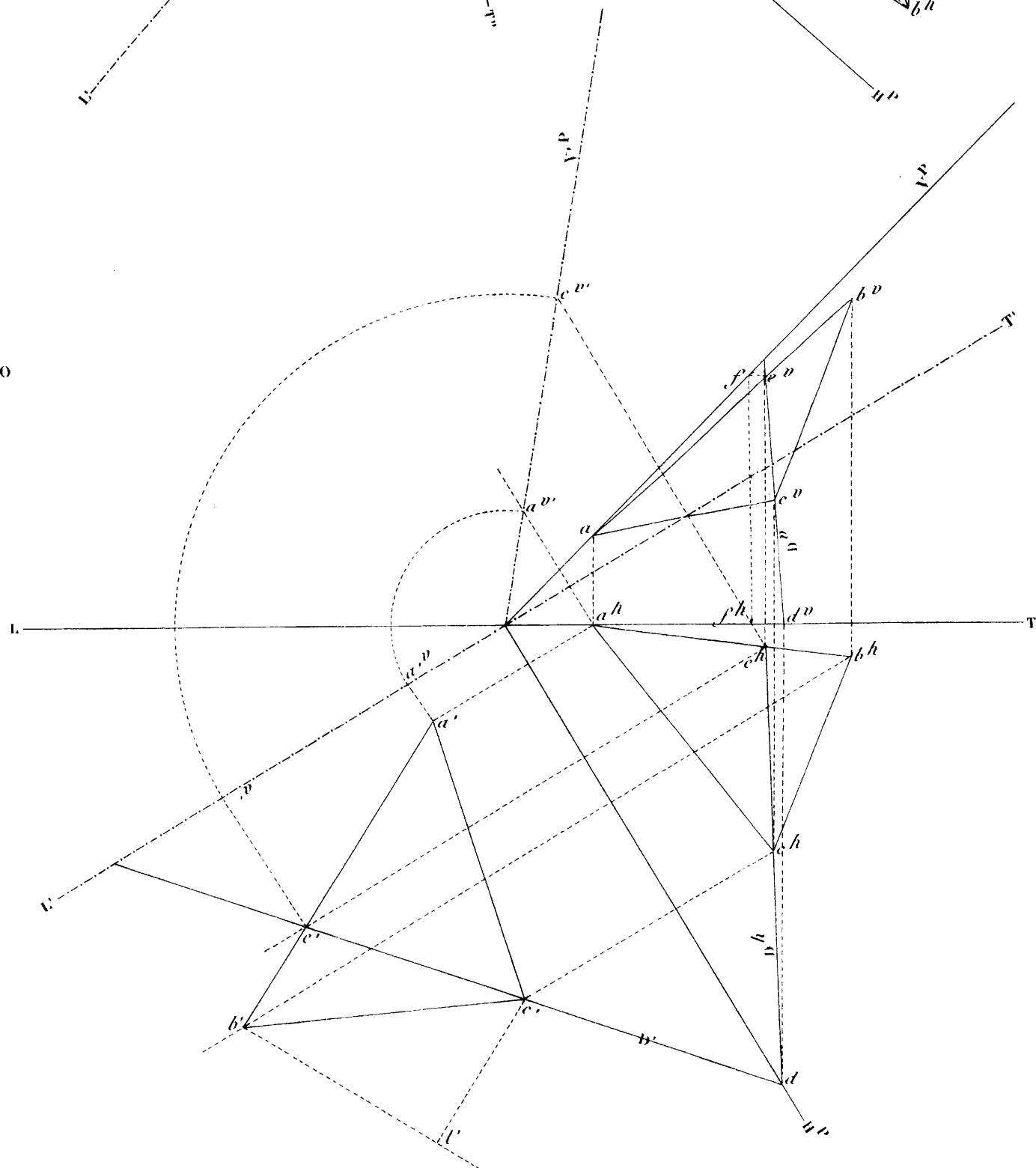


Fig. 71

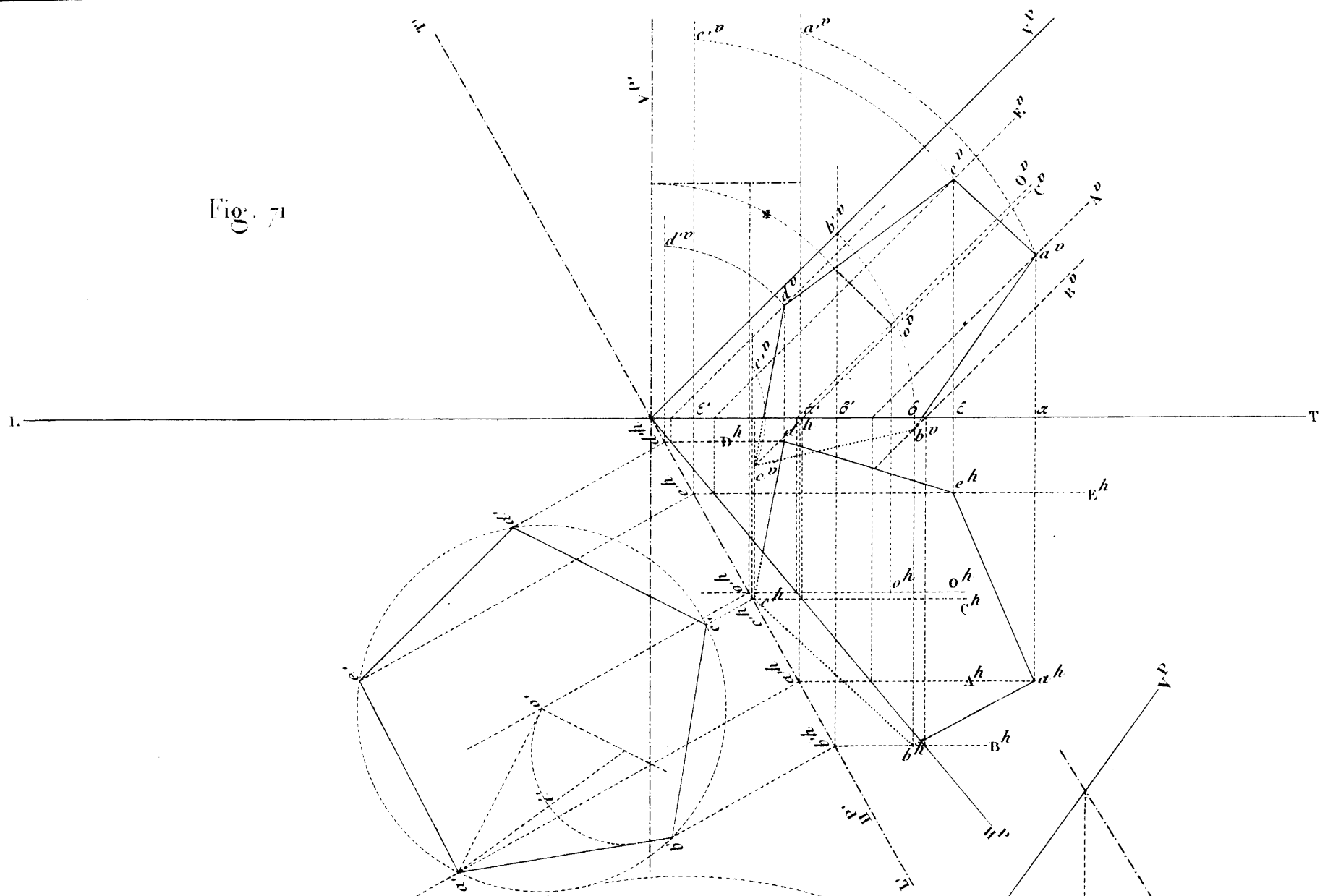
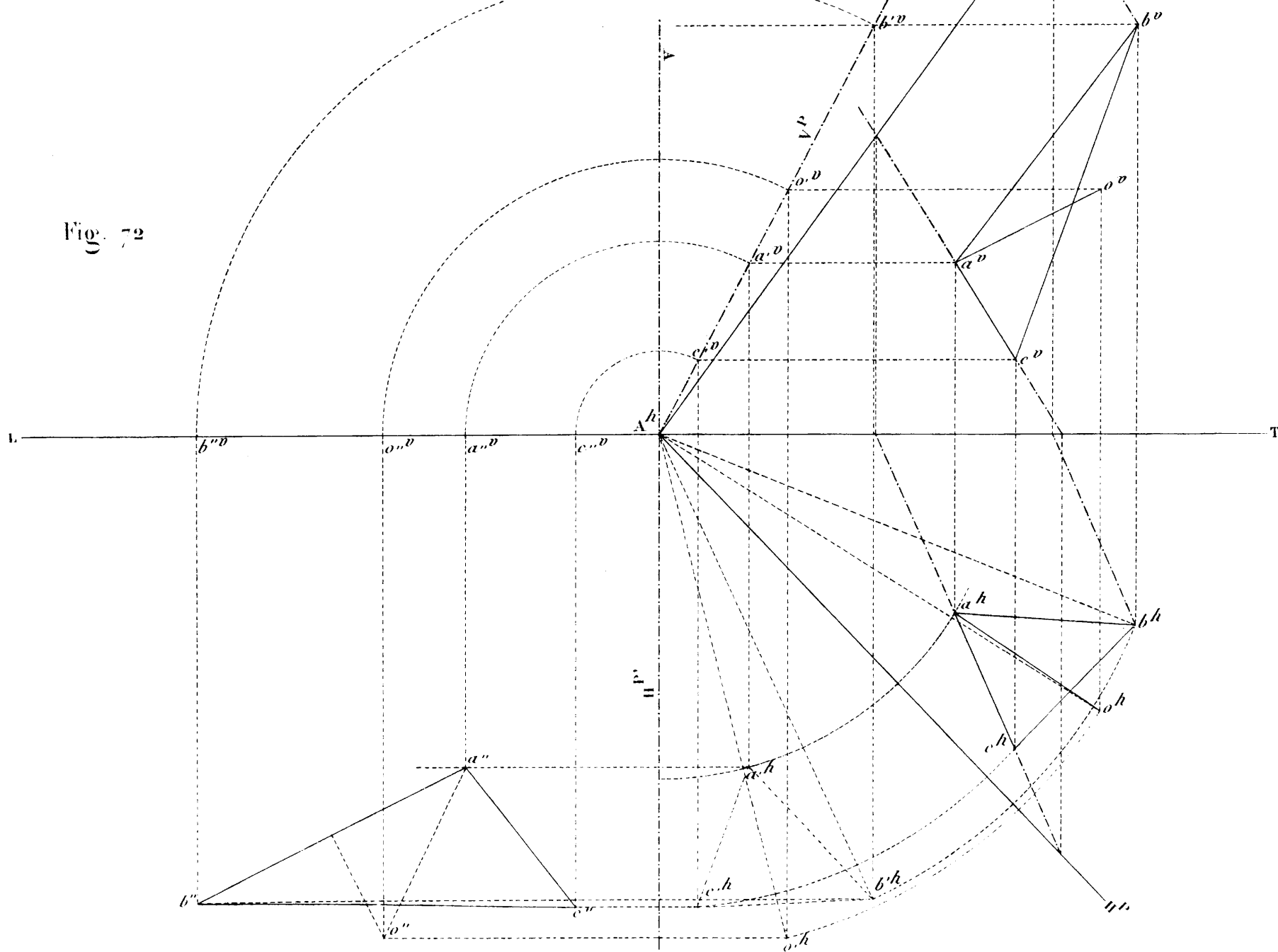


Fig. 72



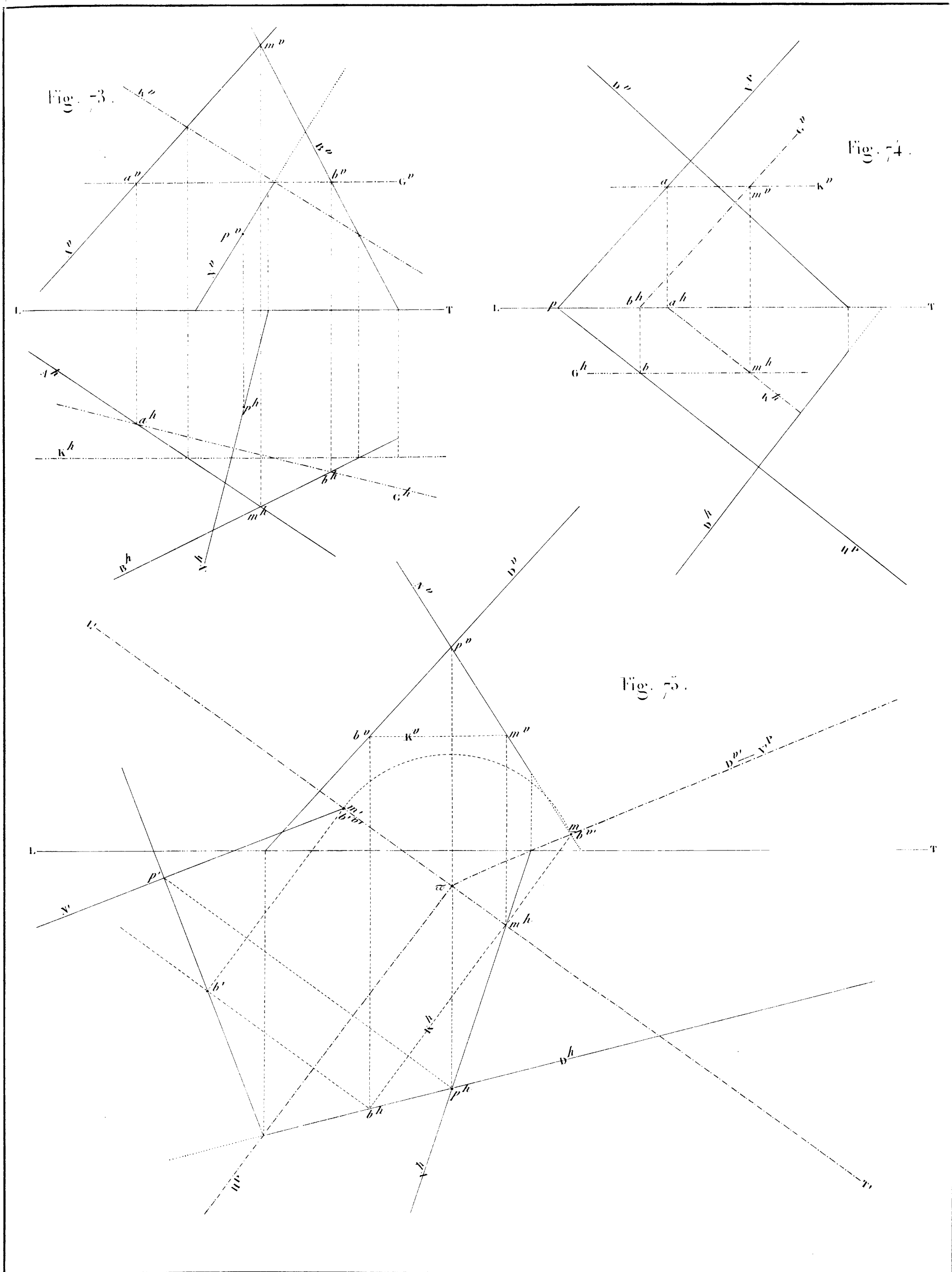


Fig. 76 .

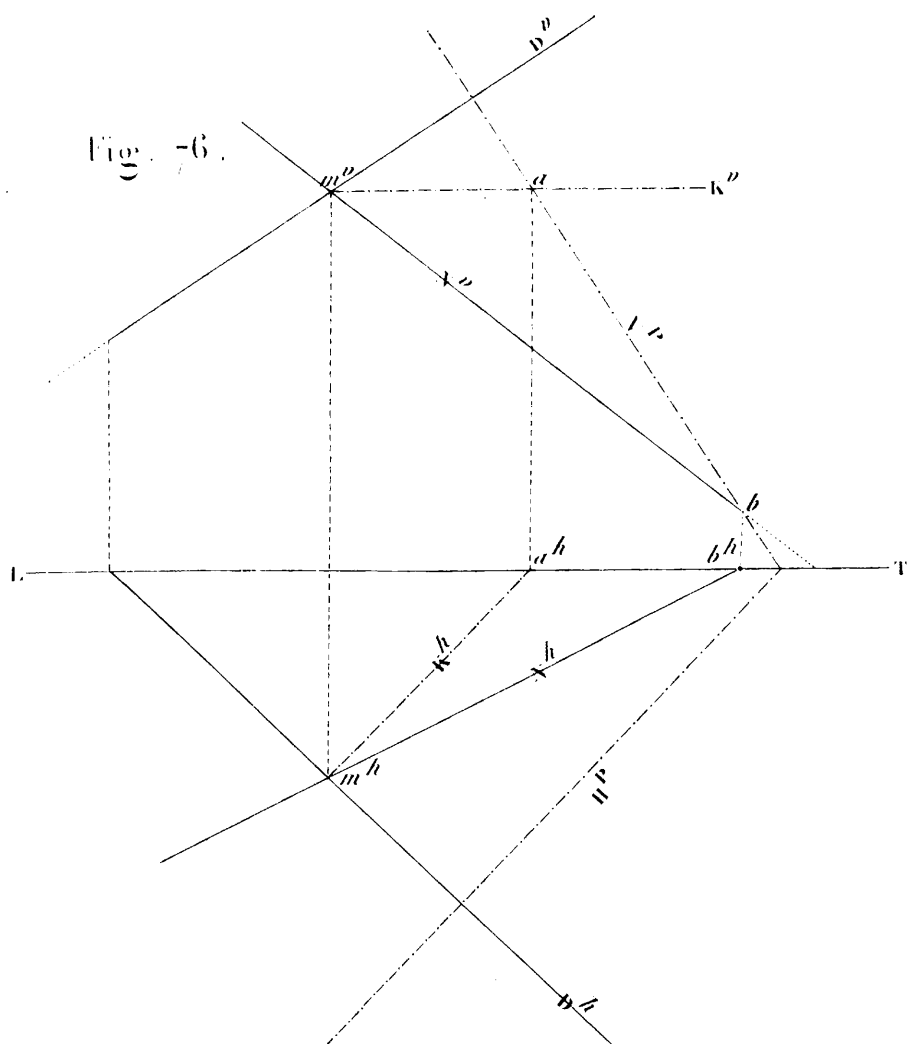


Fig. 77 .

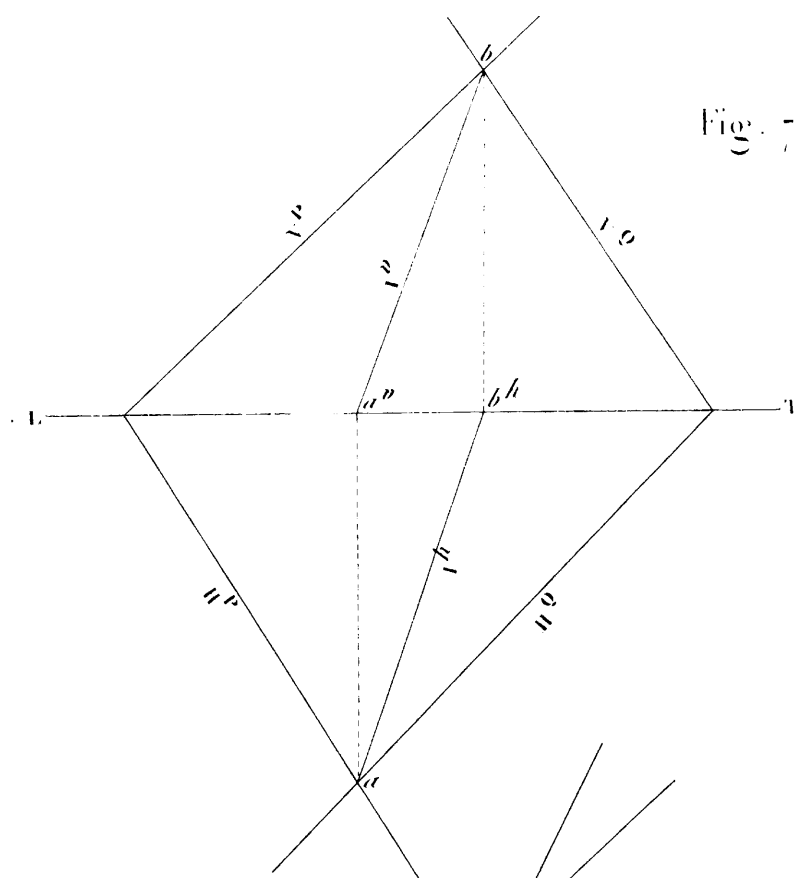


Fig. 78 .

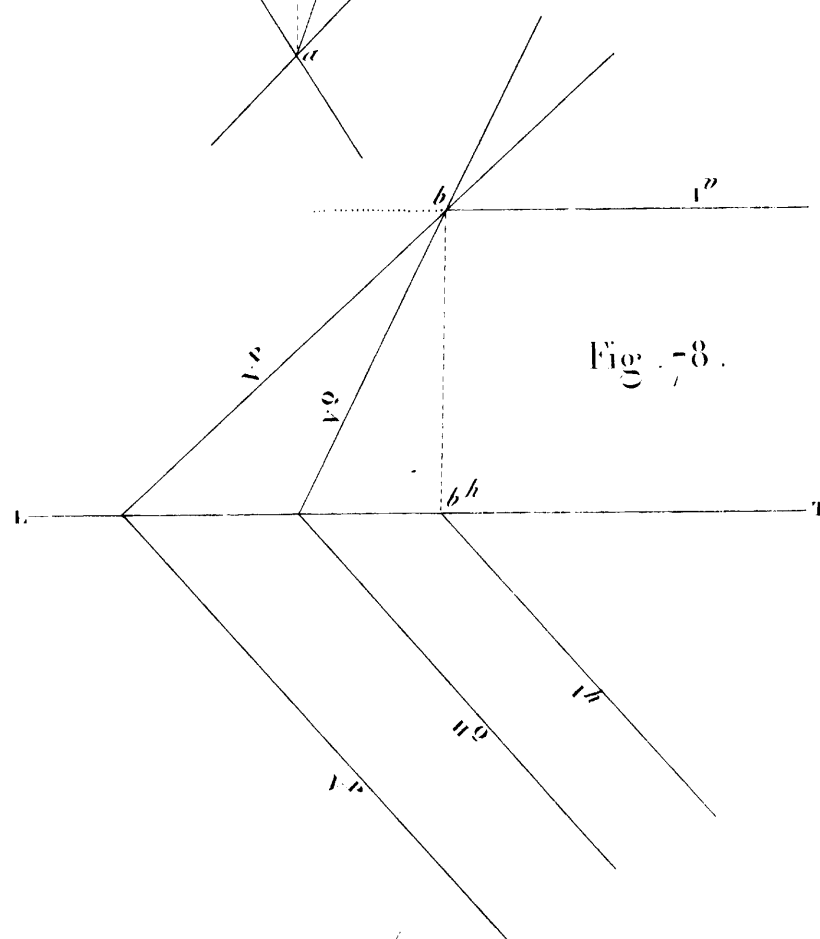


Fig. 79 .

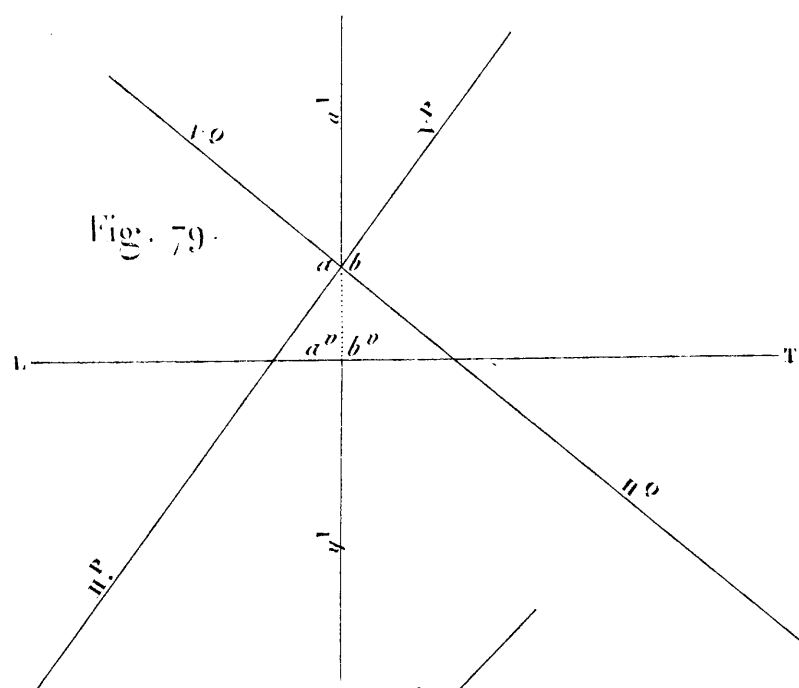


Fig. 80 .

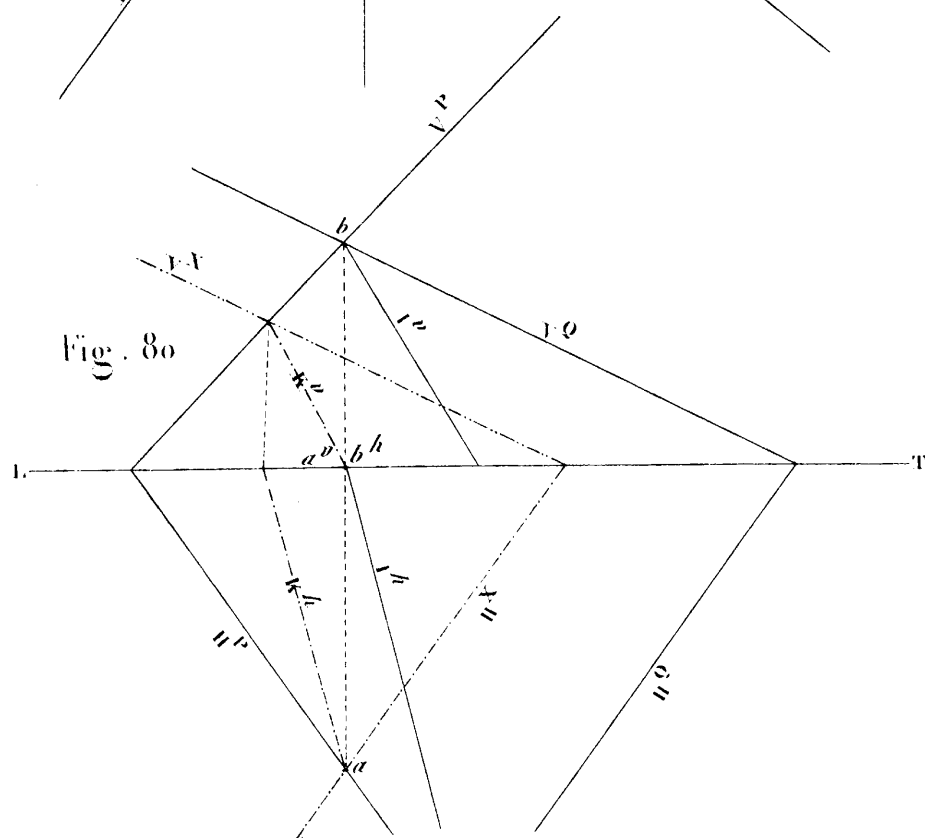


Fig. 81 .

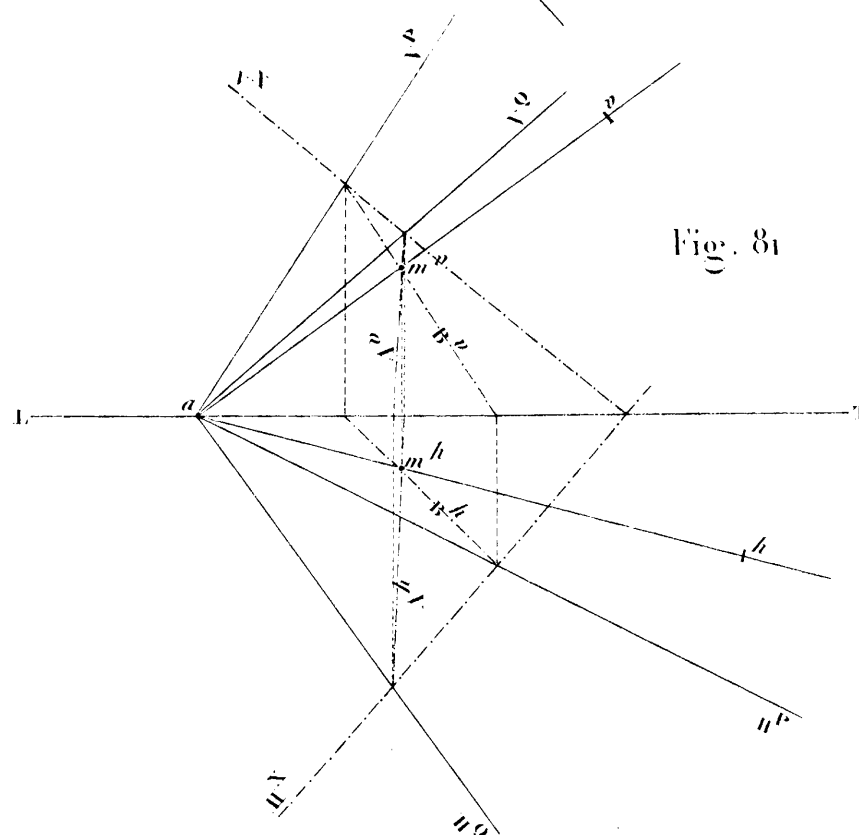


Fig. 82.

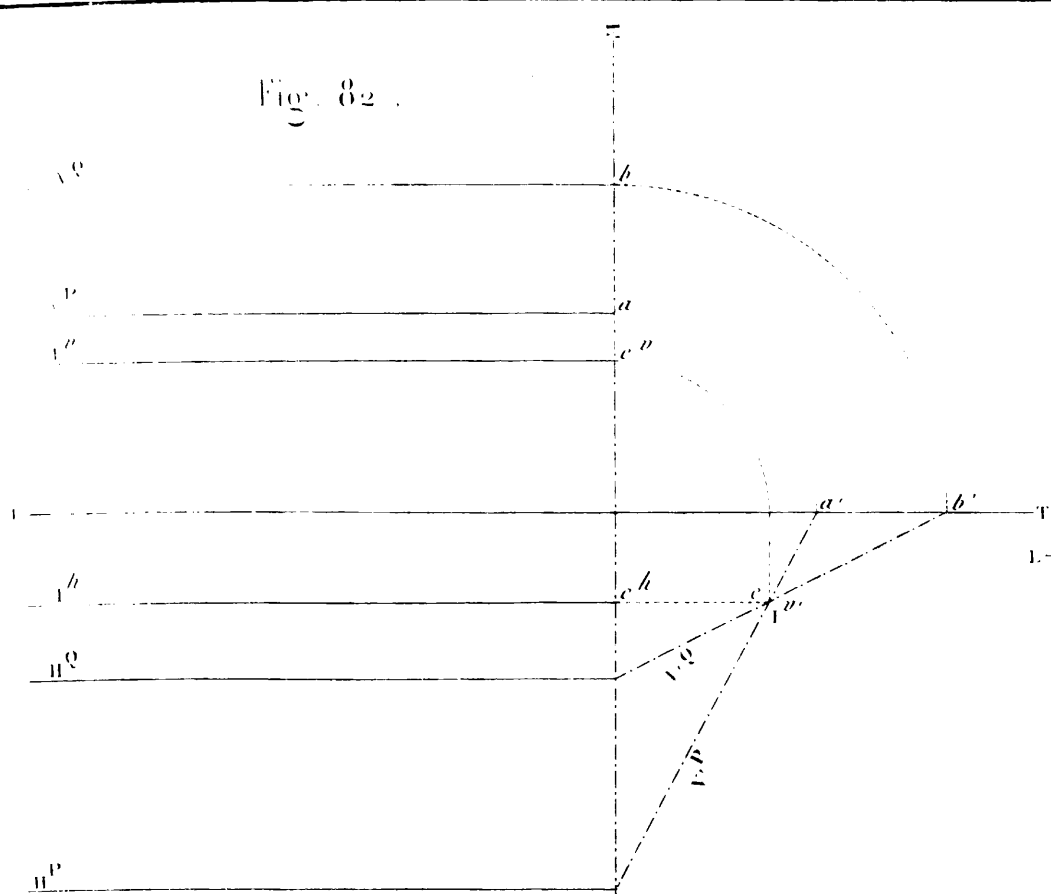


Fig. 83.

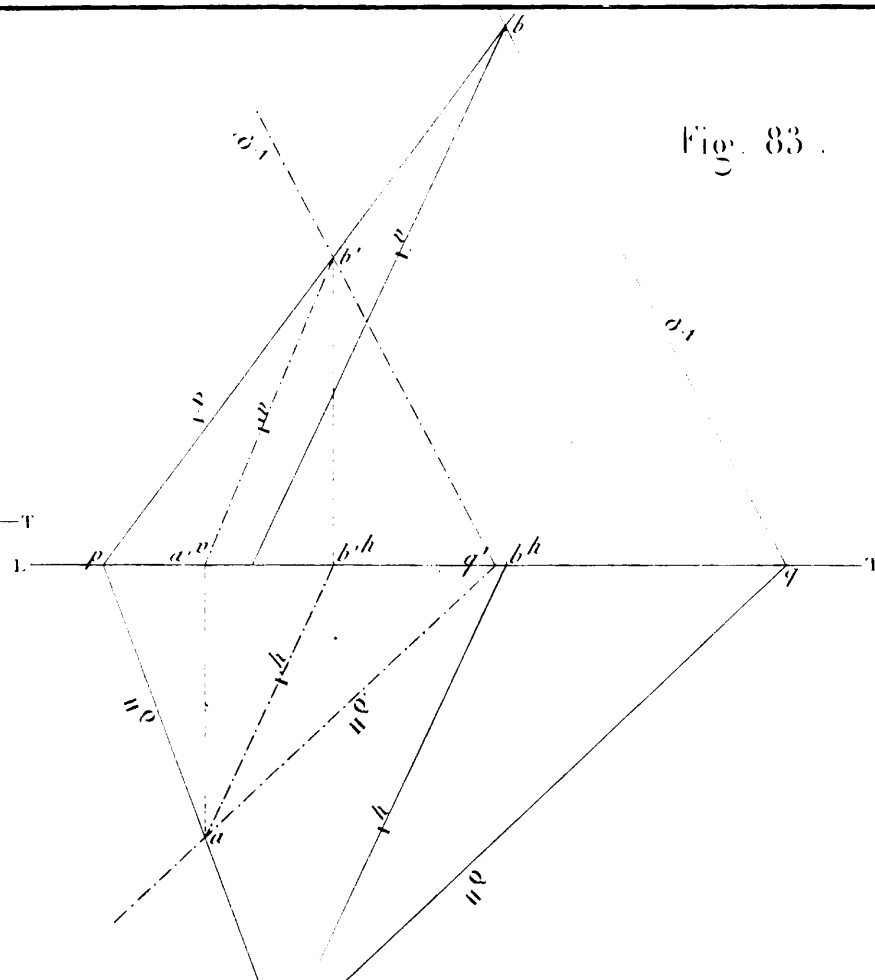


Fig. 84.

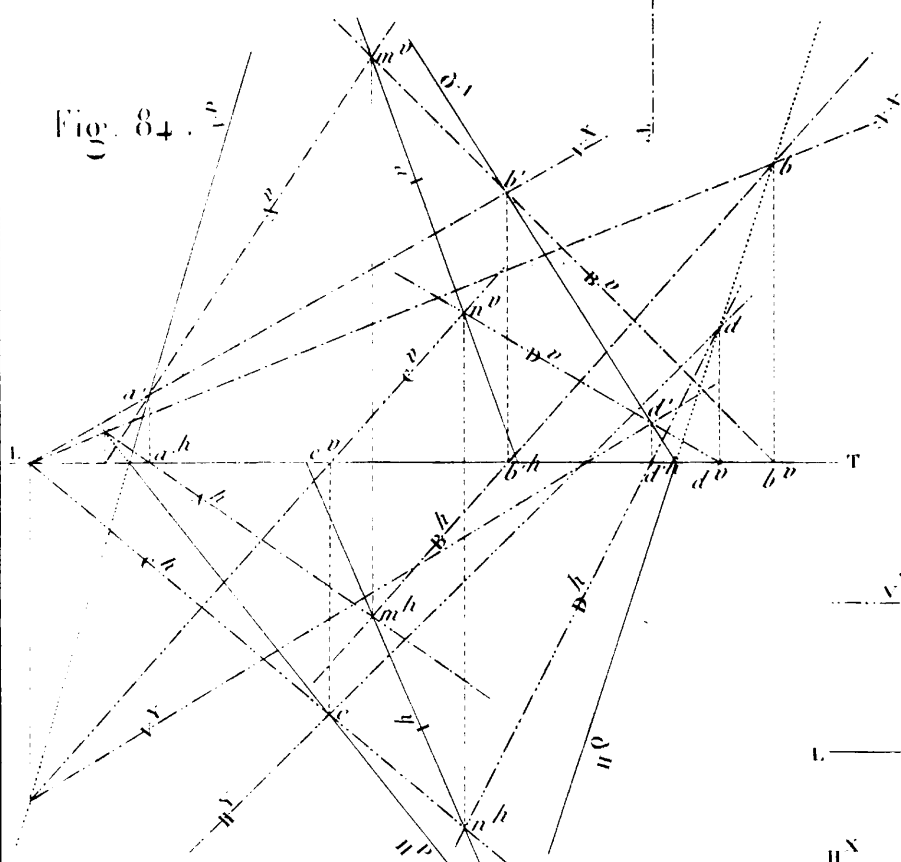


Fig. 86.

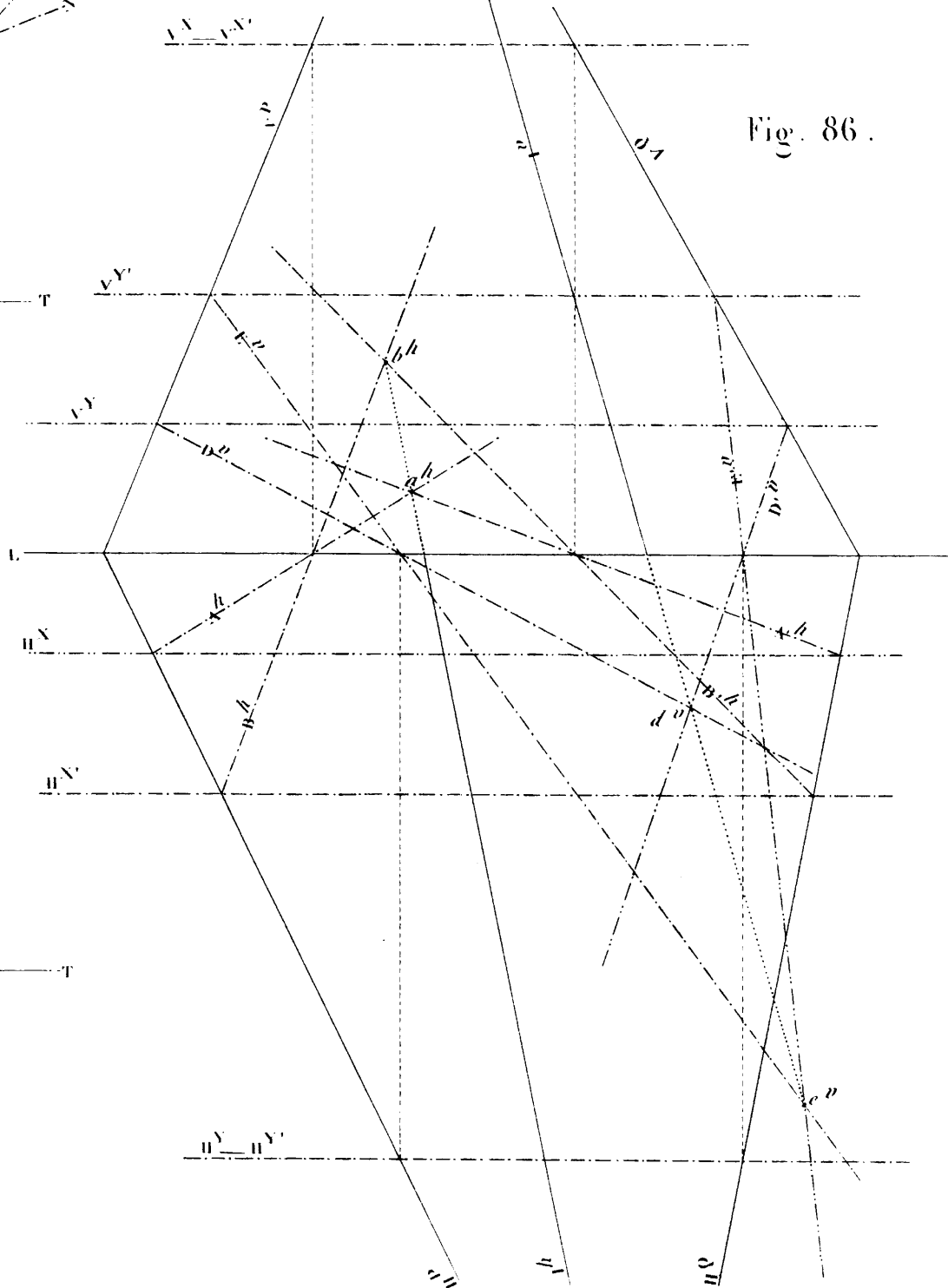
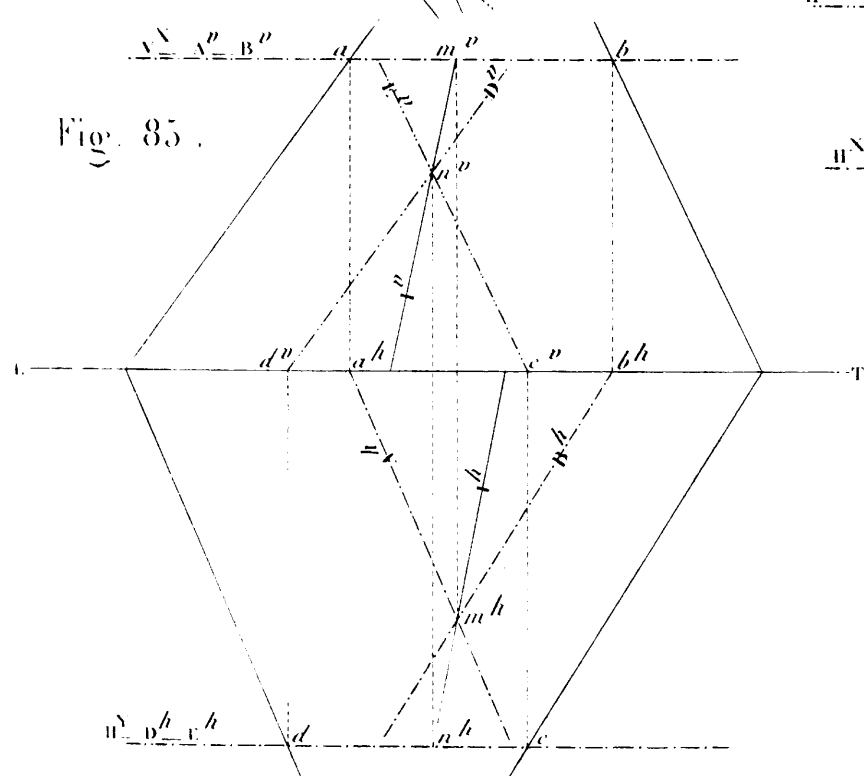


Fig. 85.



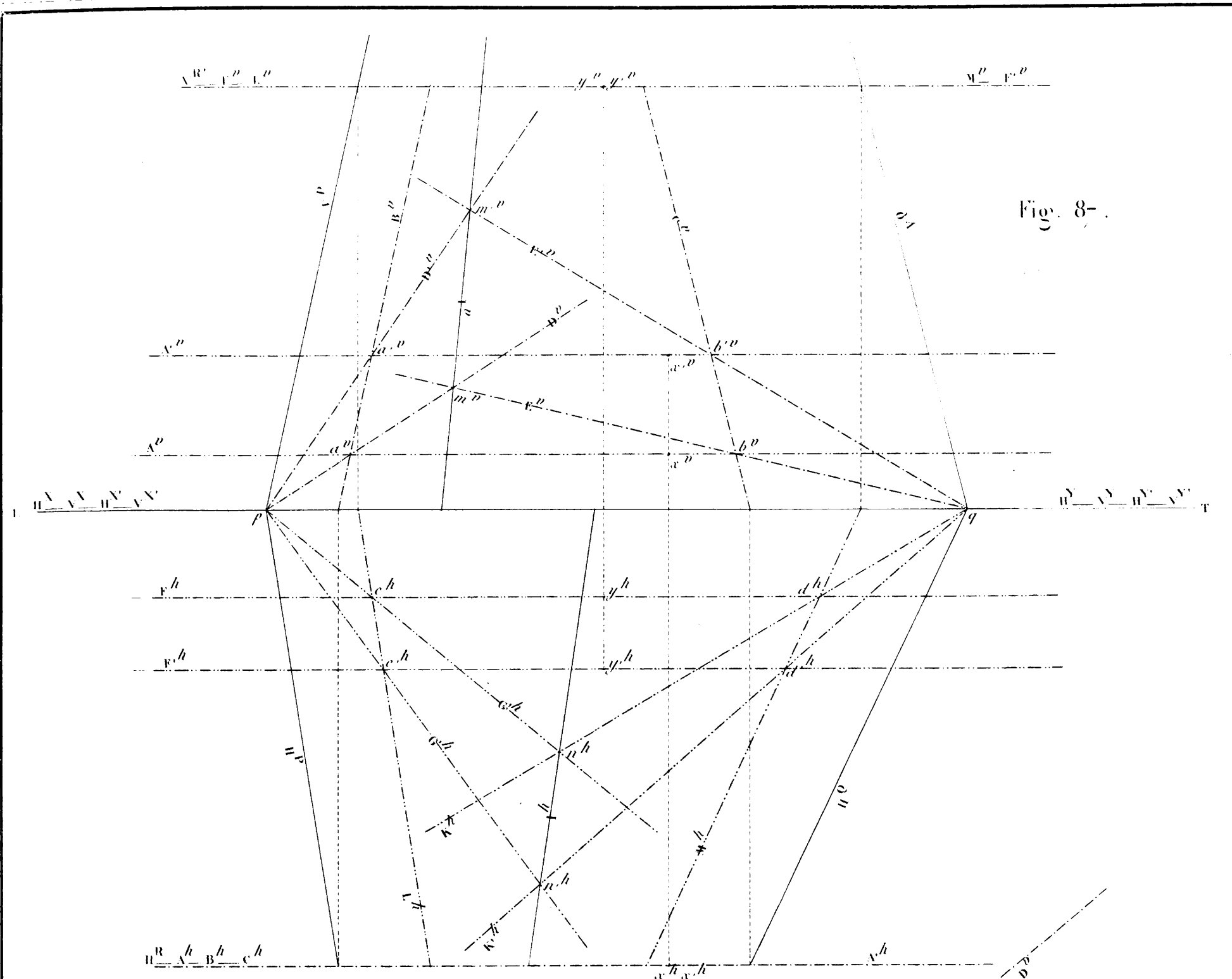


Fig. 87.

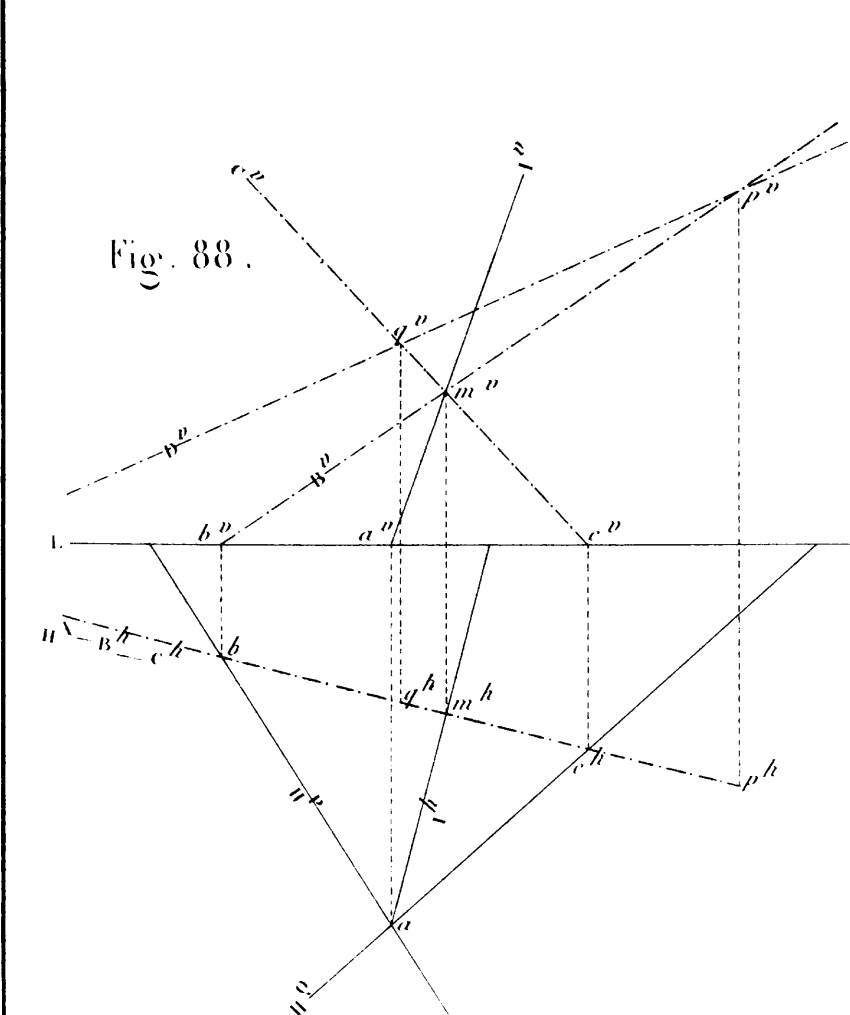


Fig. 88.

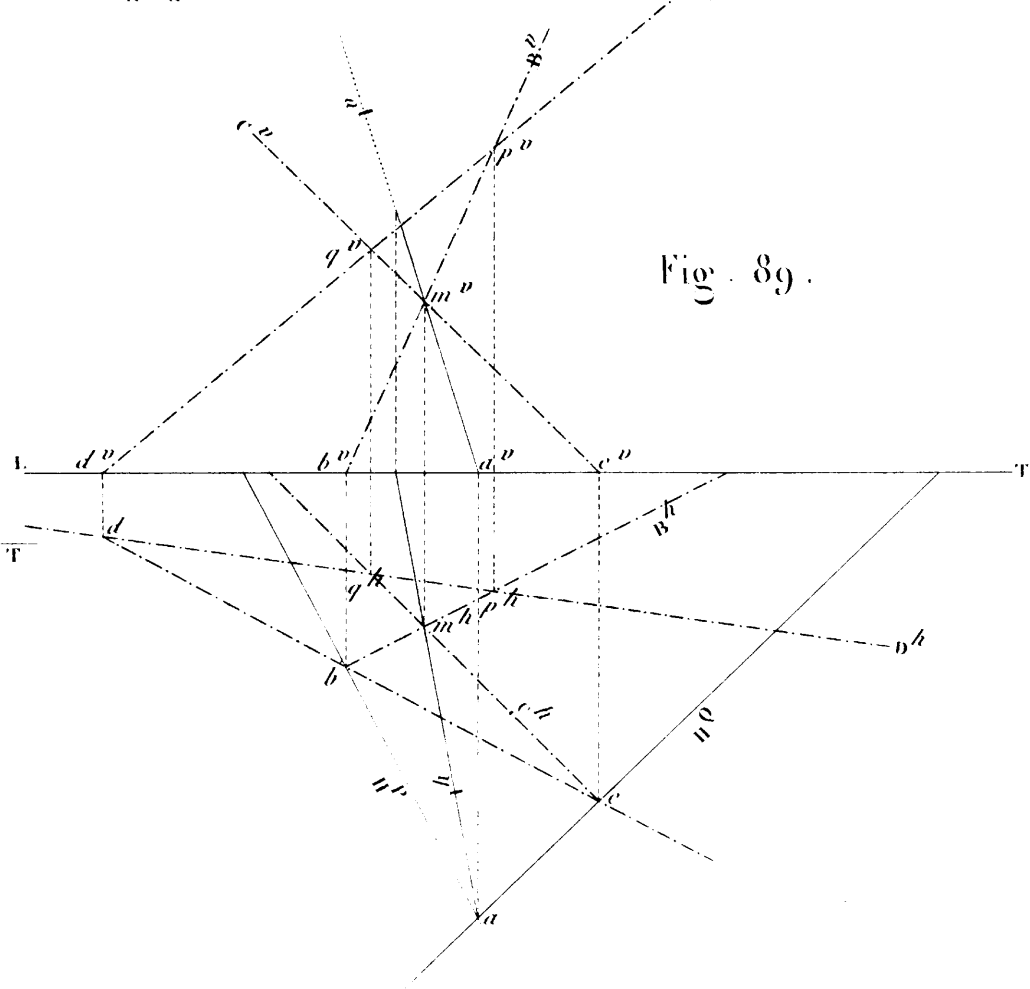


Fig. 89.

Fig. 90.

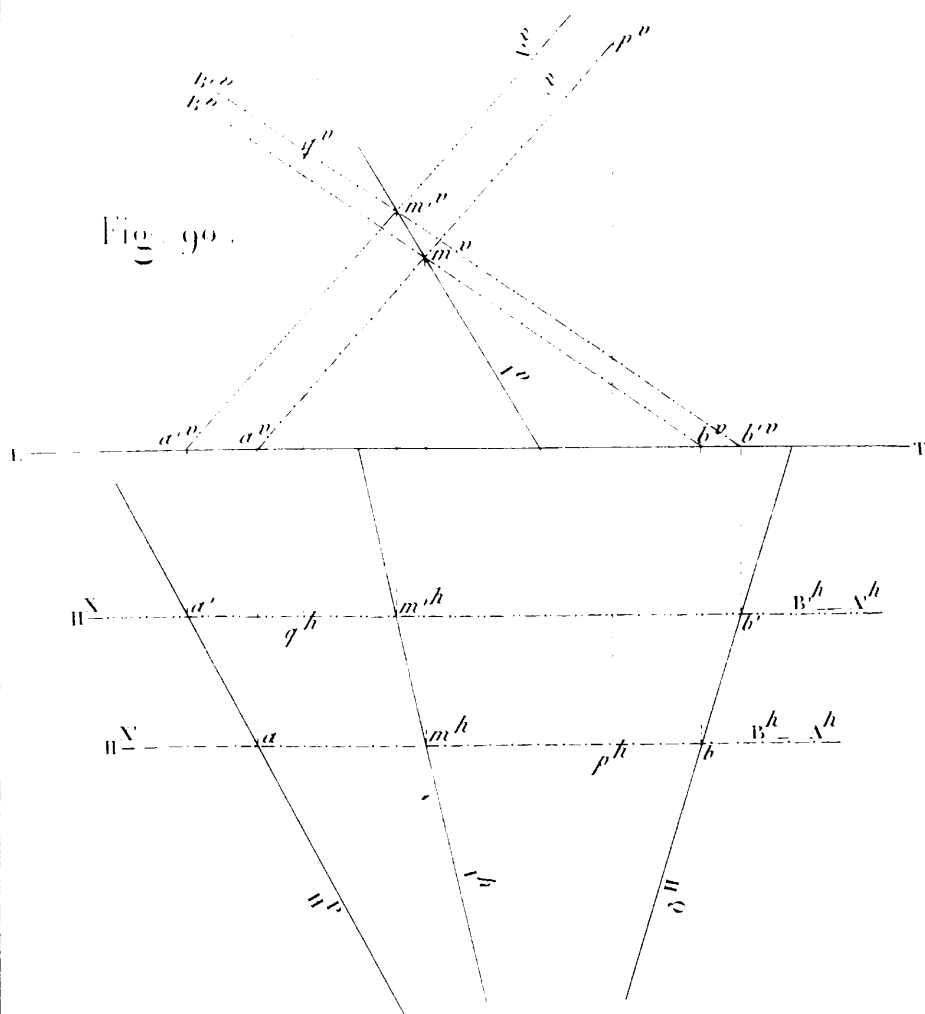


Fig. 91.

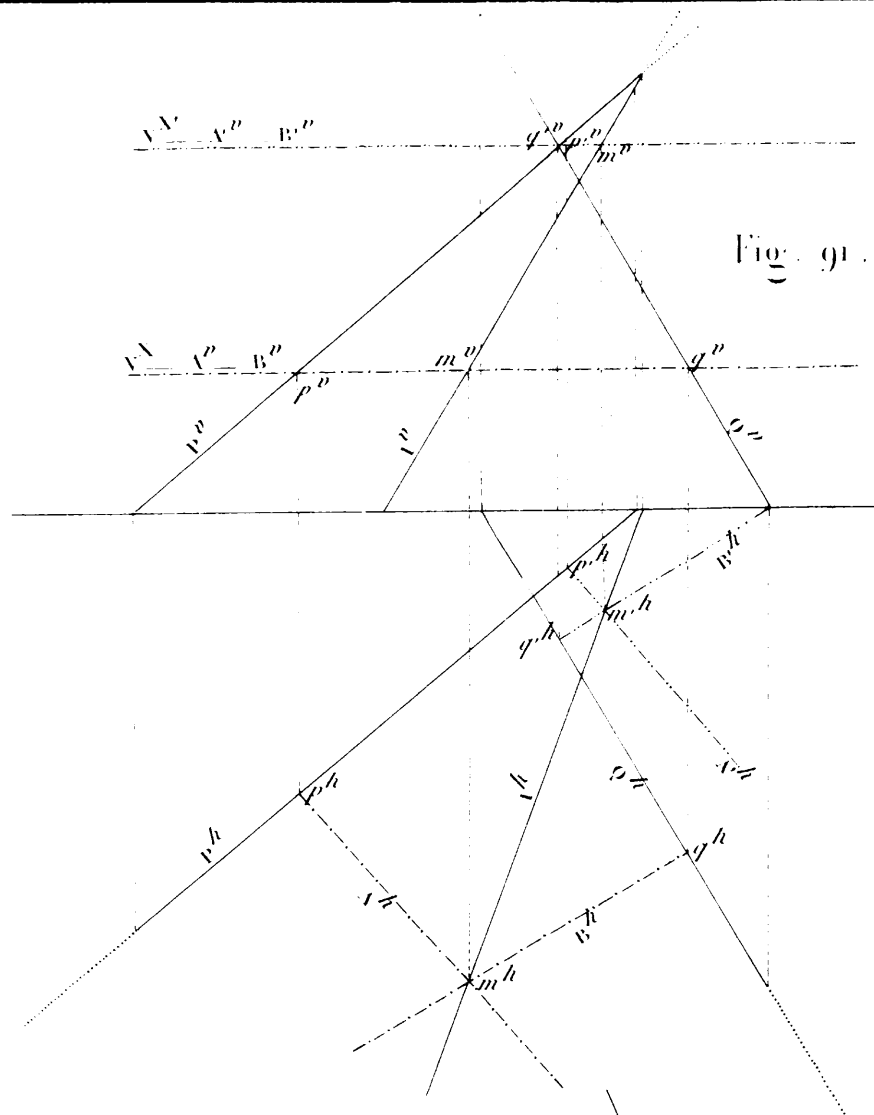


Fig. 92.

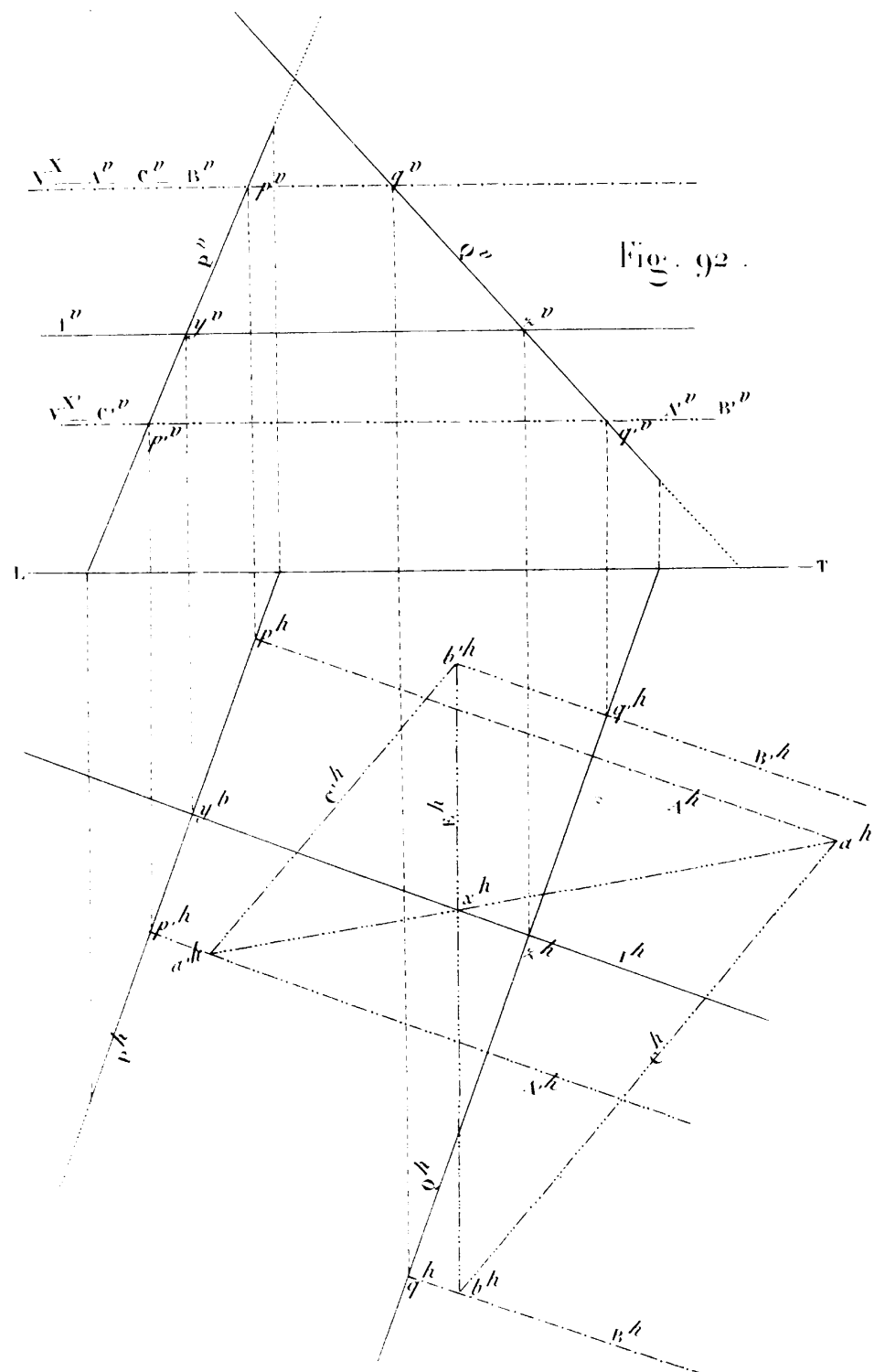


Fig. 93.

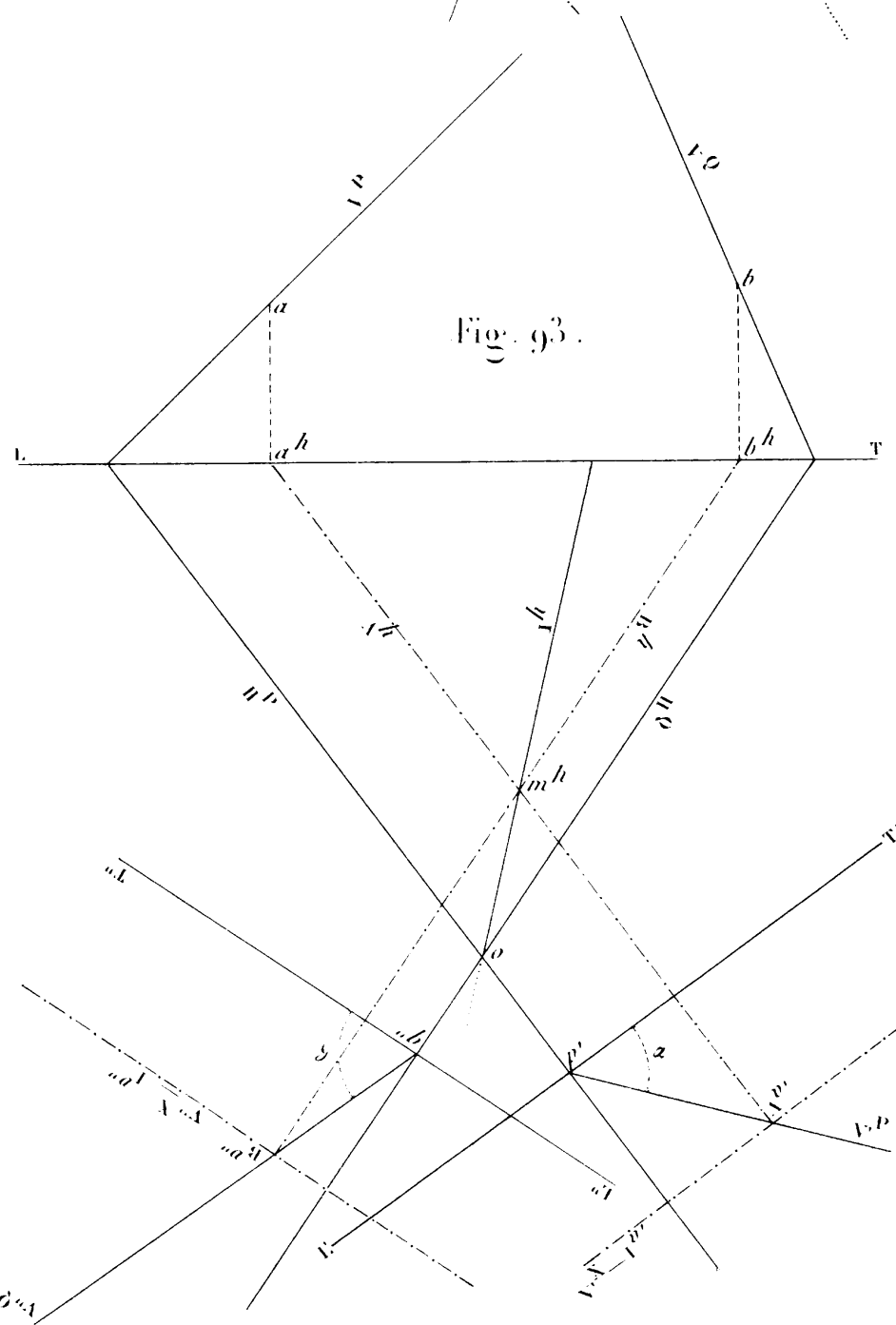


Fig. 9.6

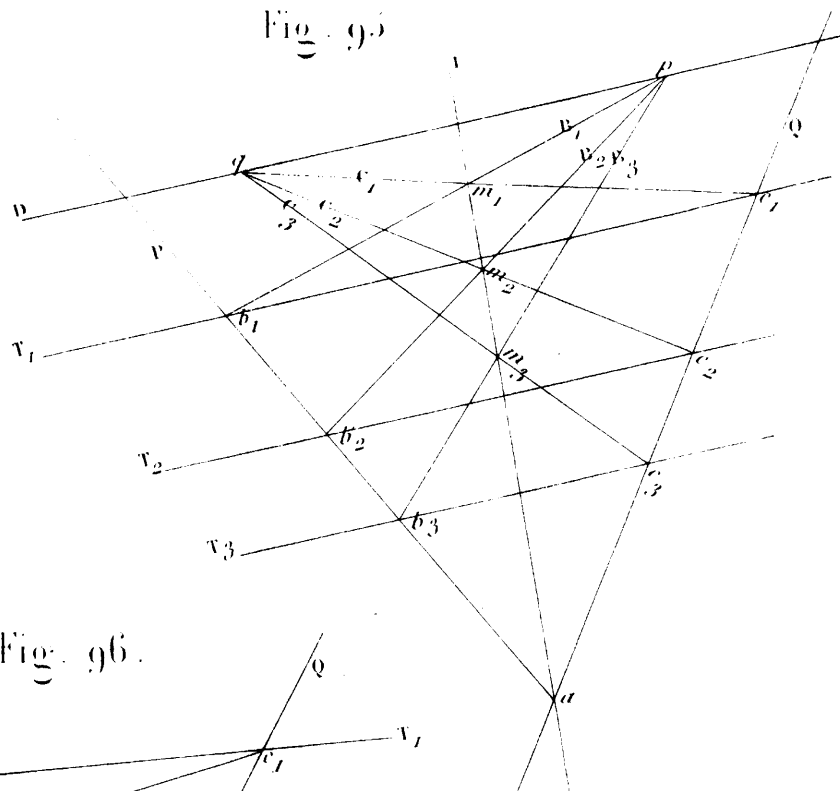
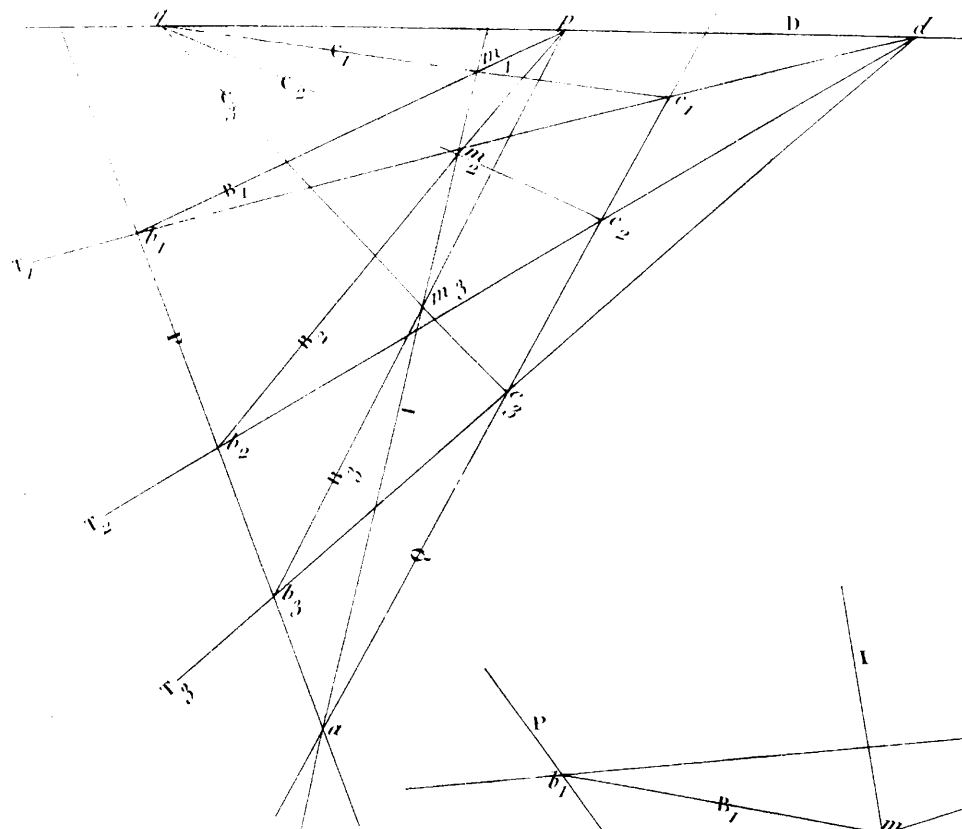


Fig. 96.

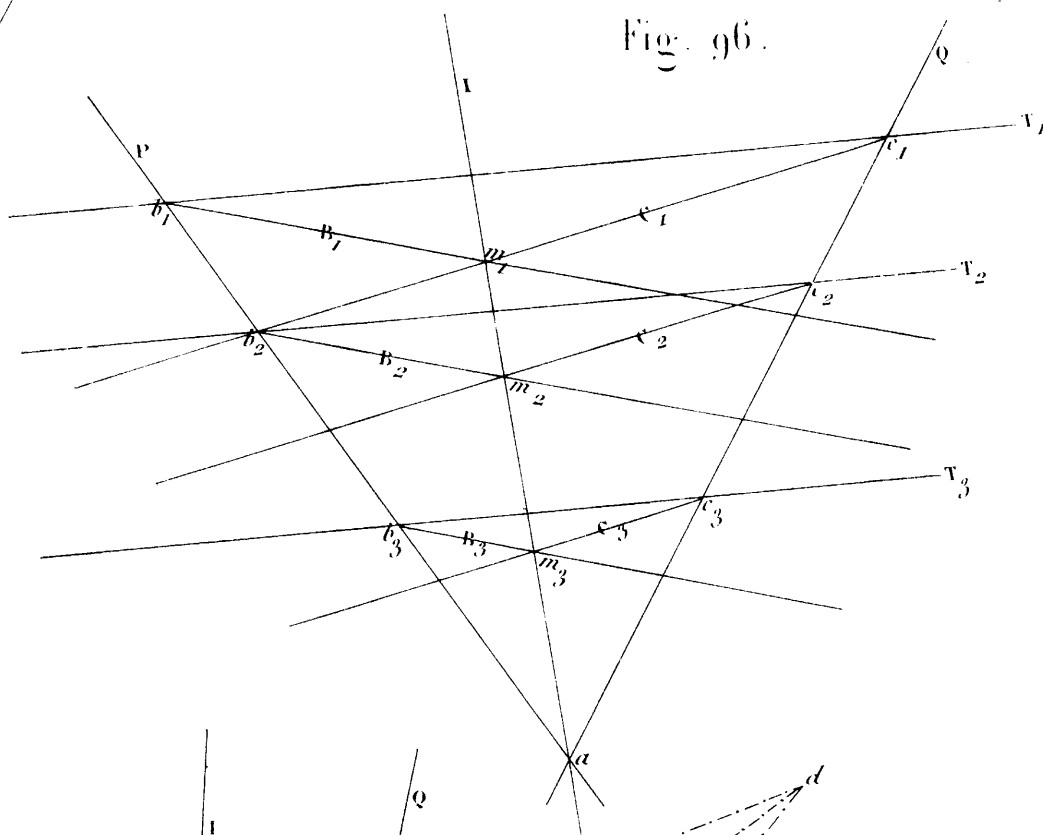


Fig. 97.

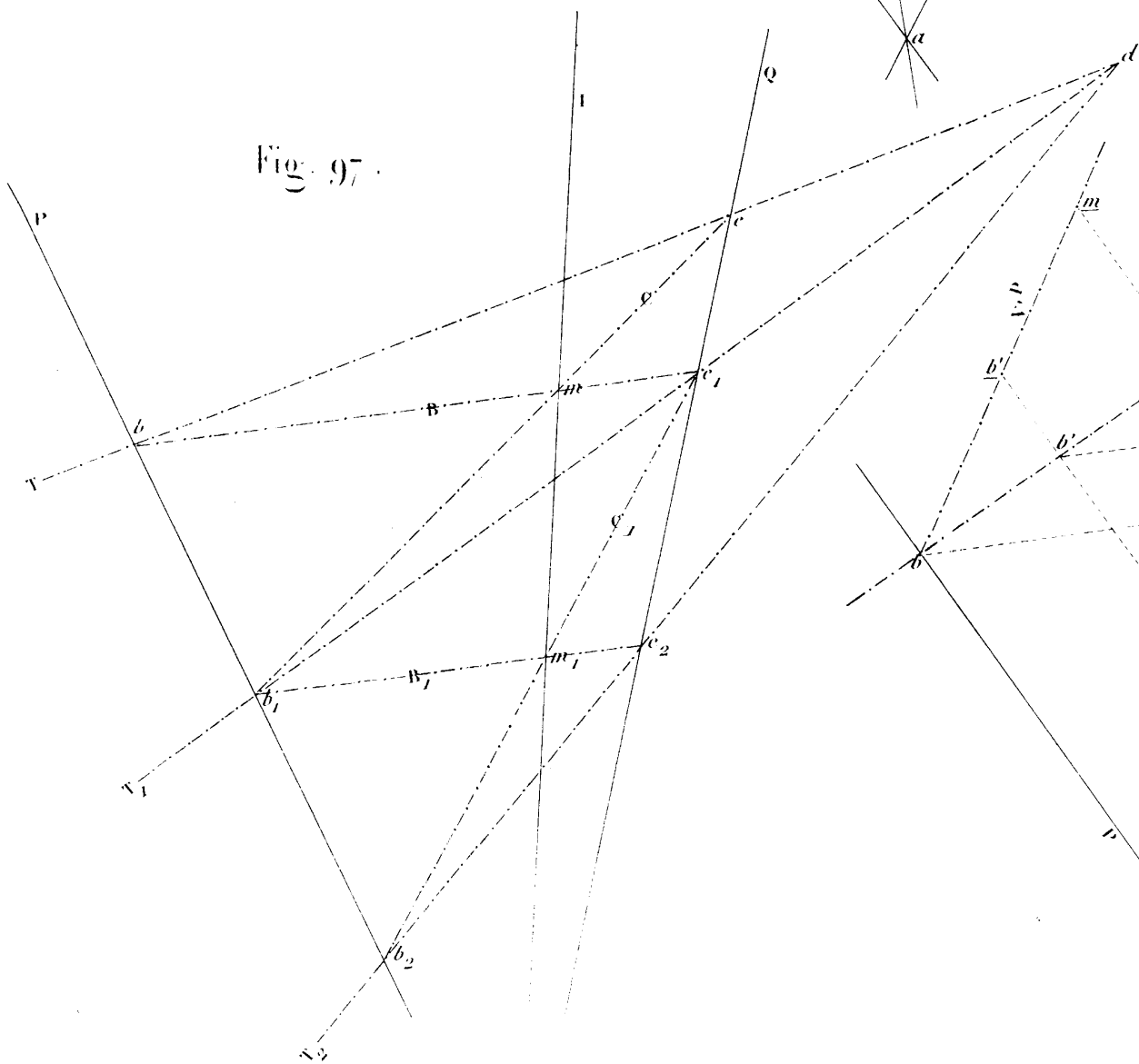


Fig. 98.

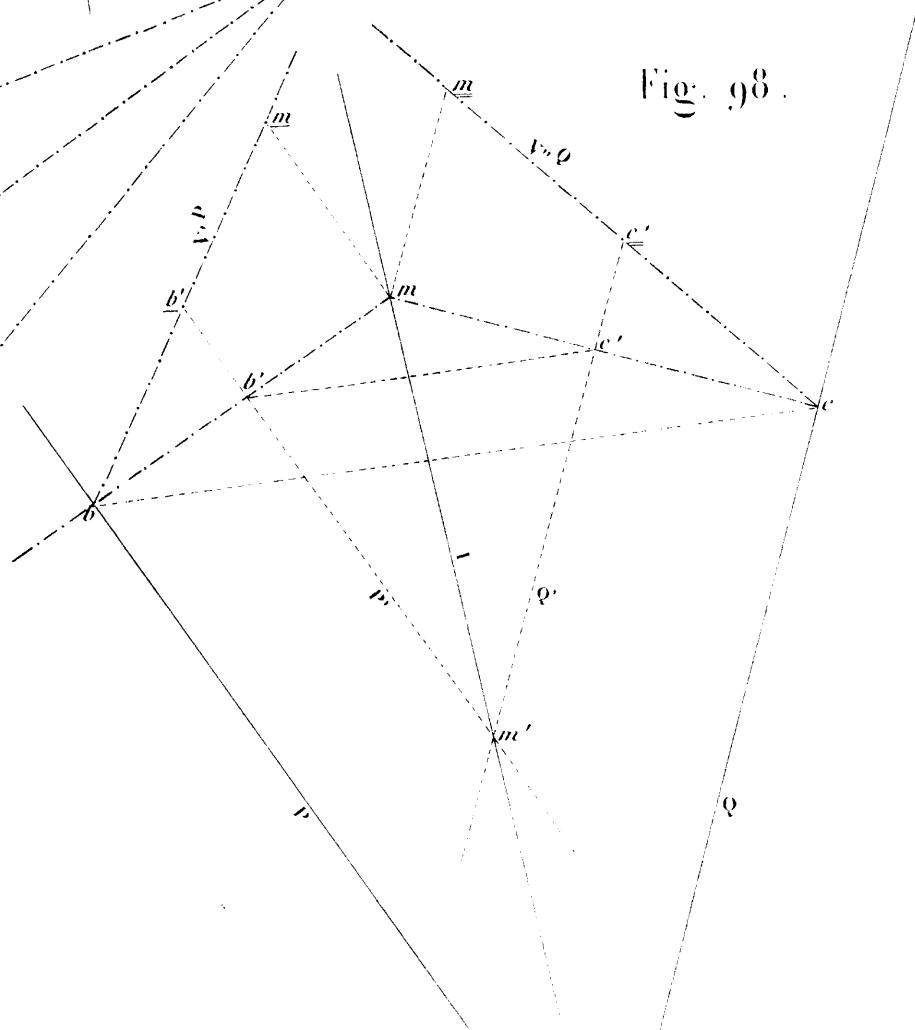




Fig. 103. bis.

Fig. 104.

Fig. 103.

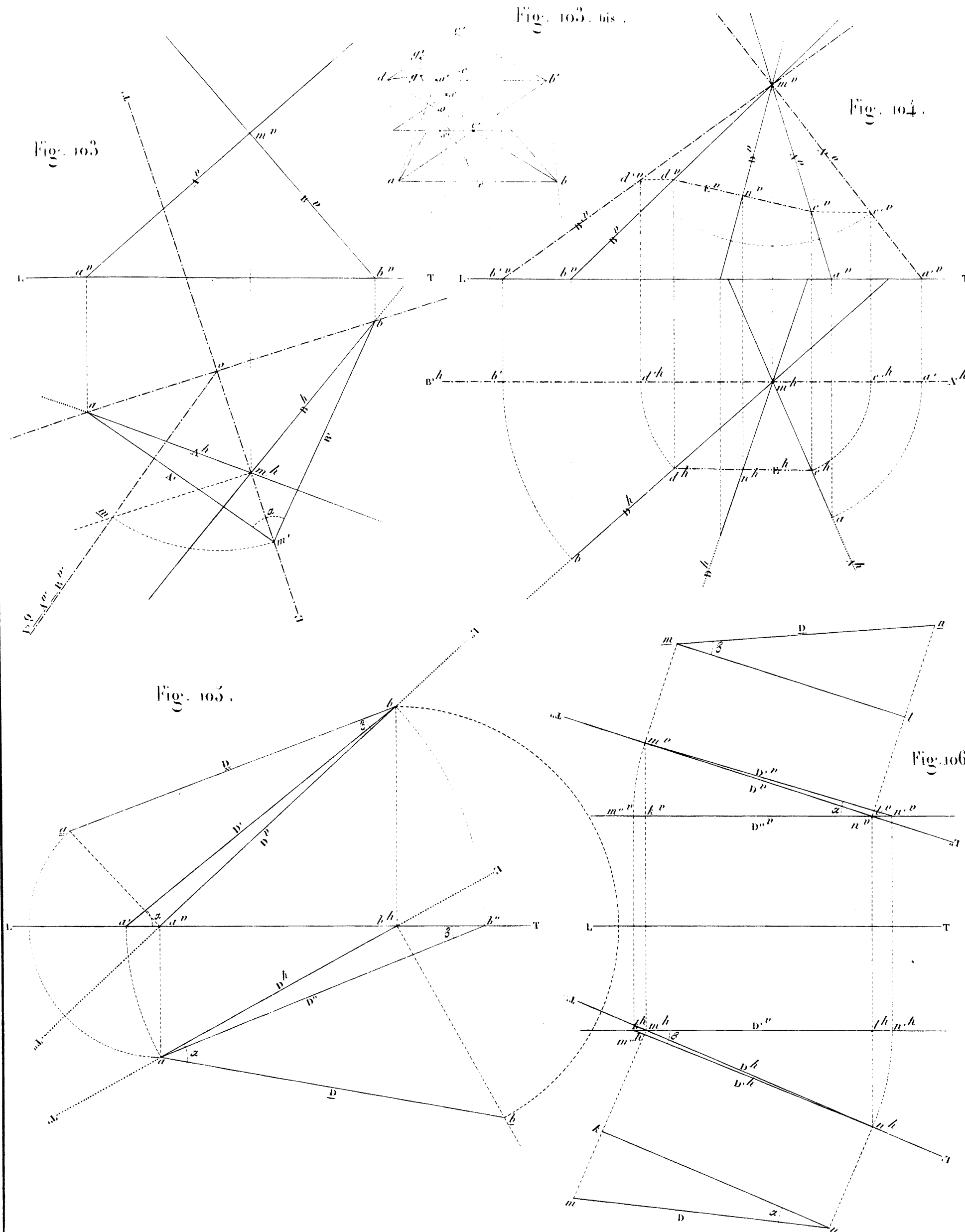


Fig. 107 .

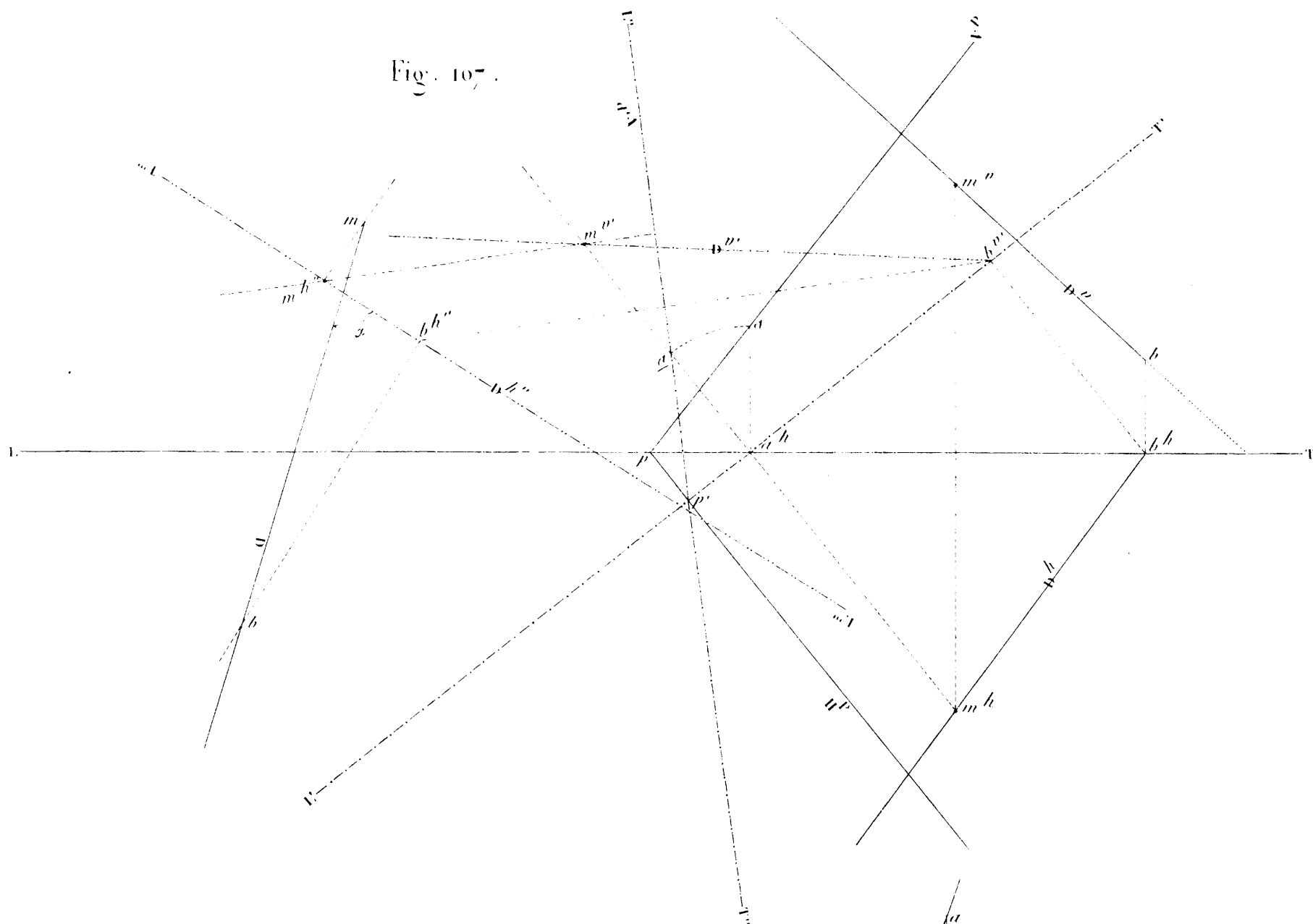
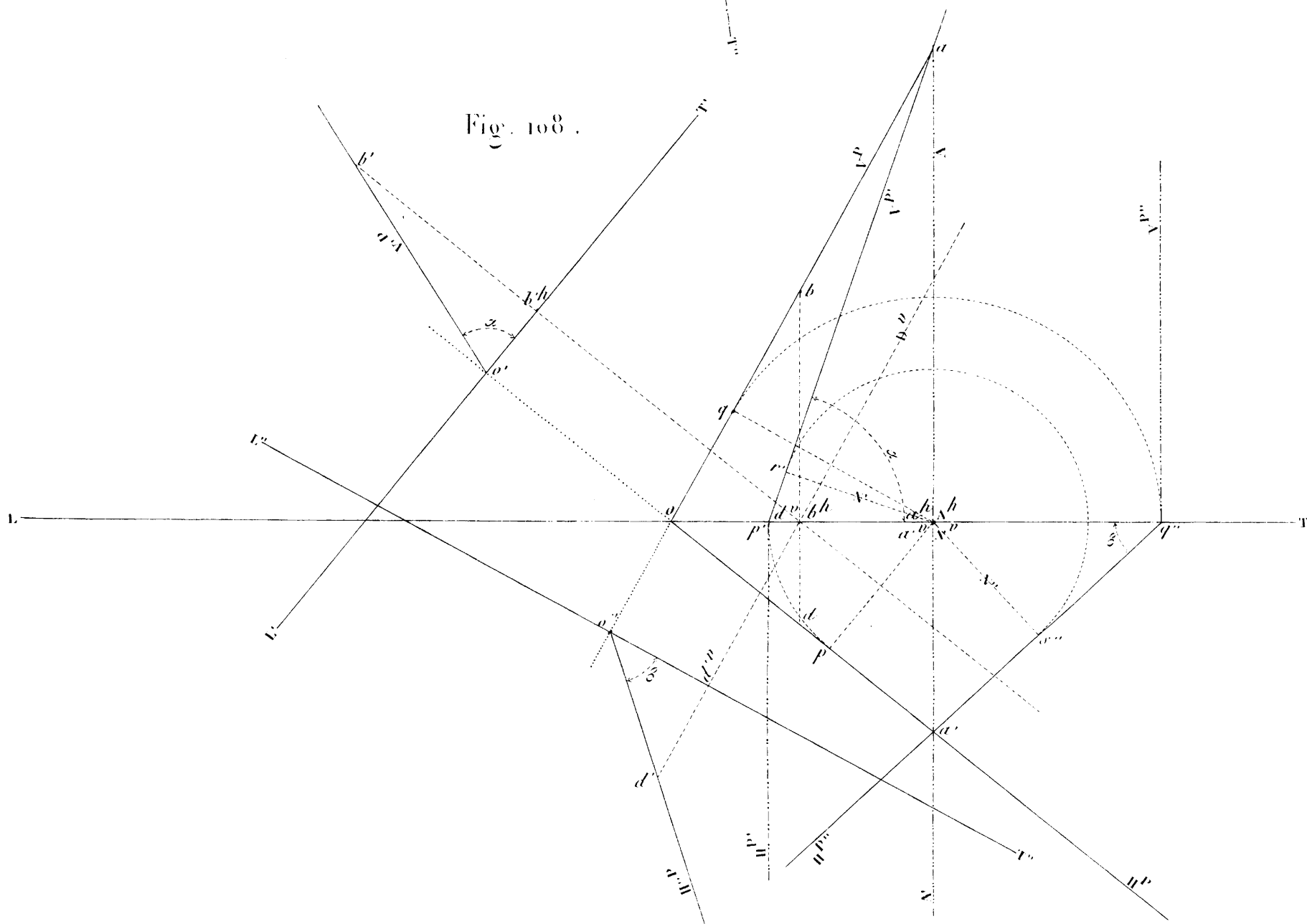
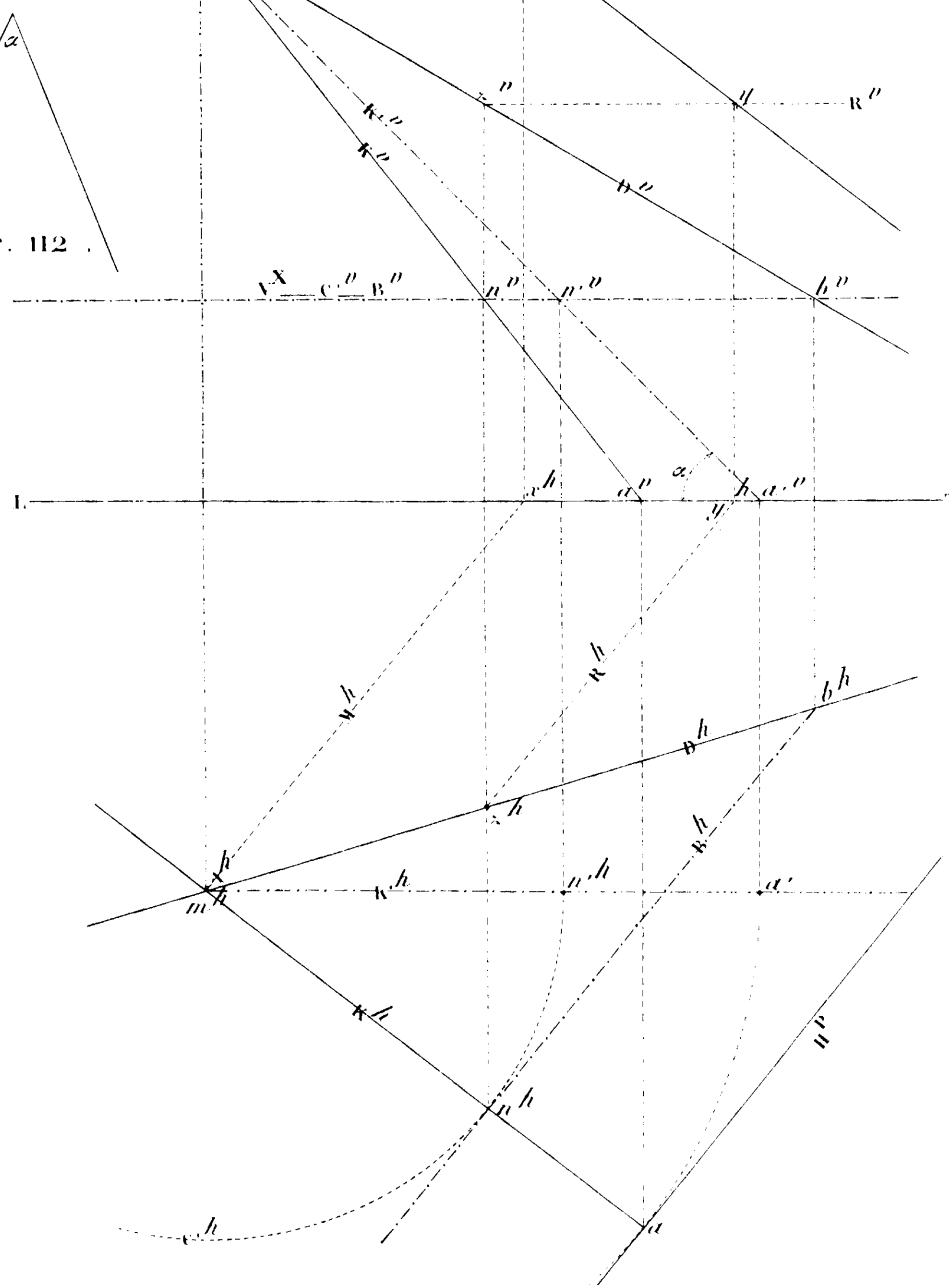
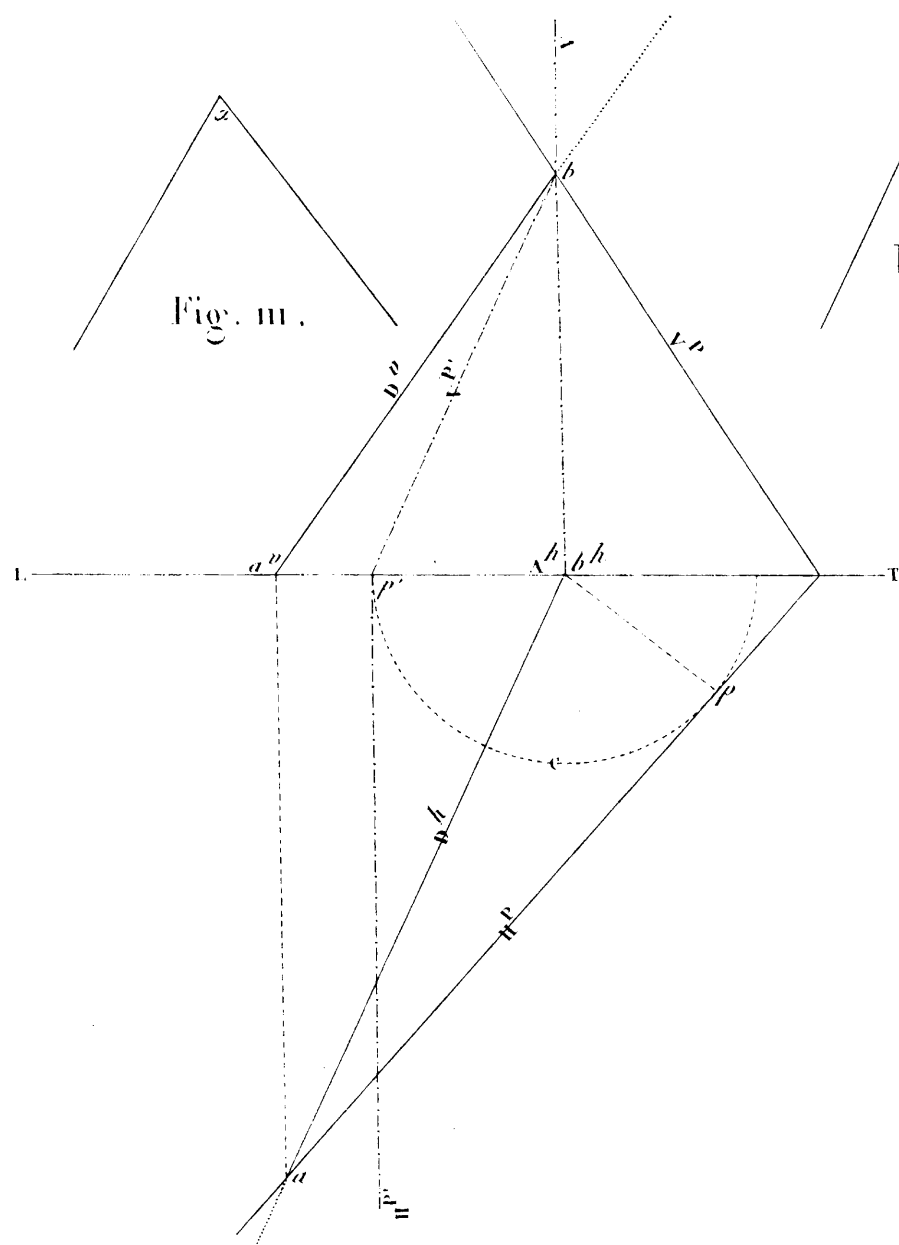
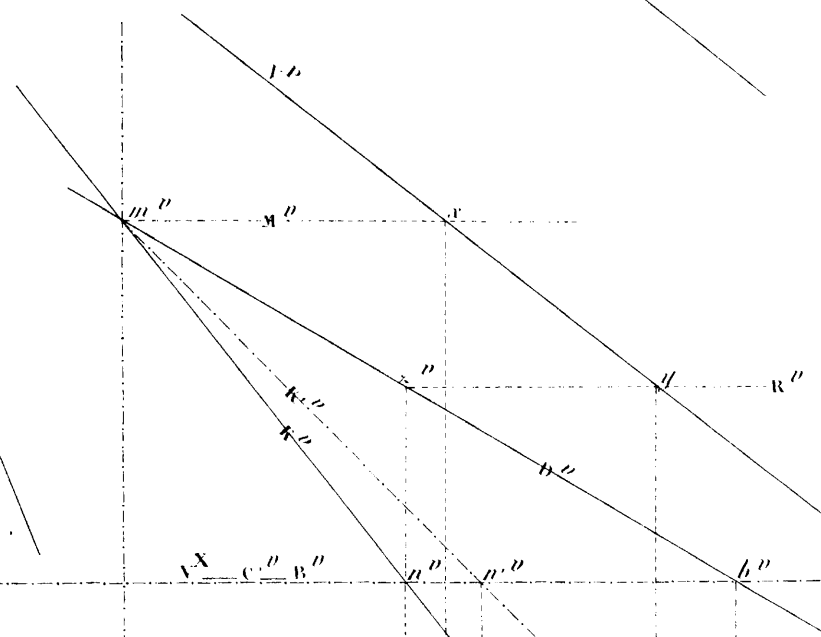
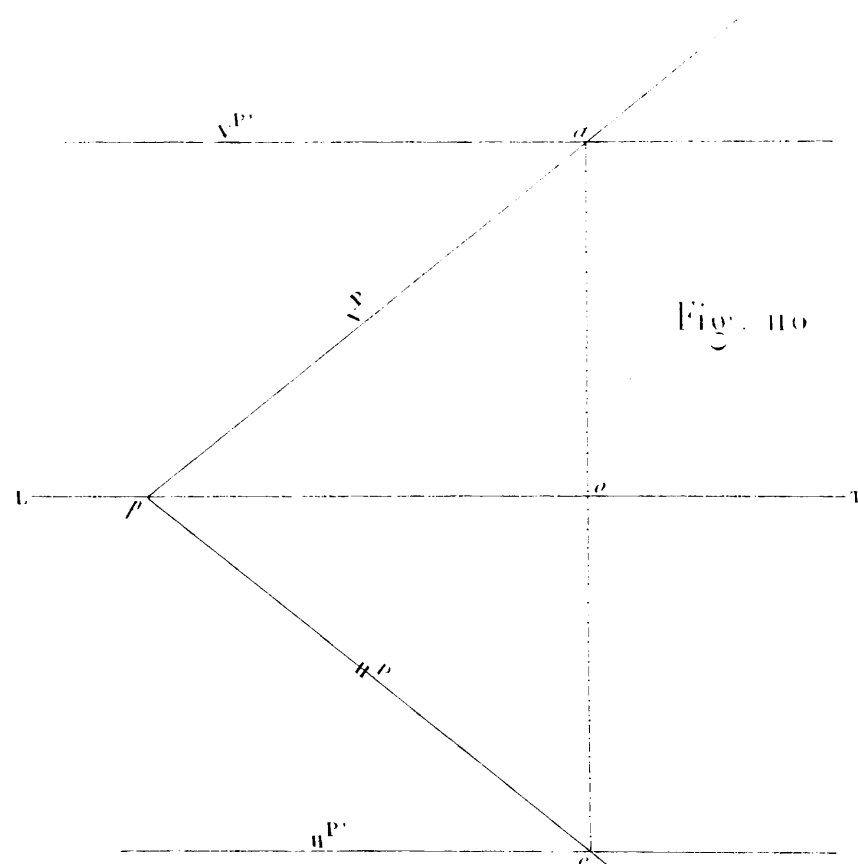
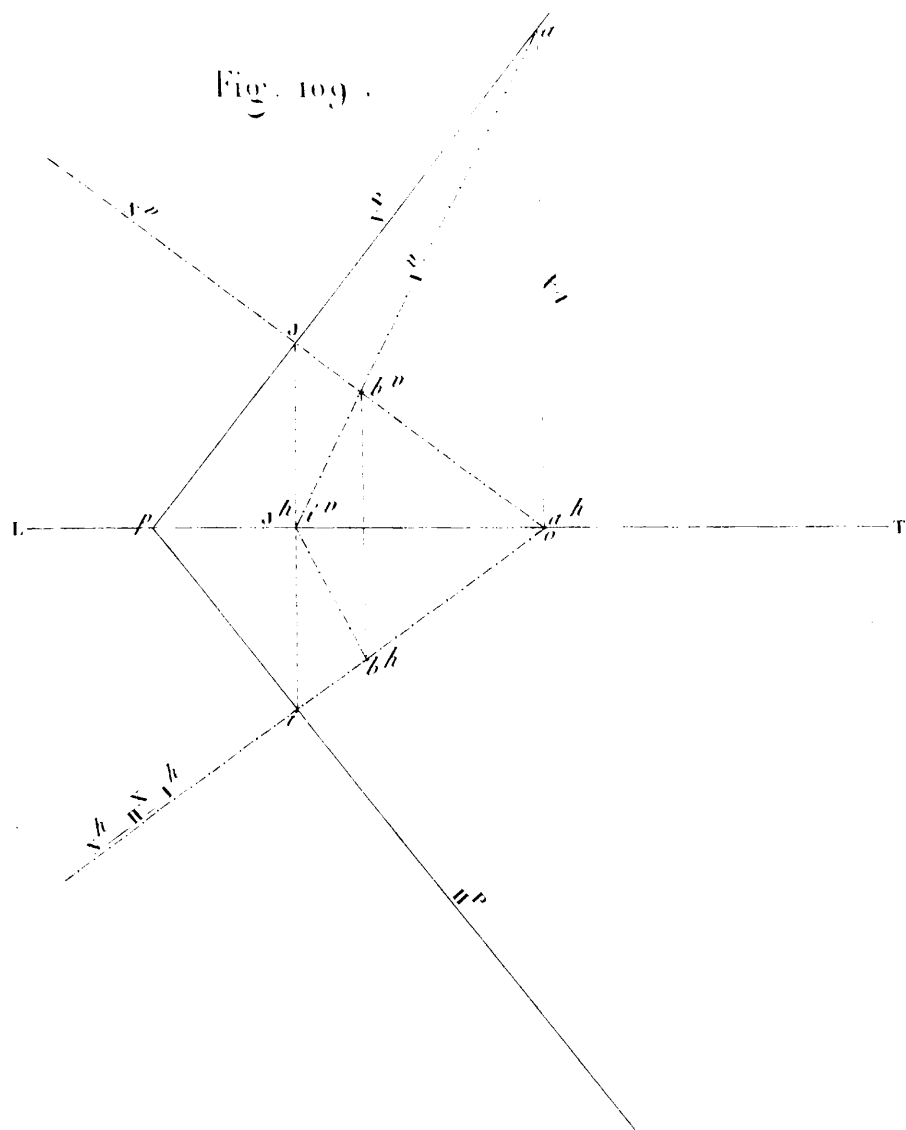


Fig. 108 .





[illegible][illegible]

Fig. 17.

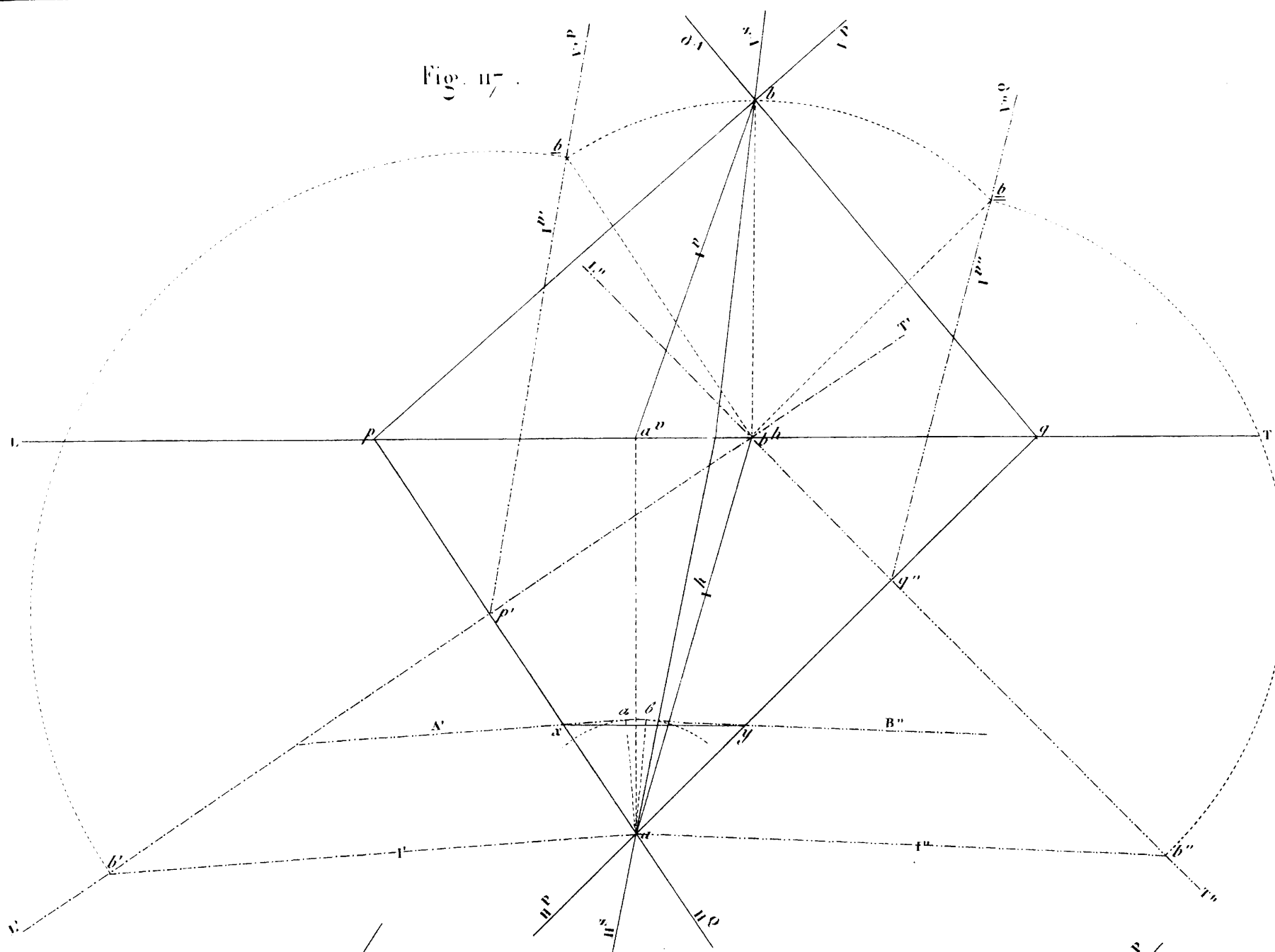


Fig. 118.

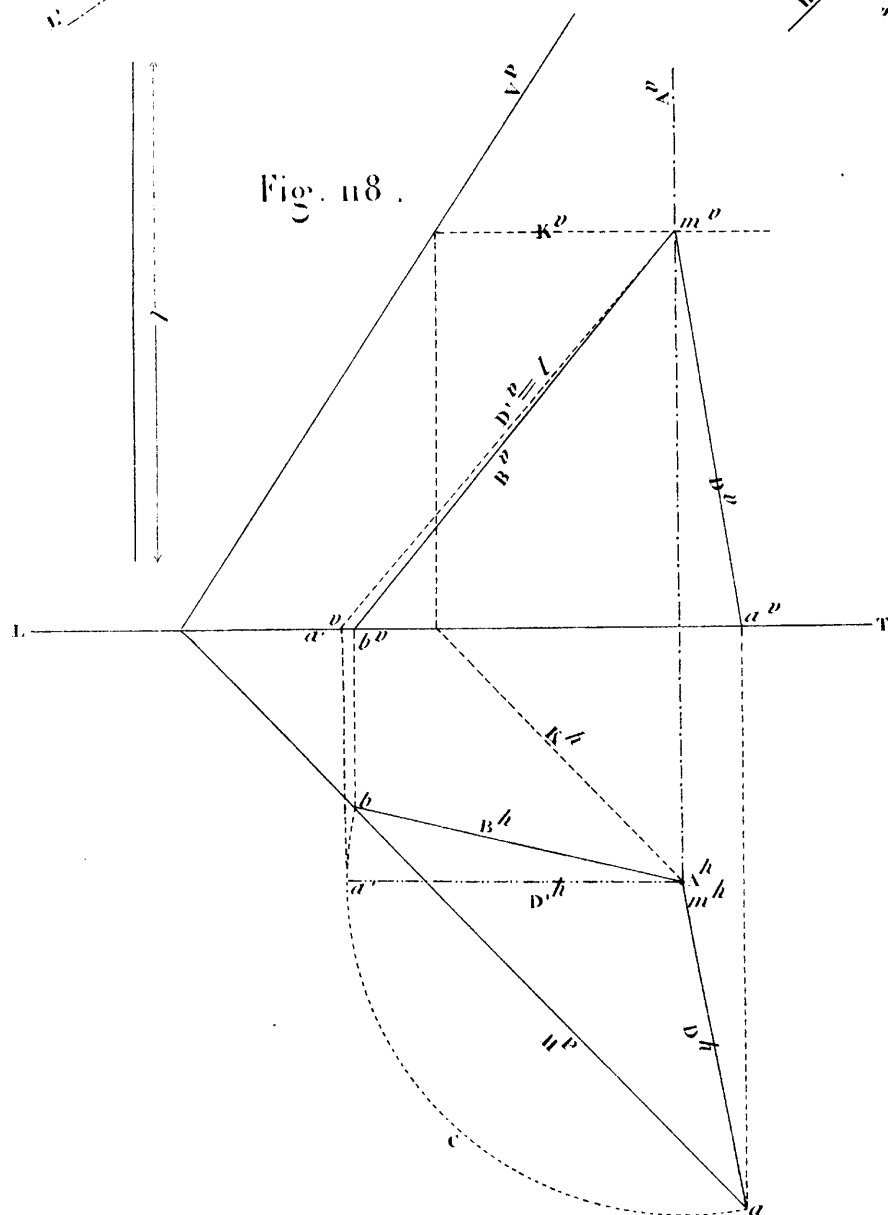


Fig. 119.

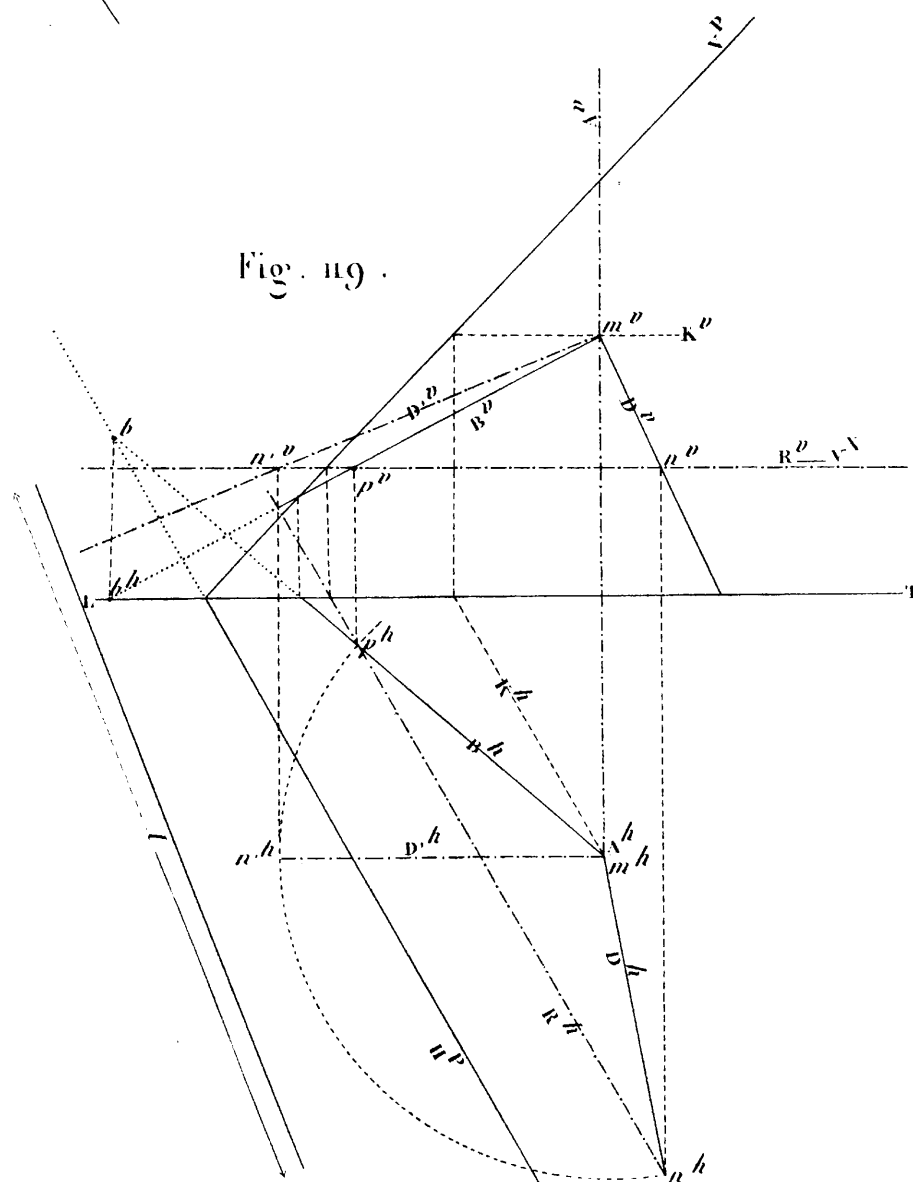


Fig. 120.

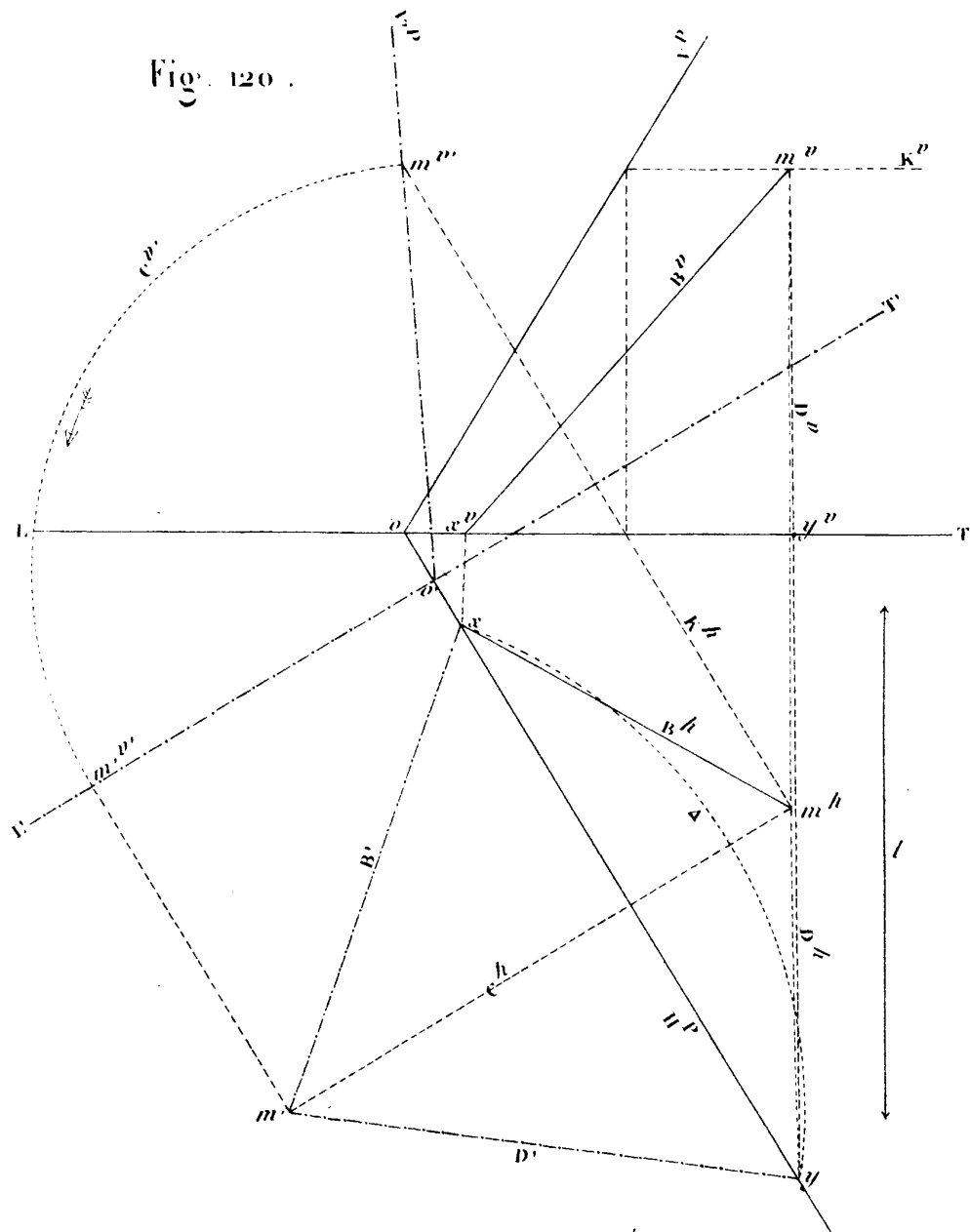


Fig. 121.

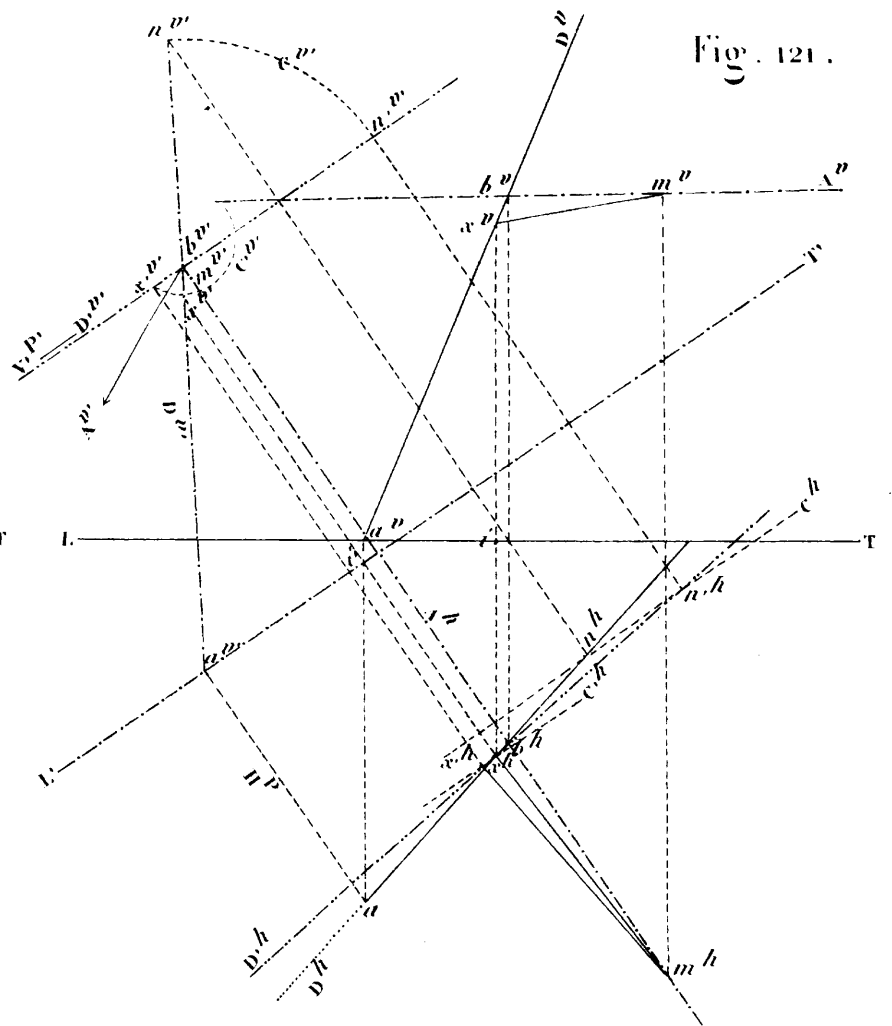


Fig. 122.

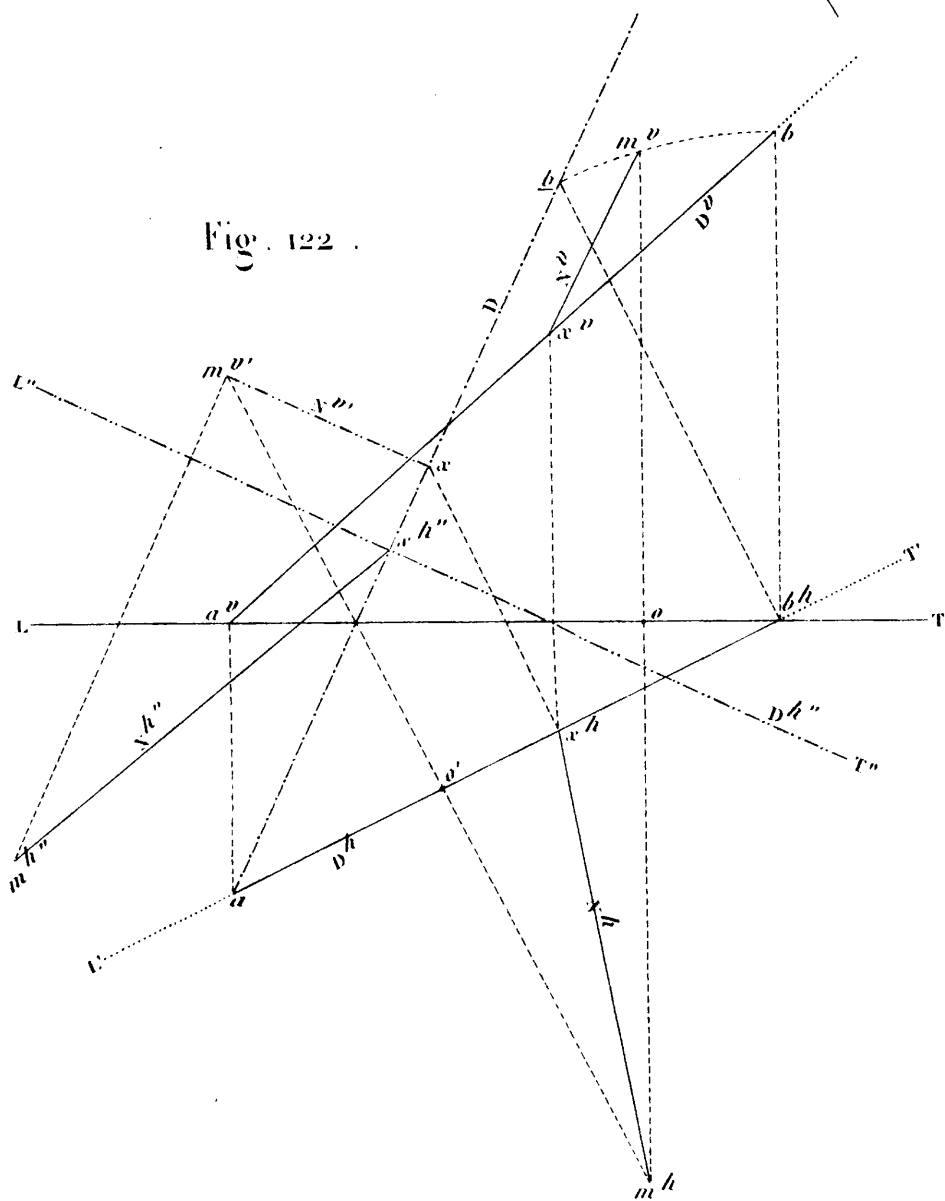
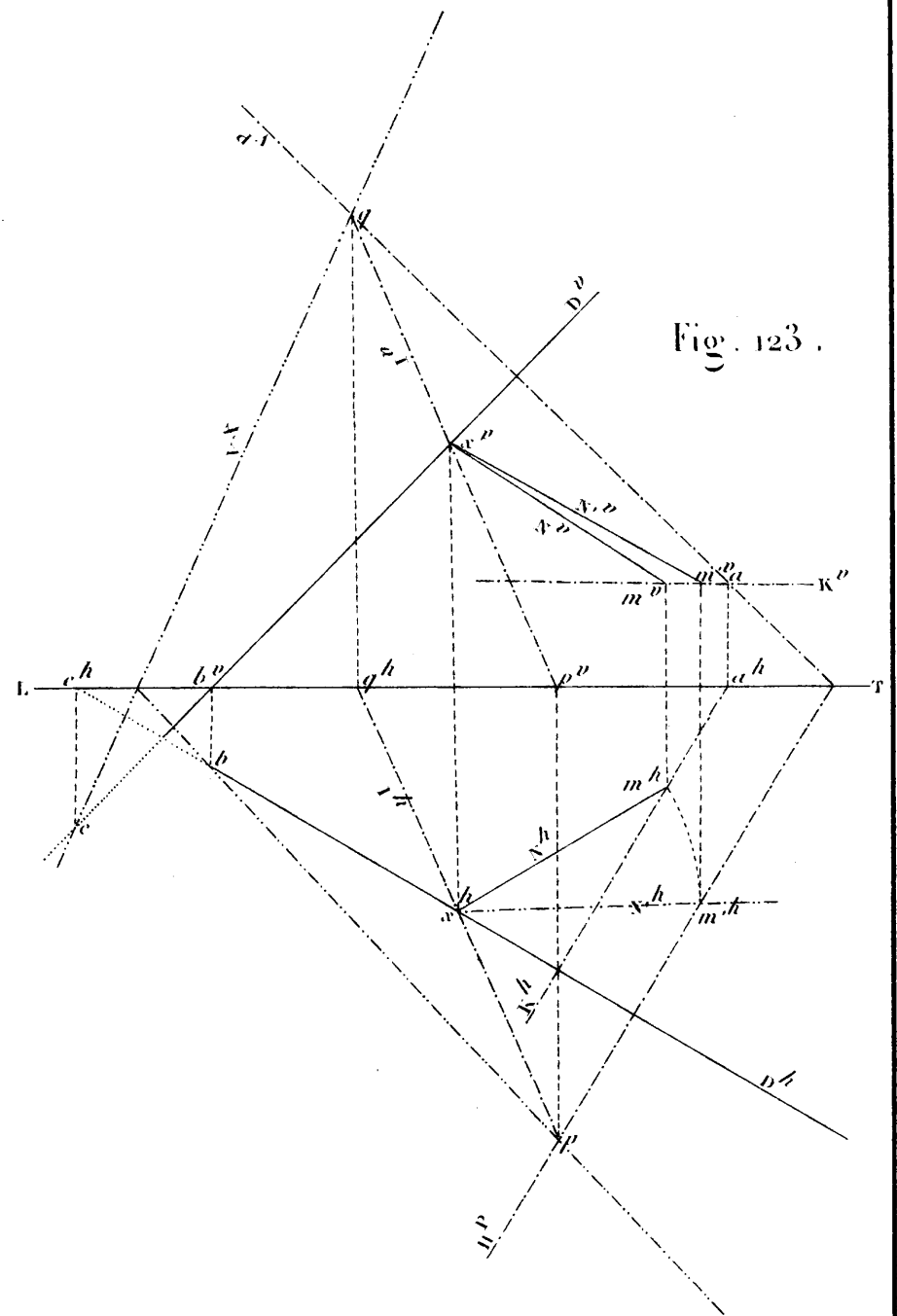


Fig. 123.



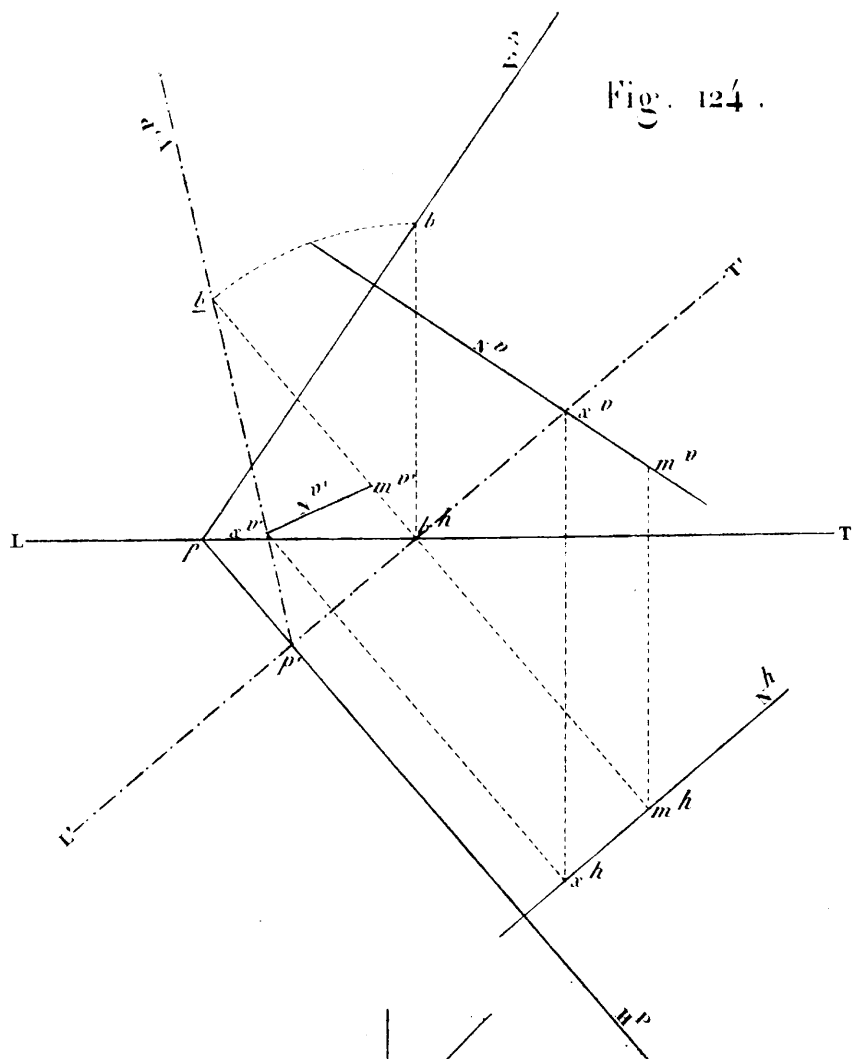


Fig. 124.

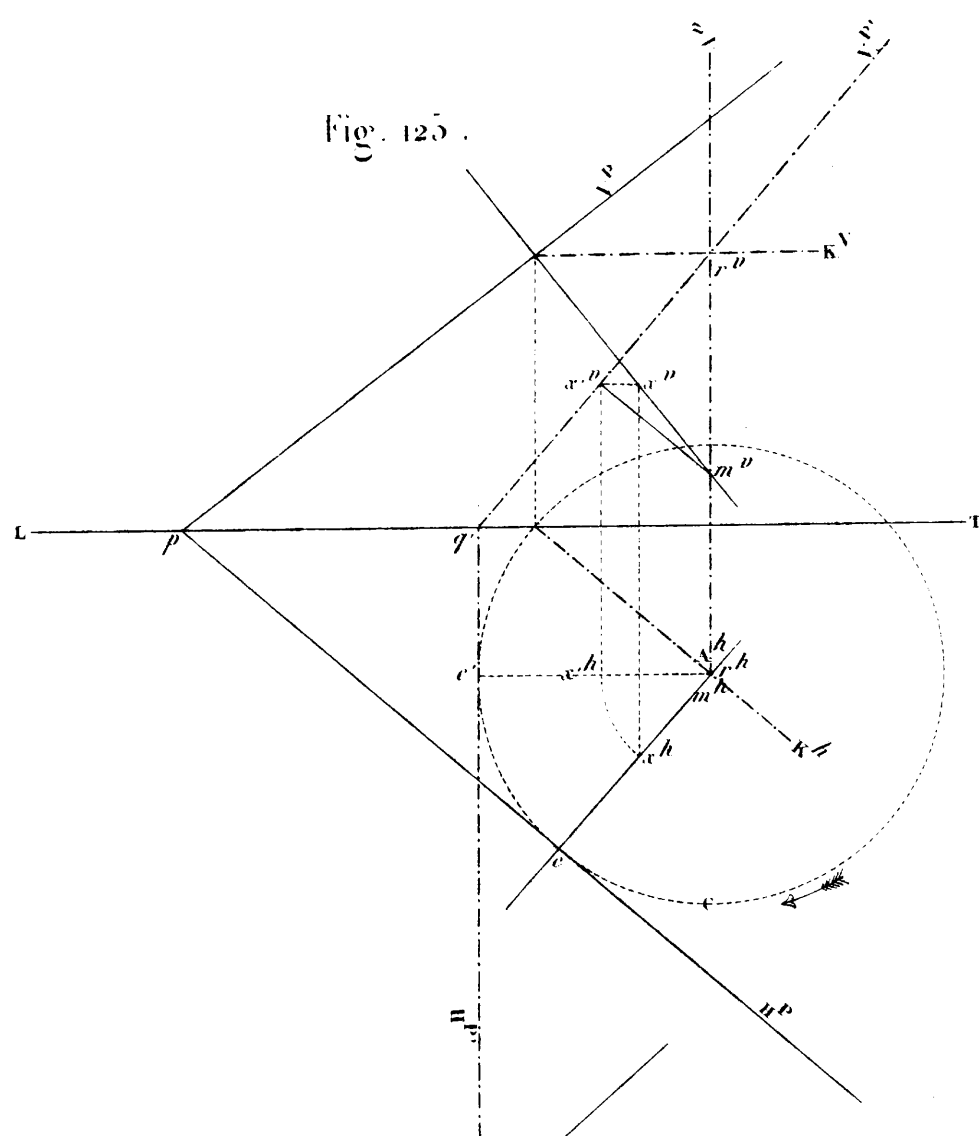


Fig. 125.

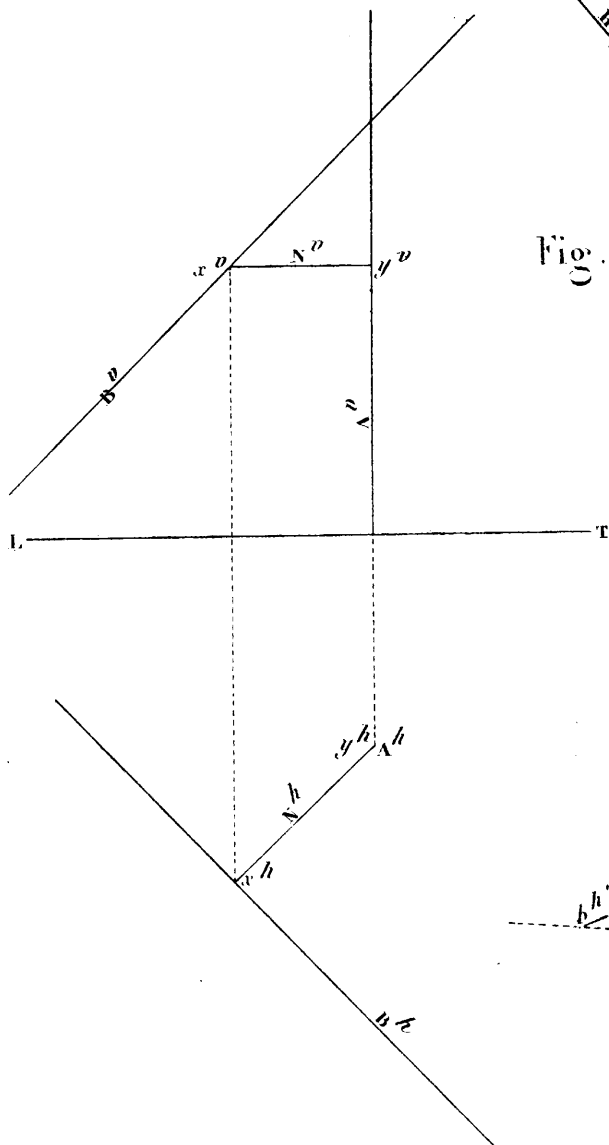


Fig. 126 .

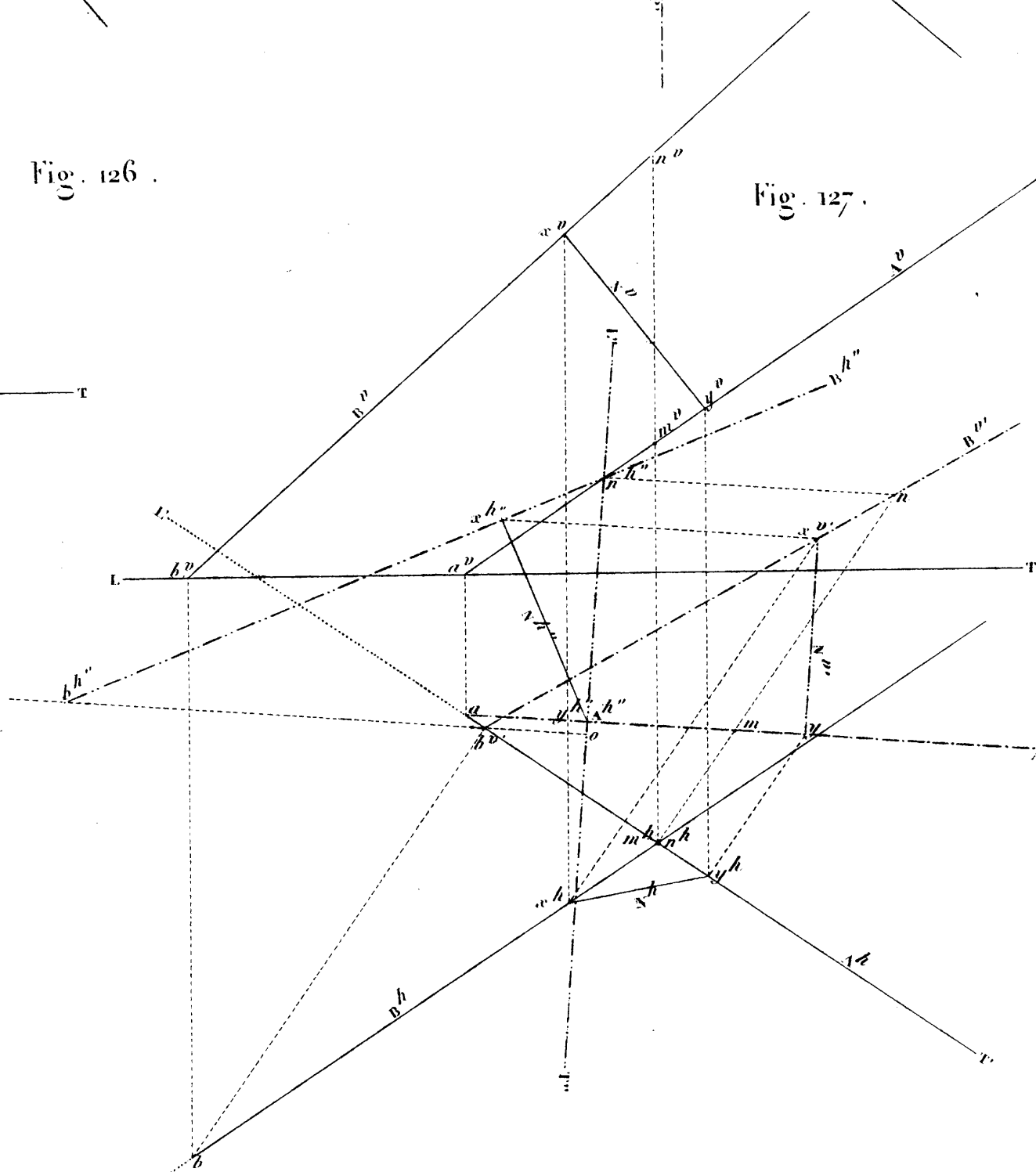


Fig. 127.

Fig. 128.

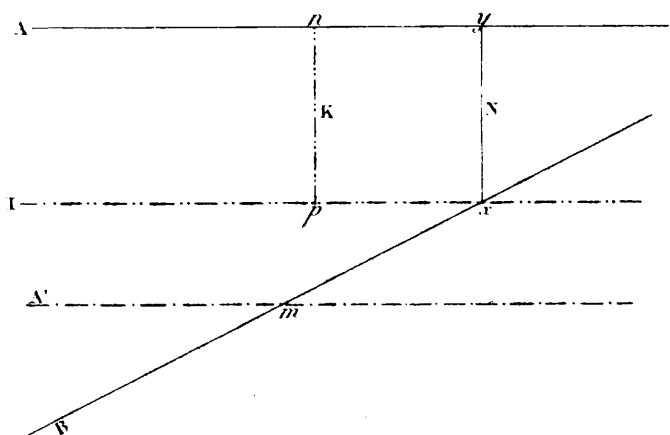
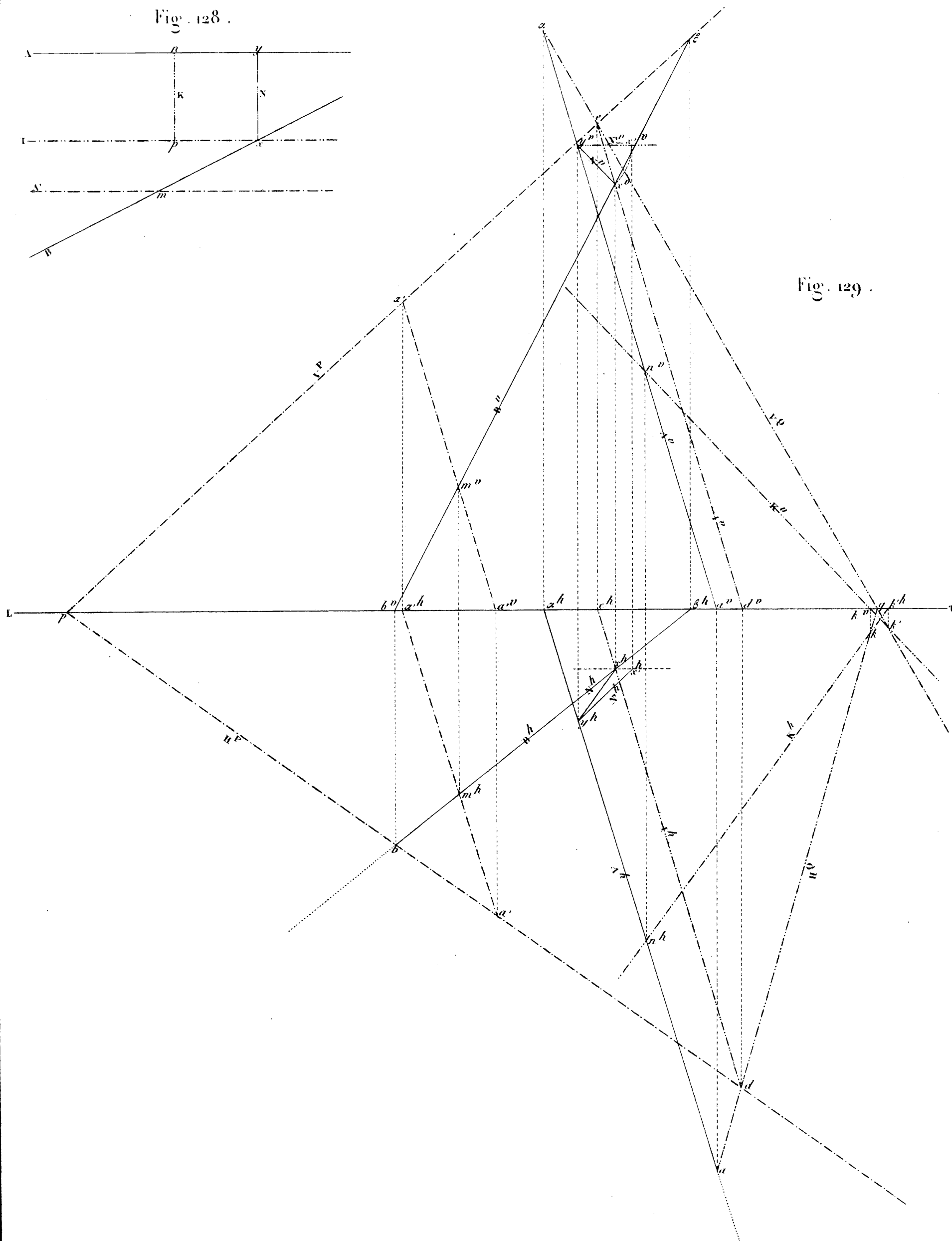


Fig. 129.



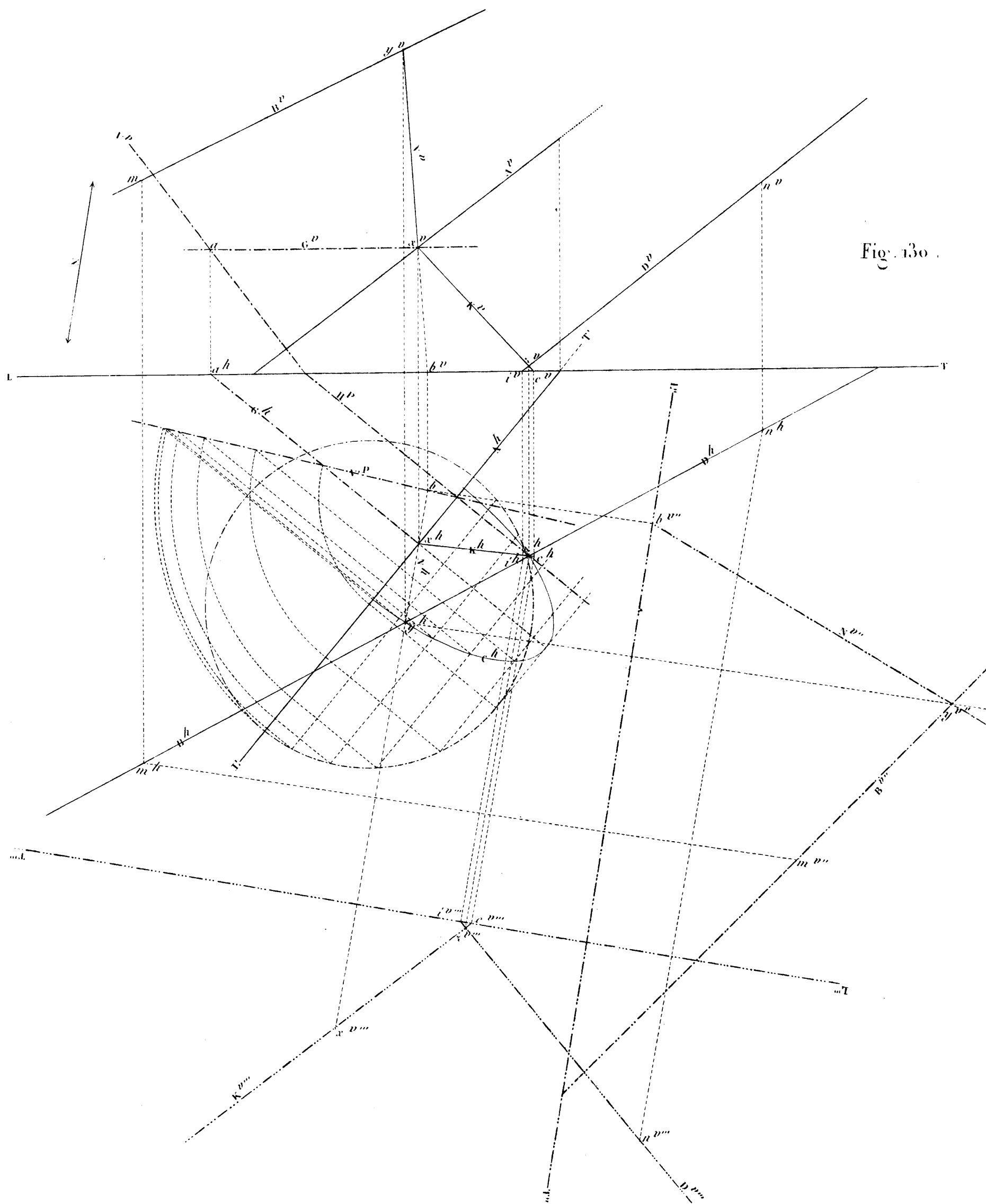


Fig. 130.

Fig. 131.

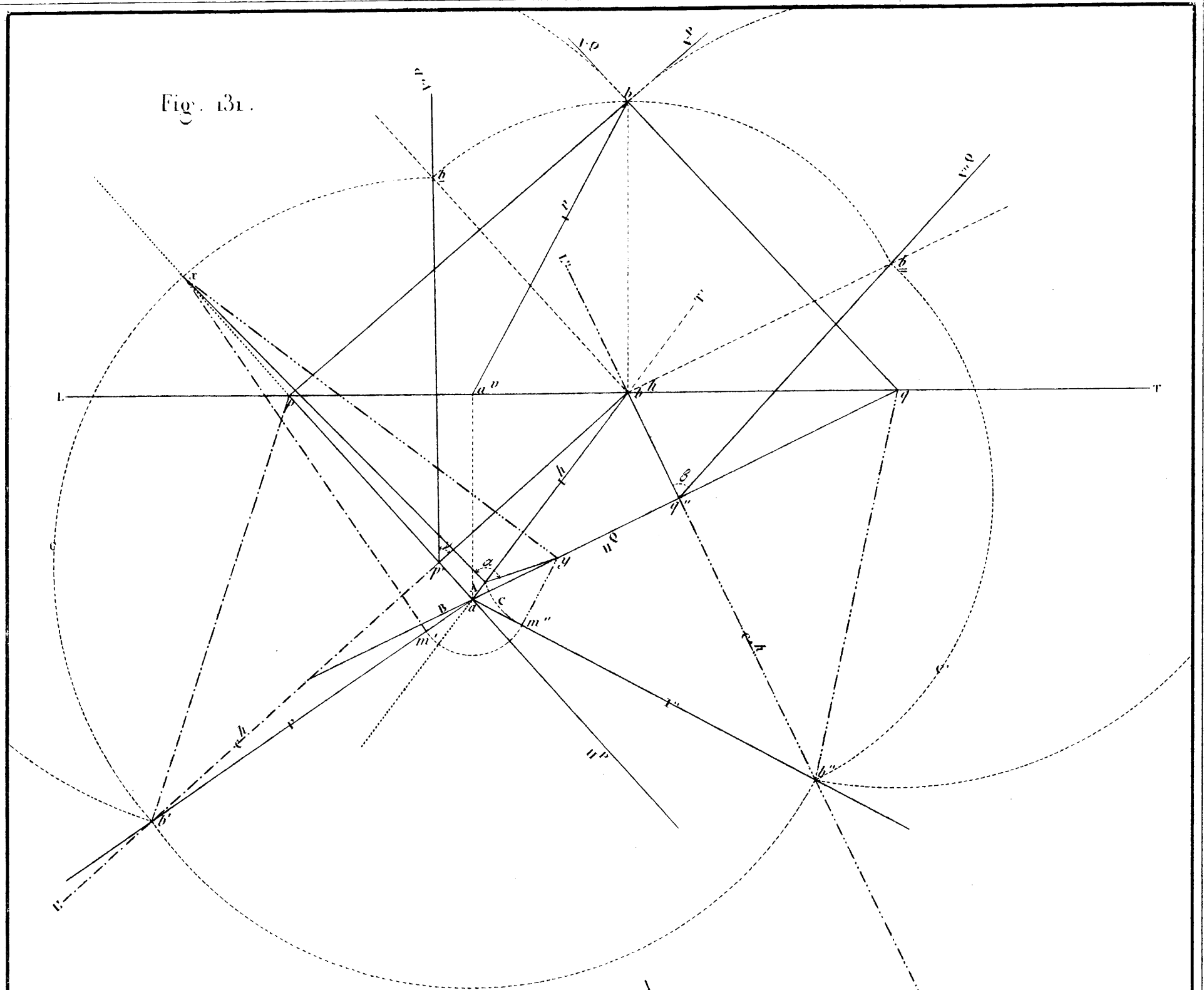


Fig. 132.

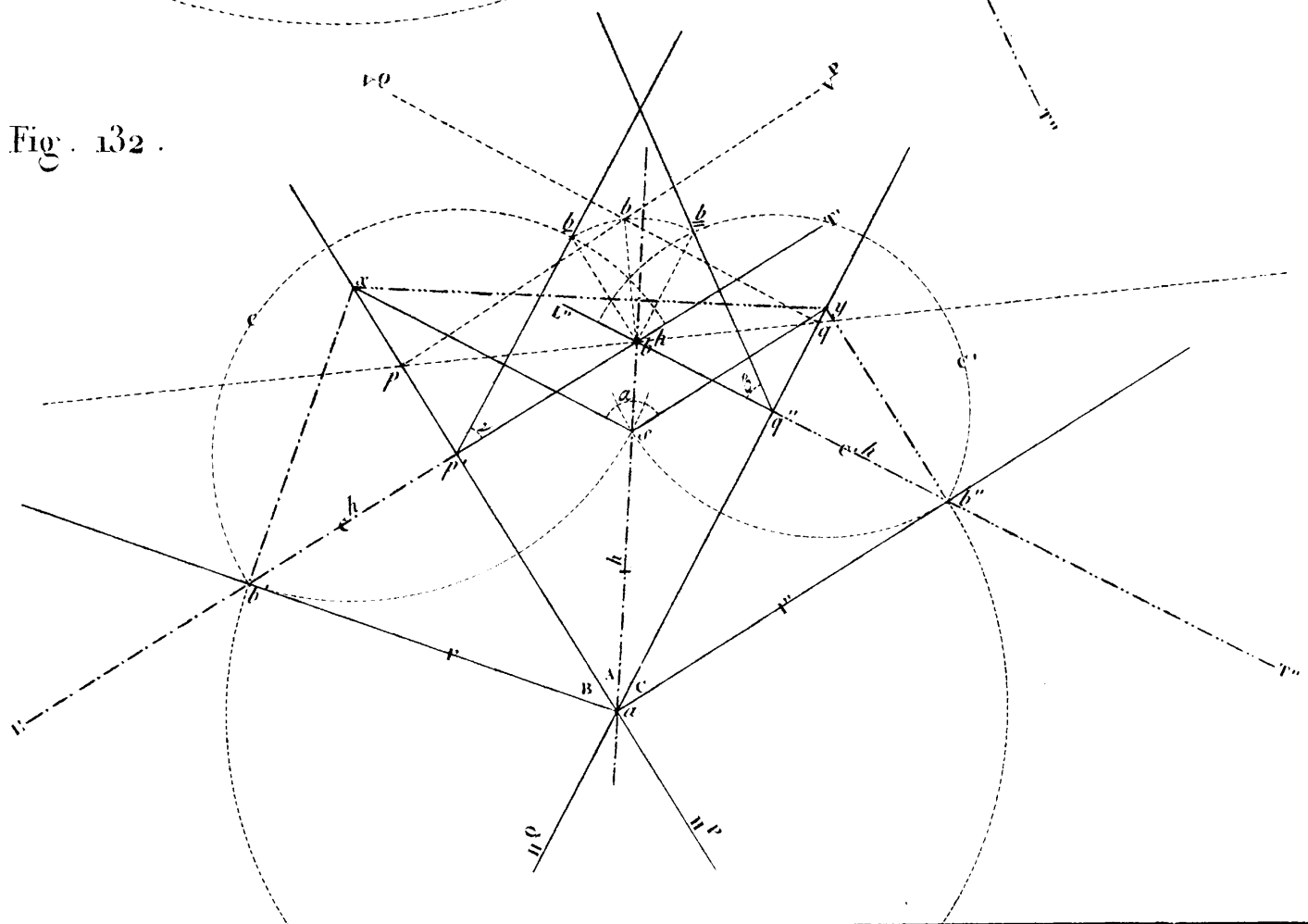


Fig. 133 .

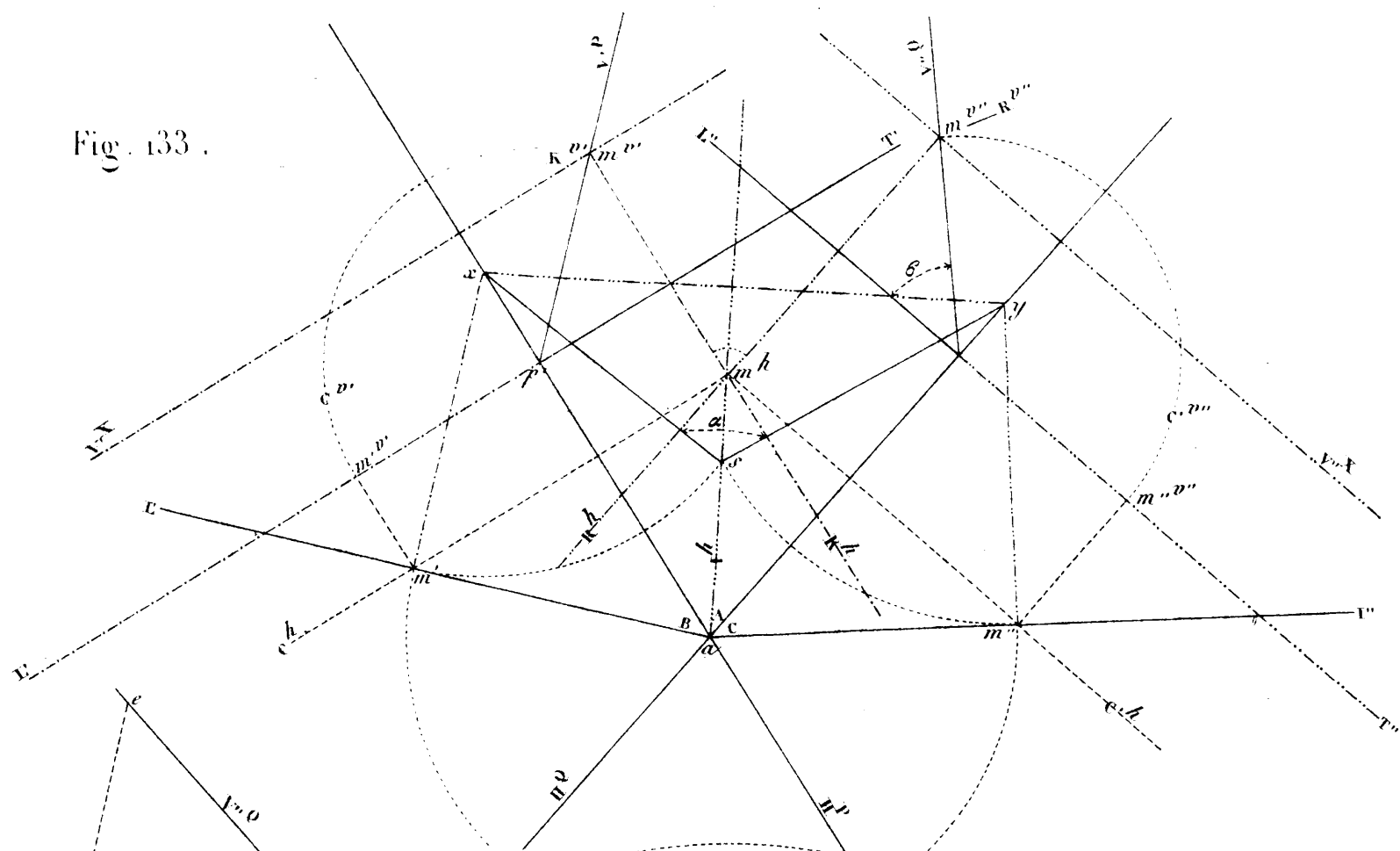


Fig. 134 .

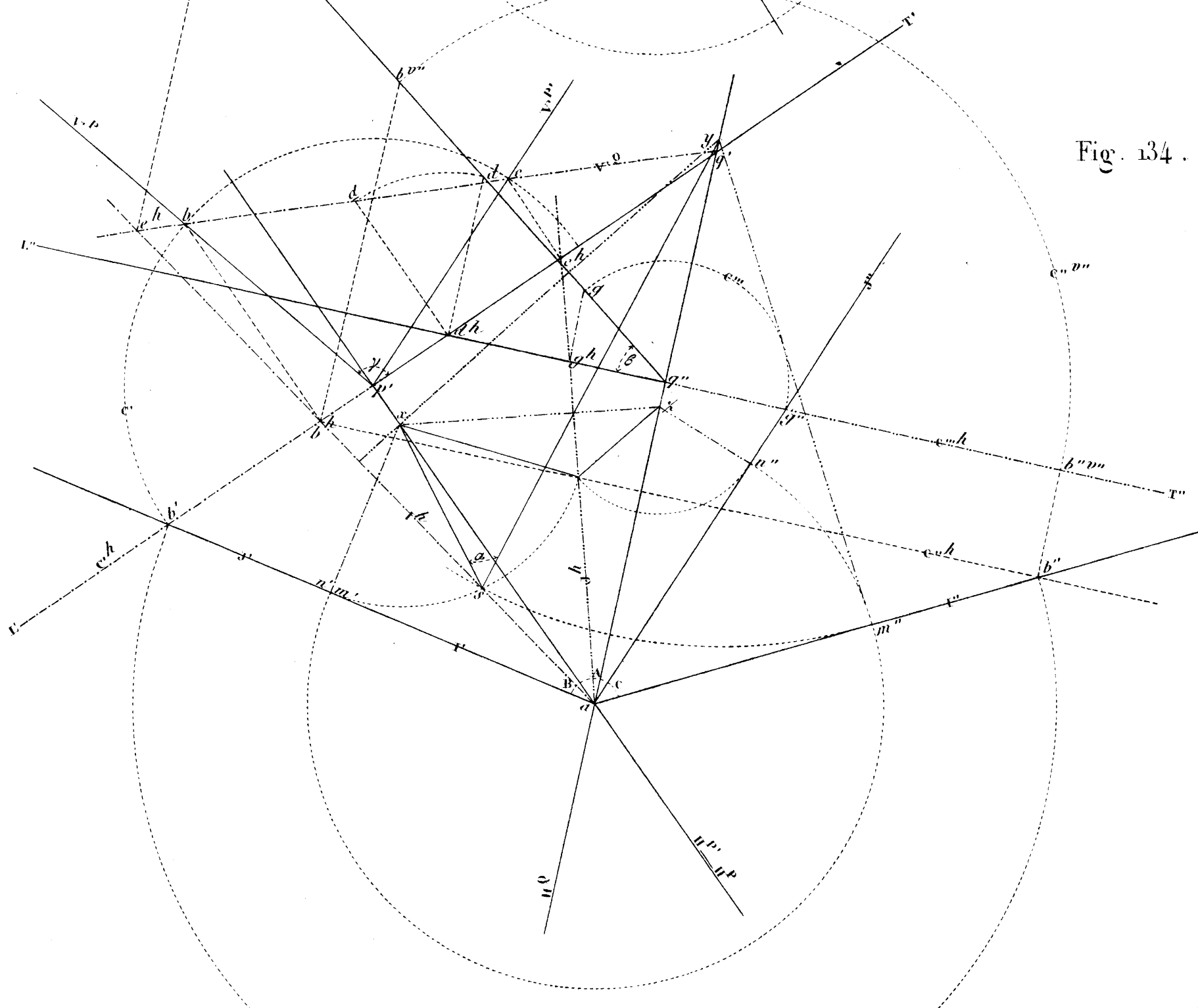


Fig. 135.

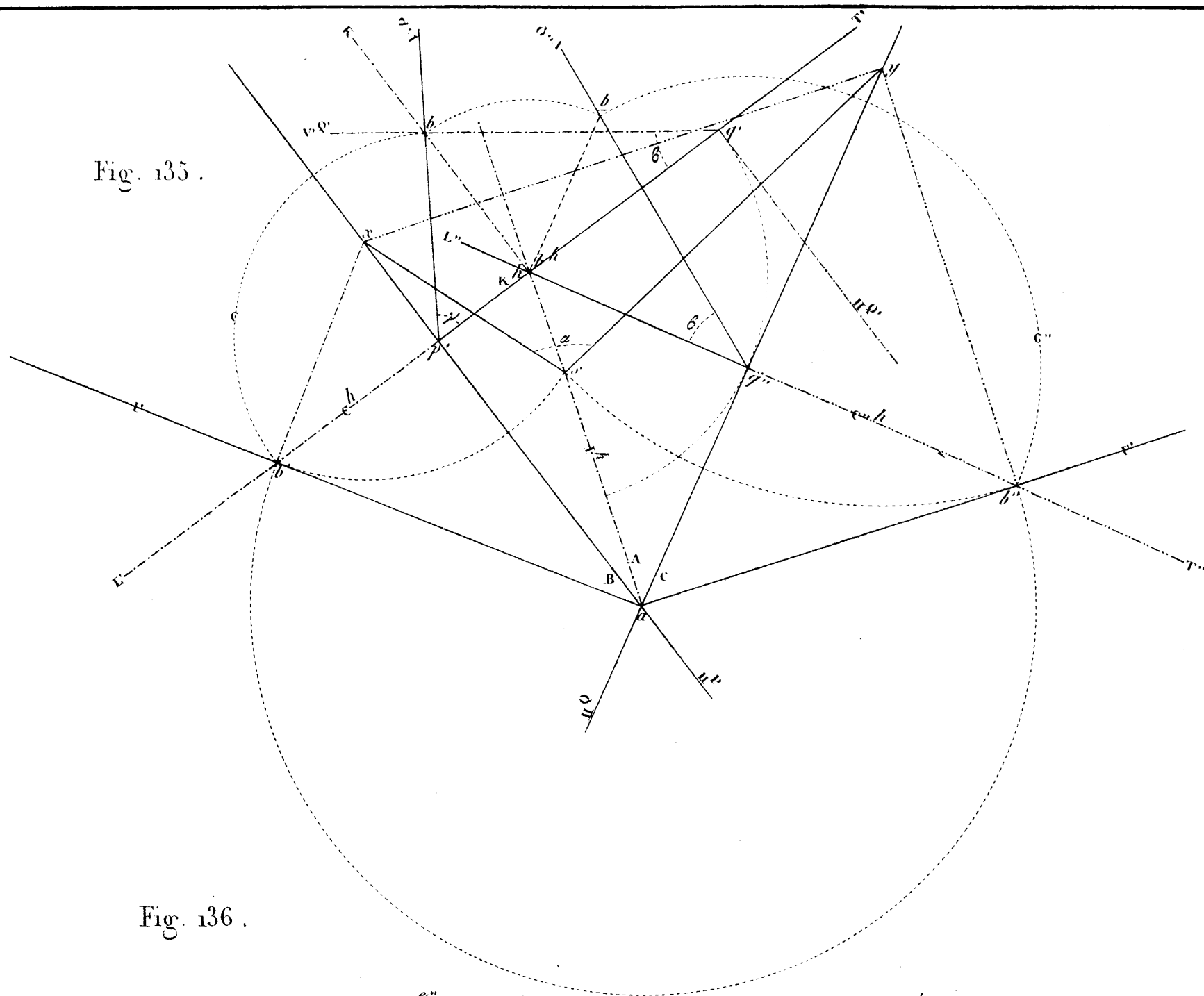


Fig. 136.

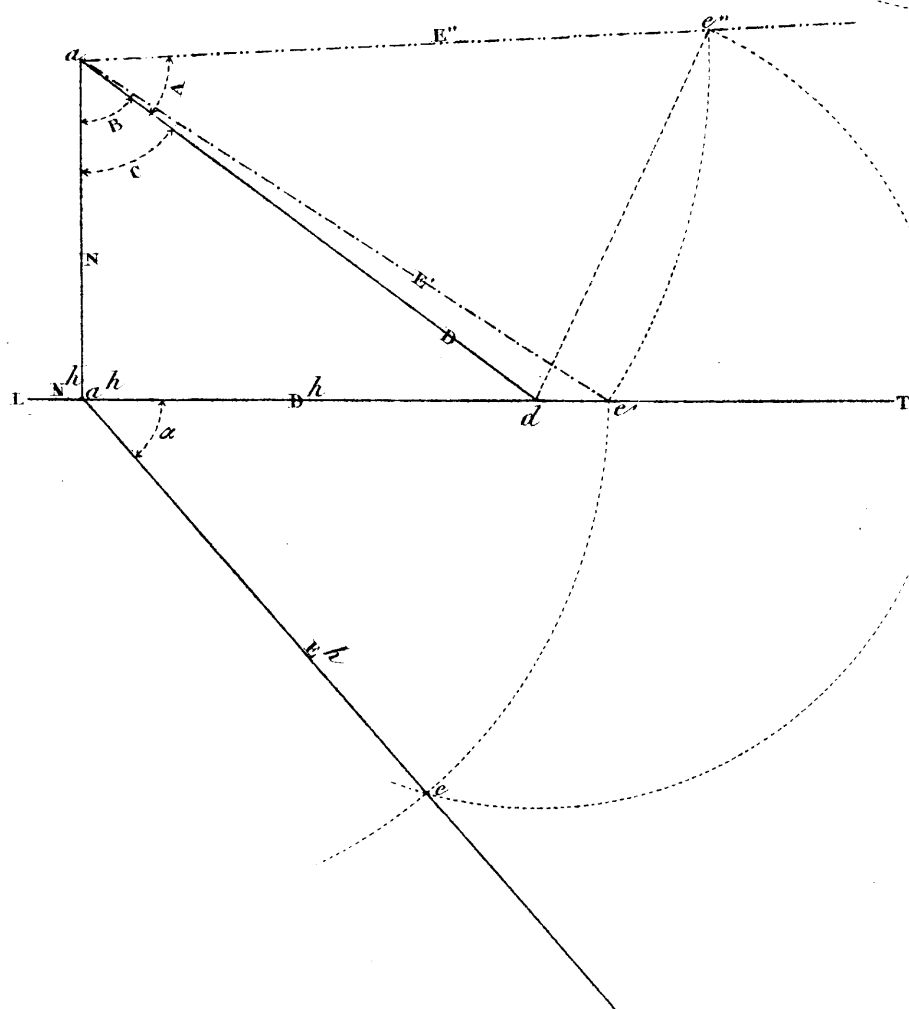
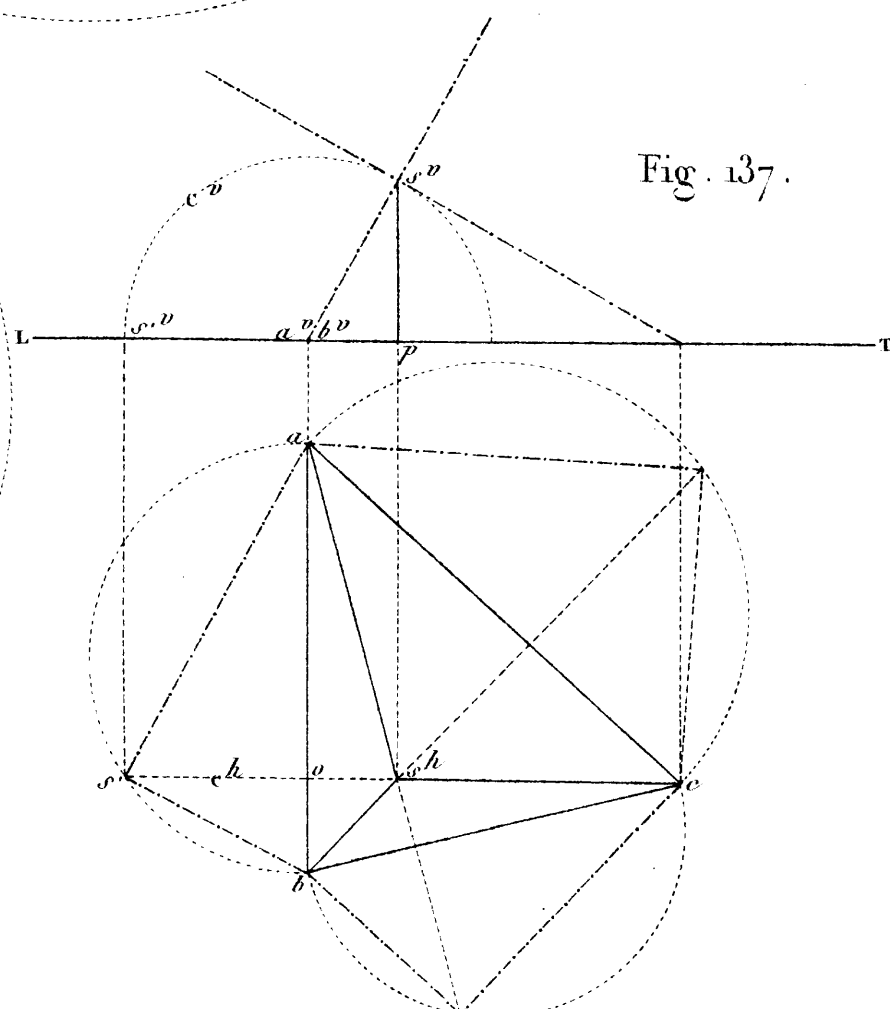


Fig. 137.



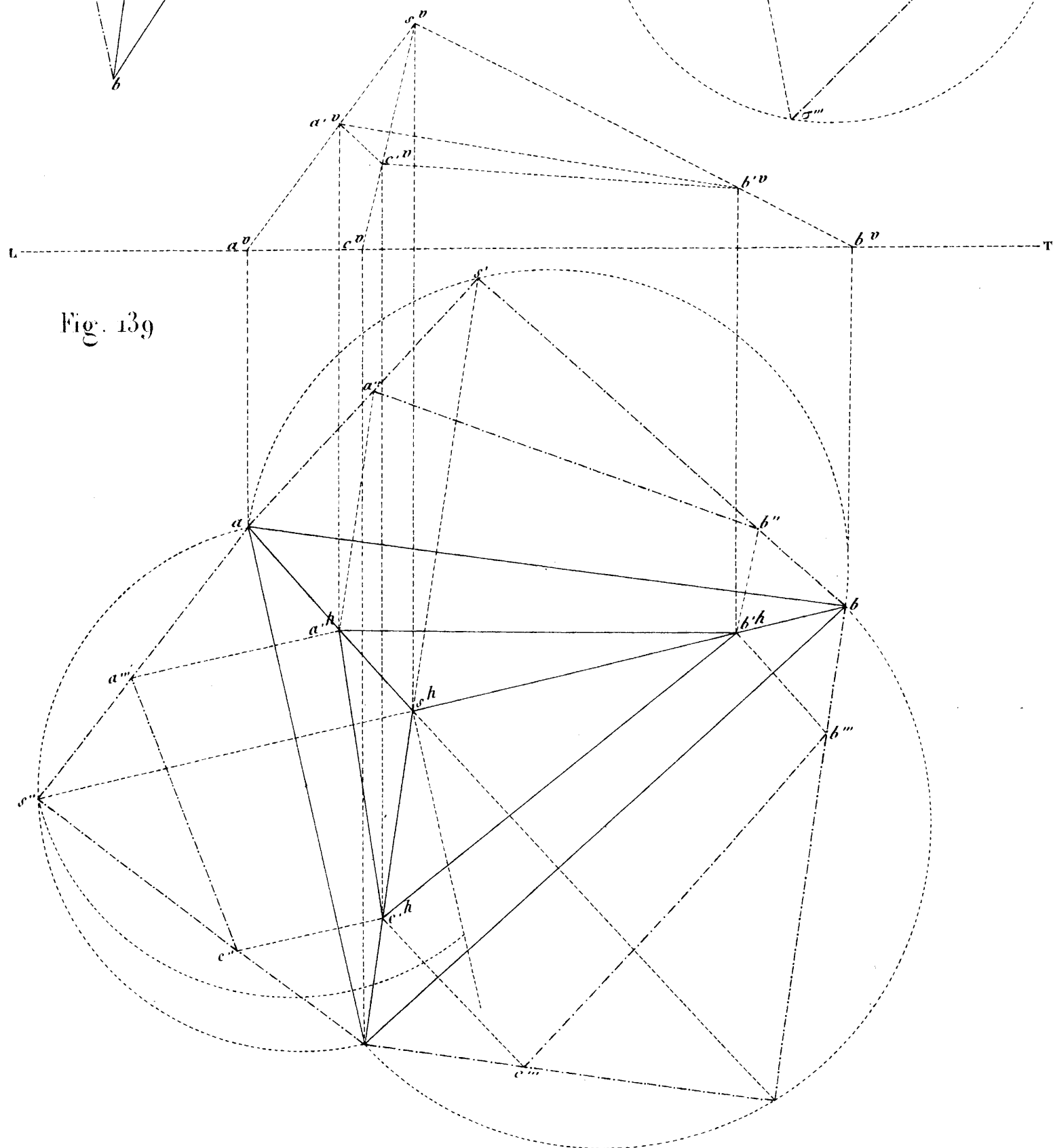
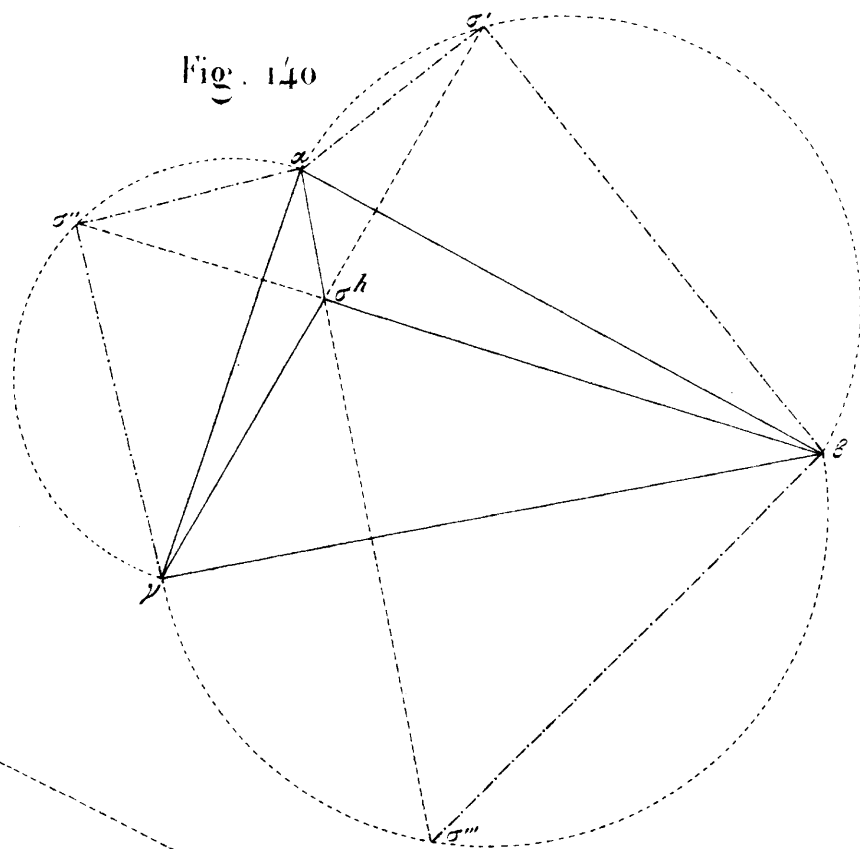
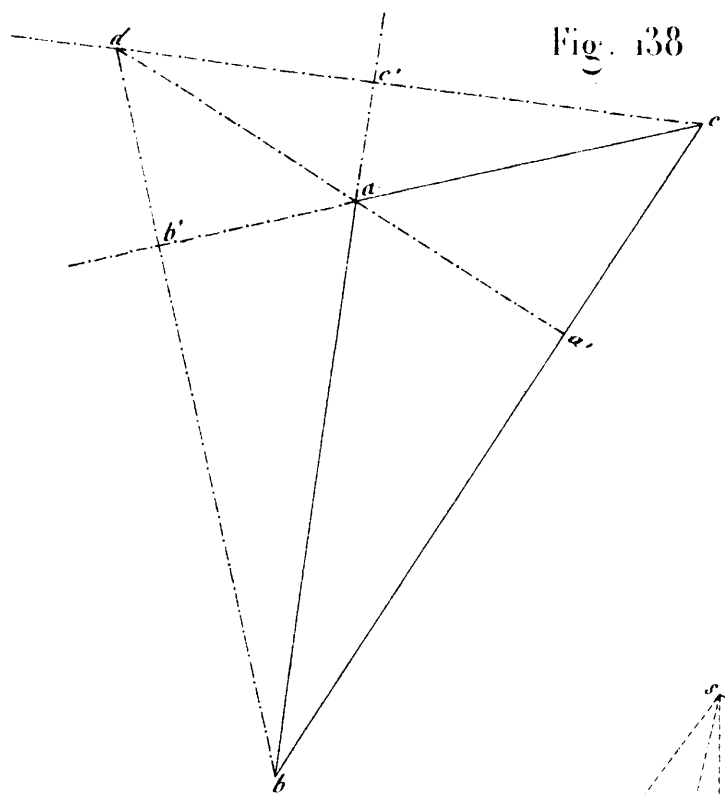


Fig. 141

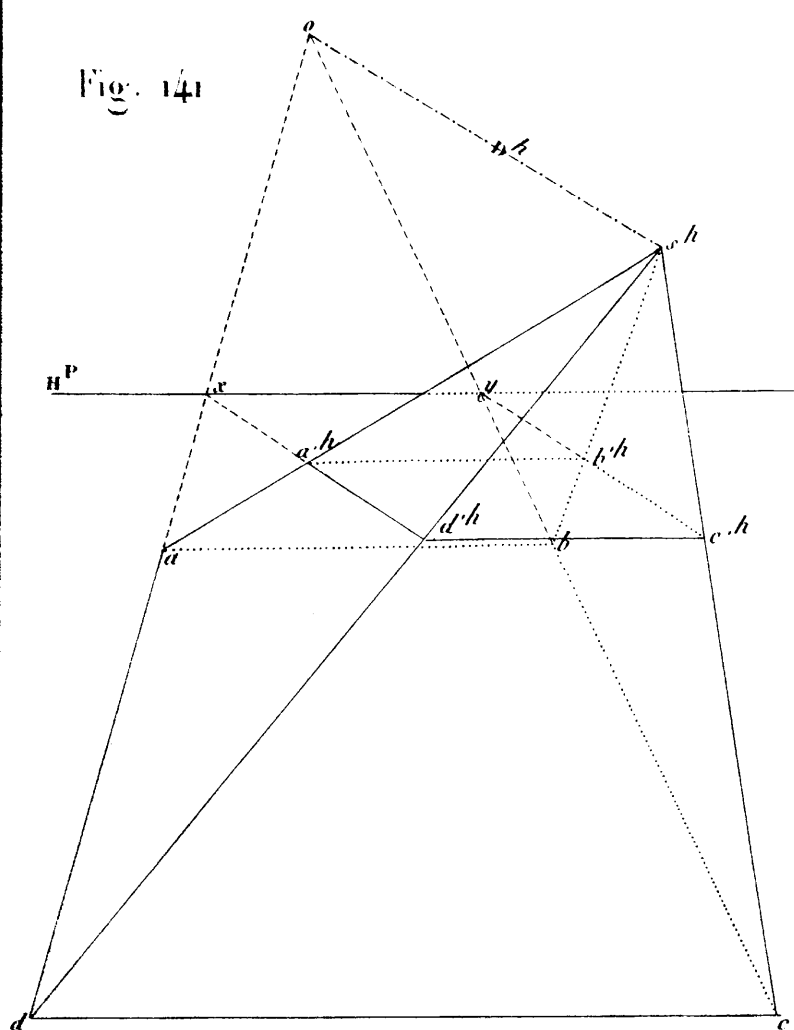


Fig. 142

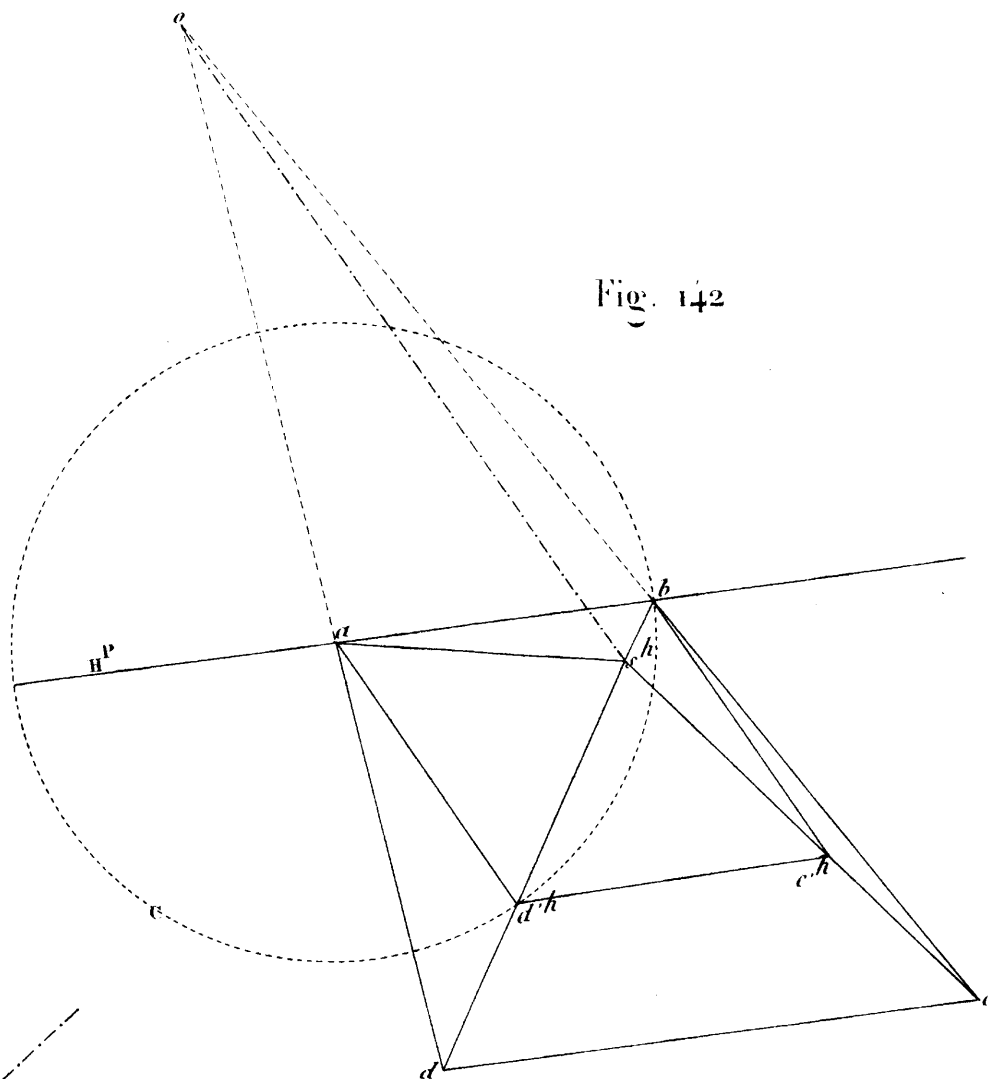


Fig. 143

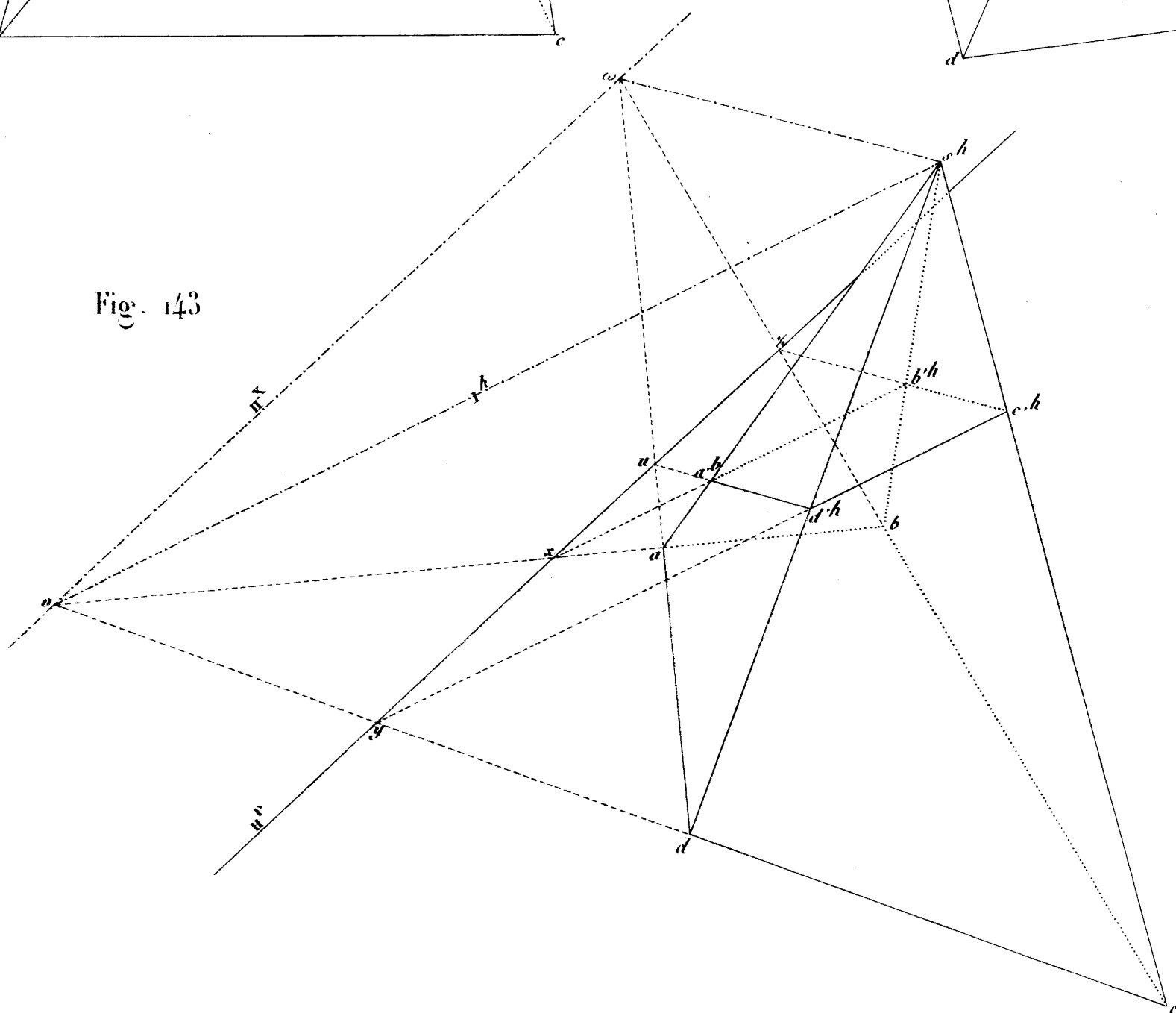


Fig. 144.

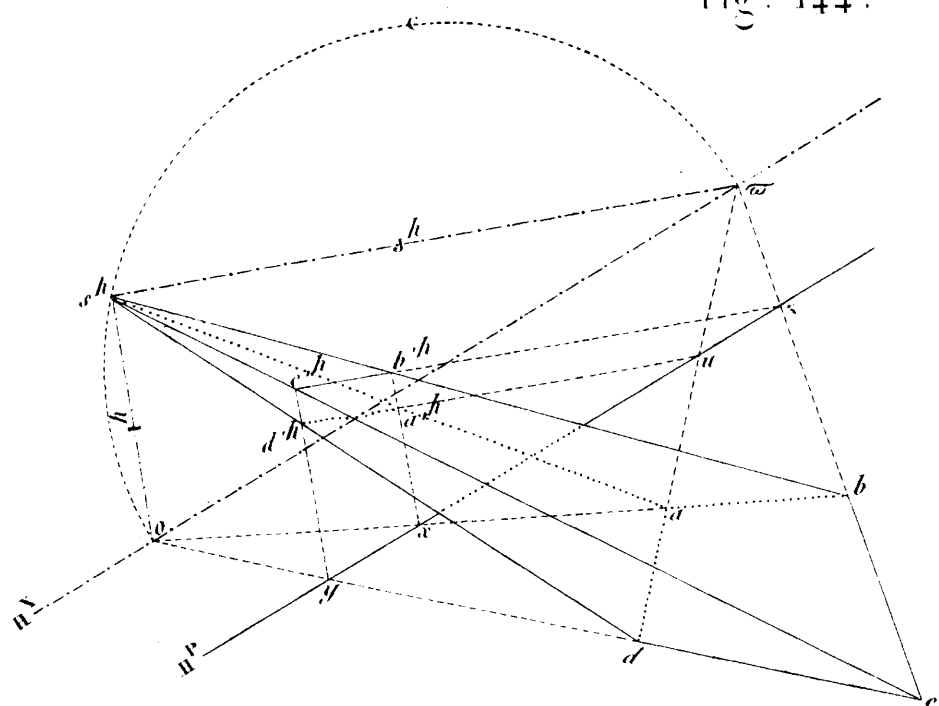


Fig. 145 bis

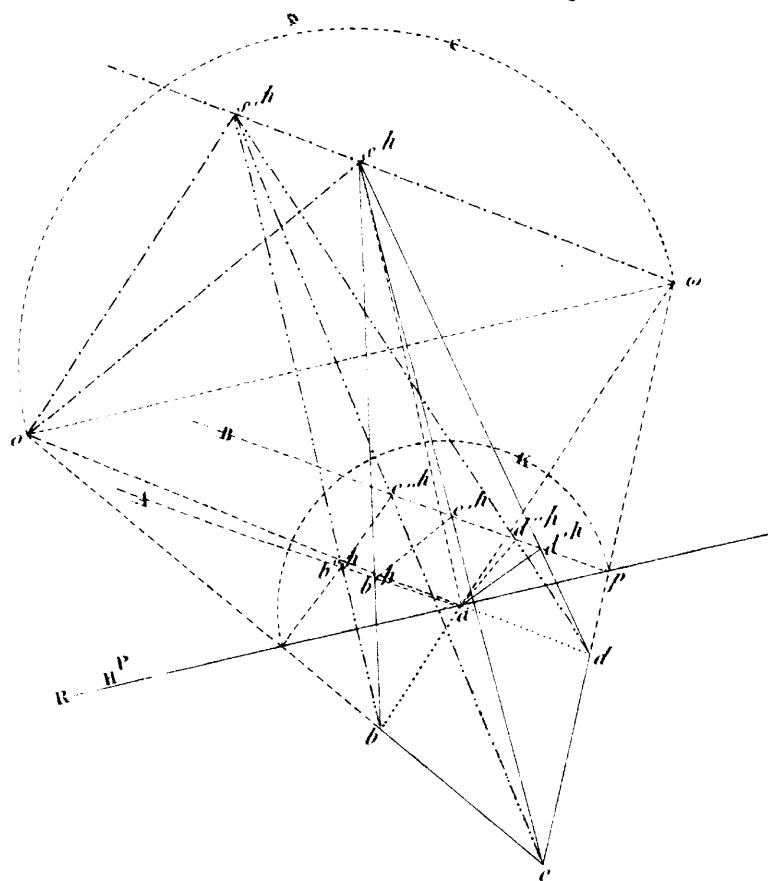


Fig. 145

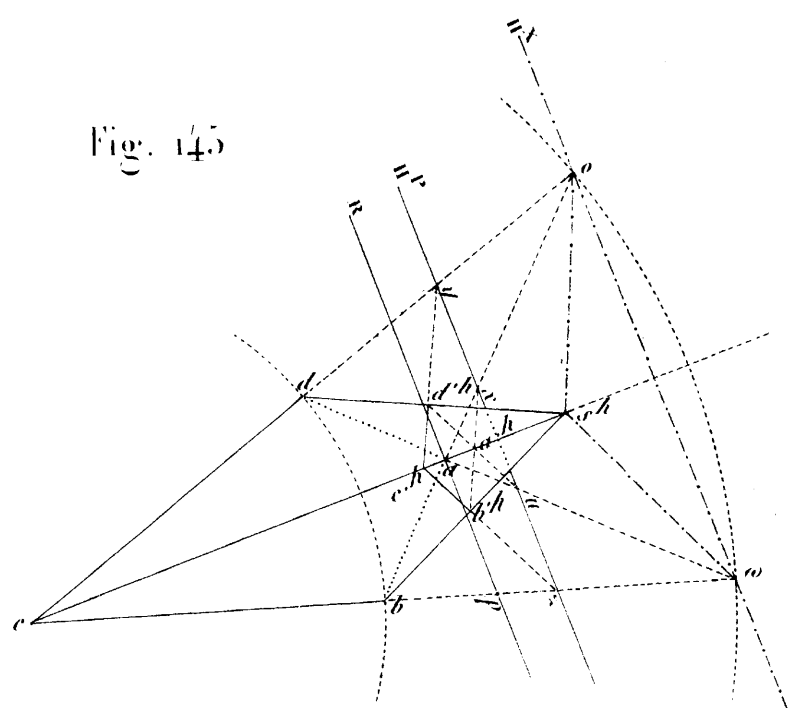


Fig. 145 quater

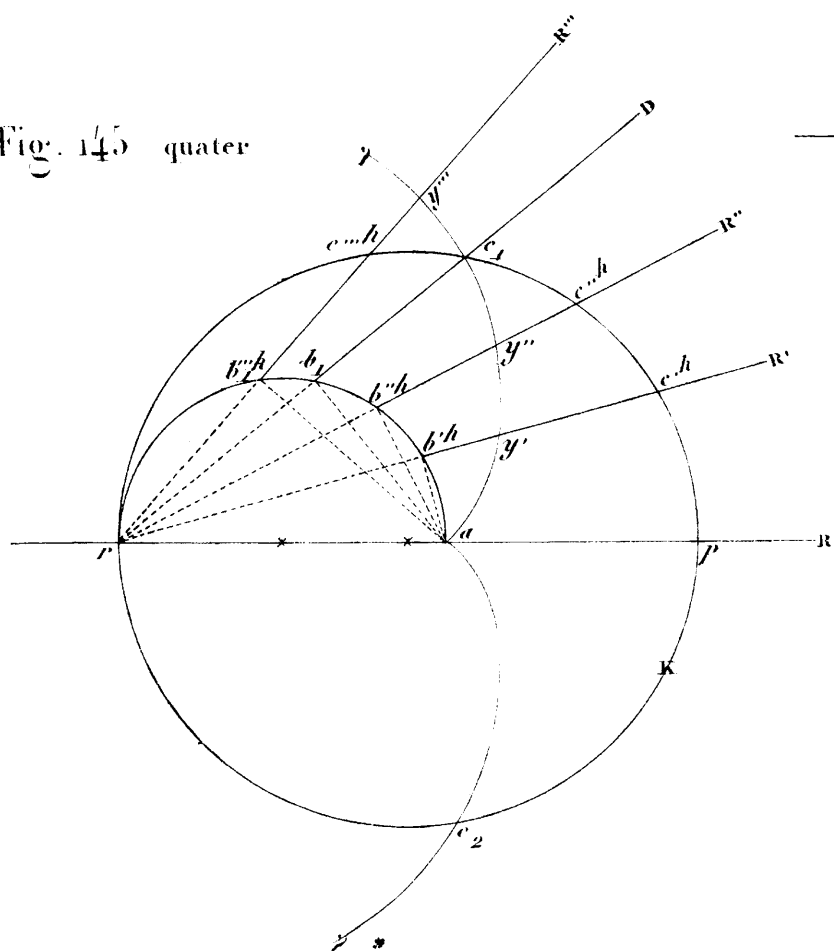
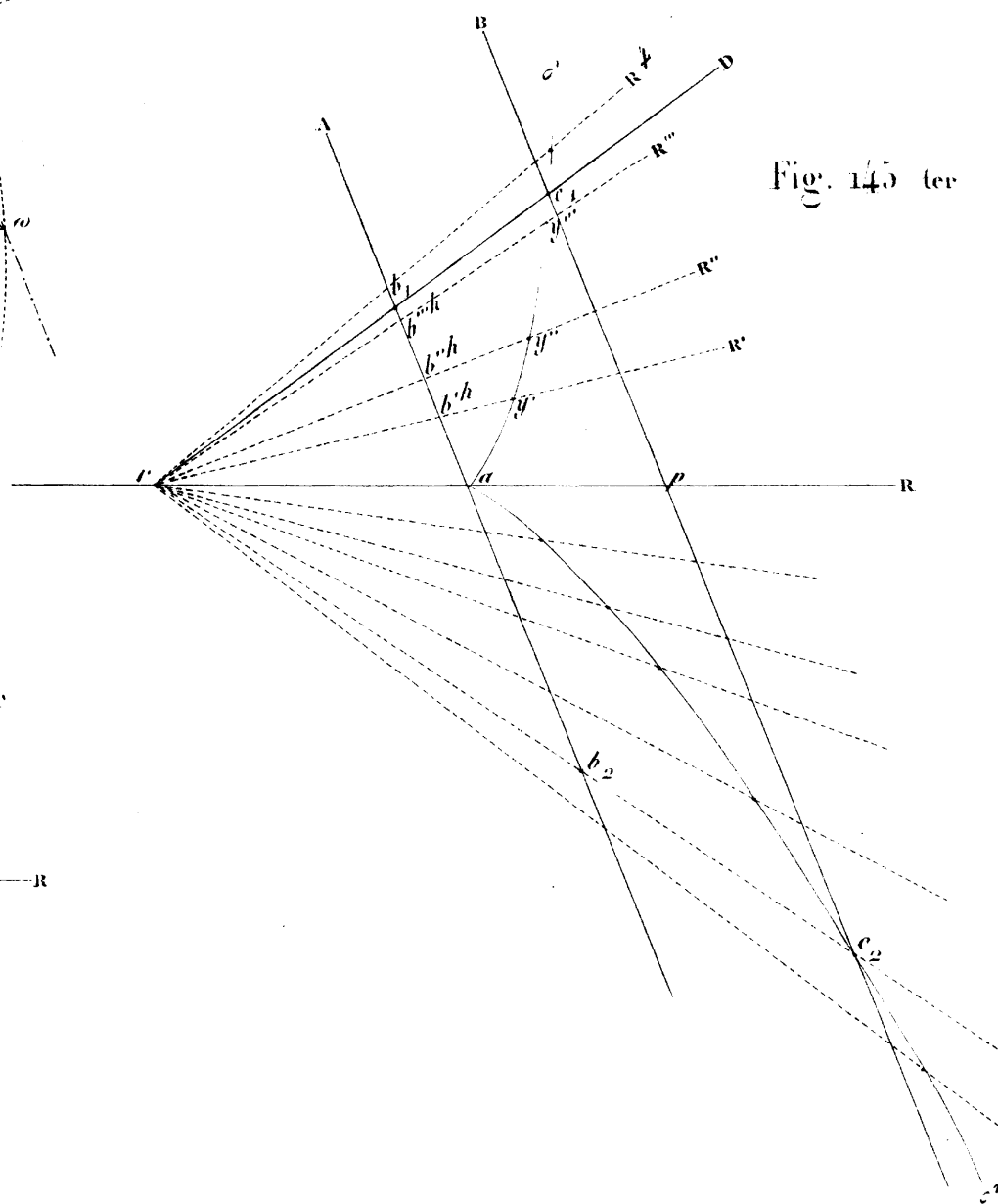


Fig. 145 ter



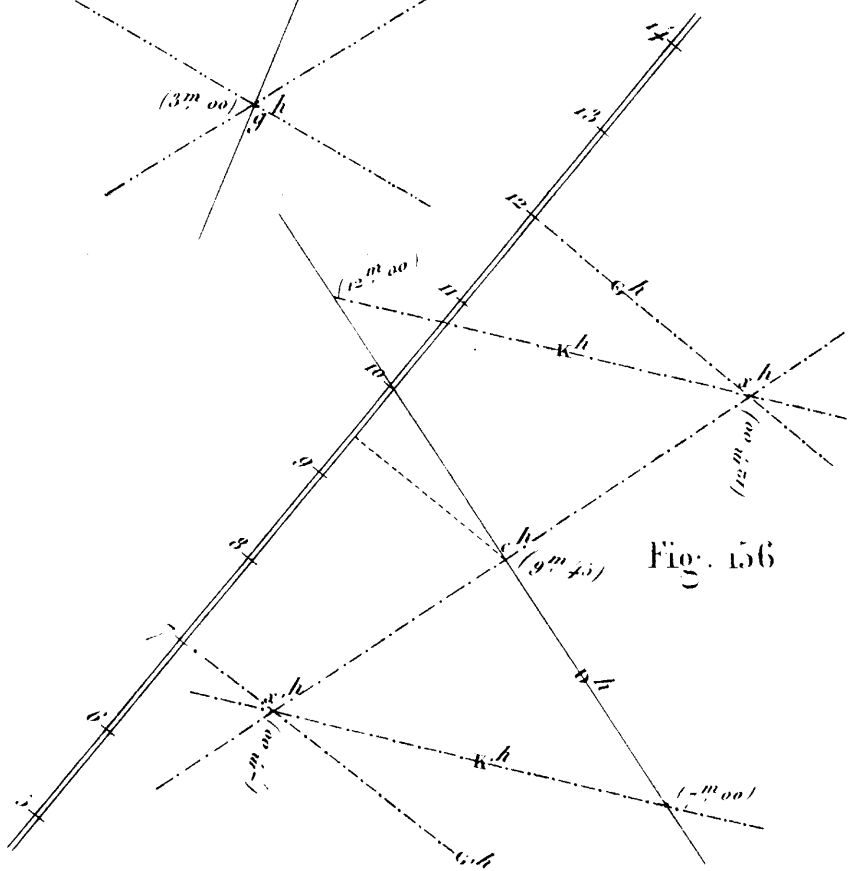
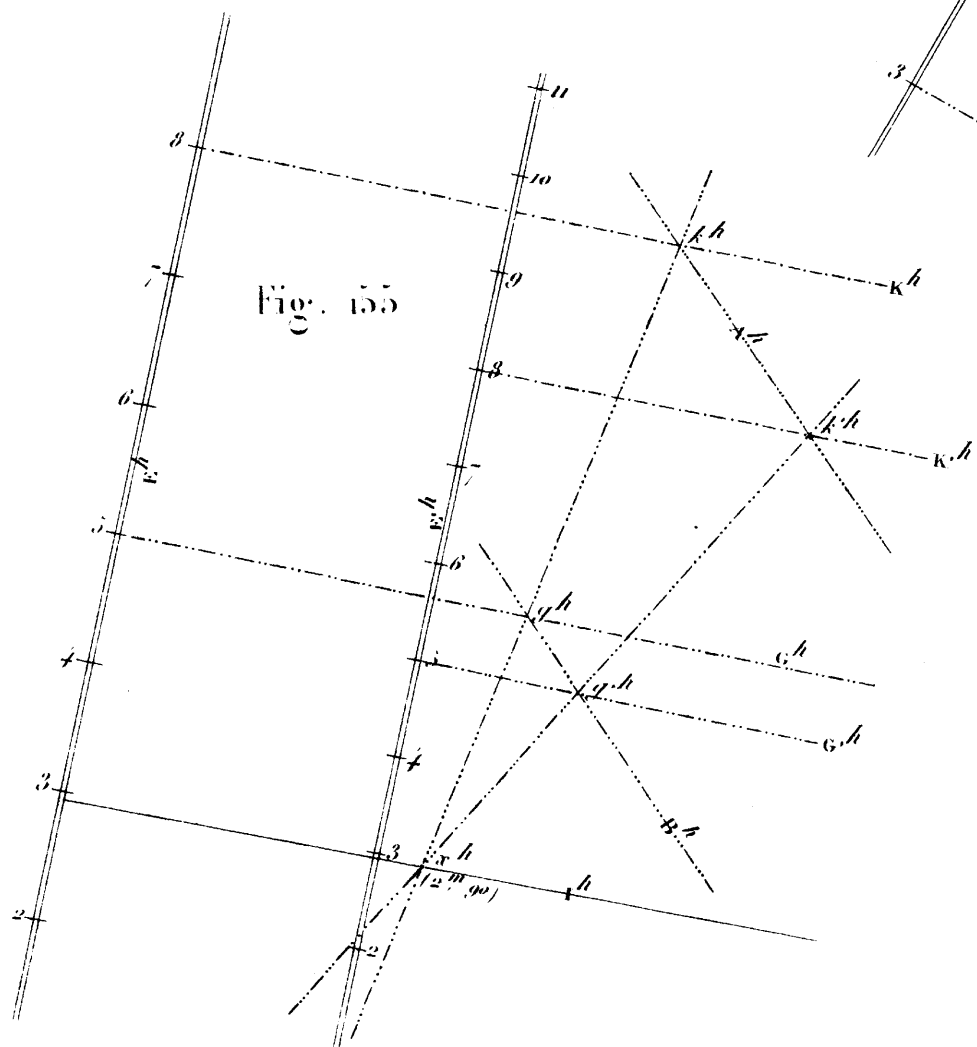
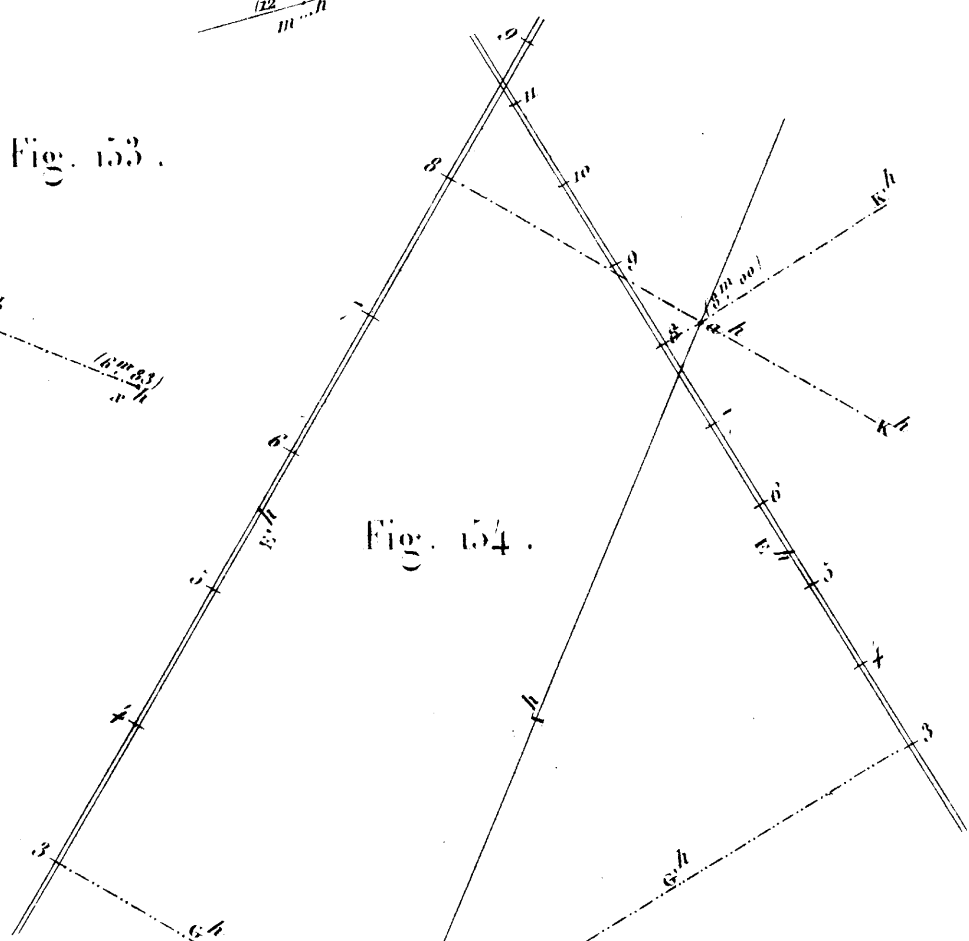
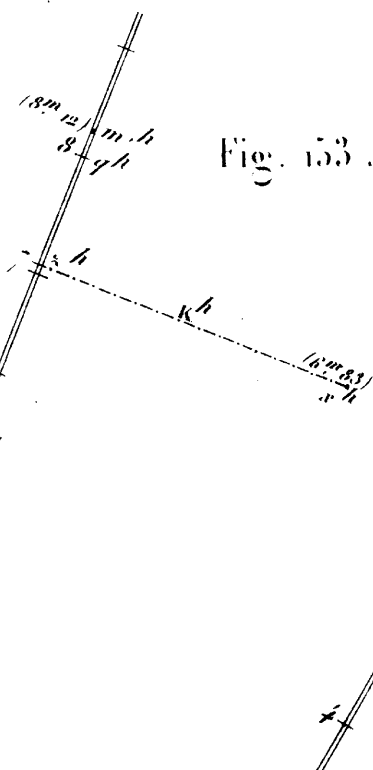
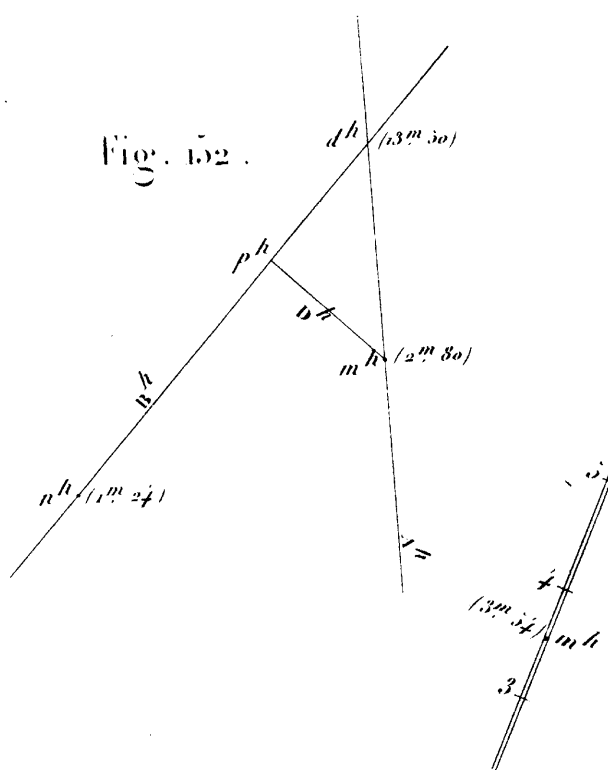
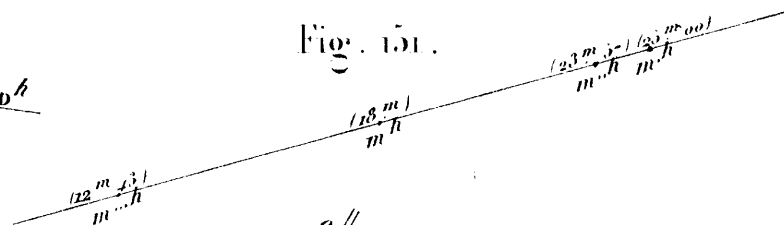
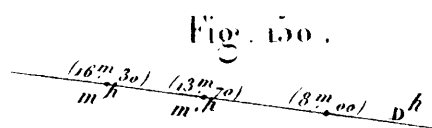
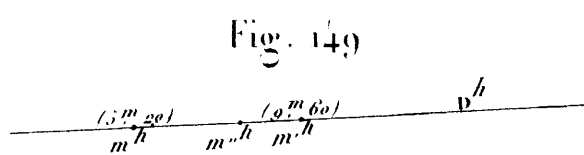
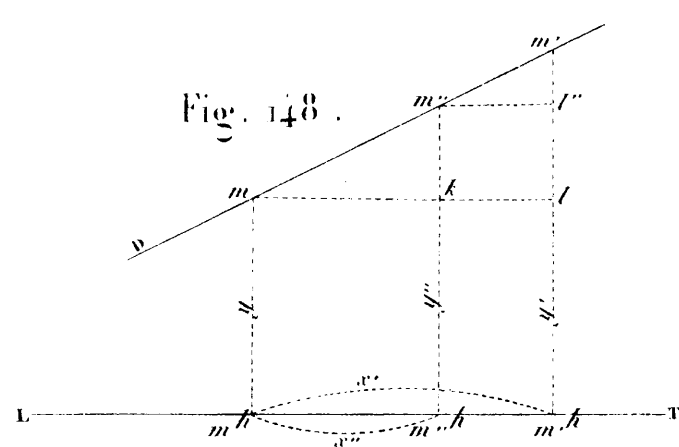
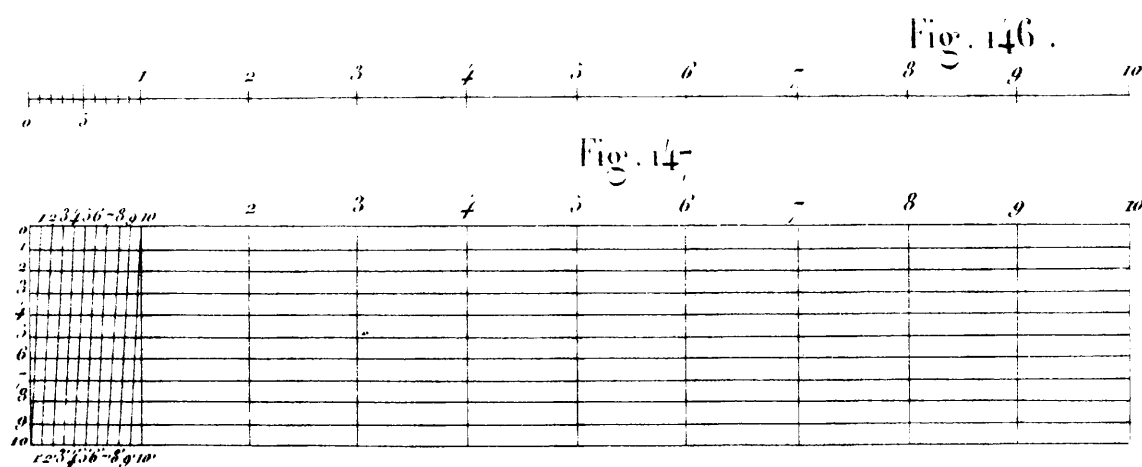


Fig. 157 .

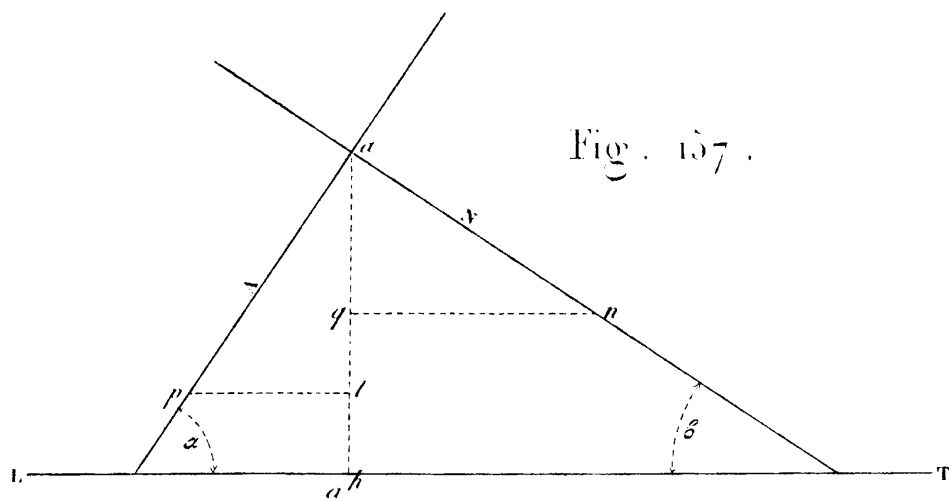


Fig. 158 .

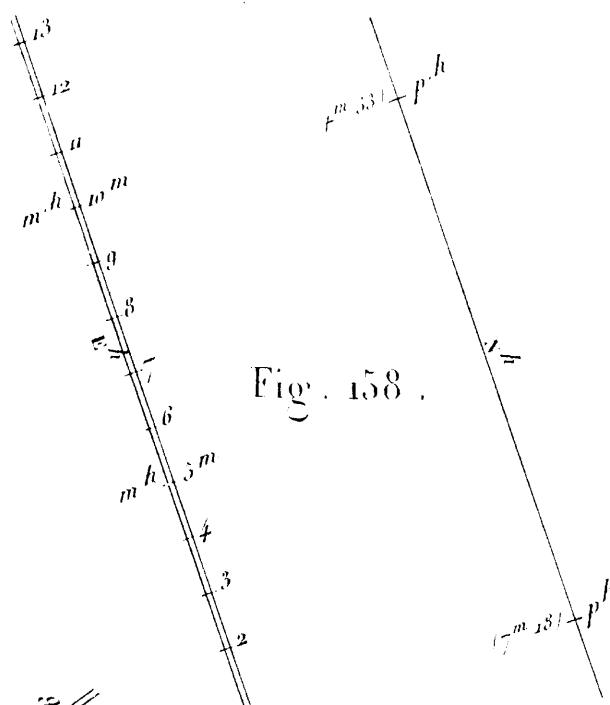


Fig. 159 .

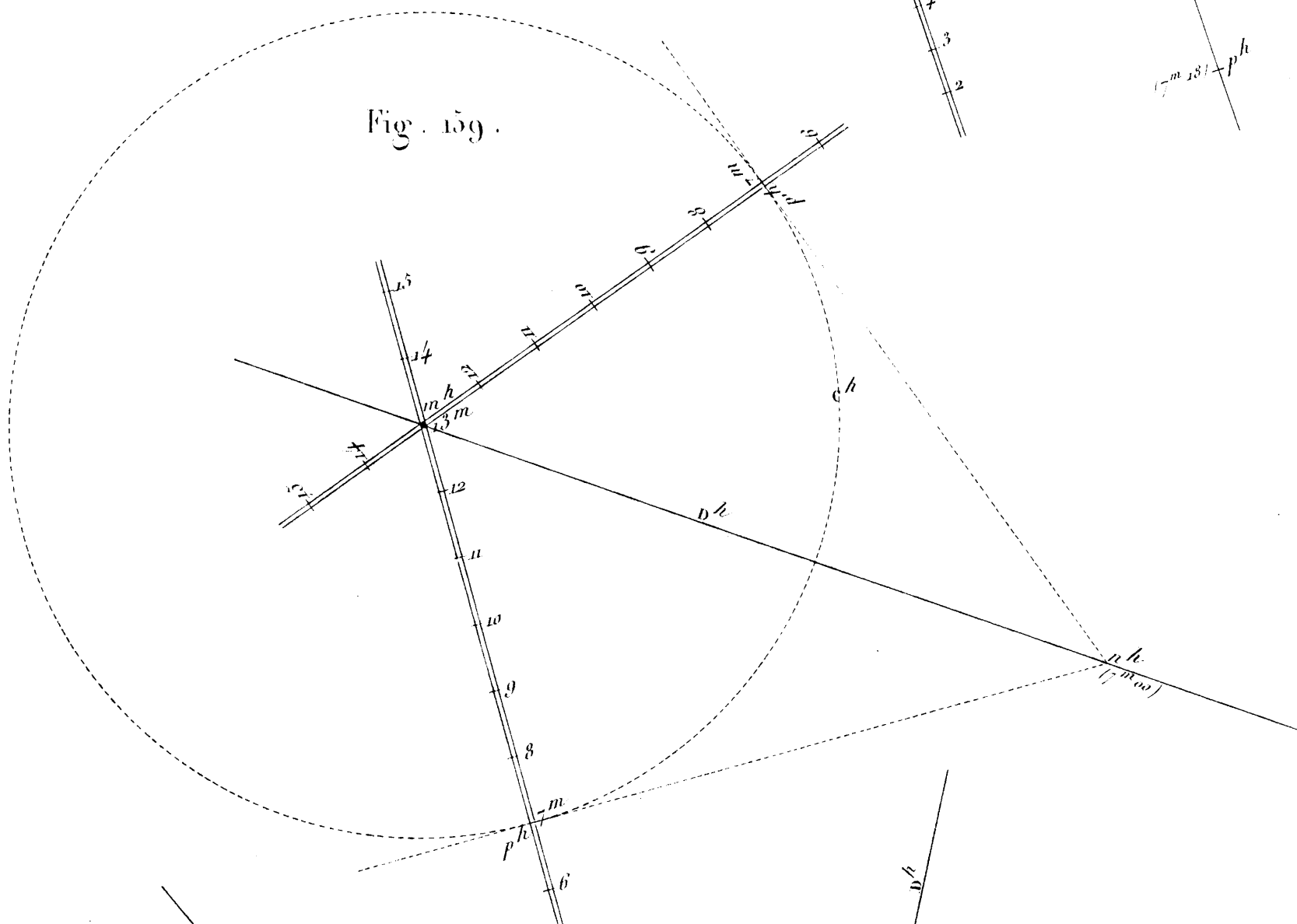


Fig. 160 .

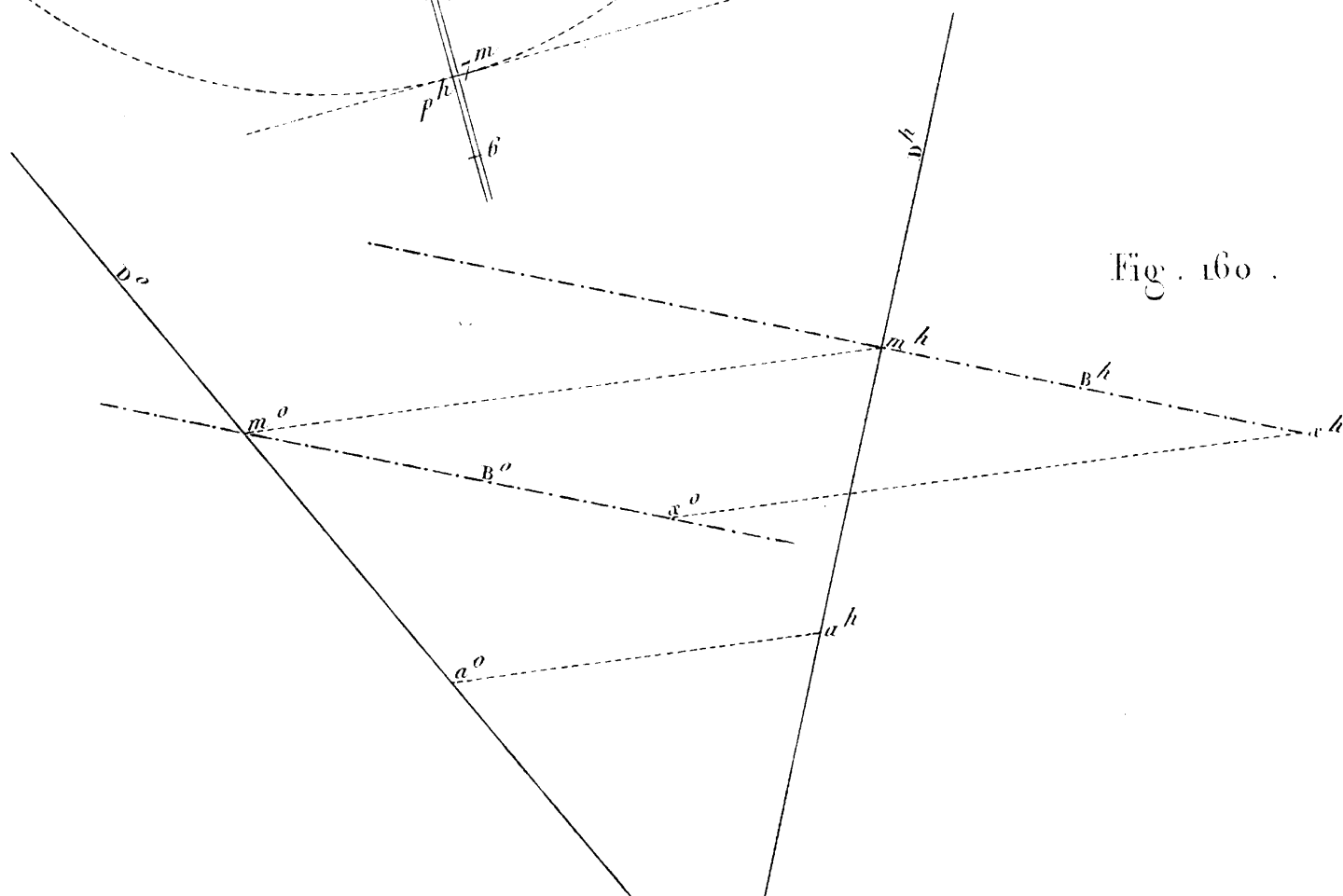


Fig. 162.

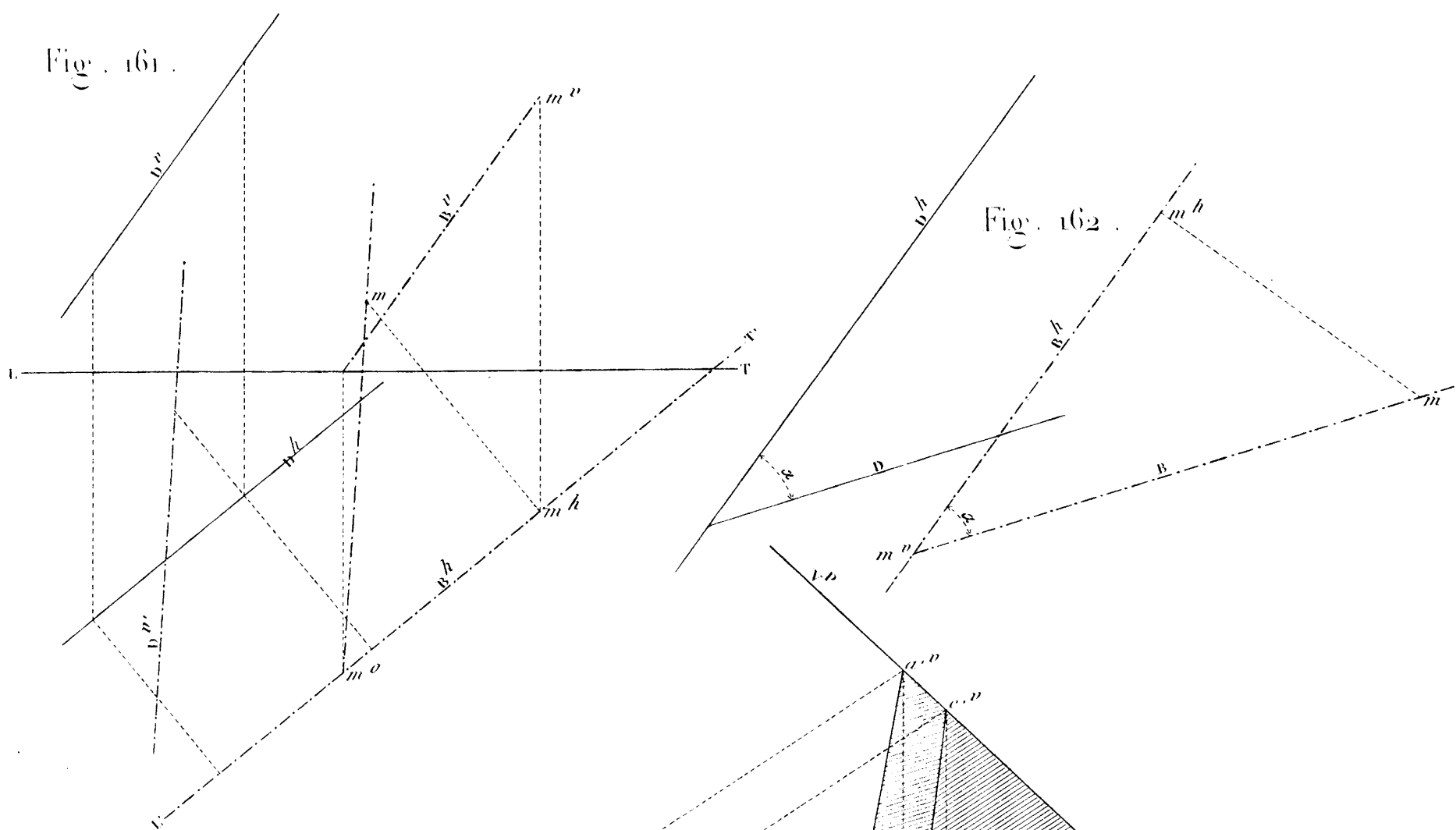
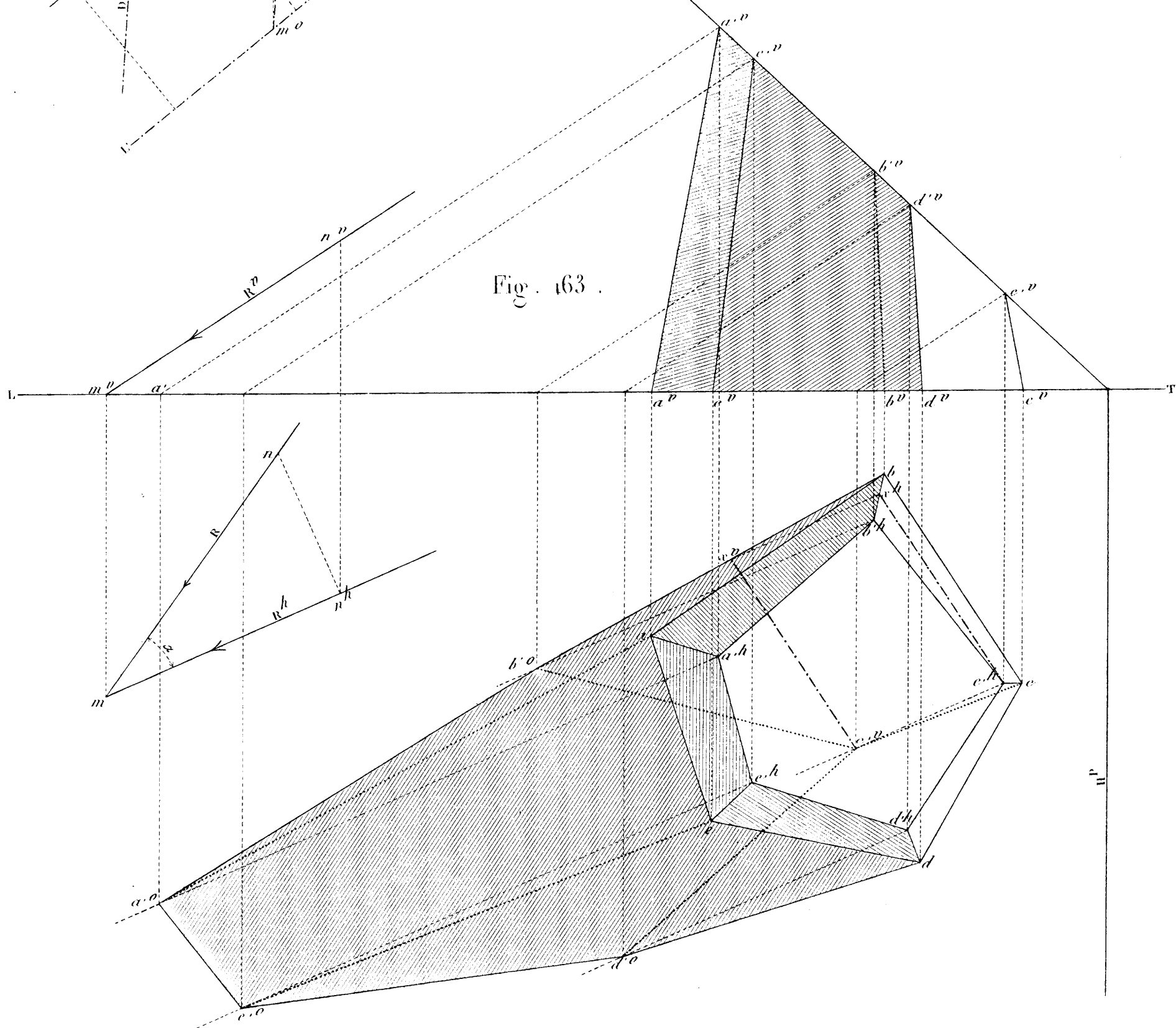
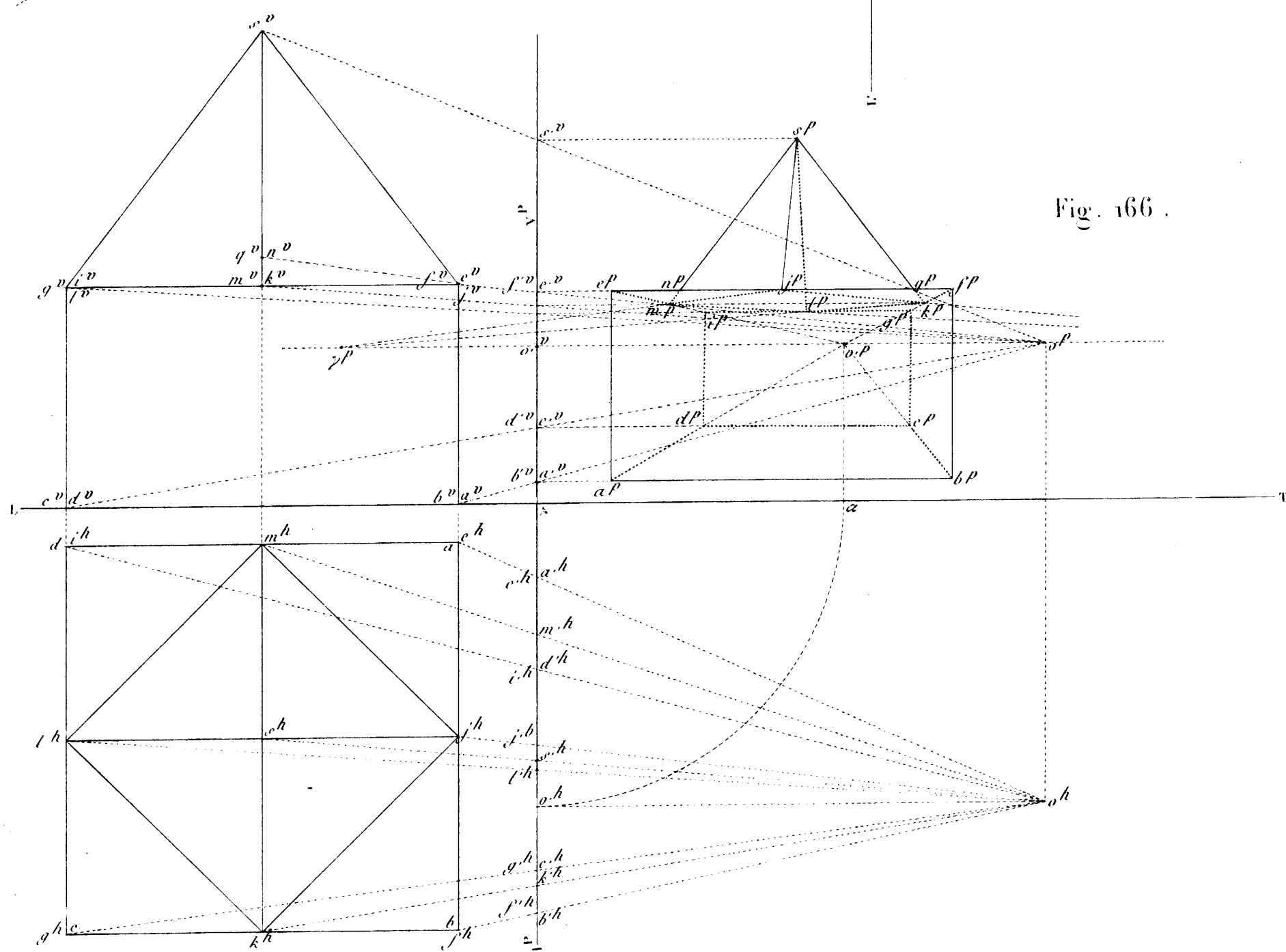
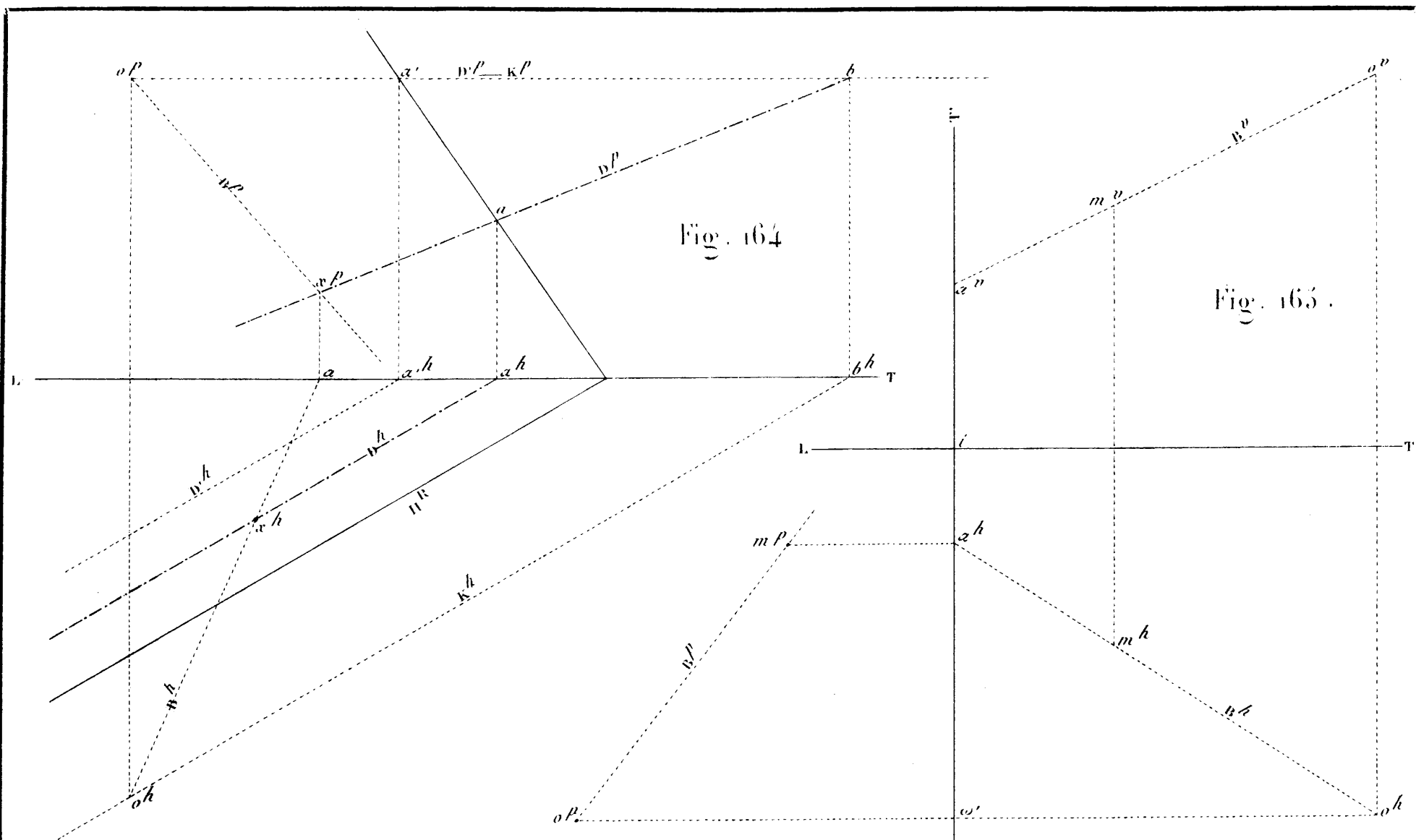


Fig. 463.





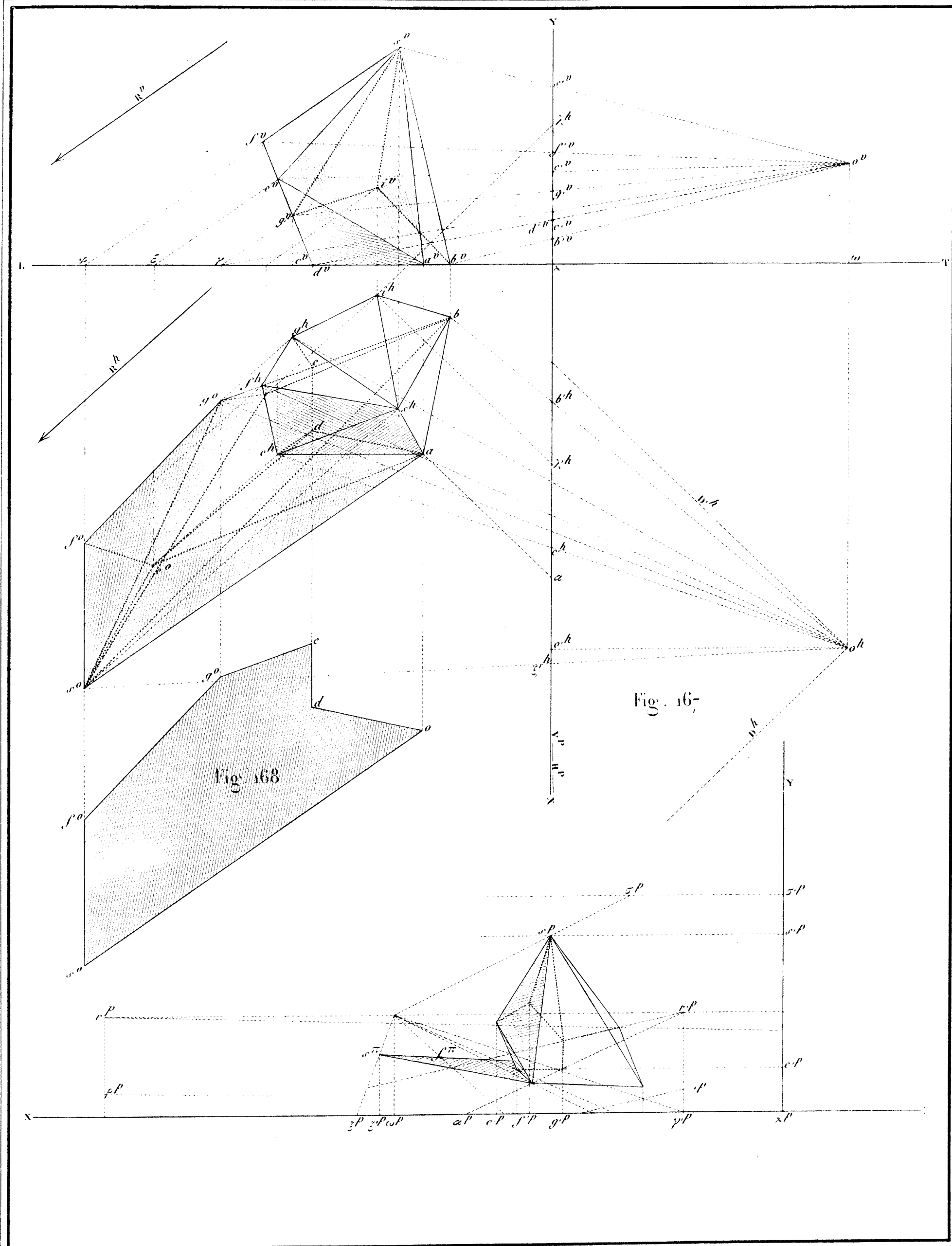


Fig. 169.

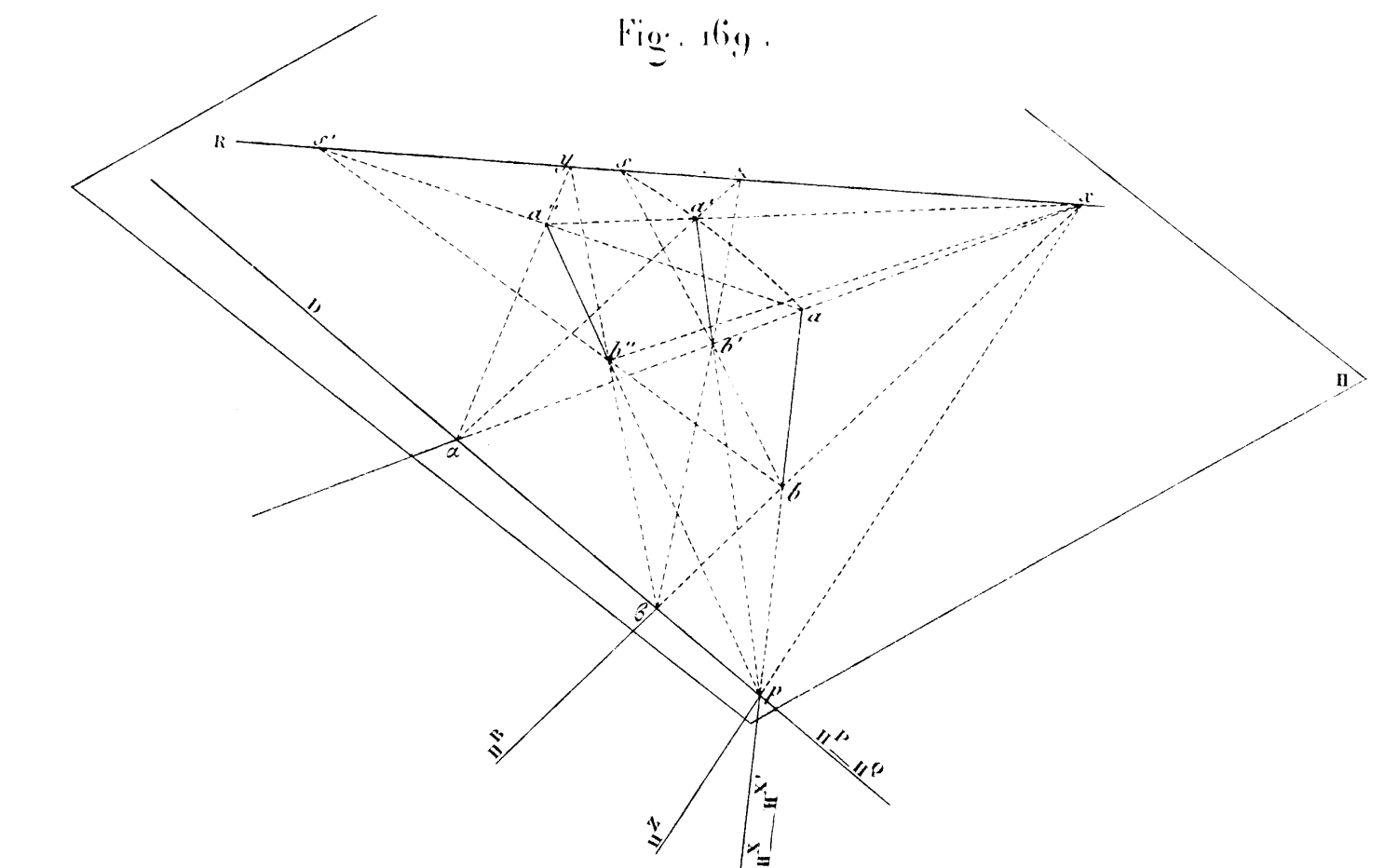


Fig. 169. a.

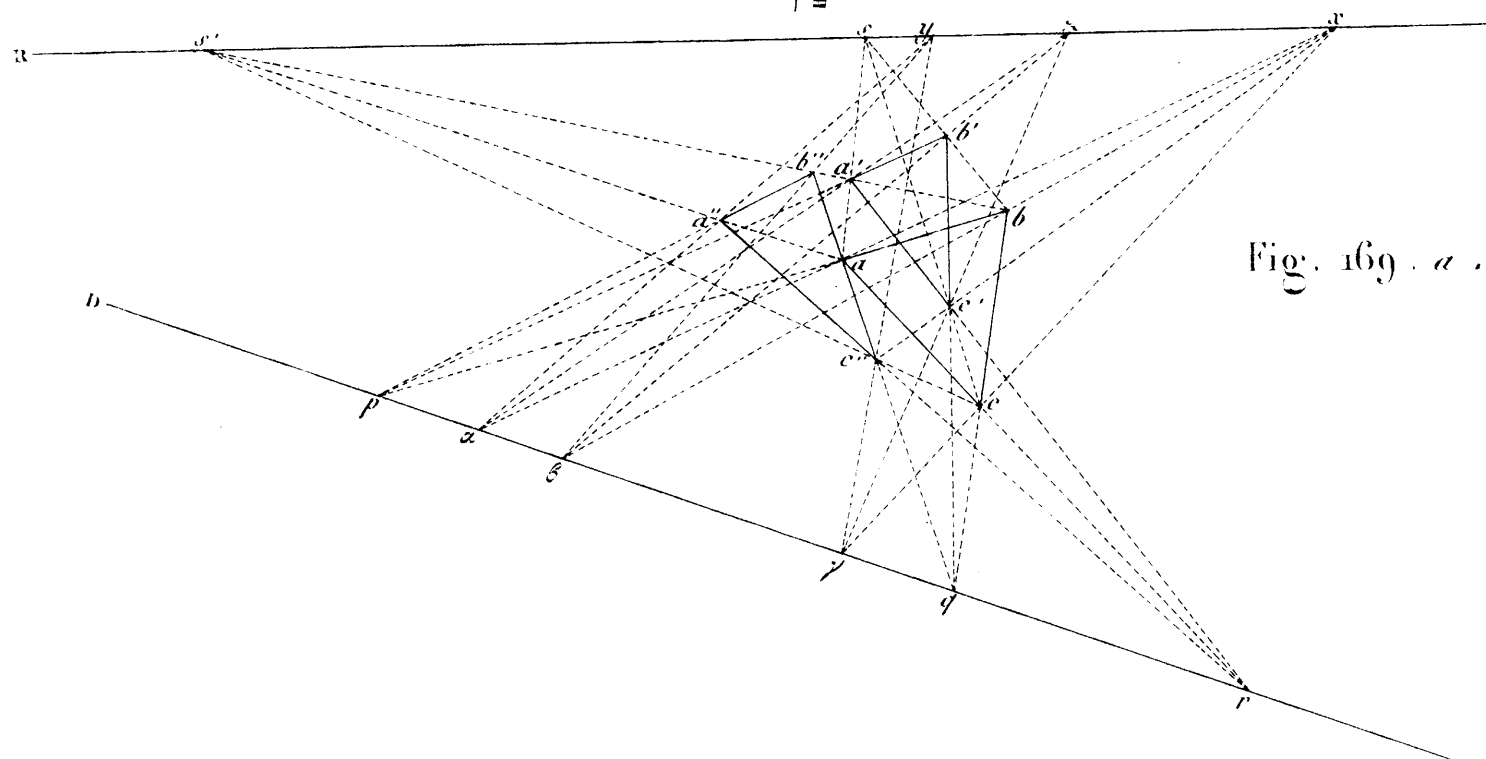


Fig. 169. b.

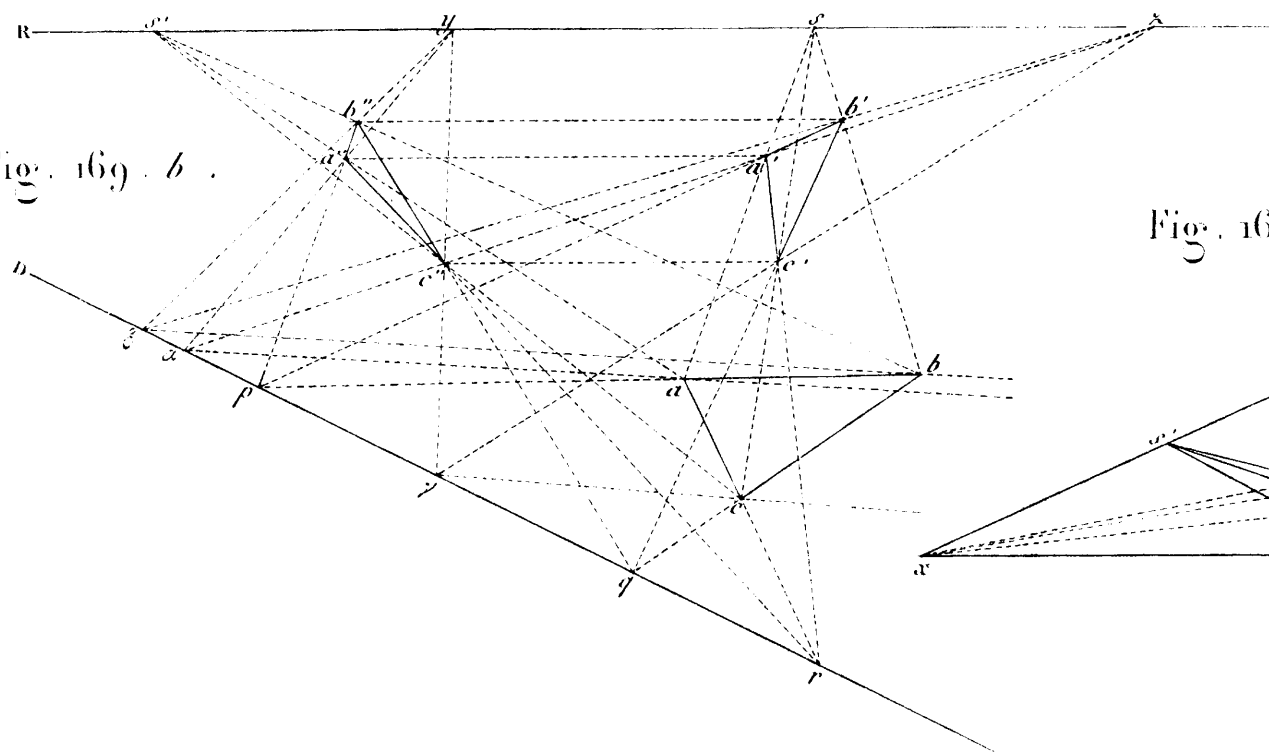


Fig. 169. c.

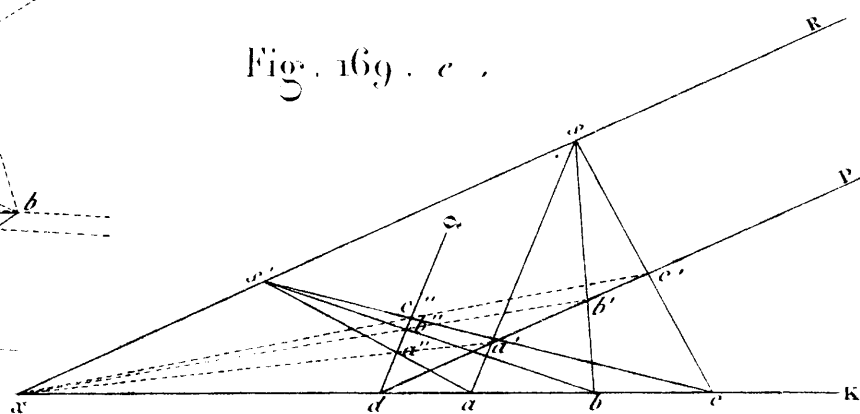


Fig. 169. e.

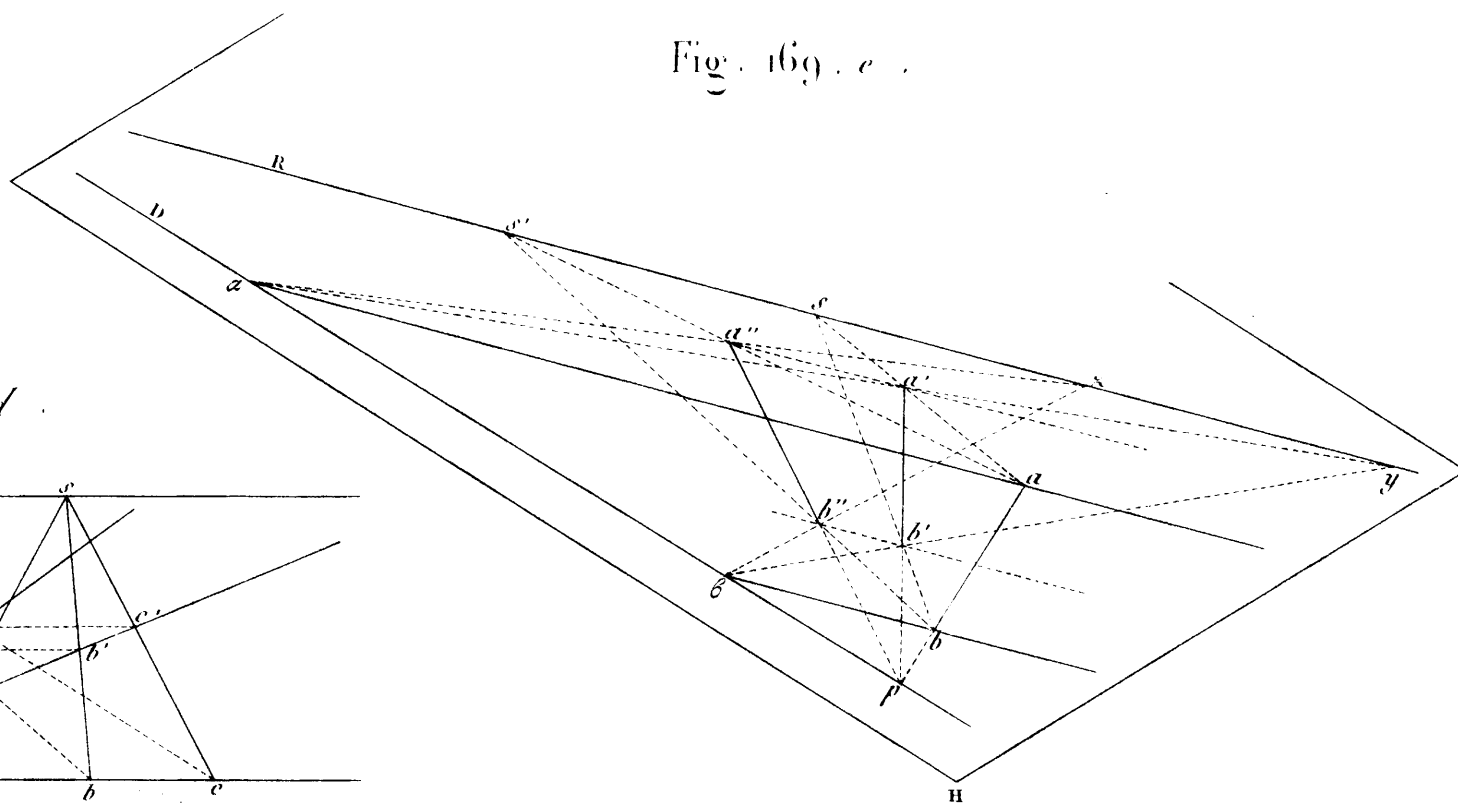


Fig. 169. d.

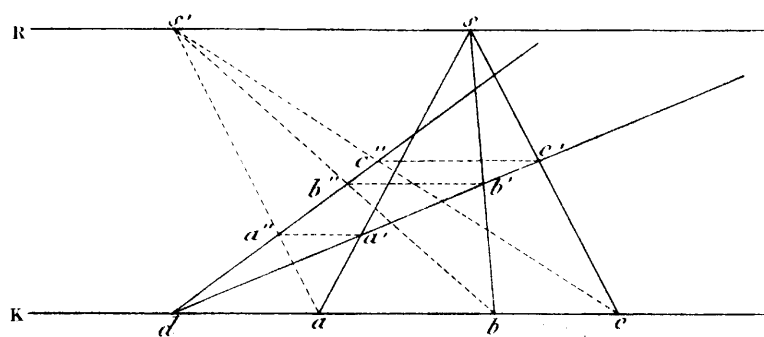


Fig. 169. k.

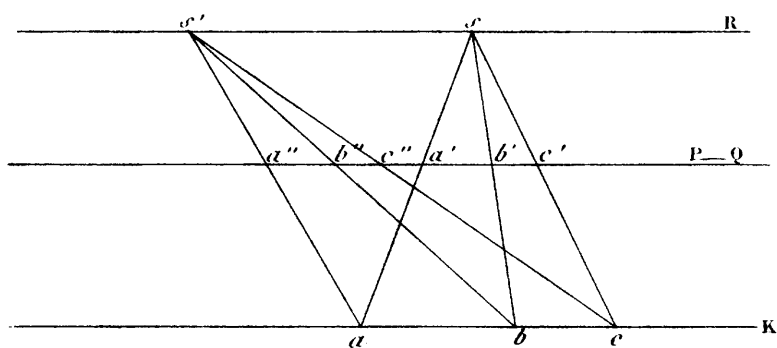


Fig. 169. h.

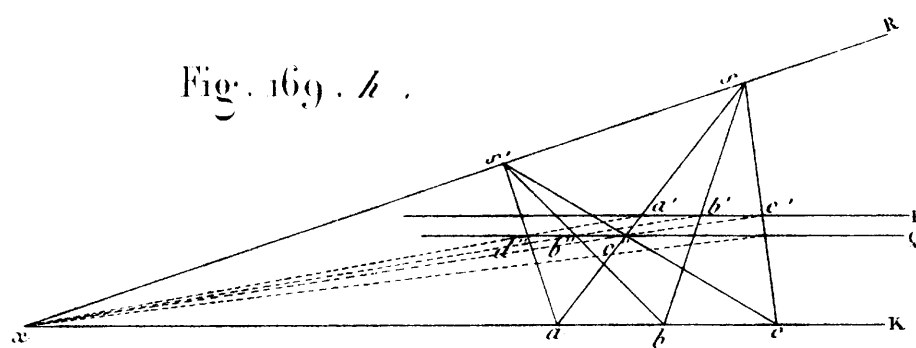


Fig. 169. f.

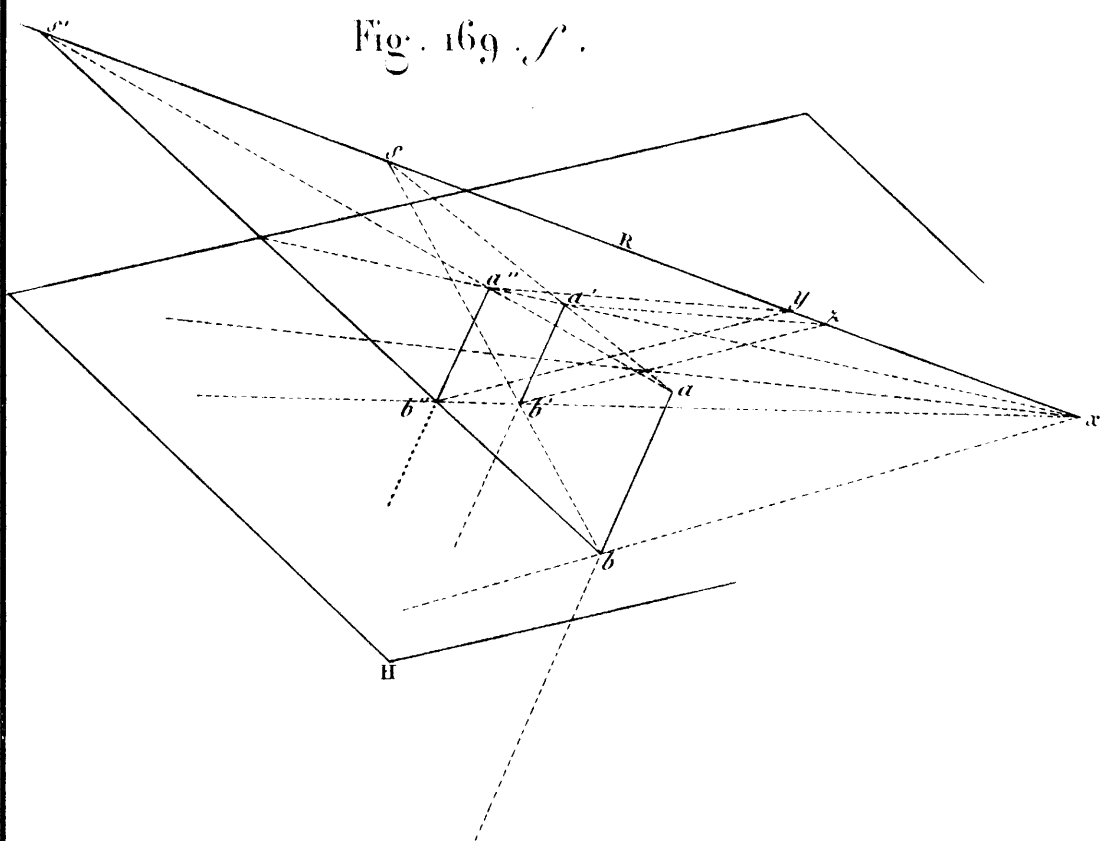


Fig. 169. g.

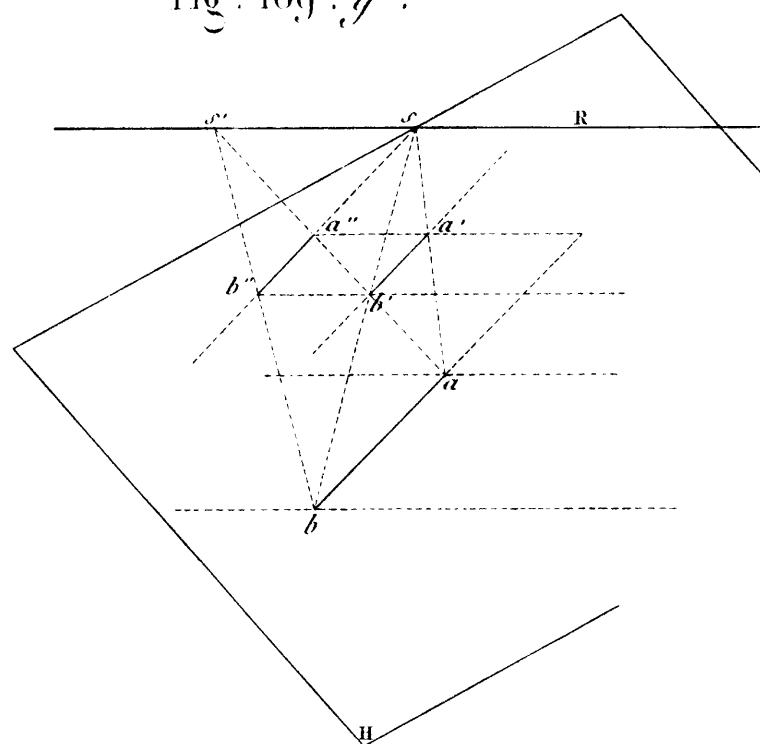


Fig. 170

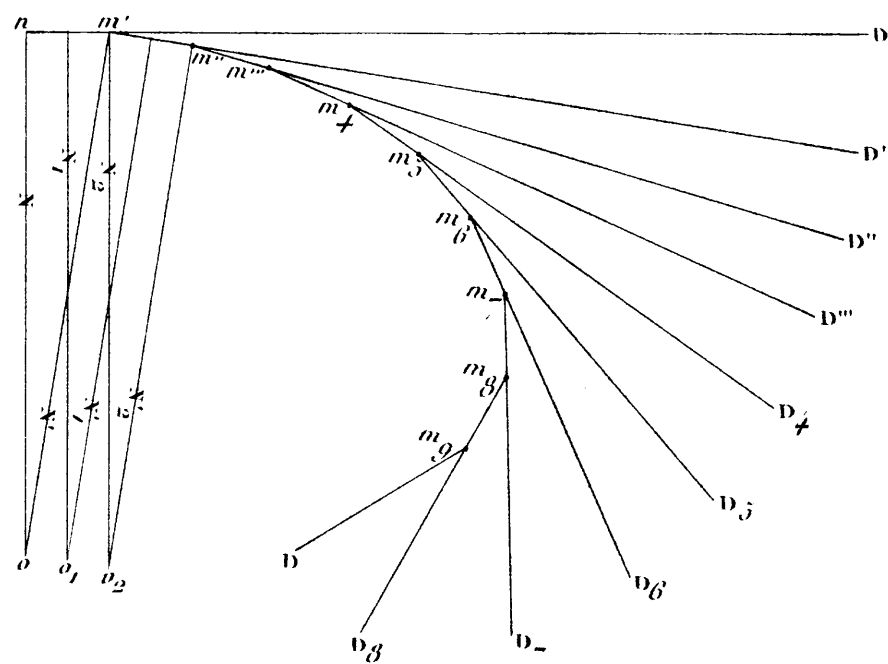


Fig. 171

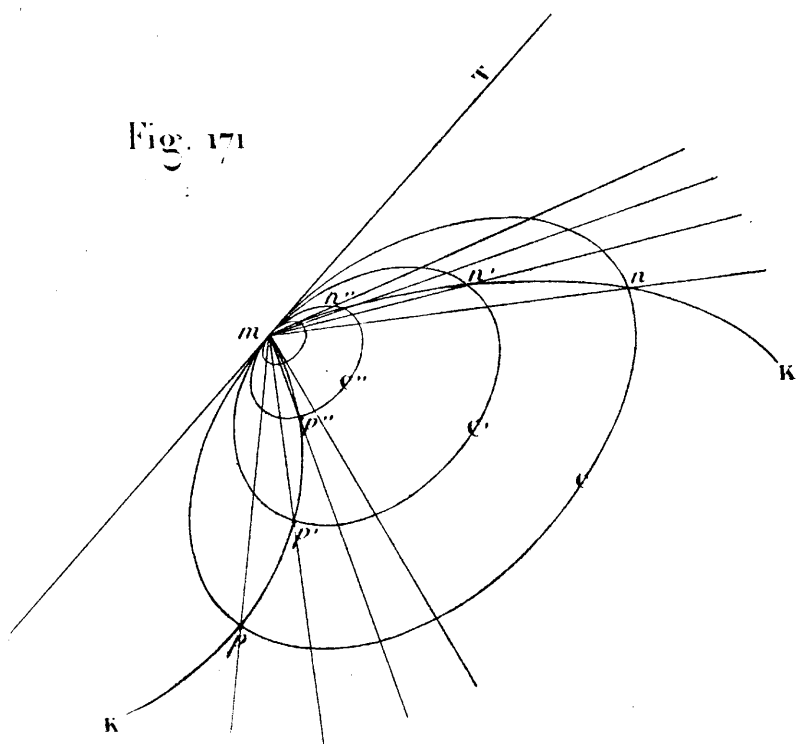


Fig. 172

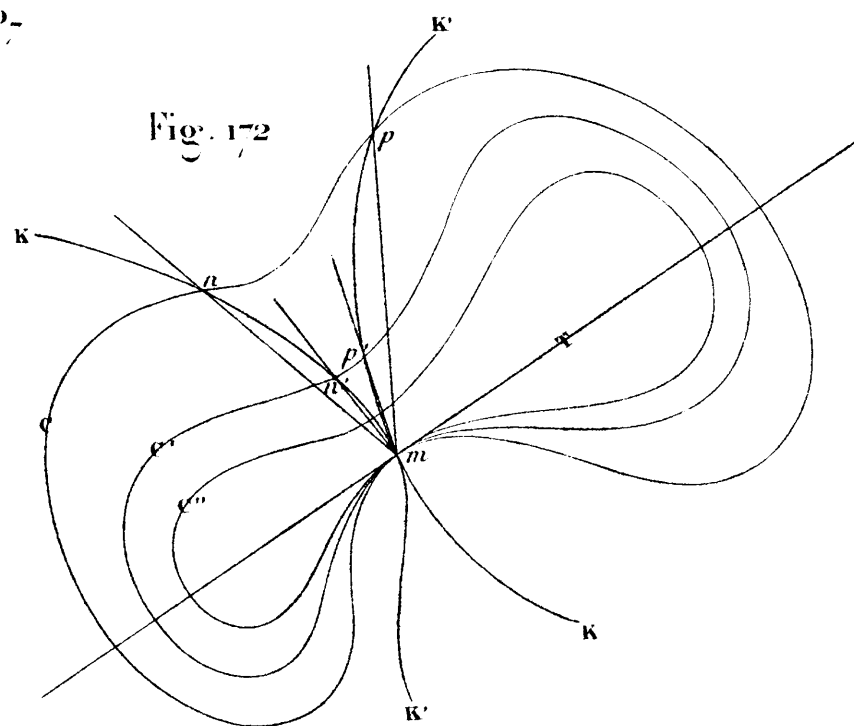


Fig. 173

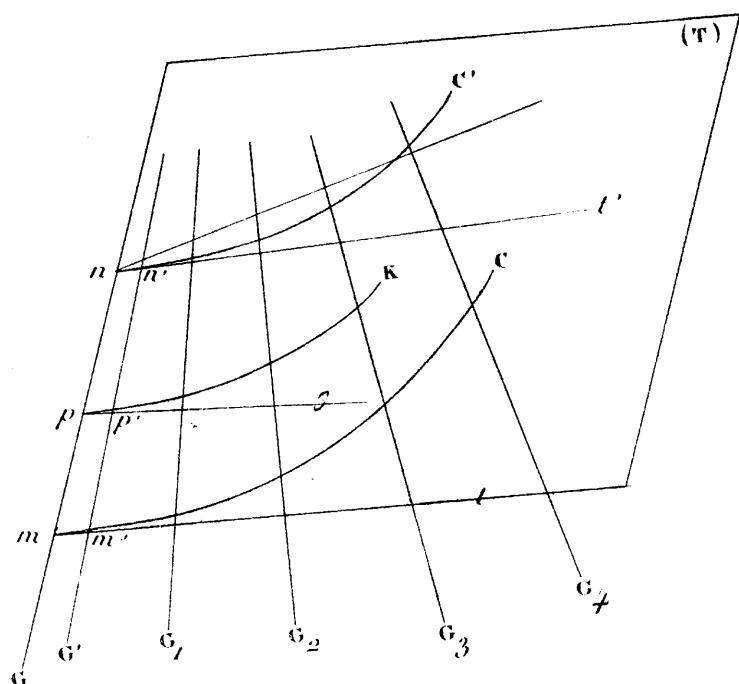


Fig. 174

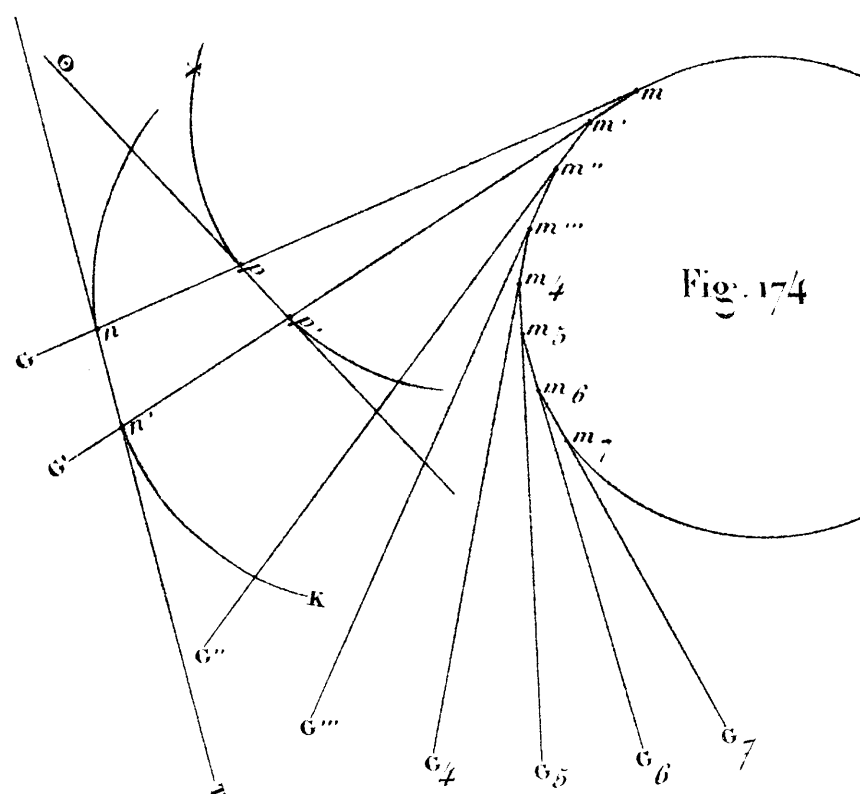


Fig. 175

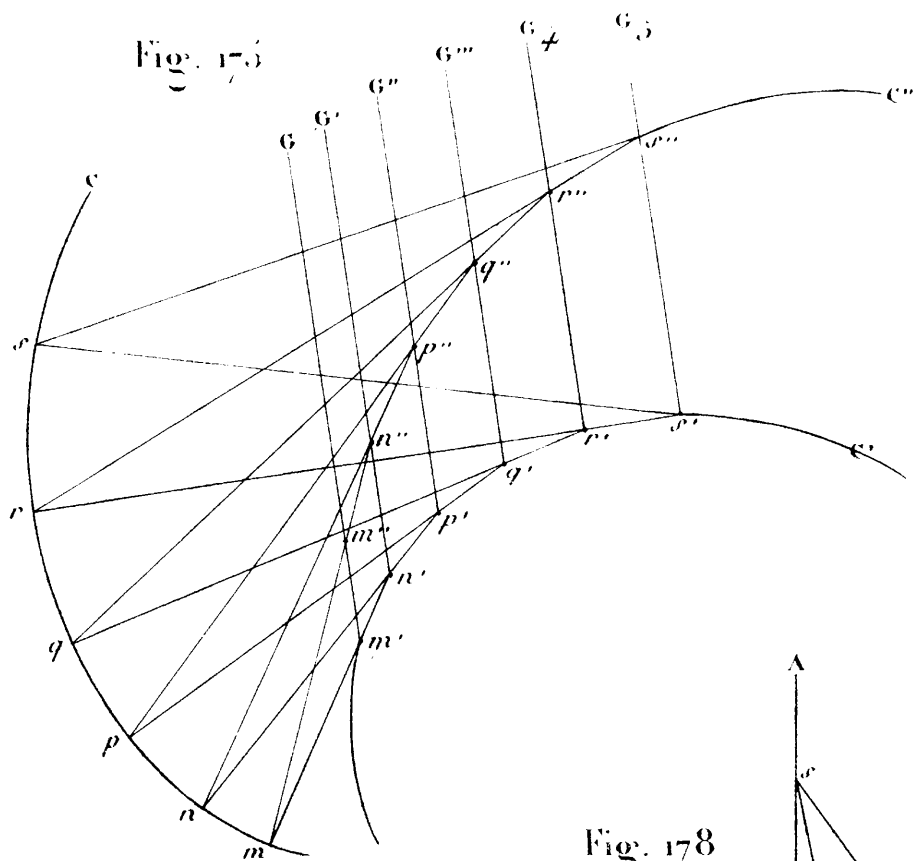


Fig. 176

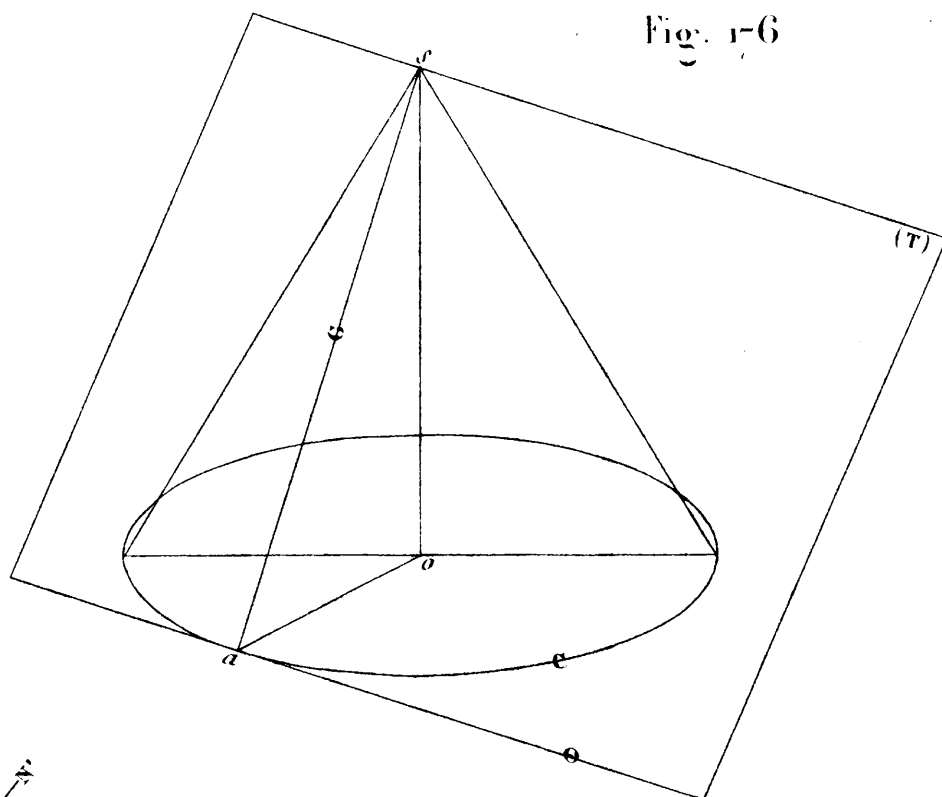


Fig. 178

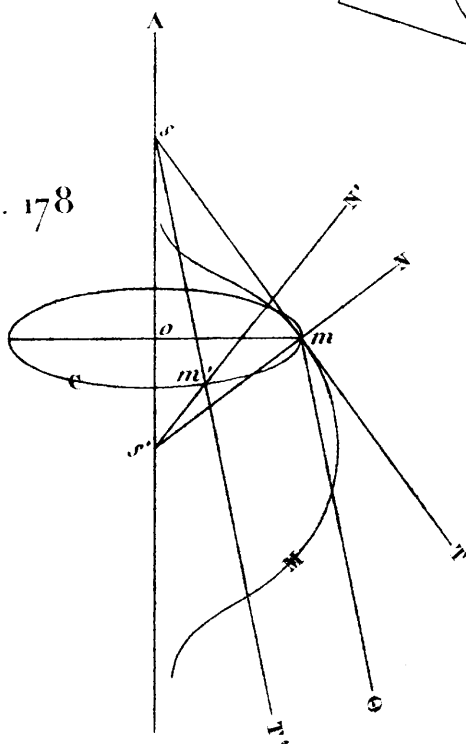


Fig. 177

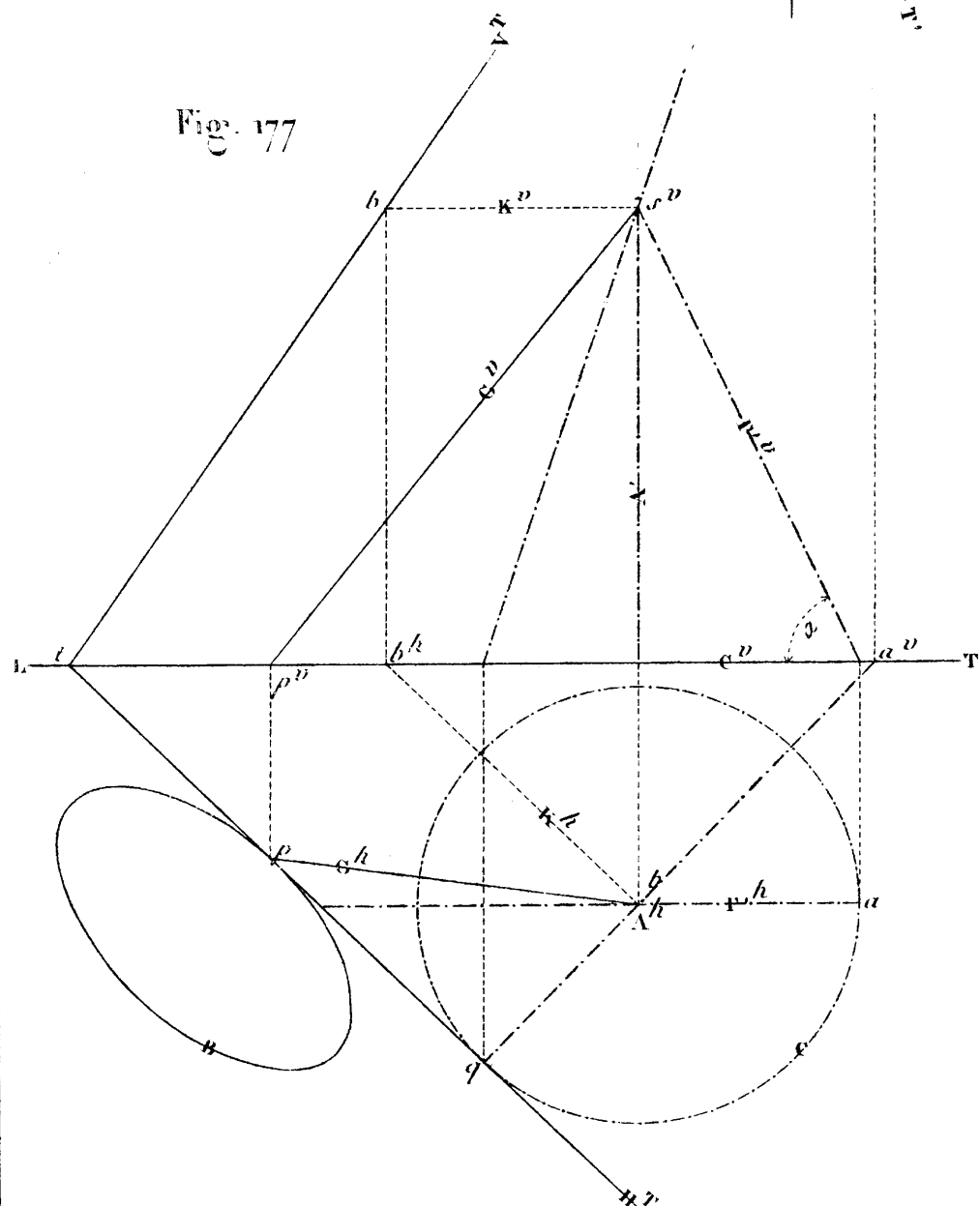


Fig. 179

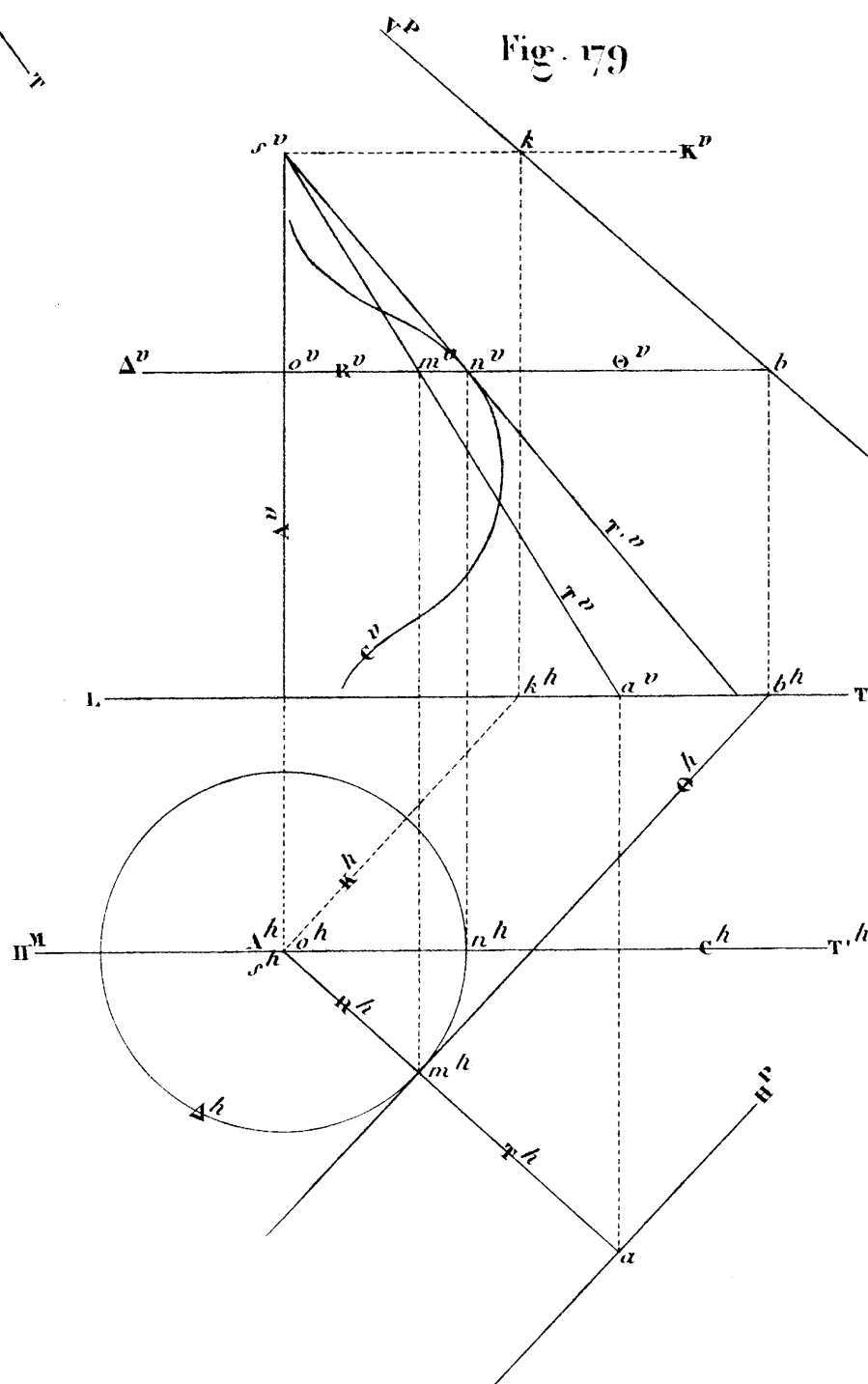


Fig. 180

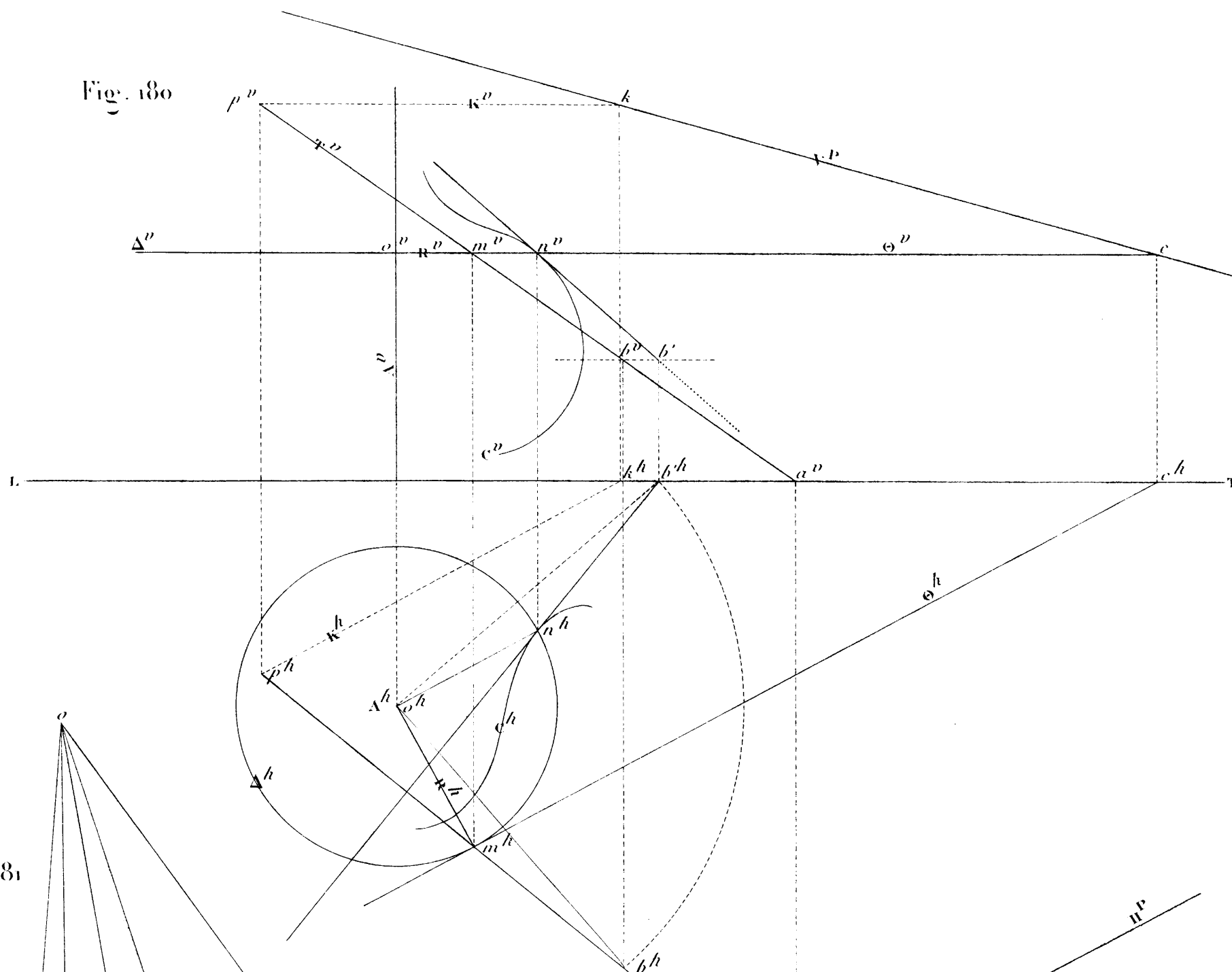


Fig. 181

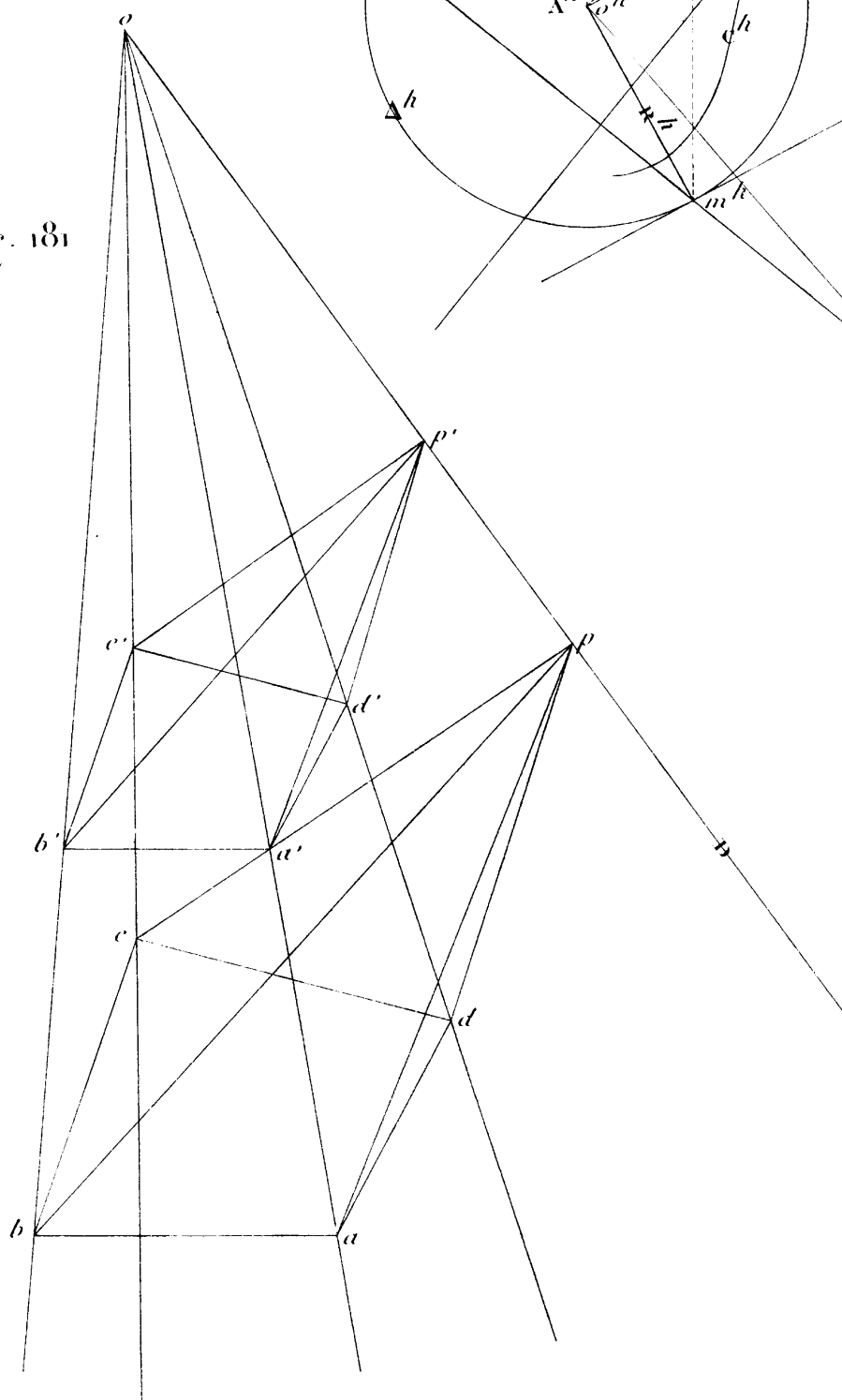


Fig. 182

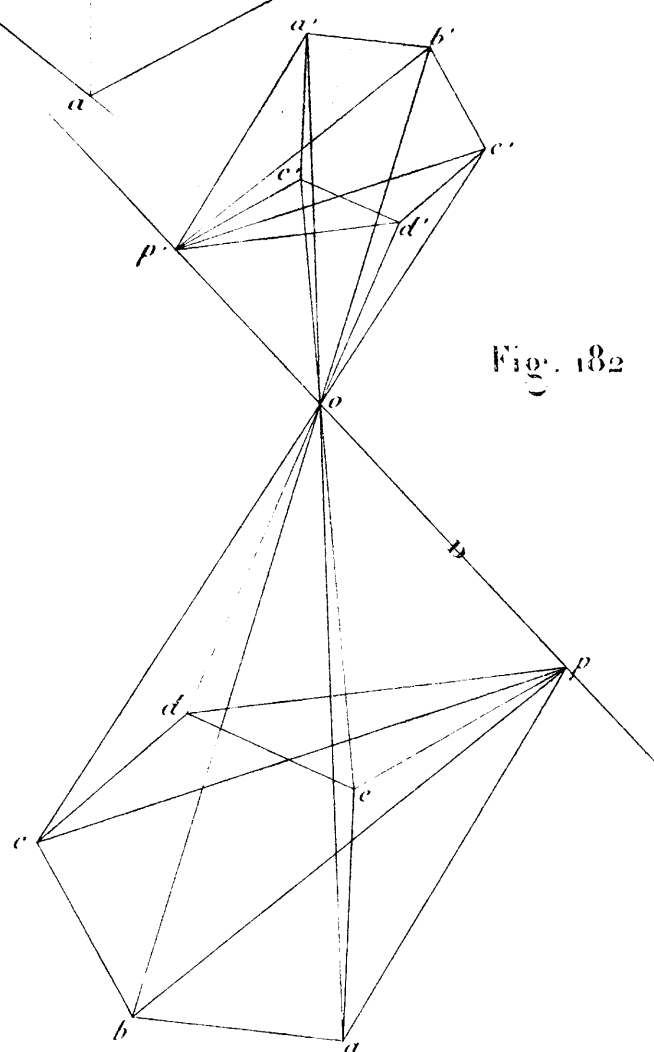


Fig. 183

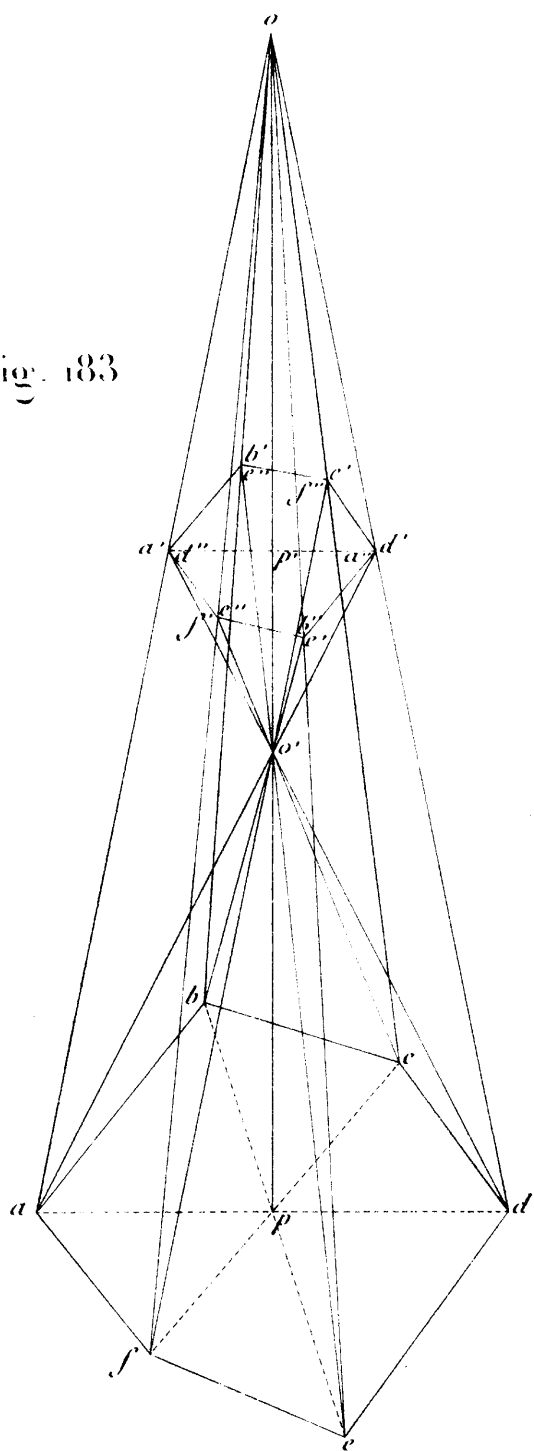


Fig. 184

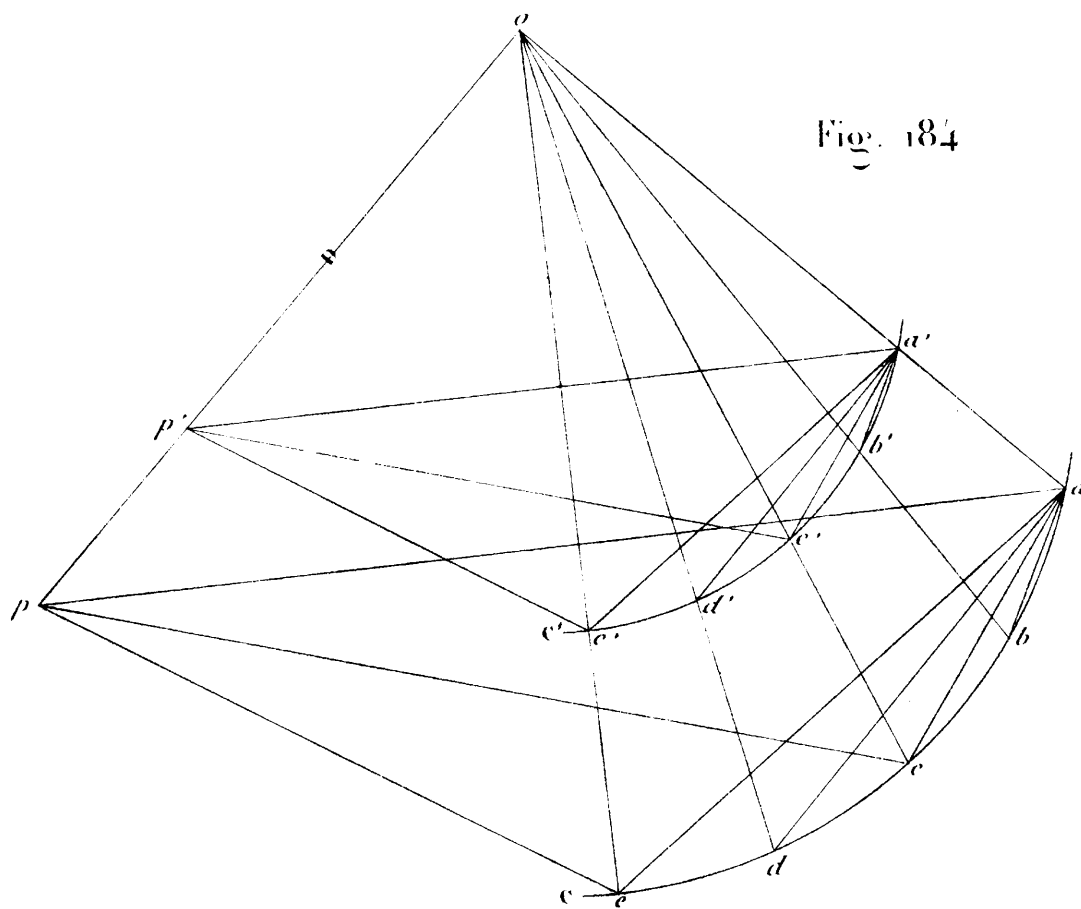


Fig. 186

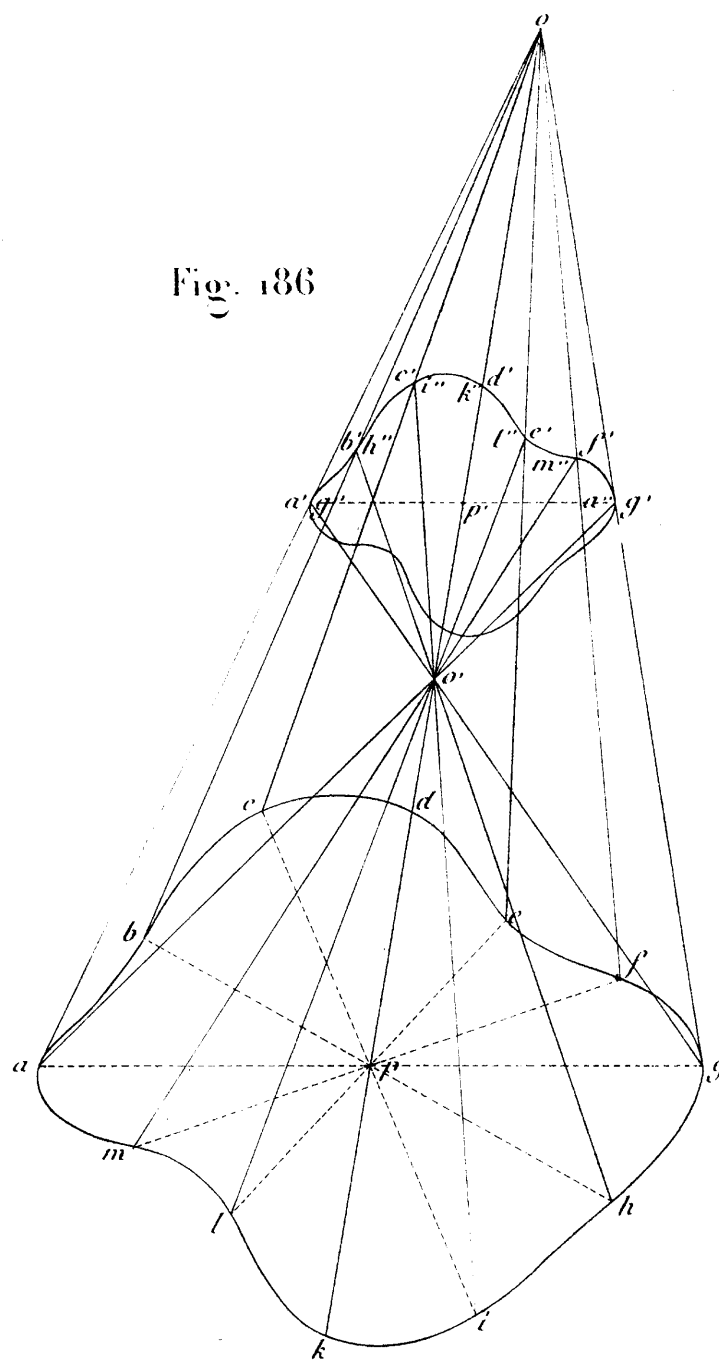


Fig. 185

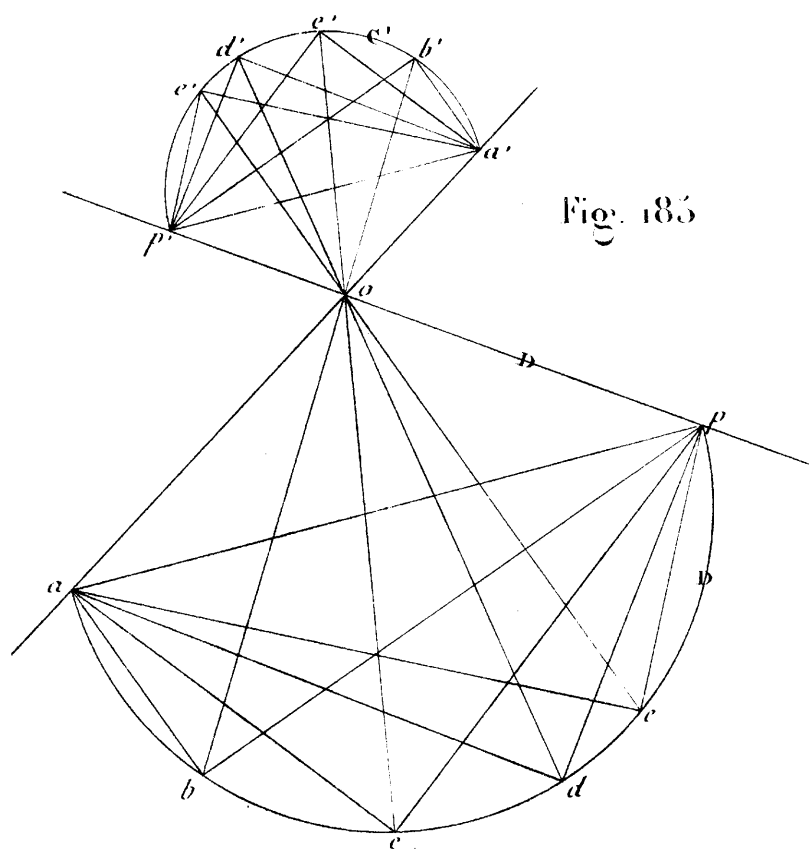


Fig. 187

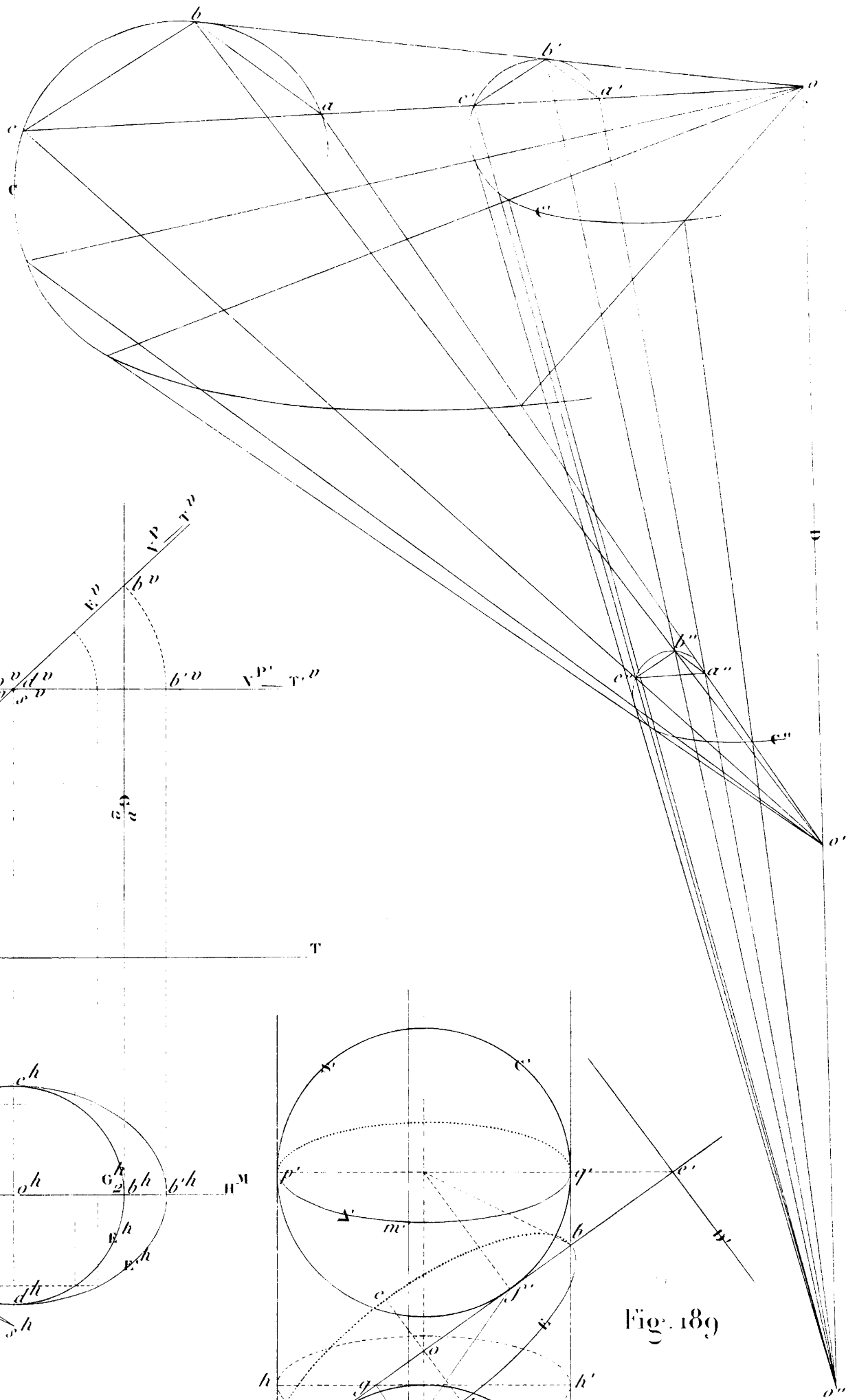


Fig. 188

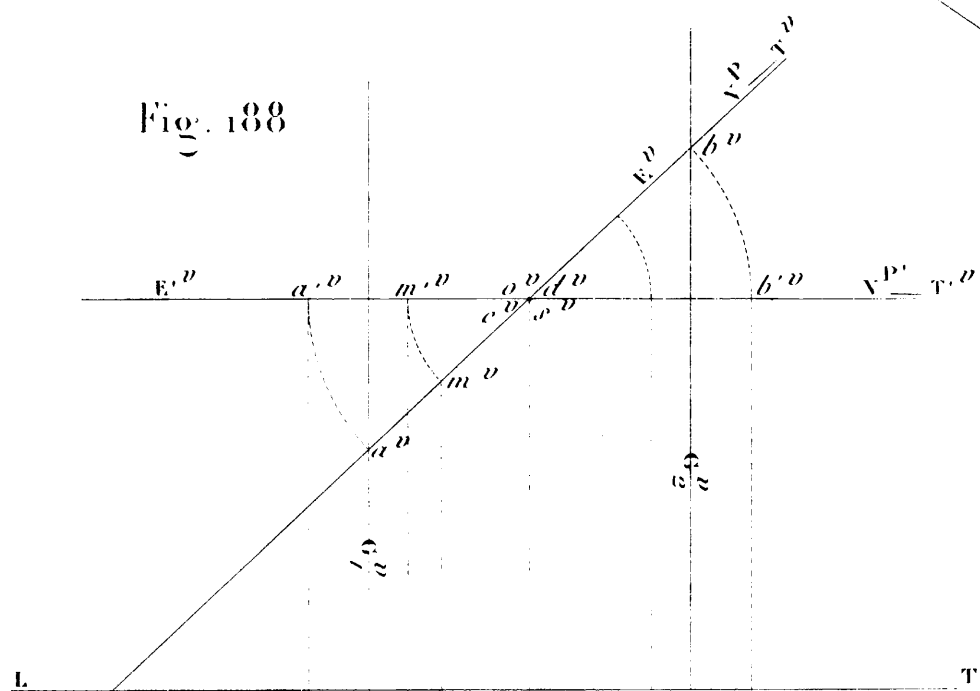


Fig. 189

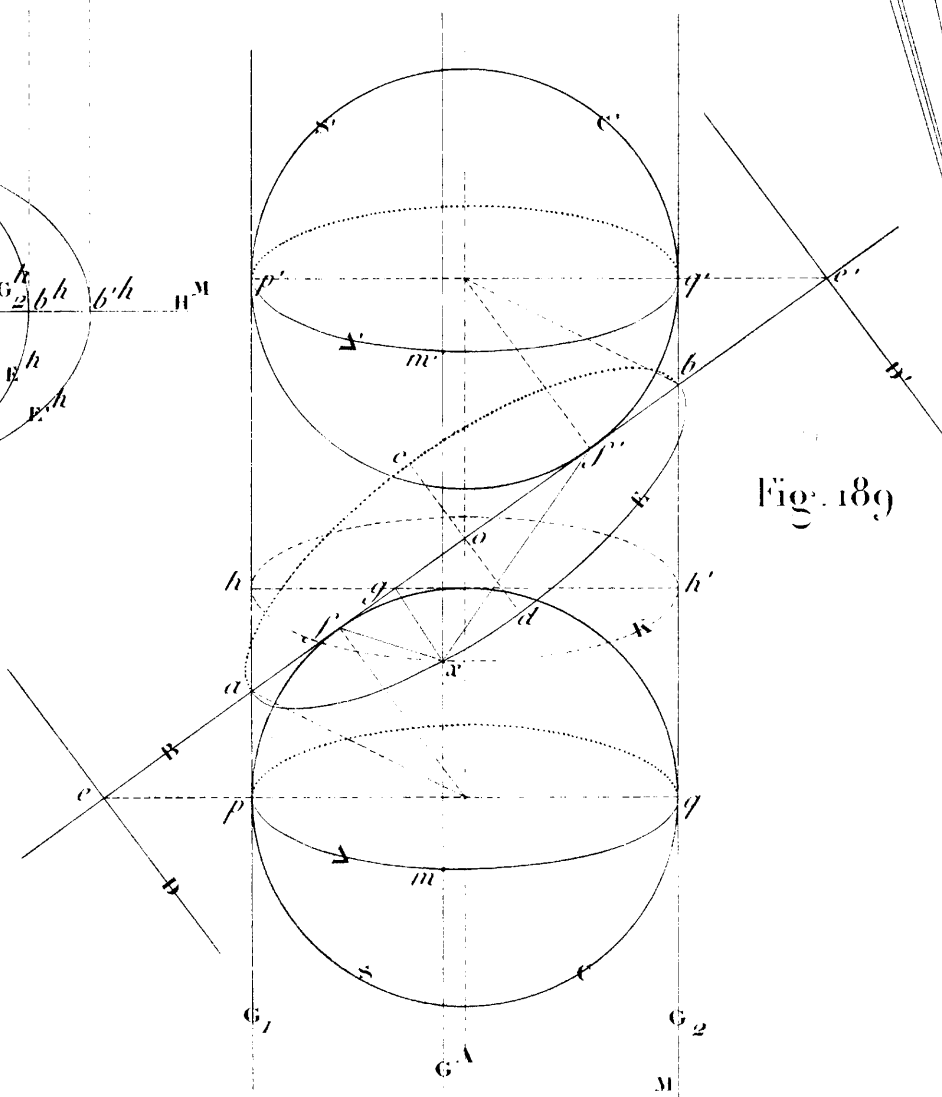


Fig. 190

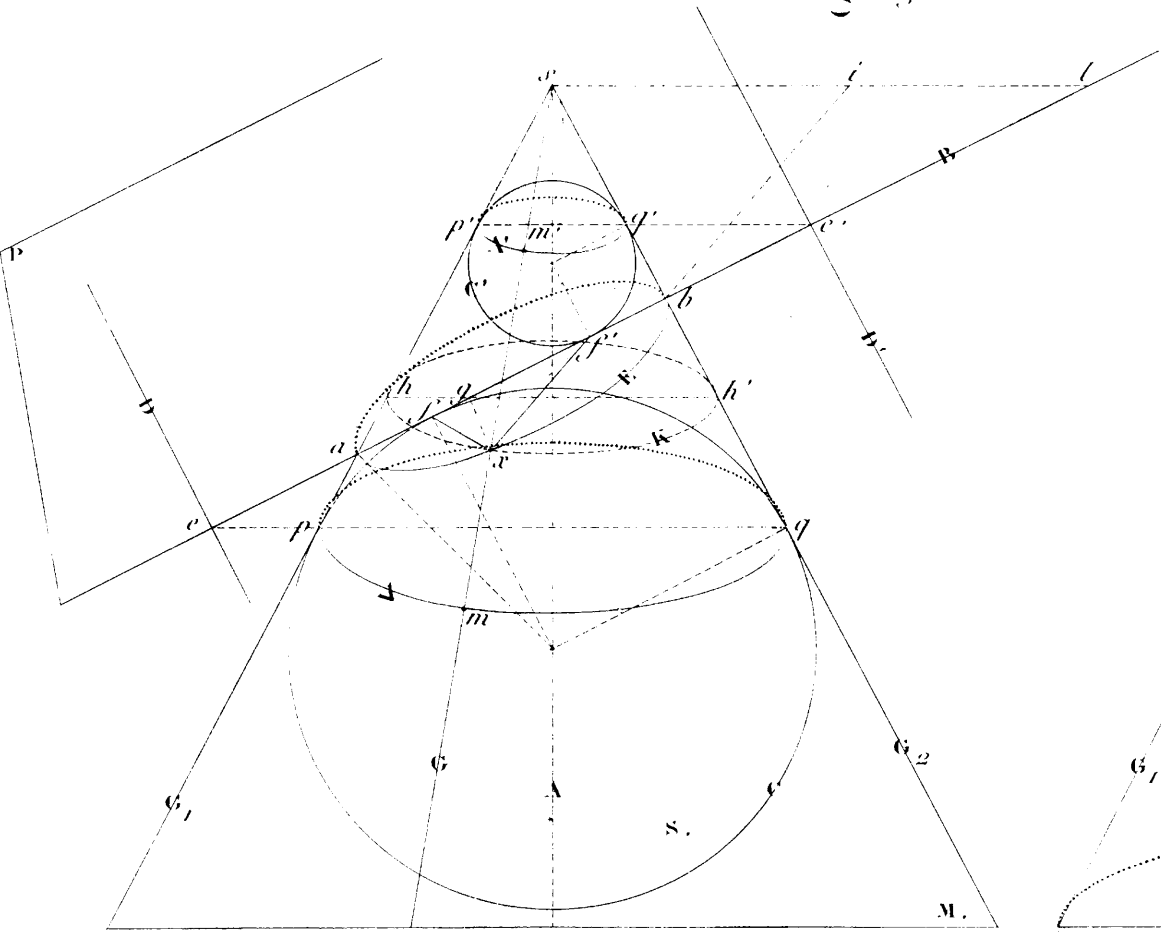


Fig. 191

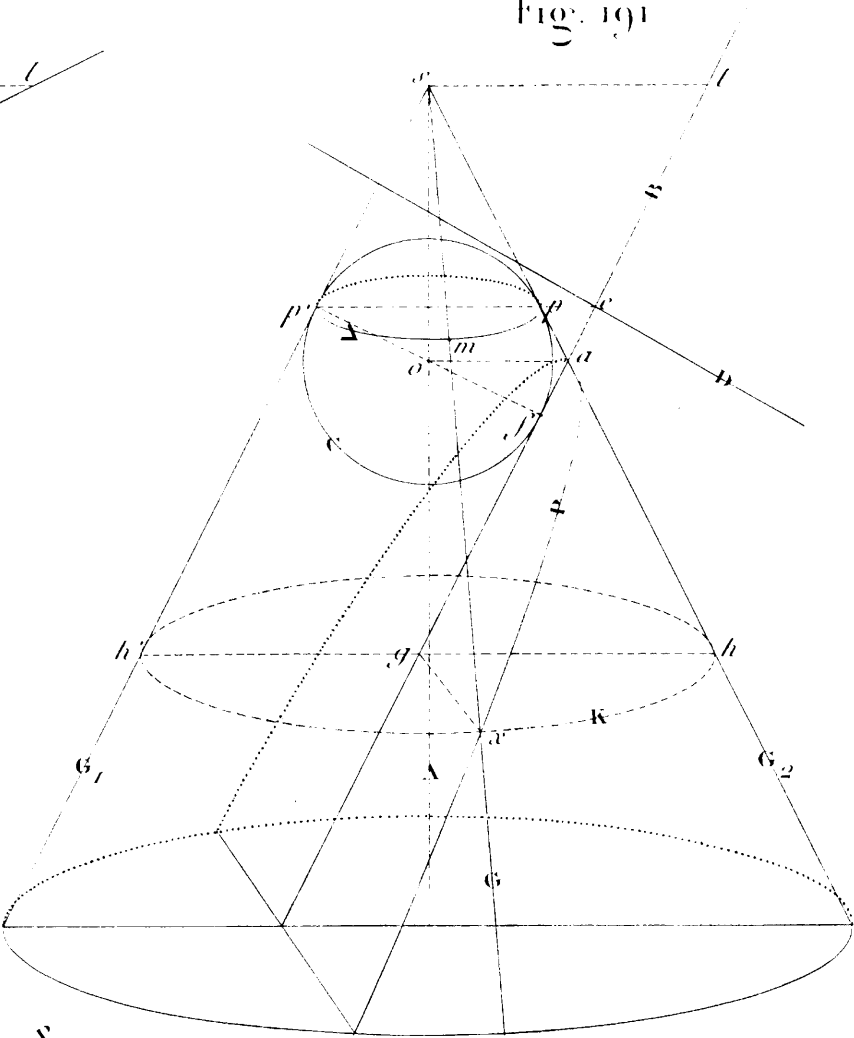


Fig. 192 bis

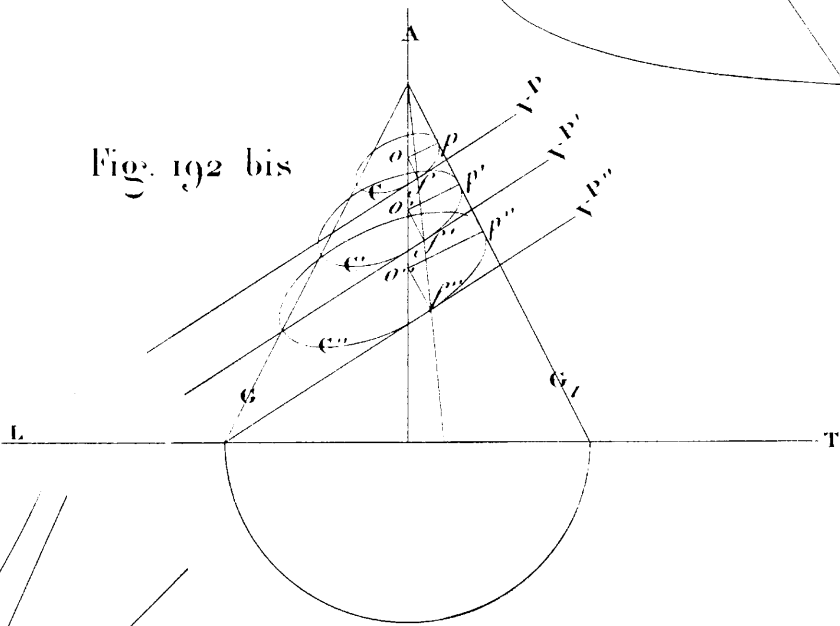


Fig. 192

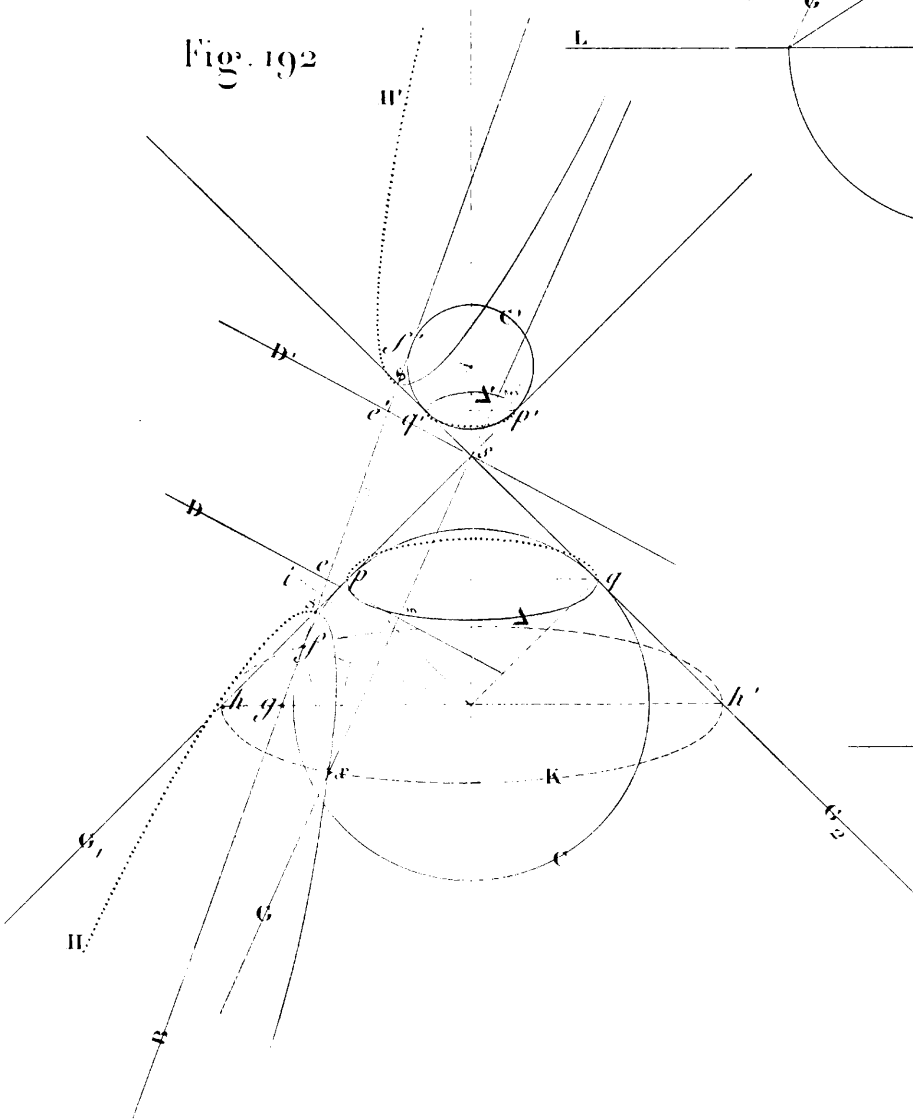
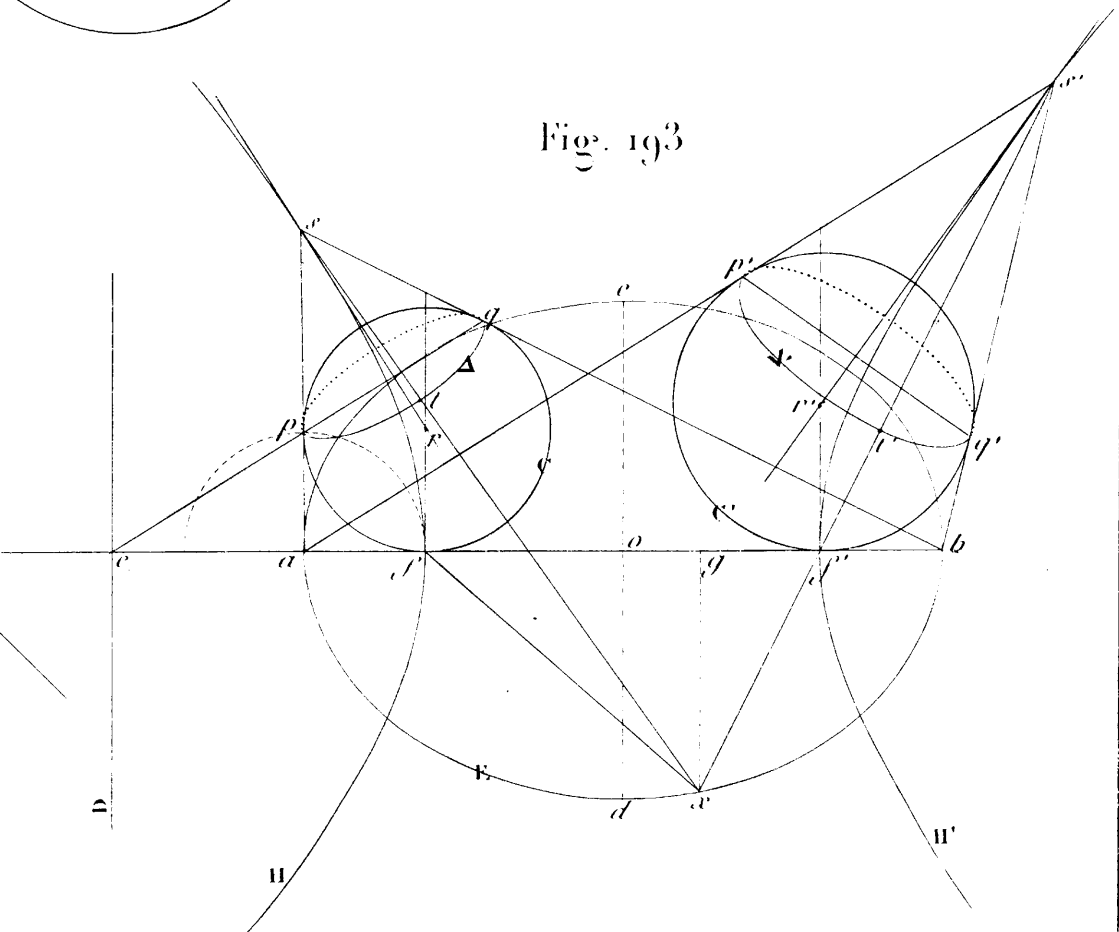


Fig. 193



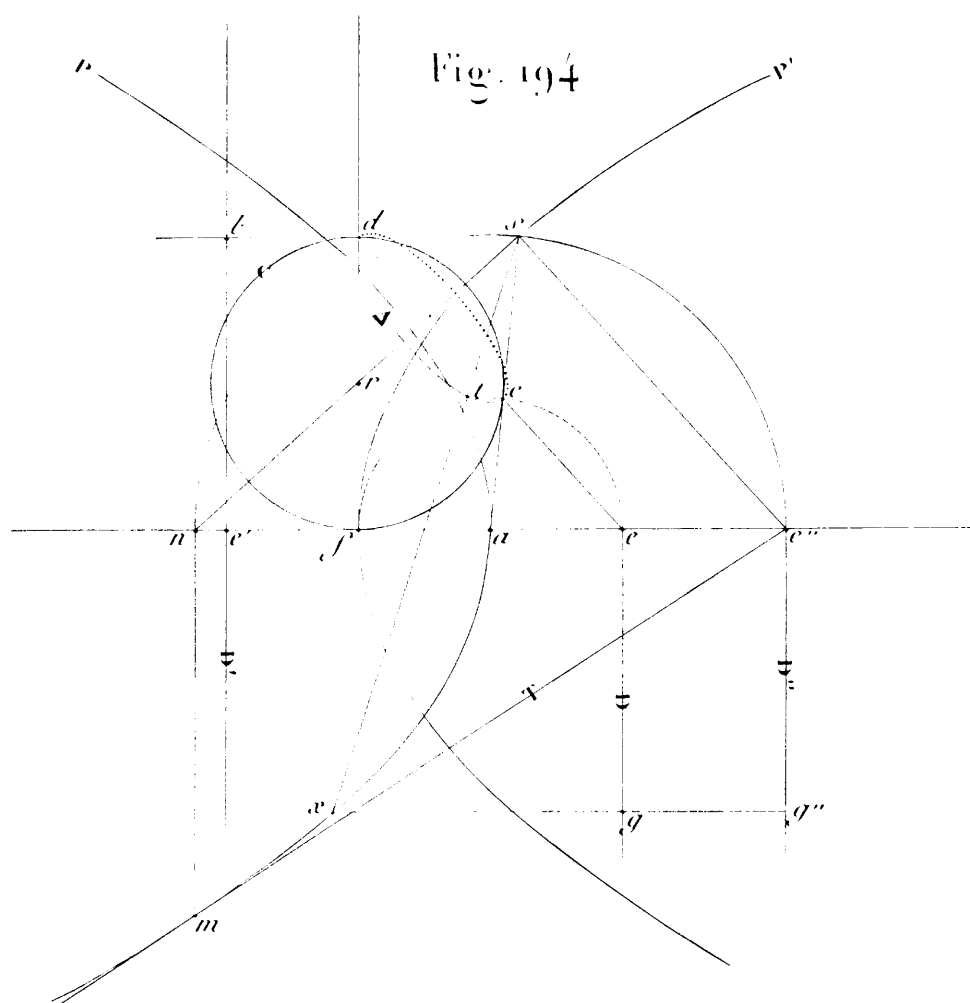


Fig. 194

Fig. 196

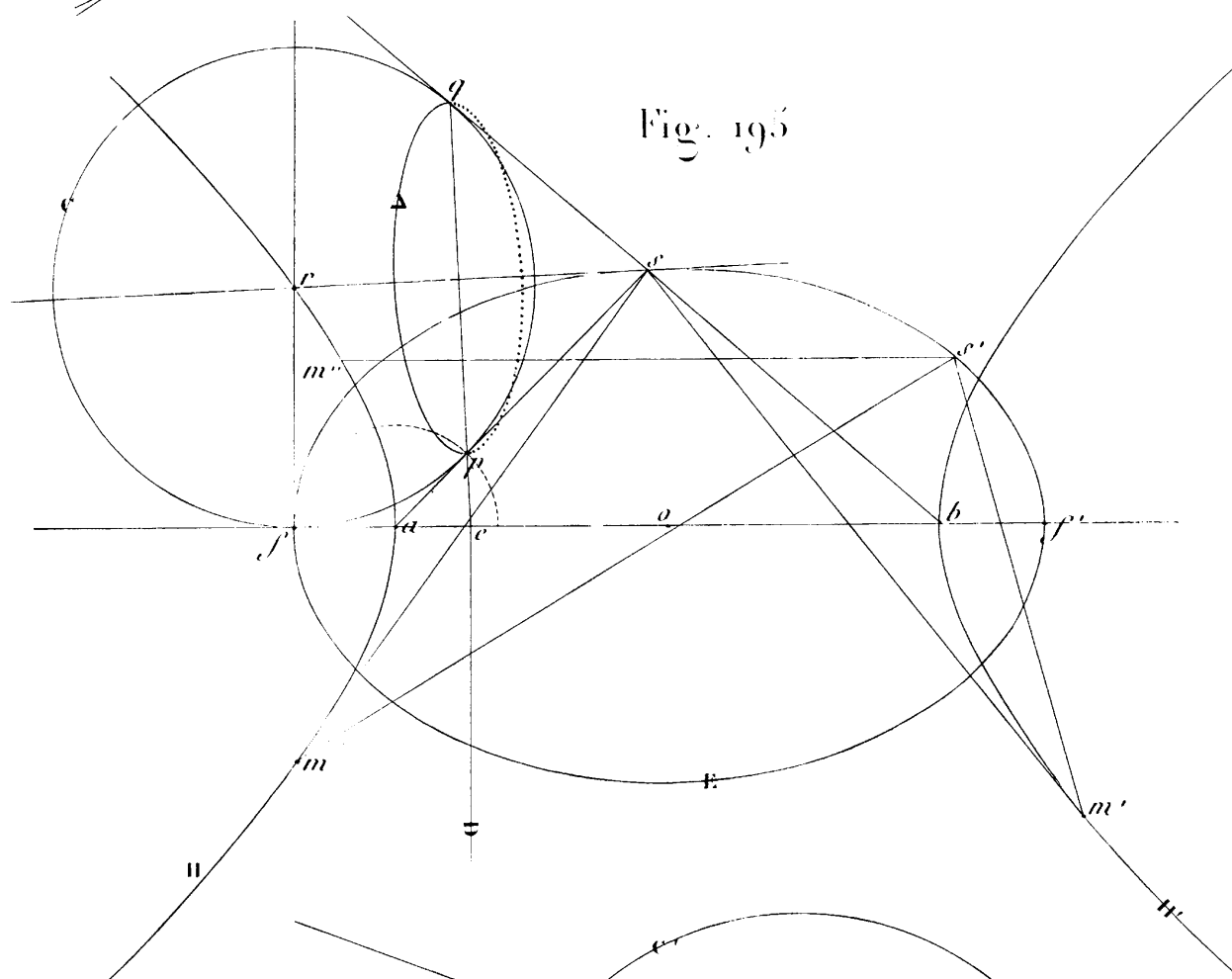


Fig. 195

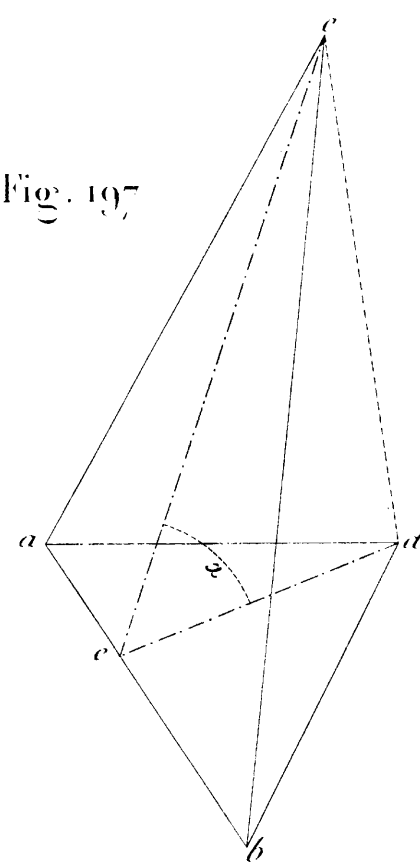


Fig. 197

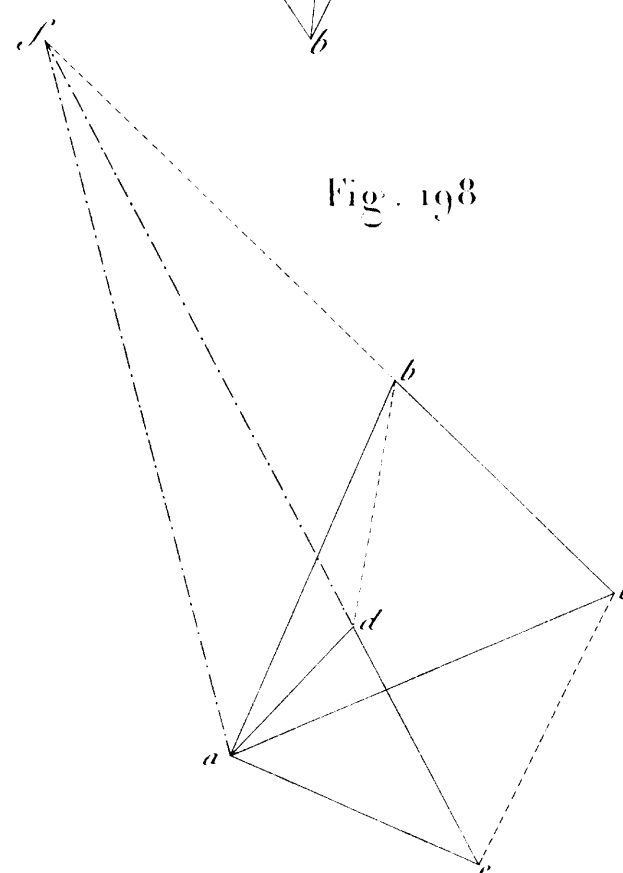


Fig. 198

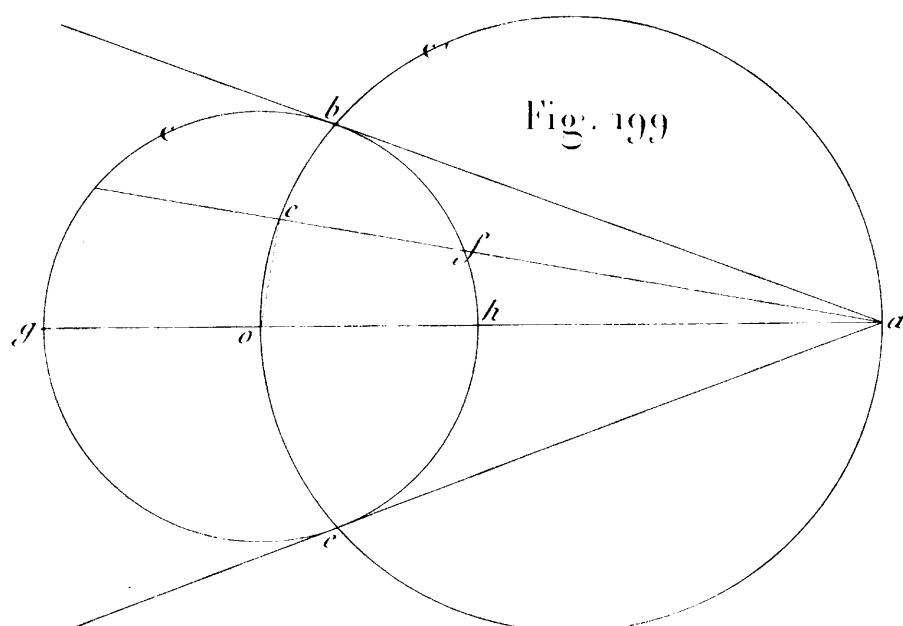


Fig. 199

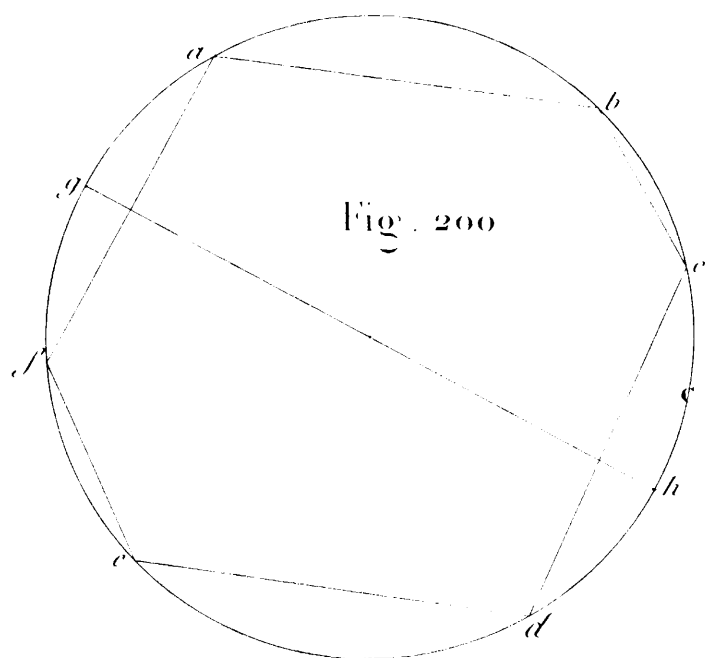


Fig. 200

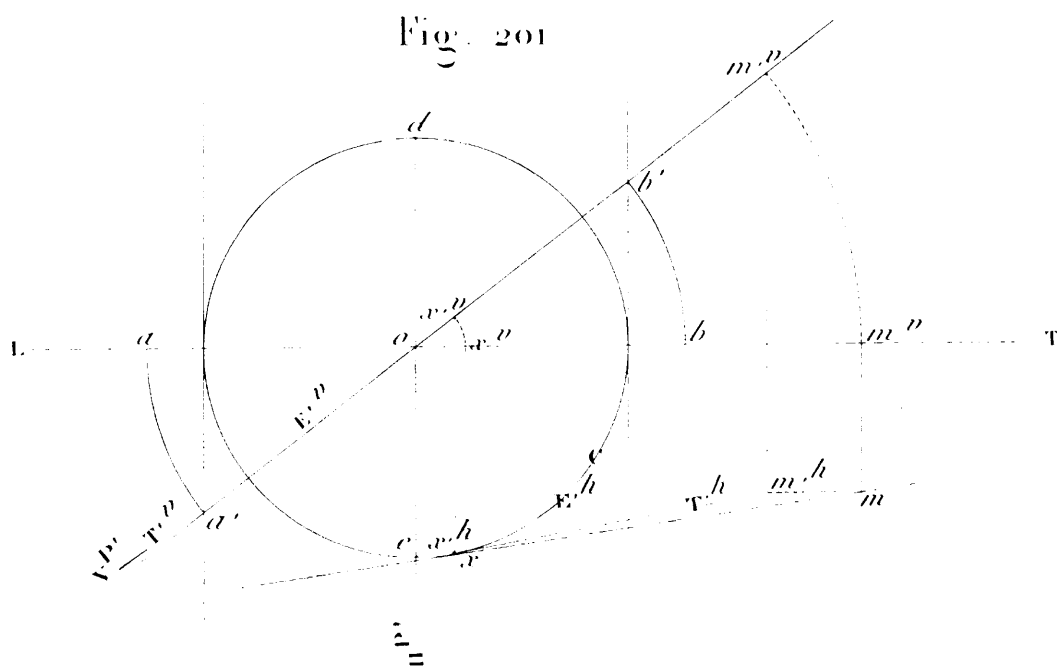


Fig. 201

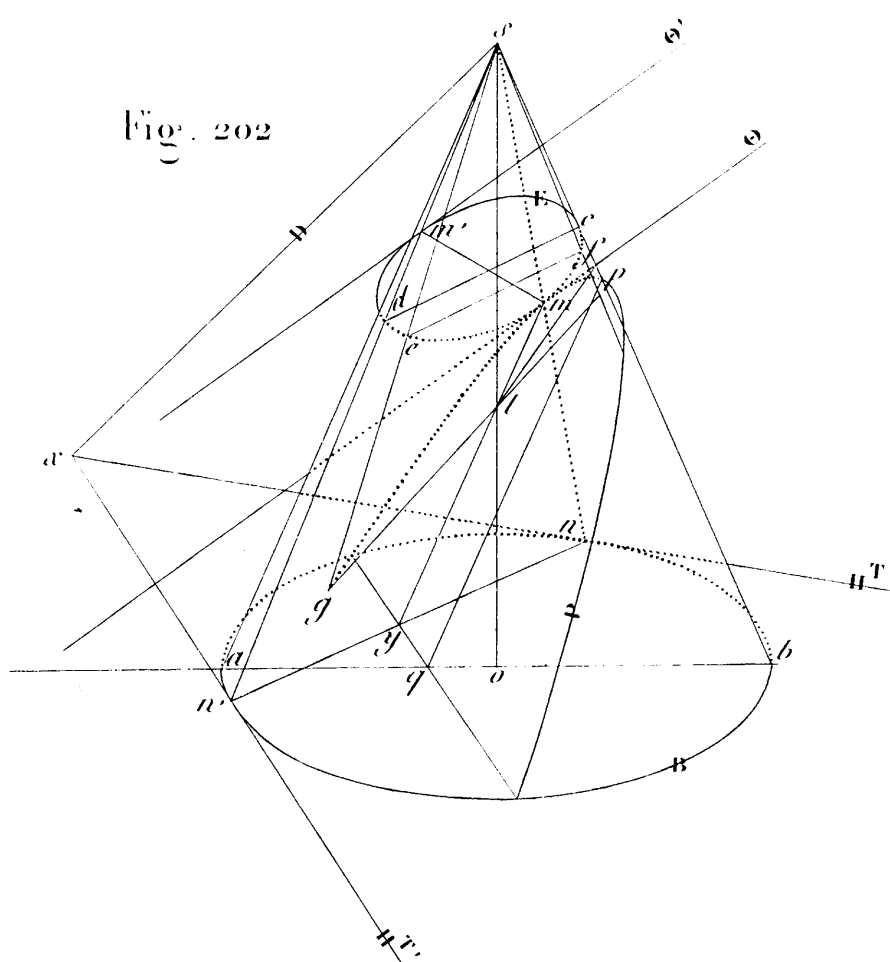


Fig. 202

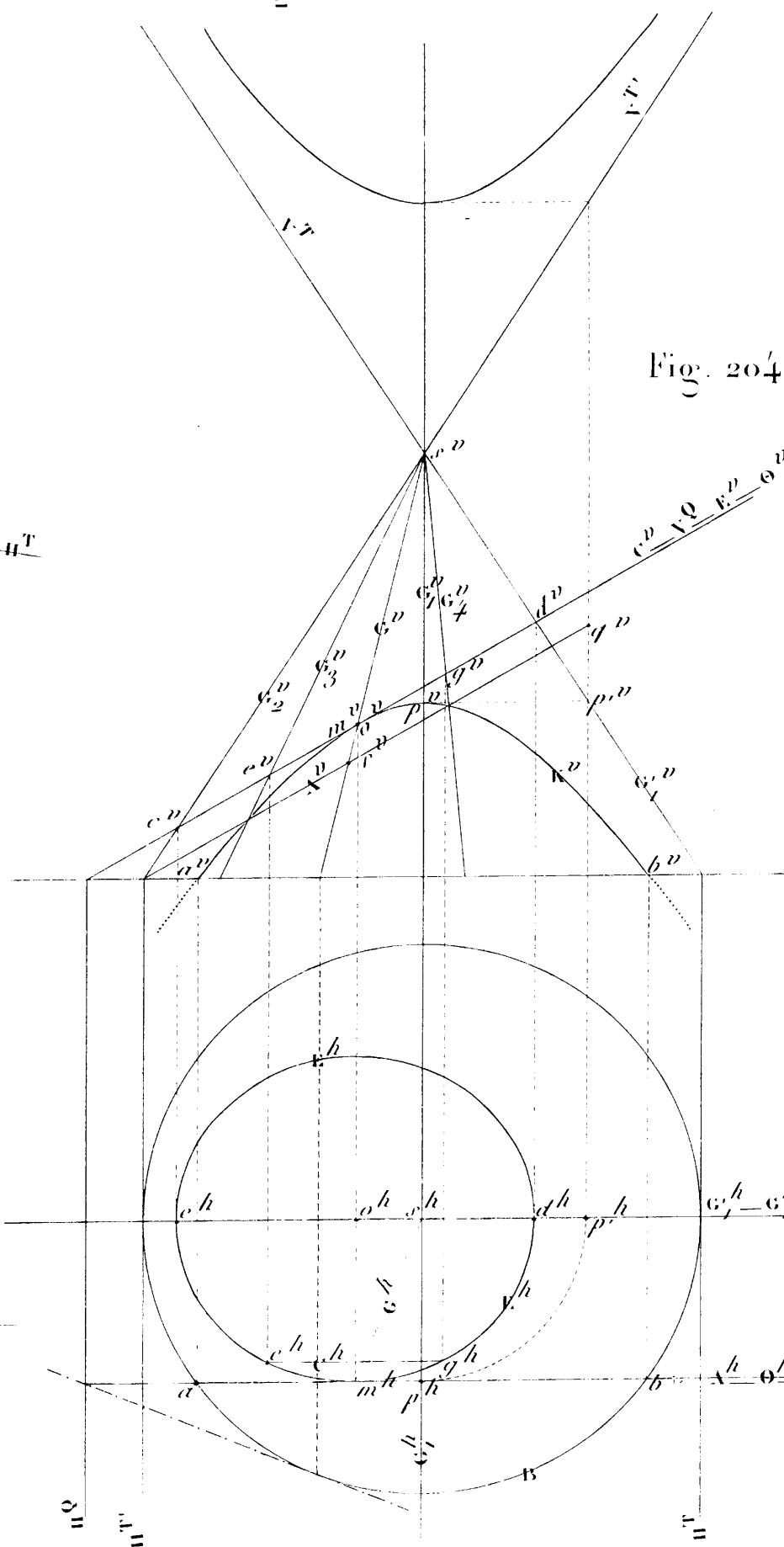


Fig. 204

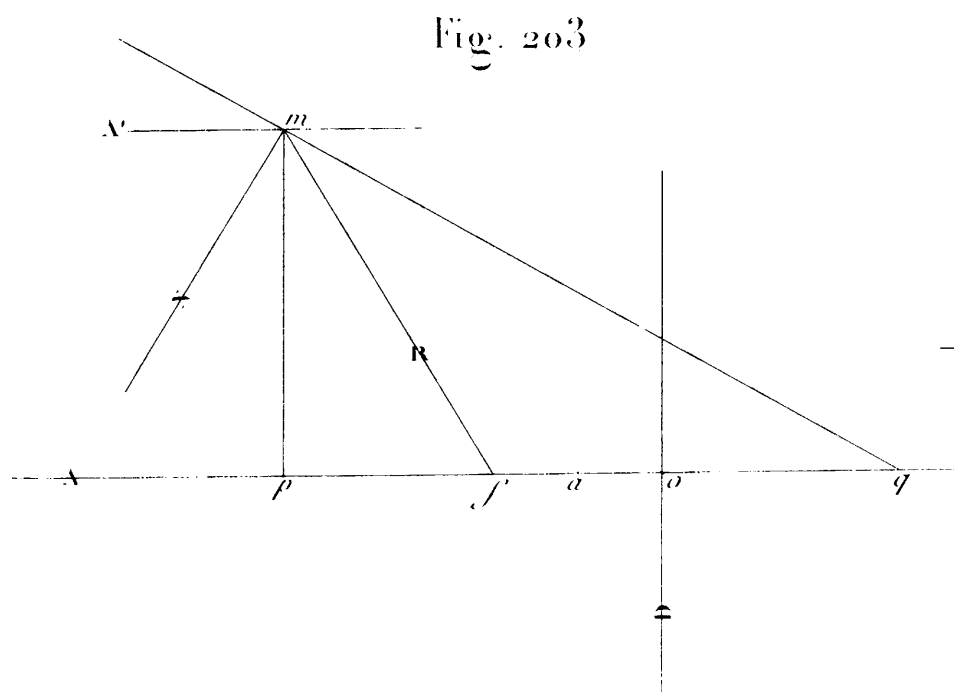


Fig. 203

Fig. 205

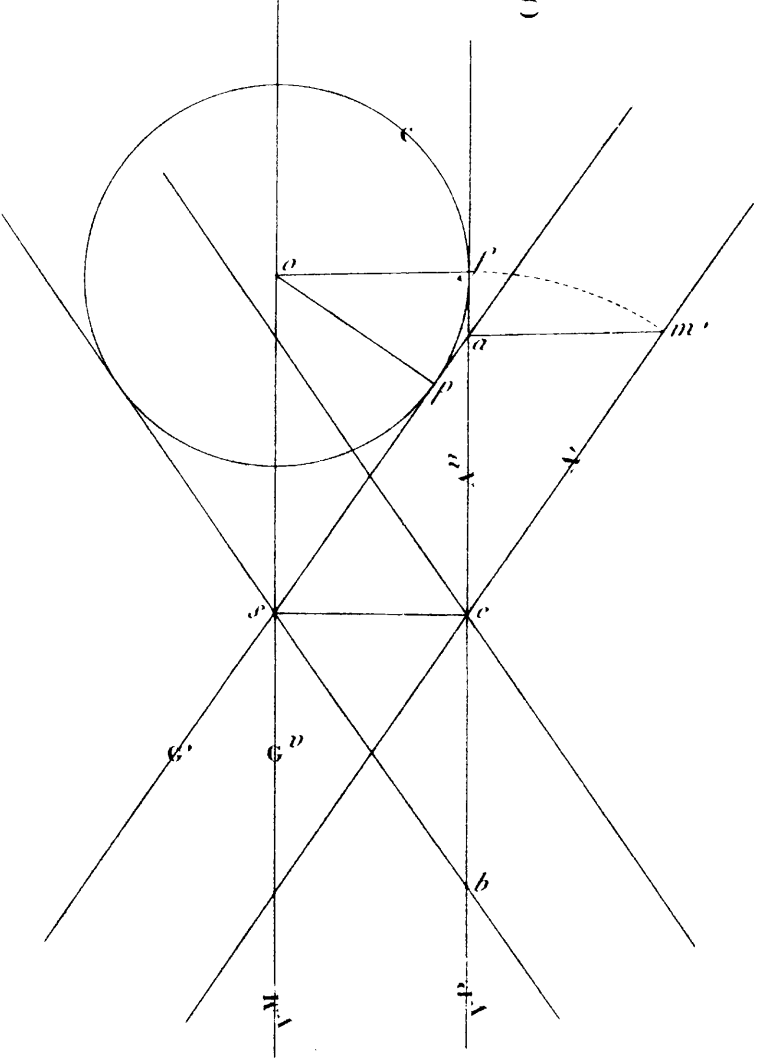


Fig. 206

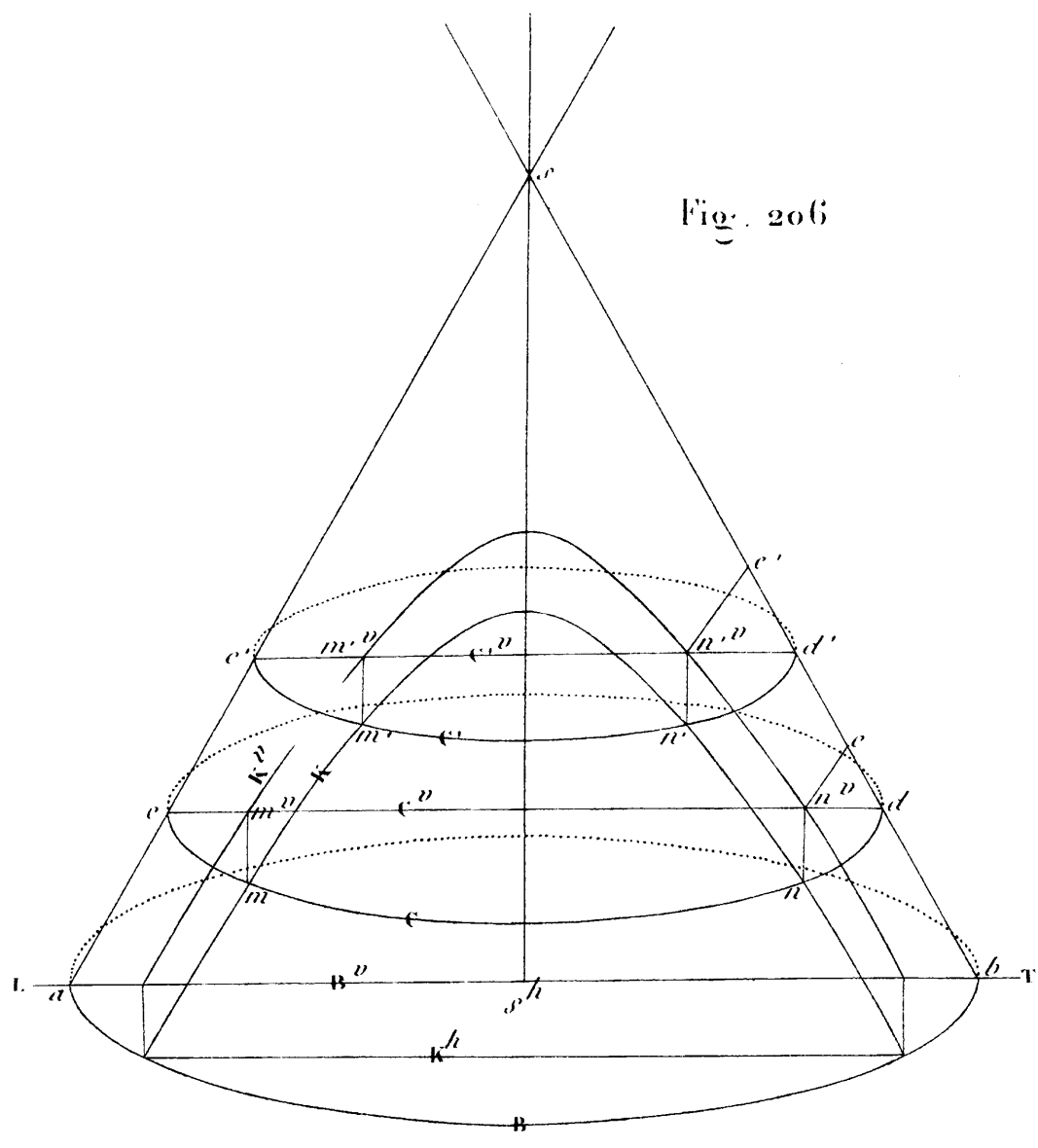


Fig. 208

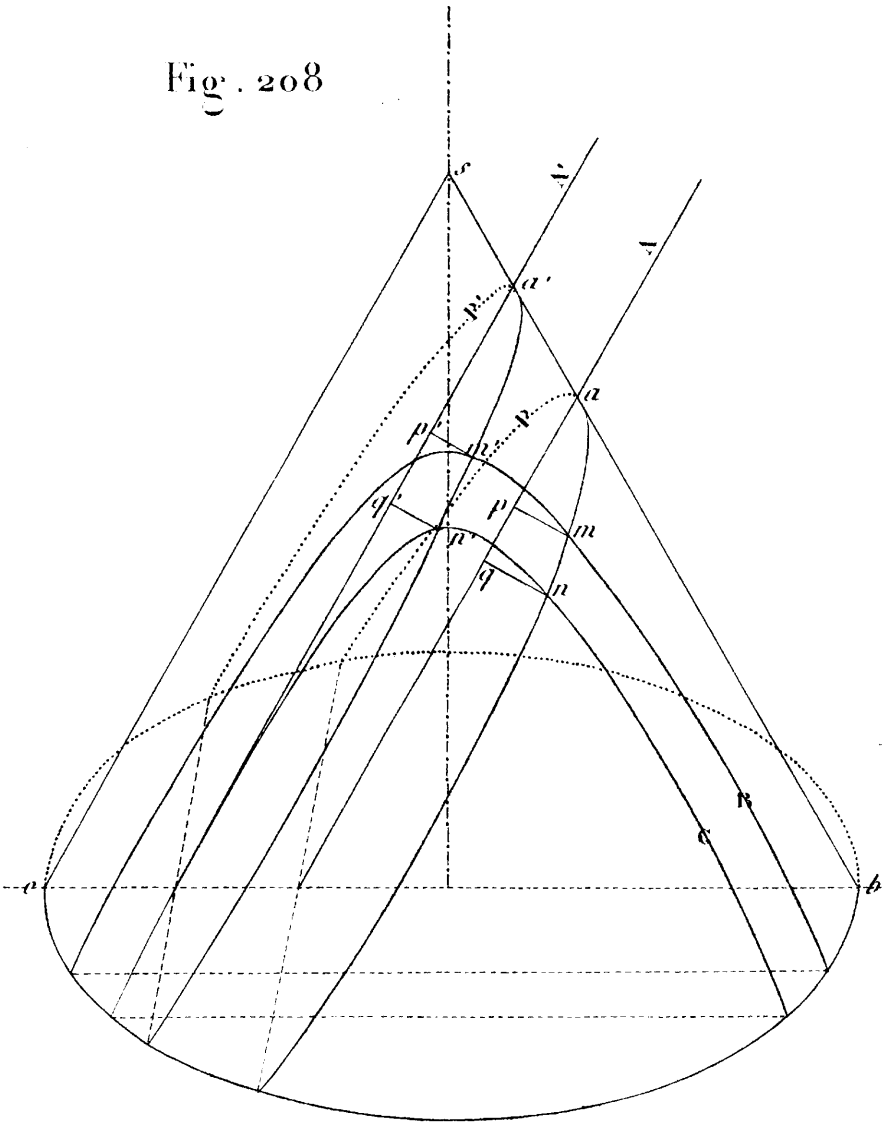


Fig. 207

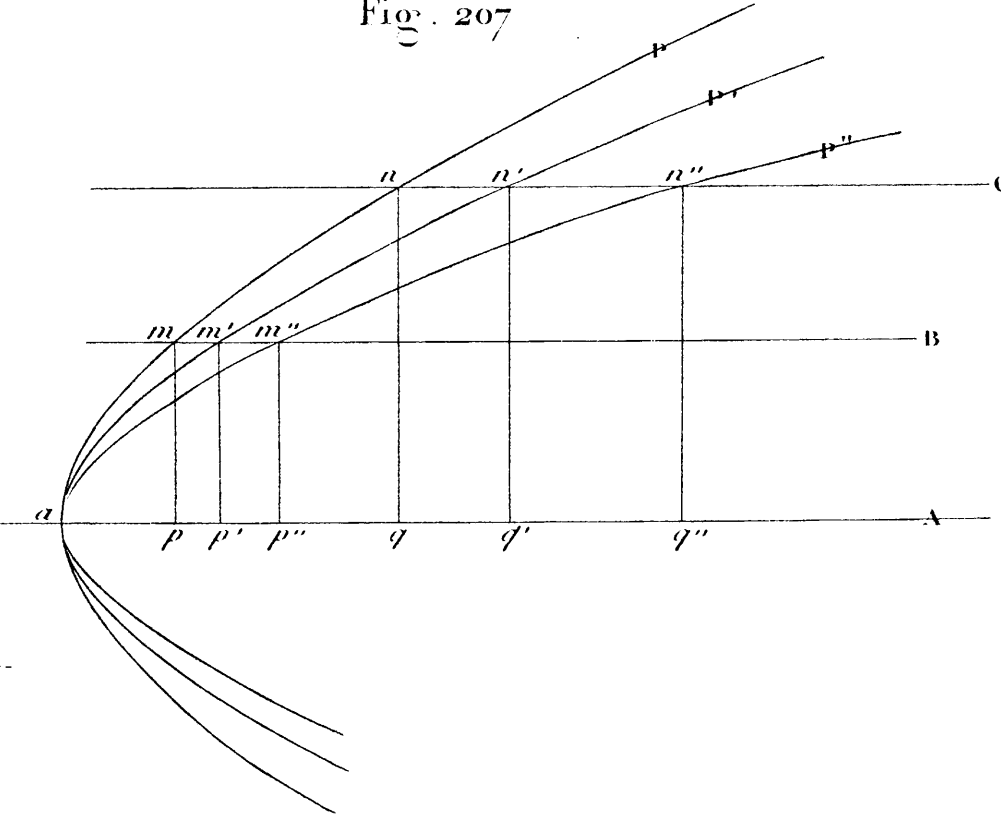


Fig. 208 b.

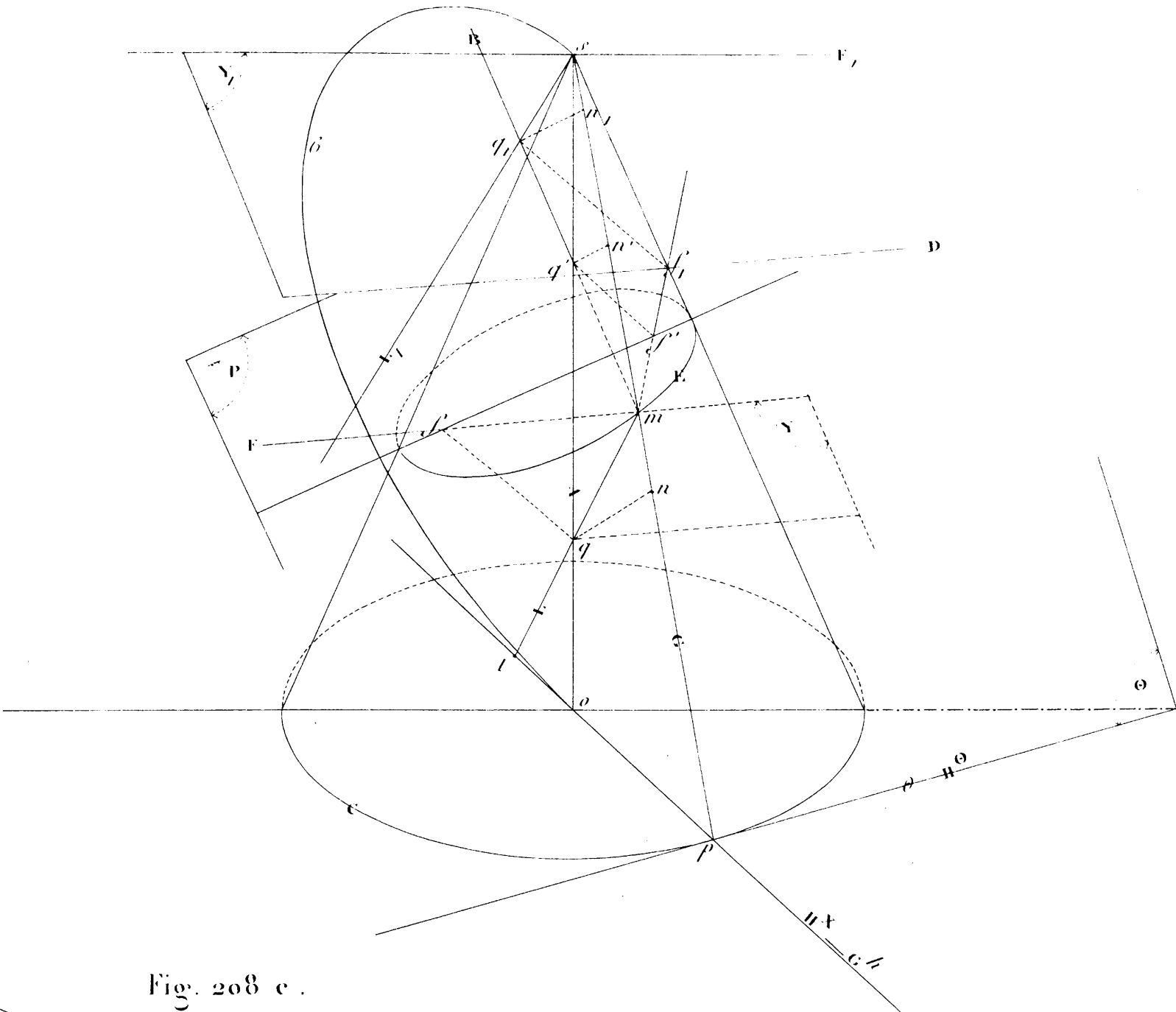


Fig. 208 c.

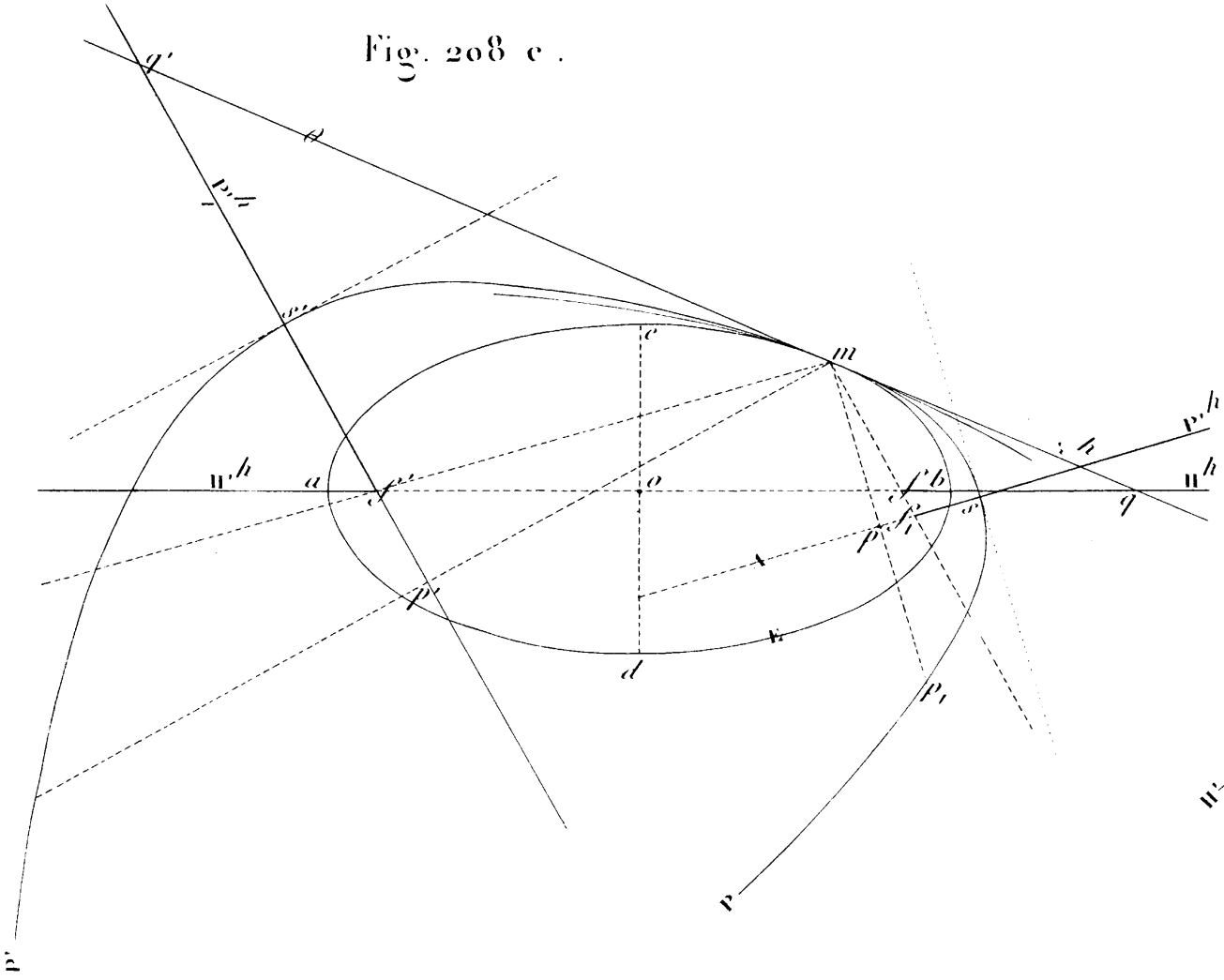
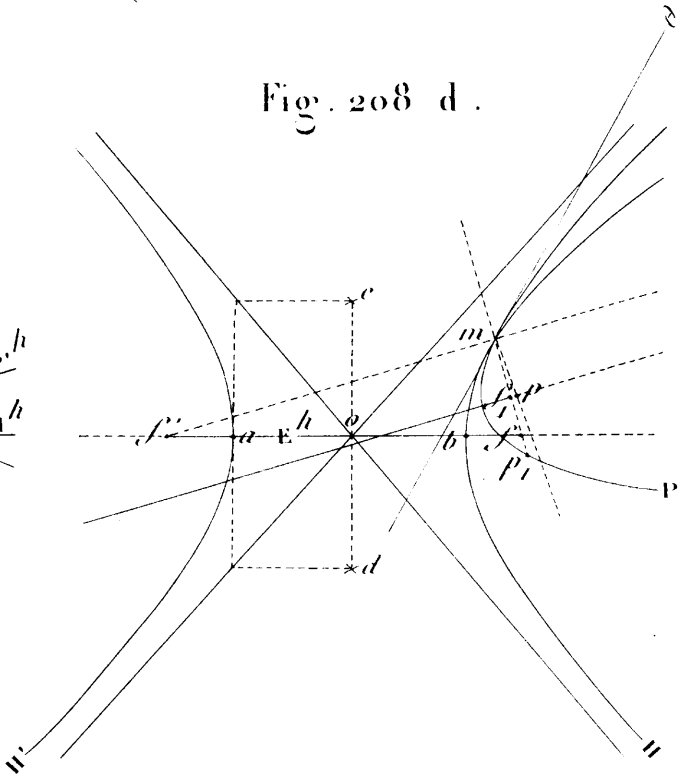


Fig. 208 d.



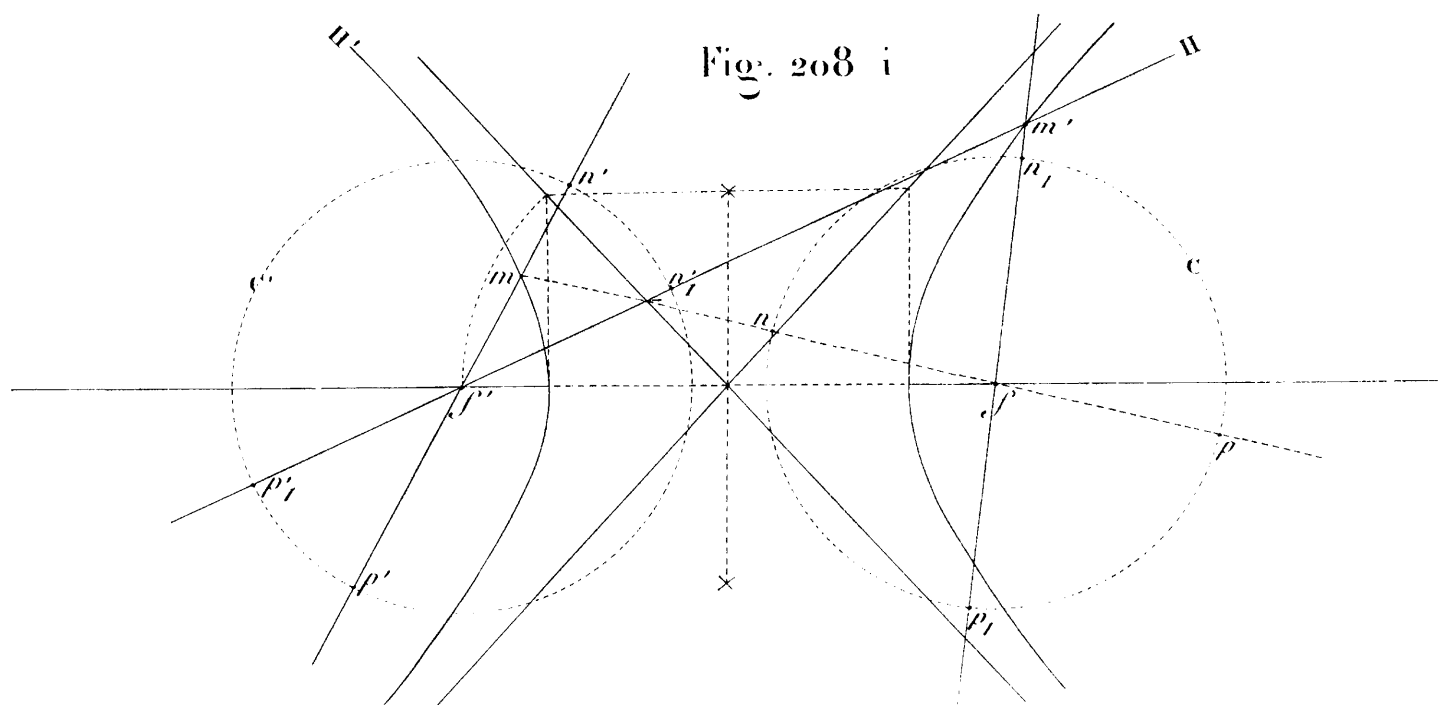
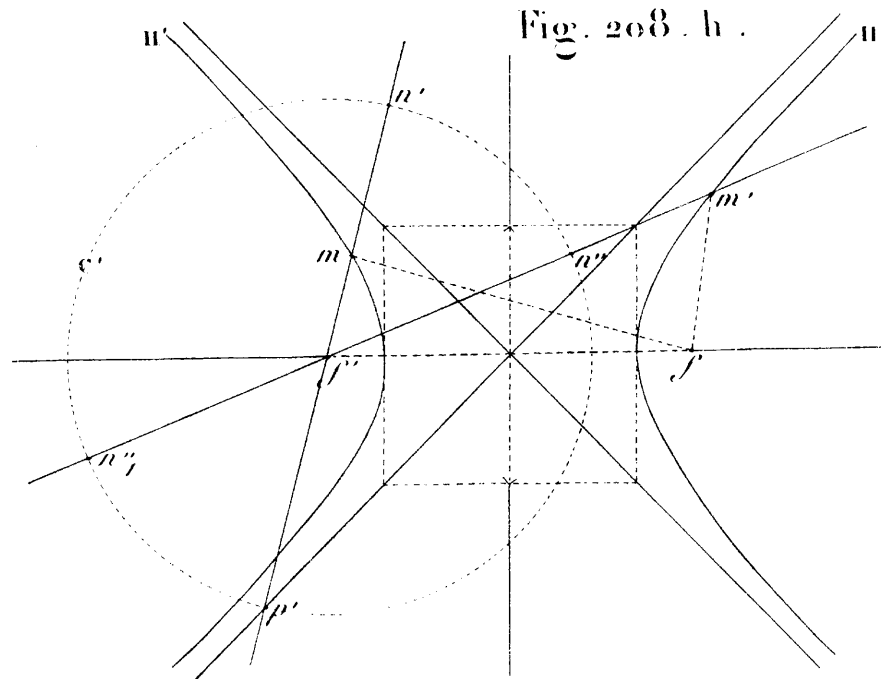
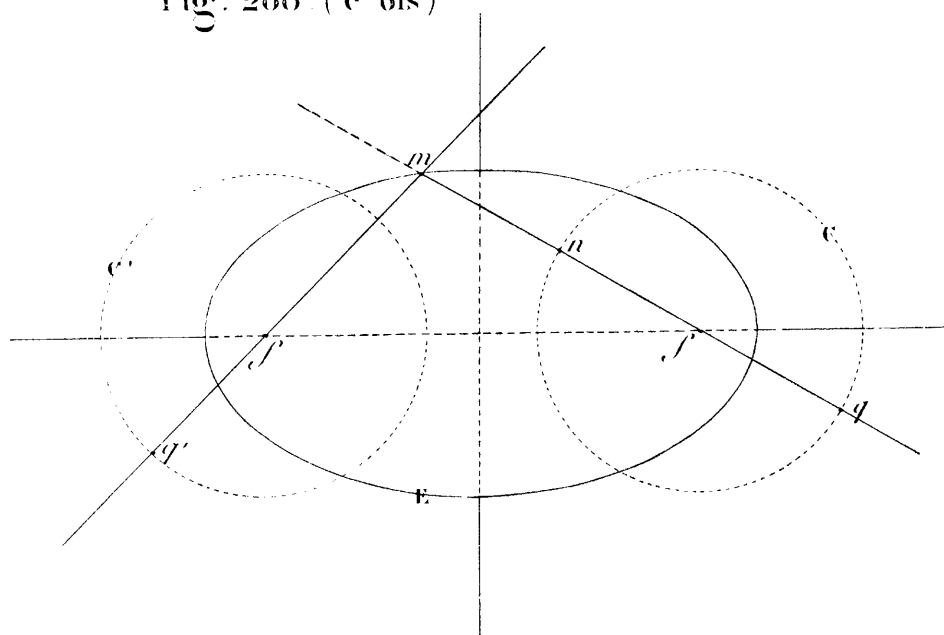
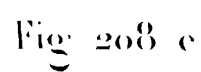


Fig. 208. k

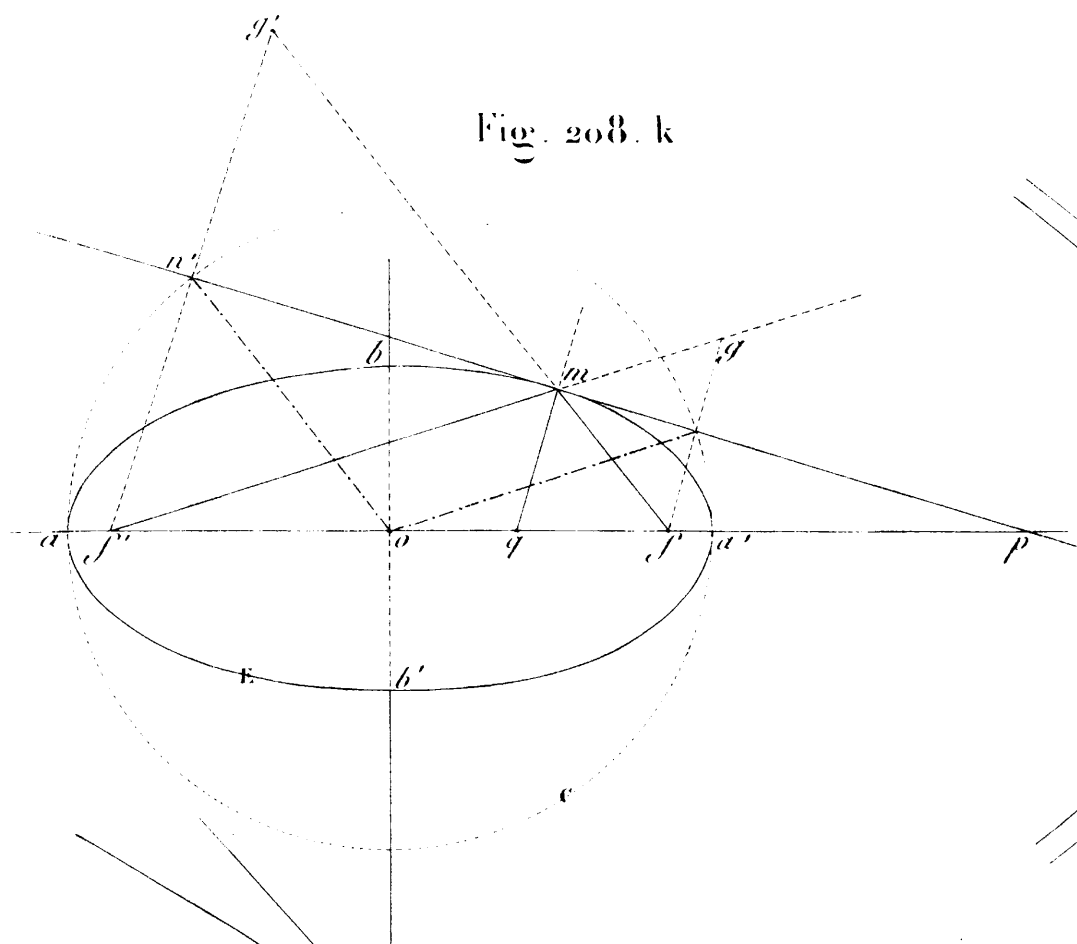


Fig. 208. l.

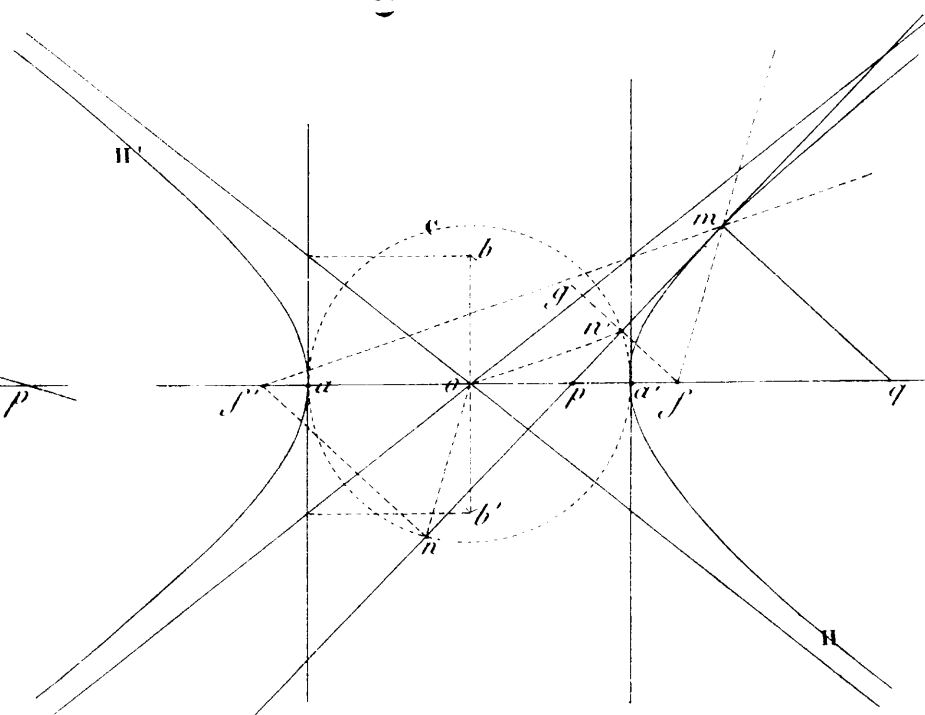


Fig. 208. m

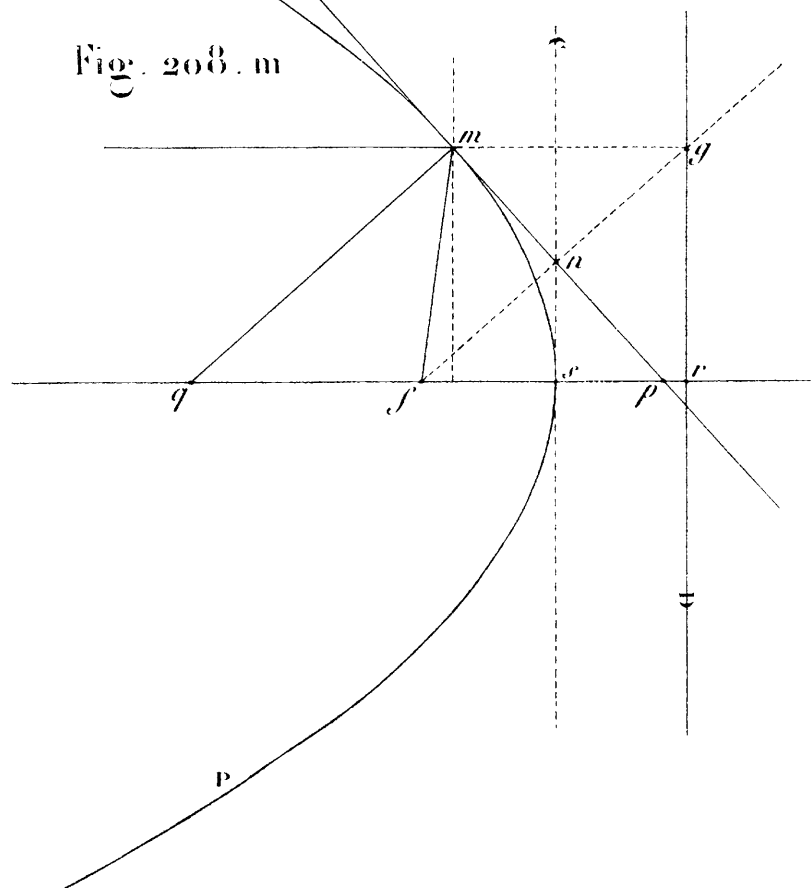


Fig. 208. A

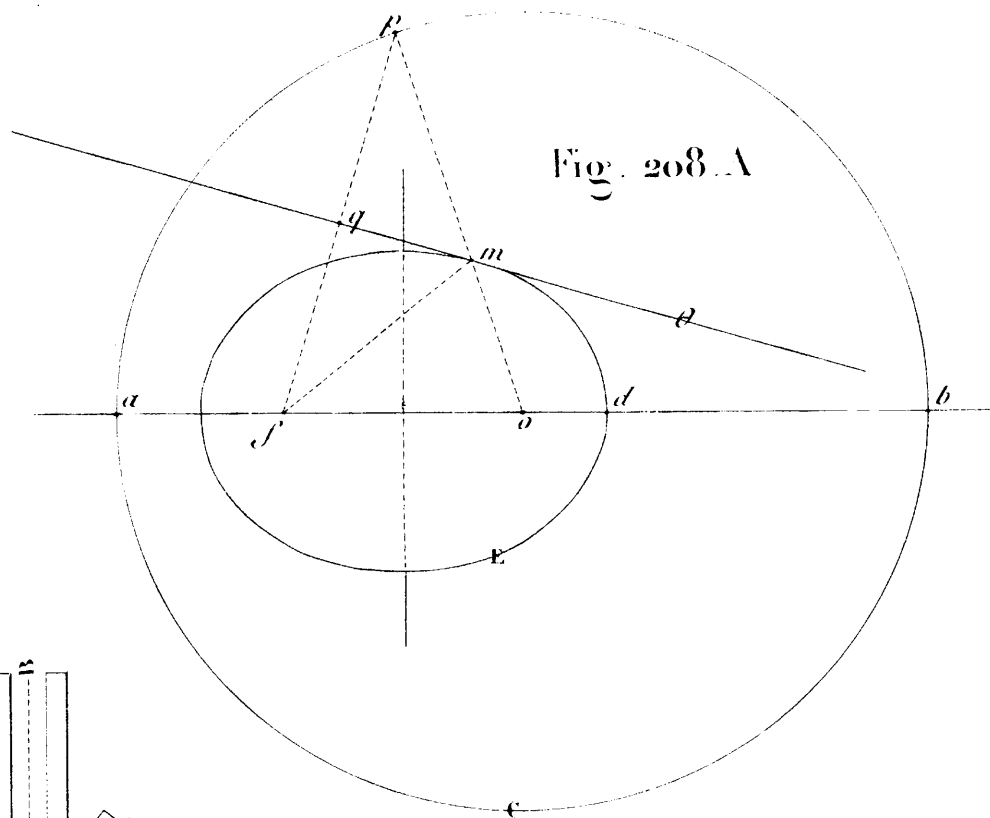


Fig. 208. B.

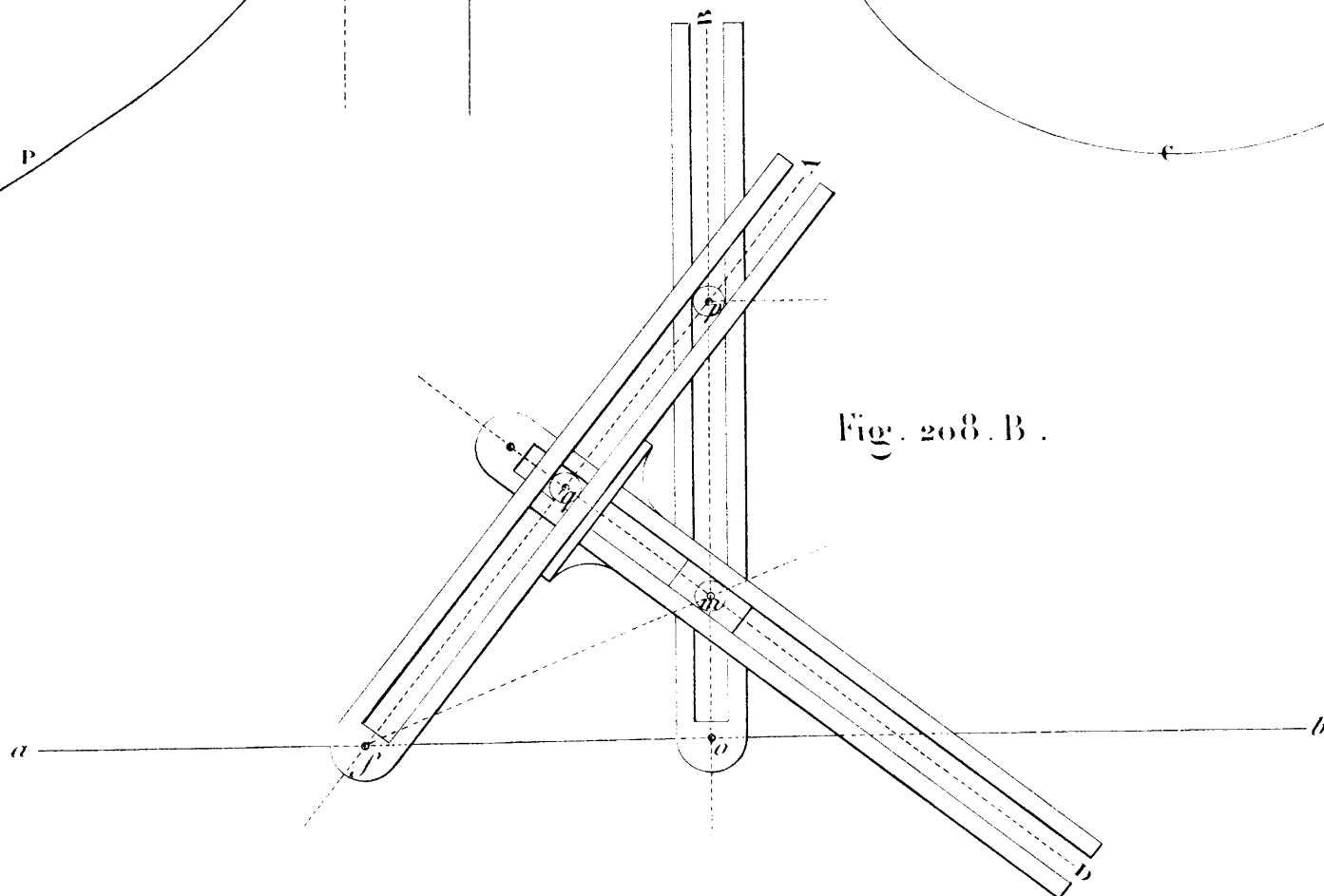


Fig. 208 p

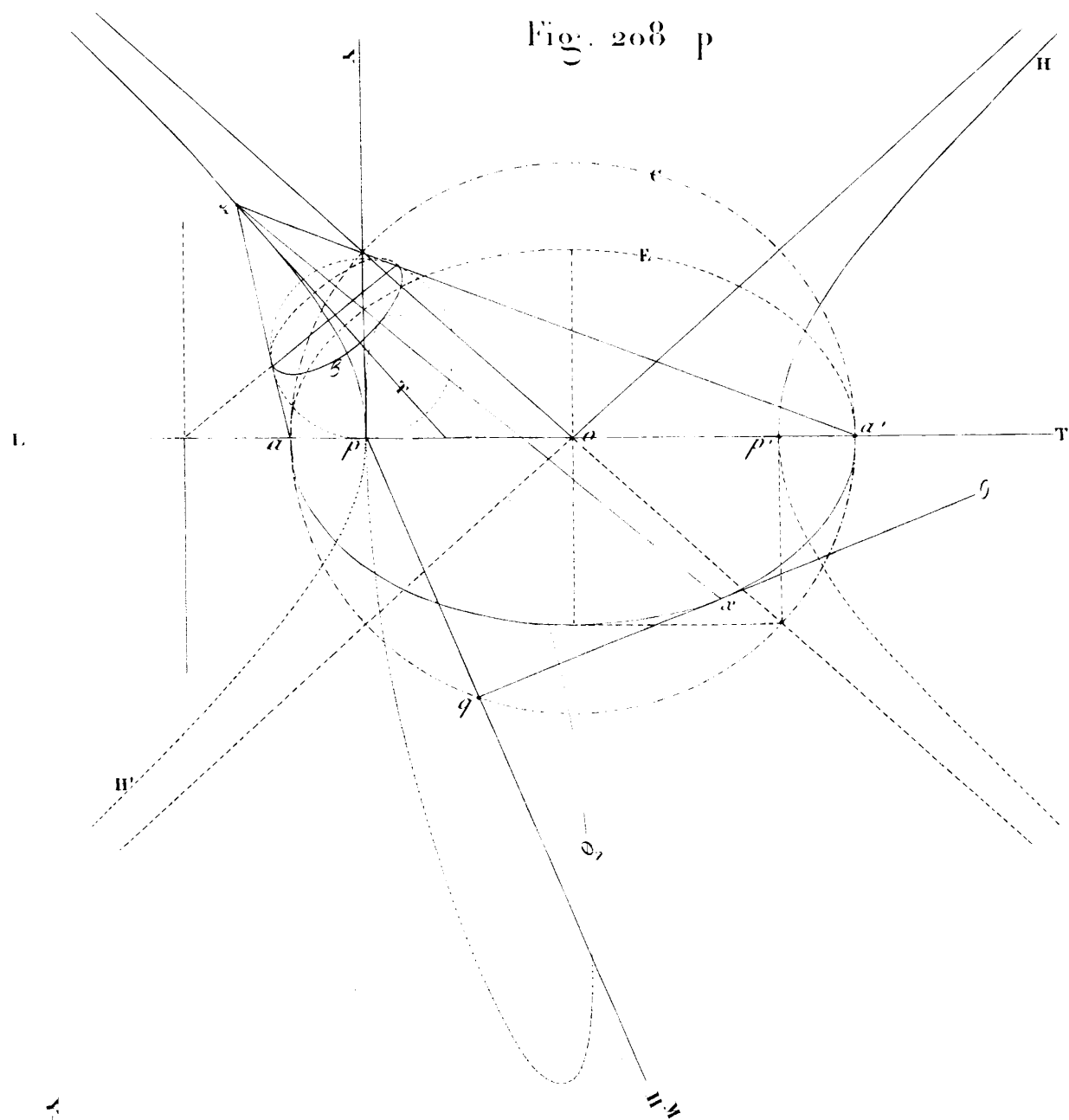


Fig. 208 s

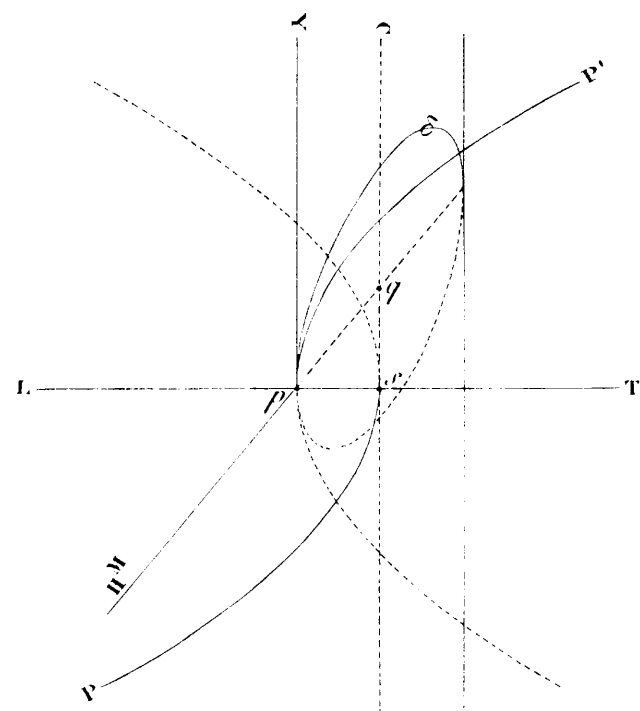


Fig. 208 q

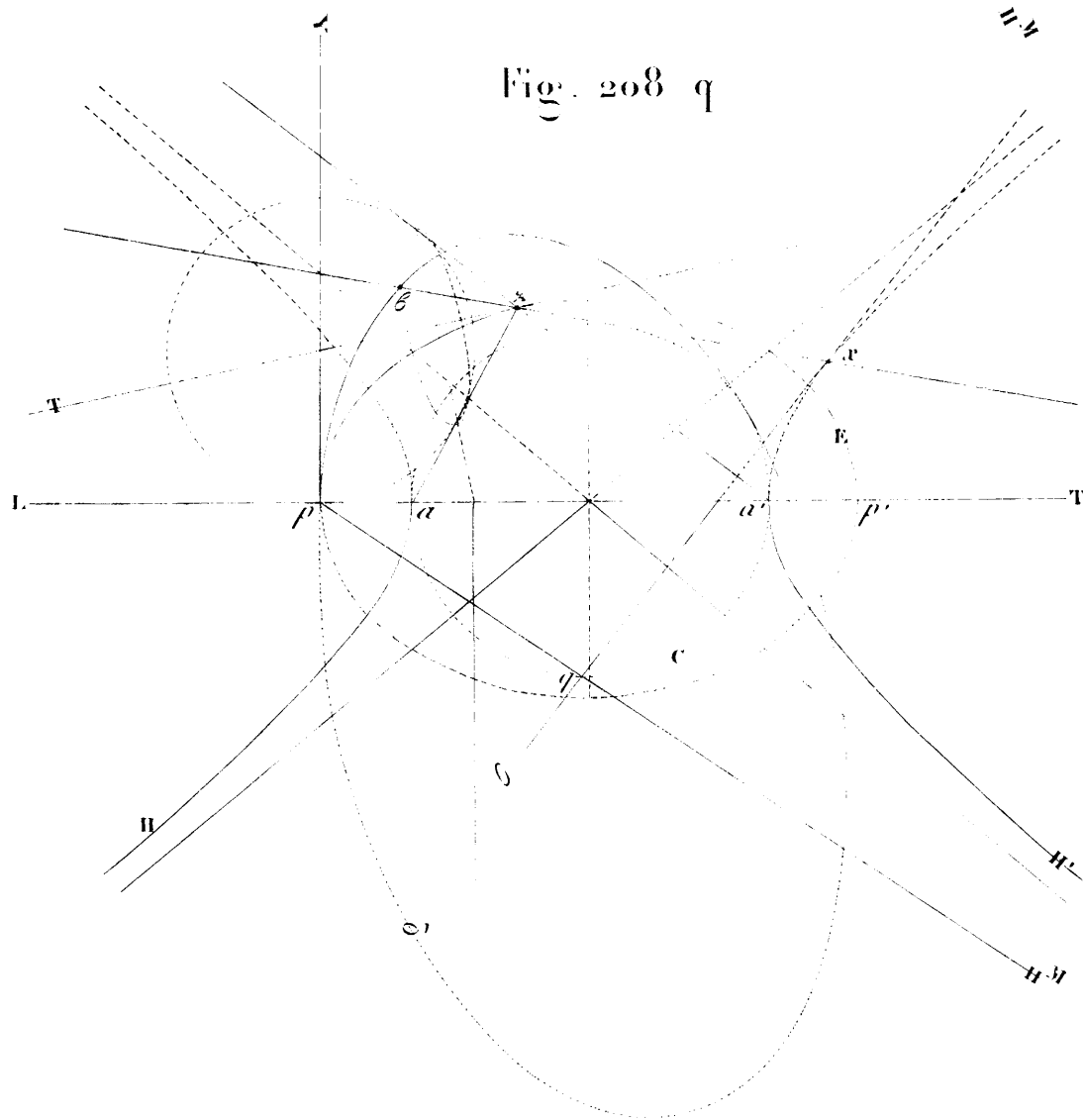


Fig. 208 x

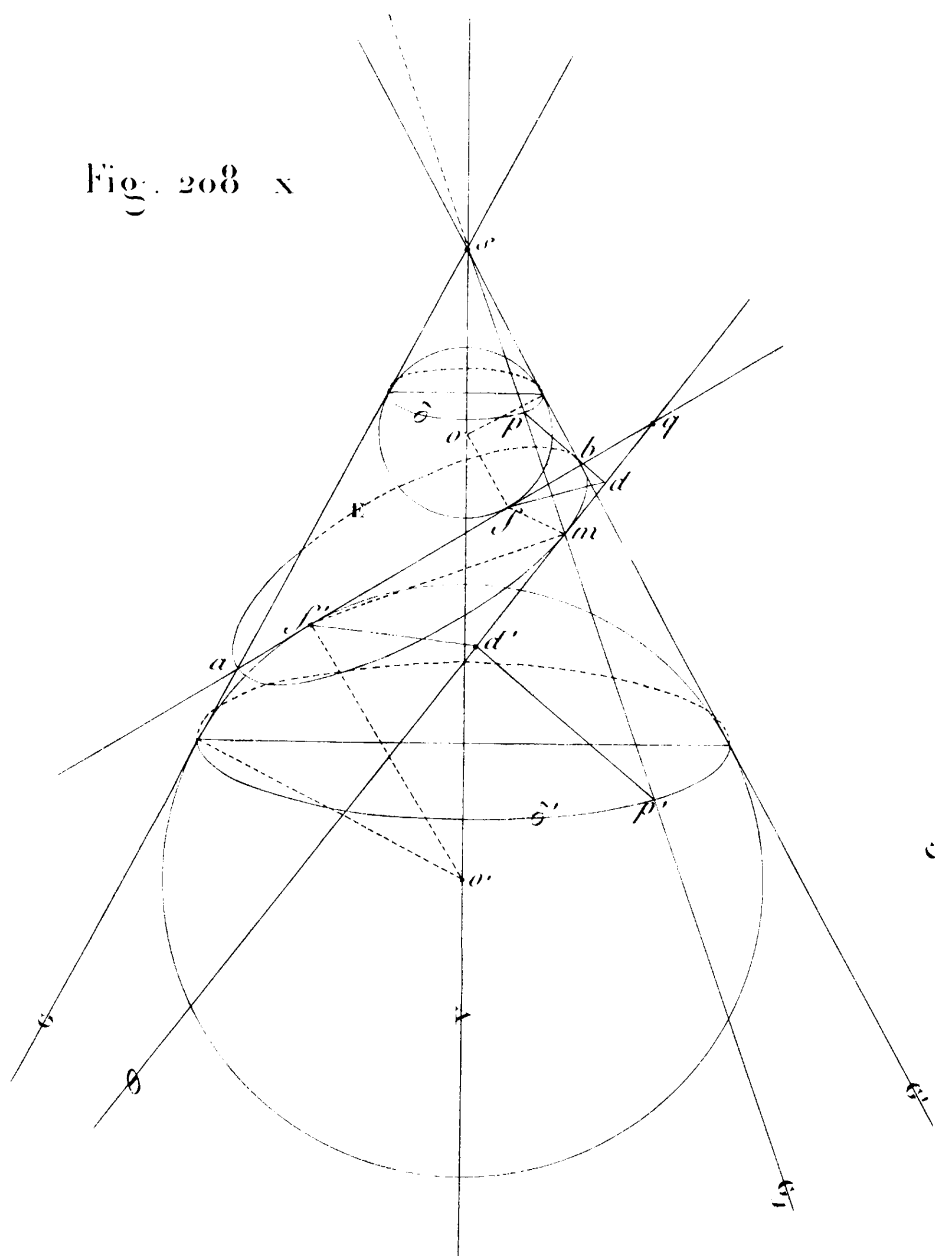


Fig. 208 (x bis)

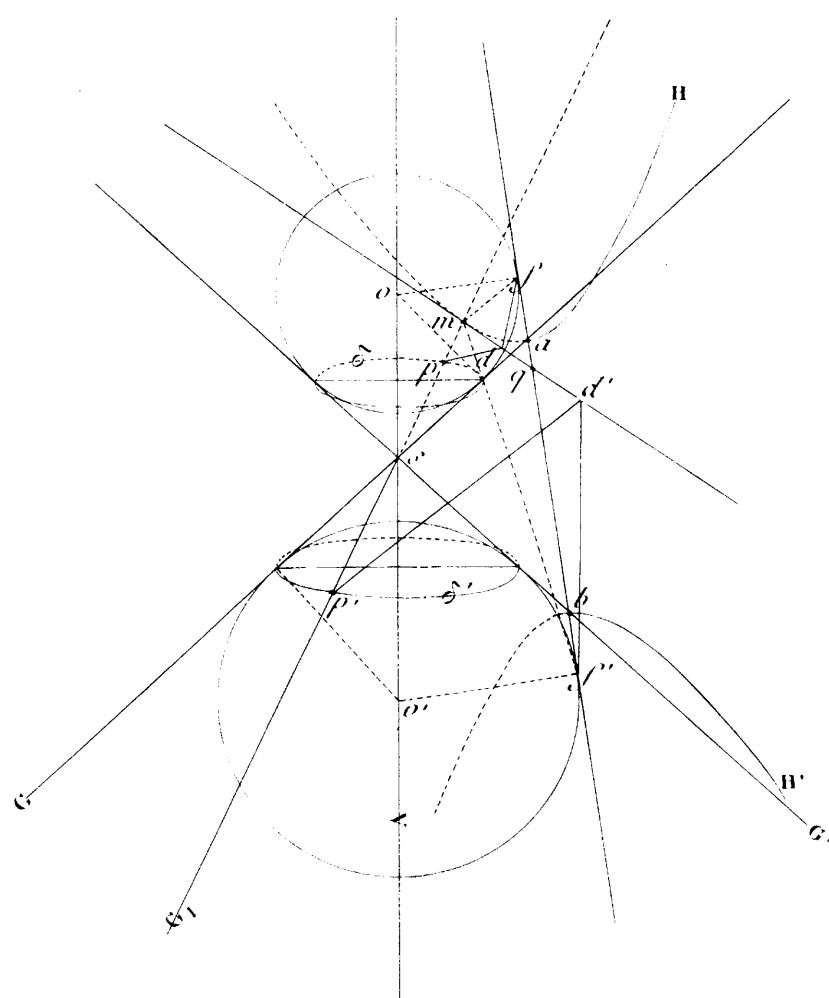


Fig. 208 y

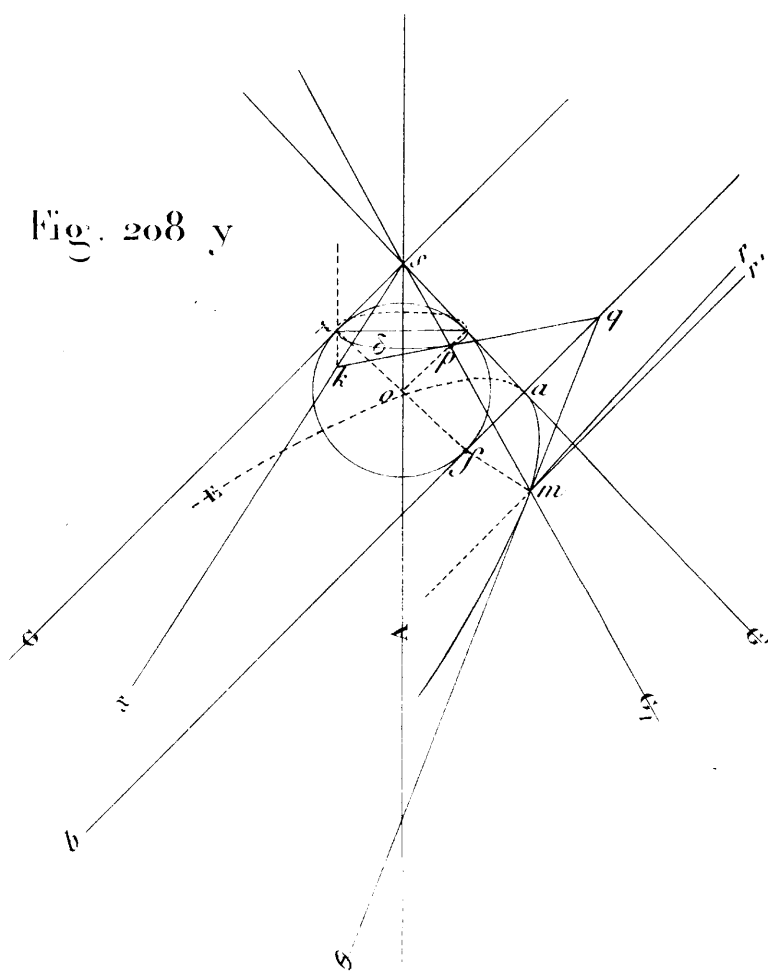


Fig. 208 z

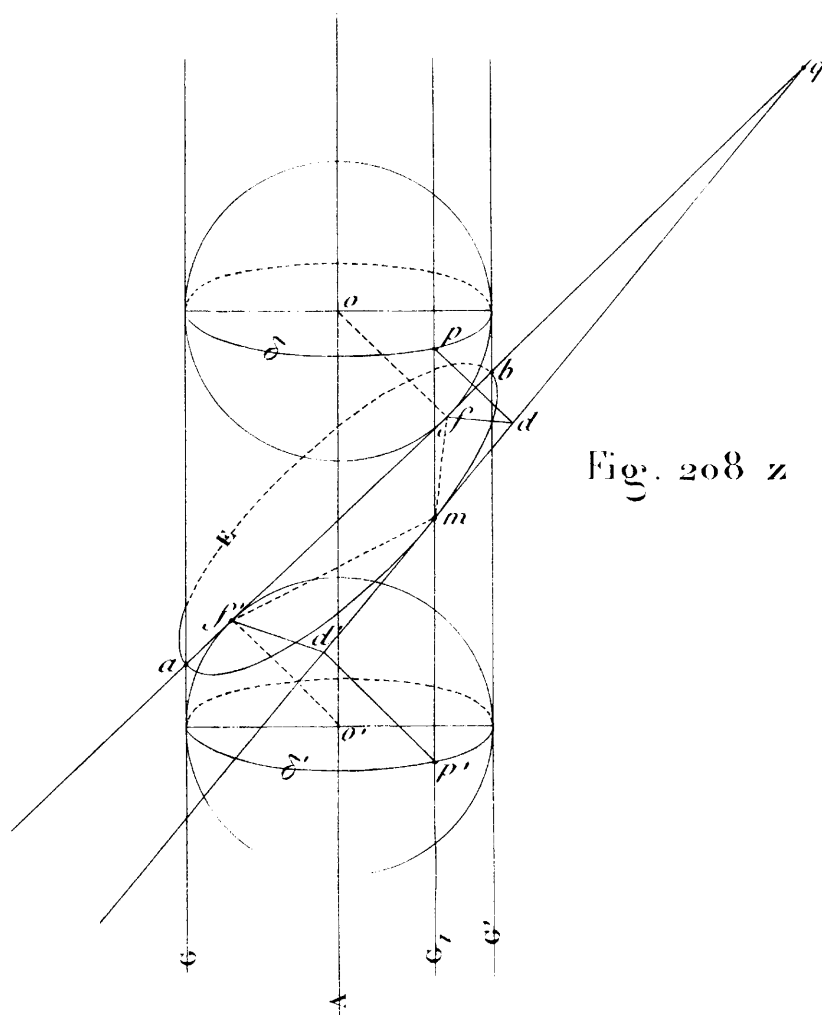


Fig. 209

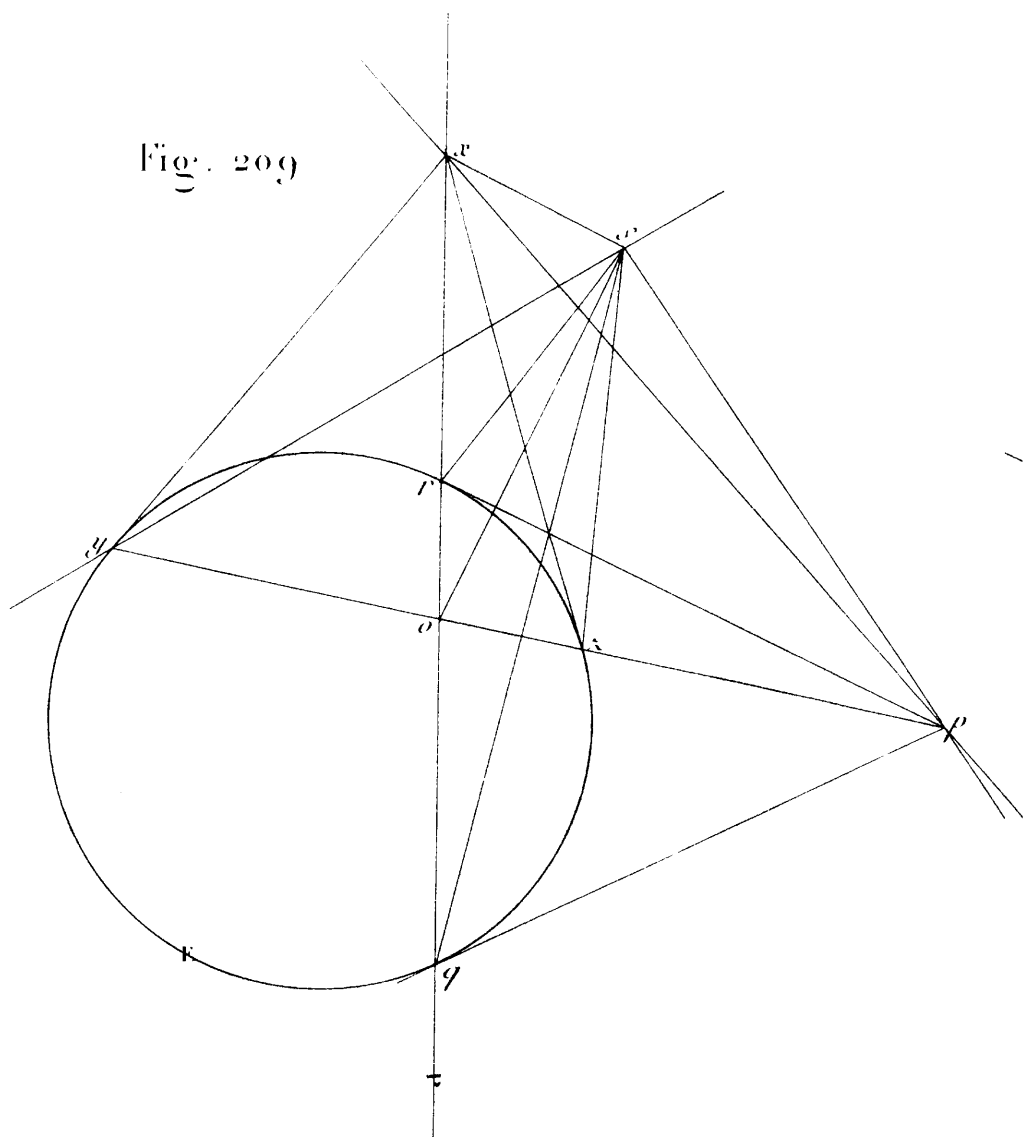


Fig. 210

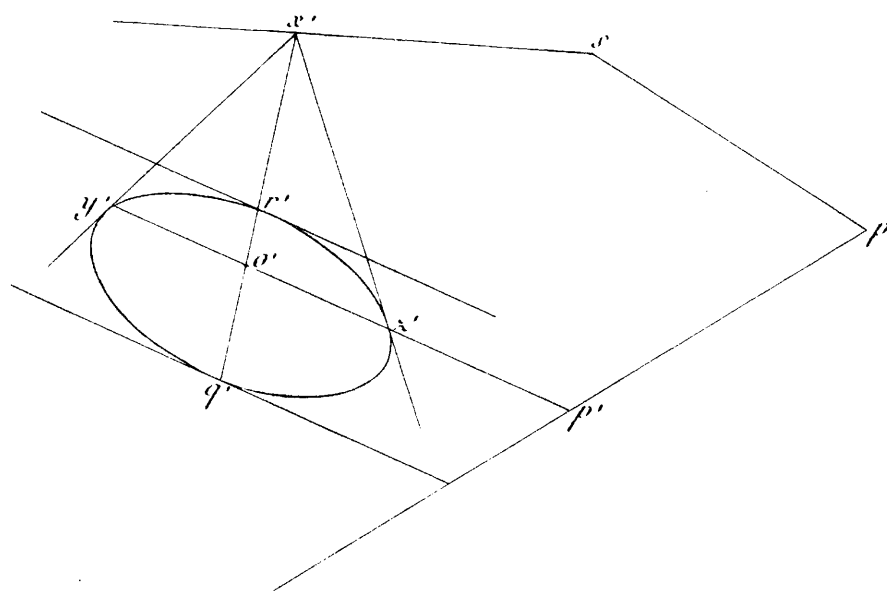


Fig. 212

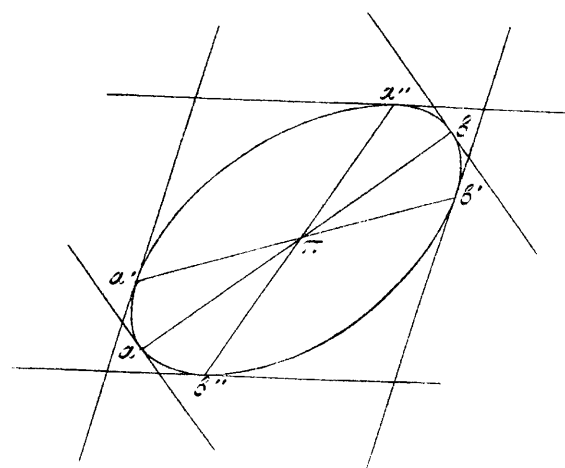


Fig. 211

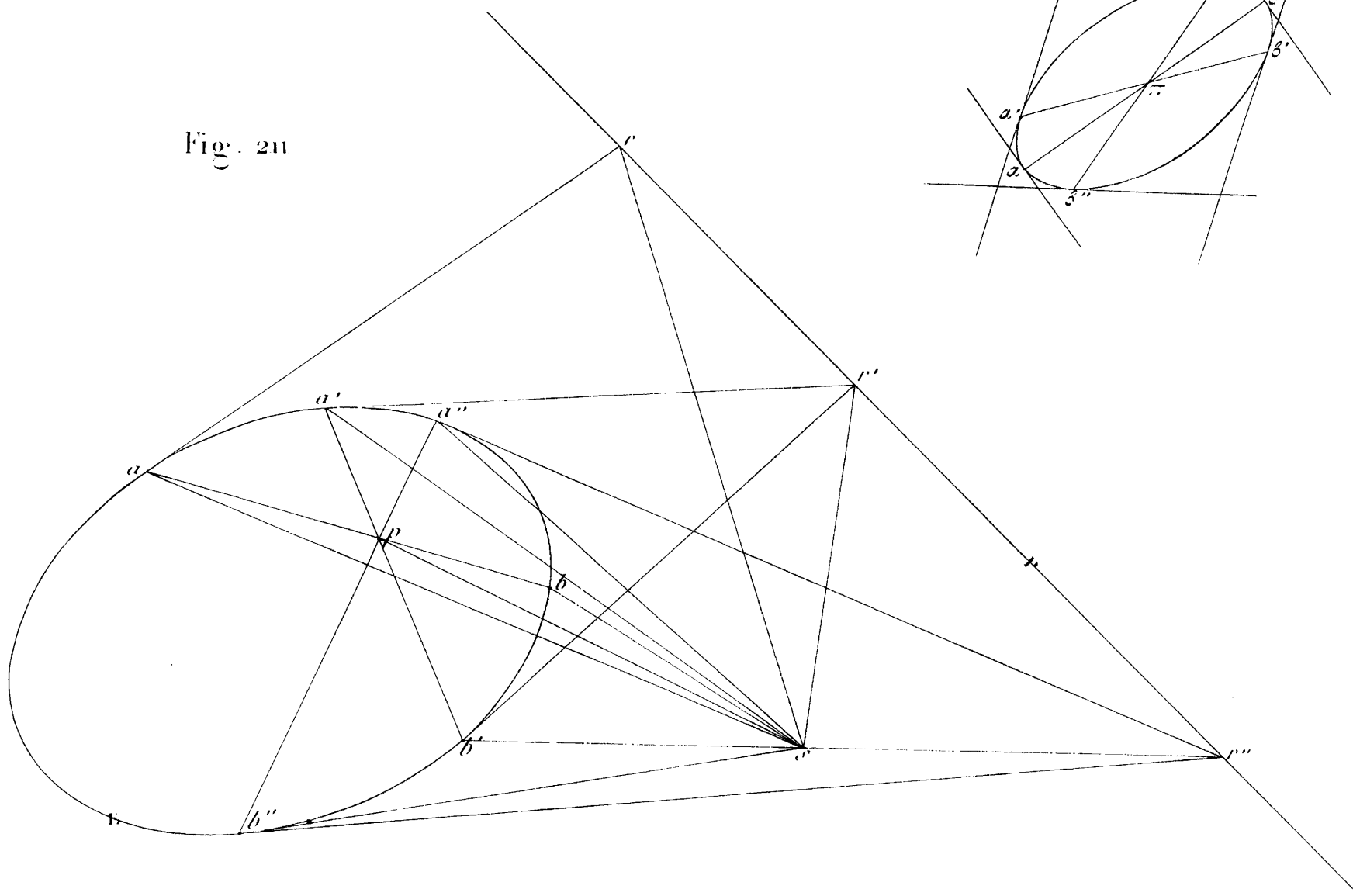


Fig. 213

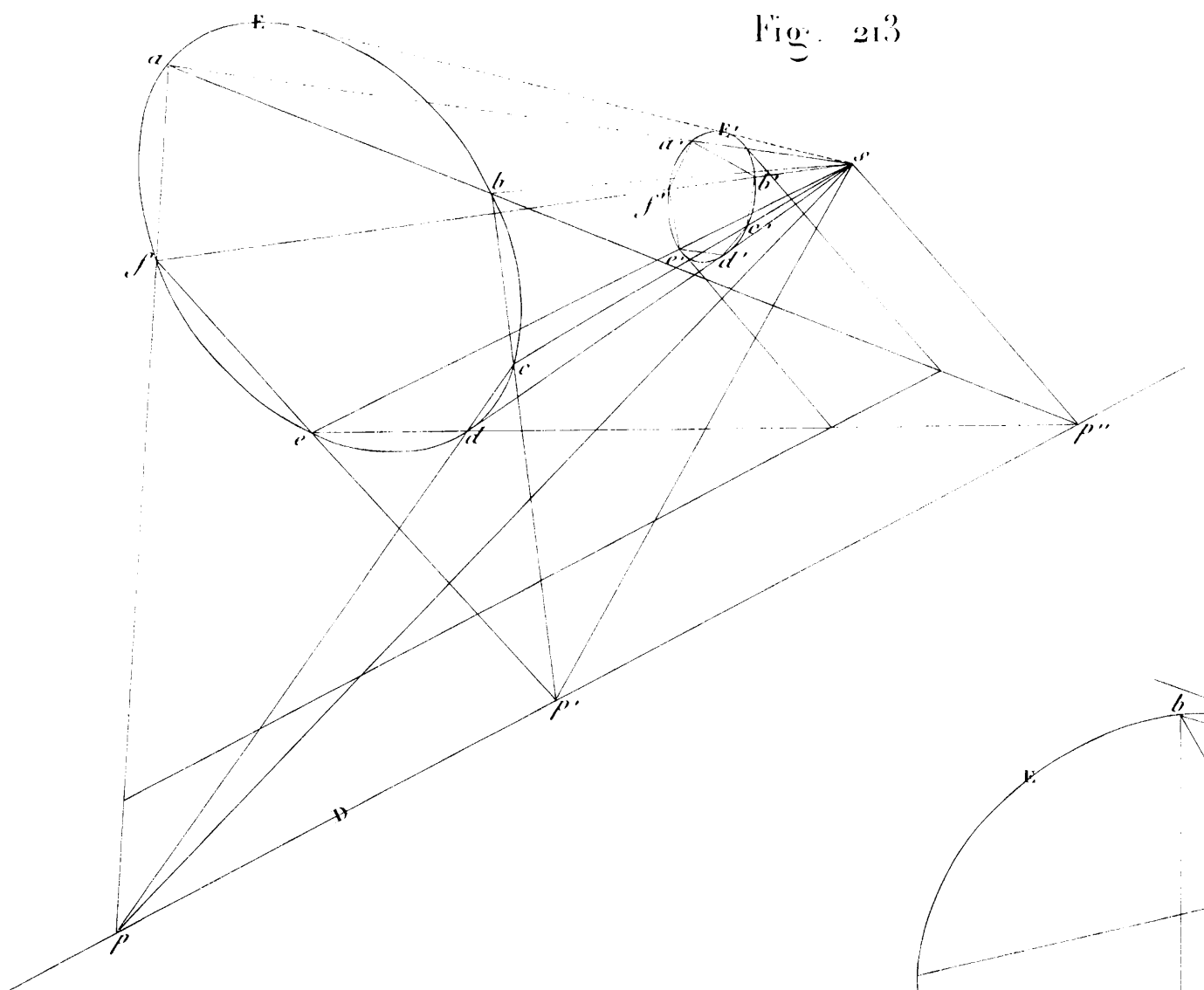


Fig. 215

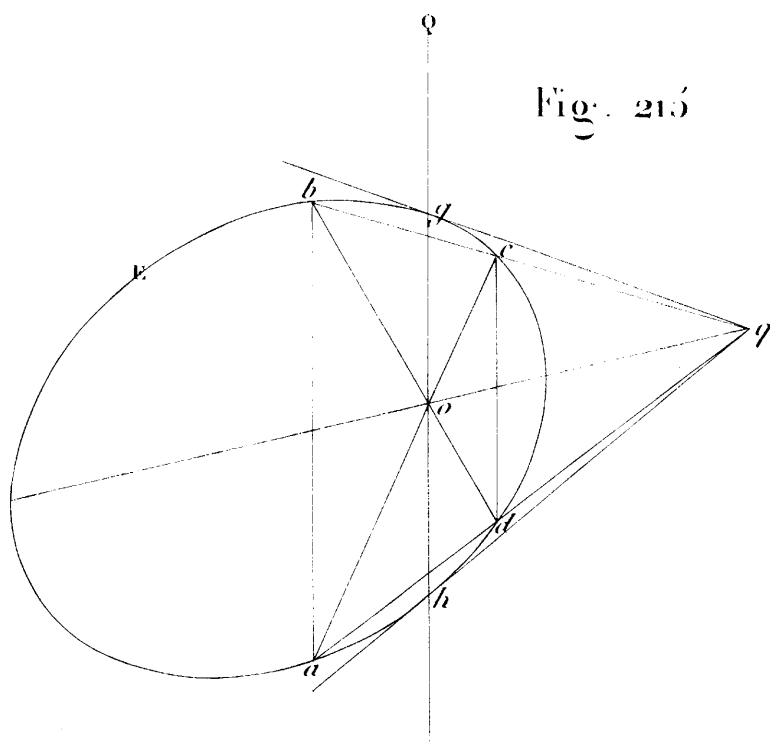


Fig. 214

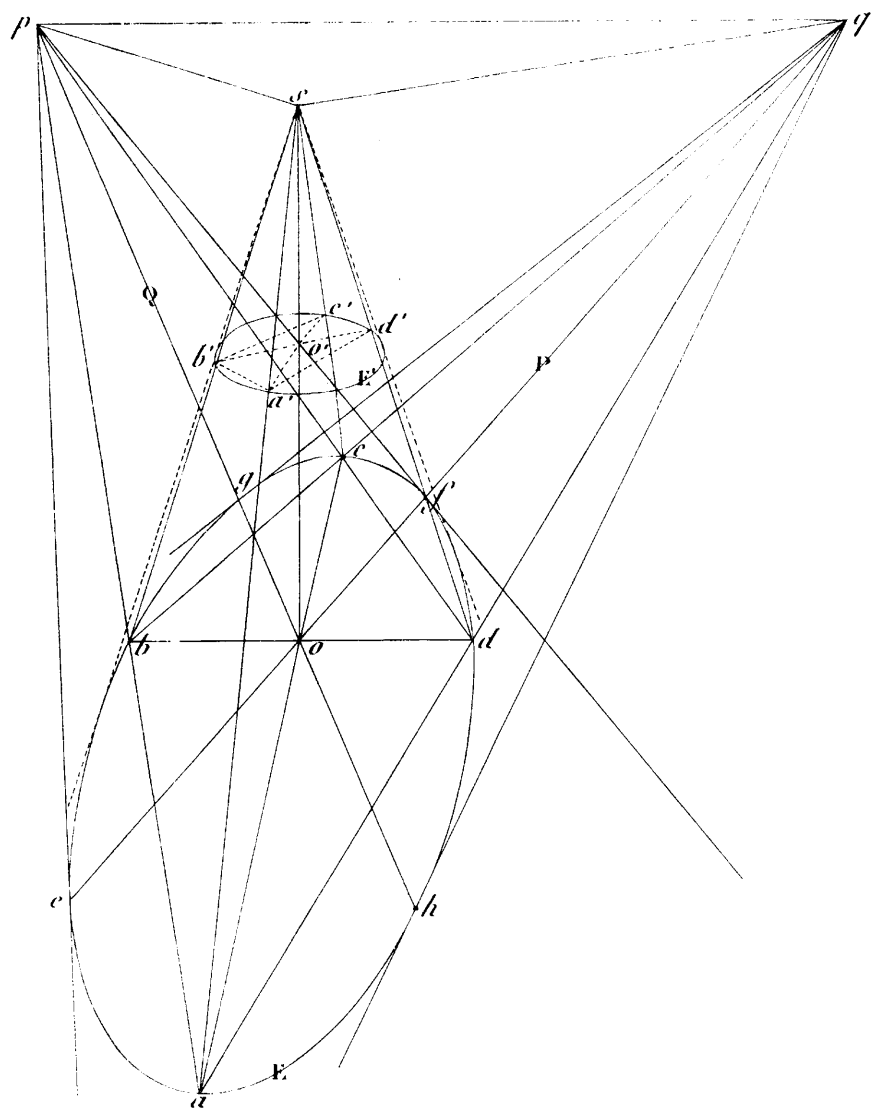


Fig. 215 bis

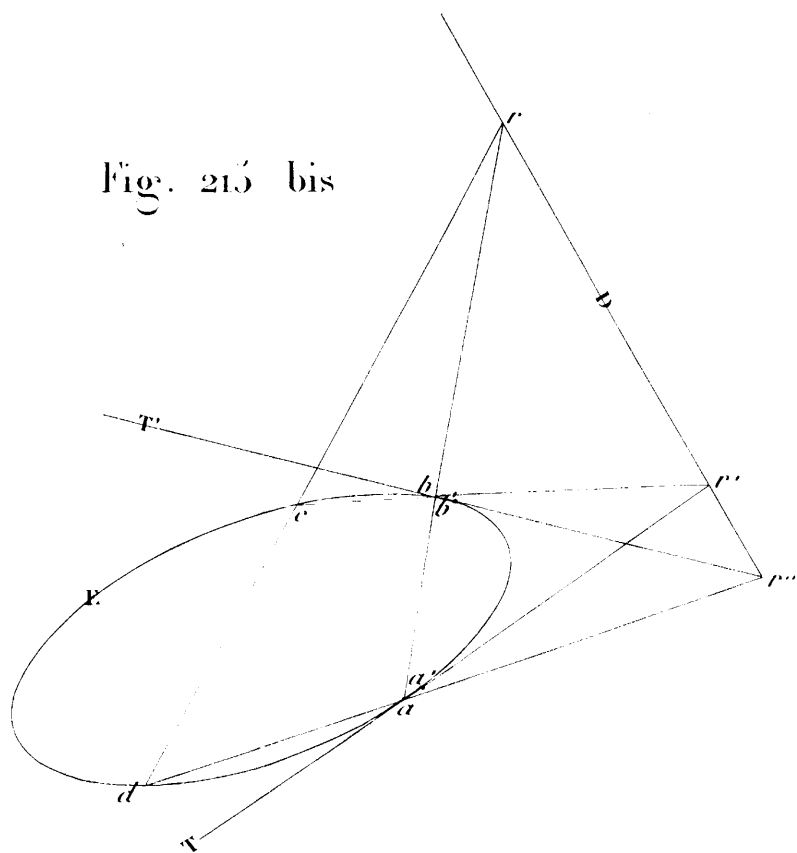


Fig. 215 ter

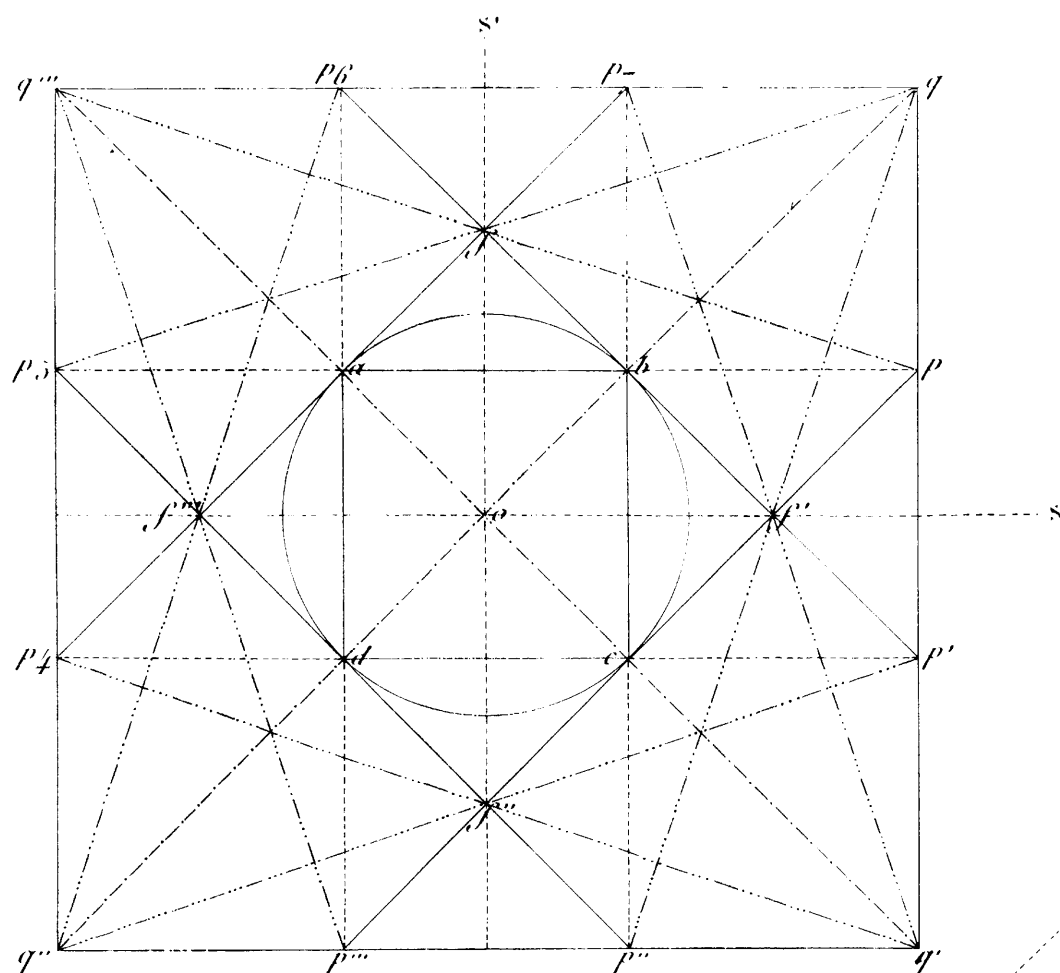


Fig. 215 quart.

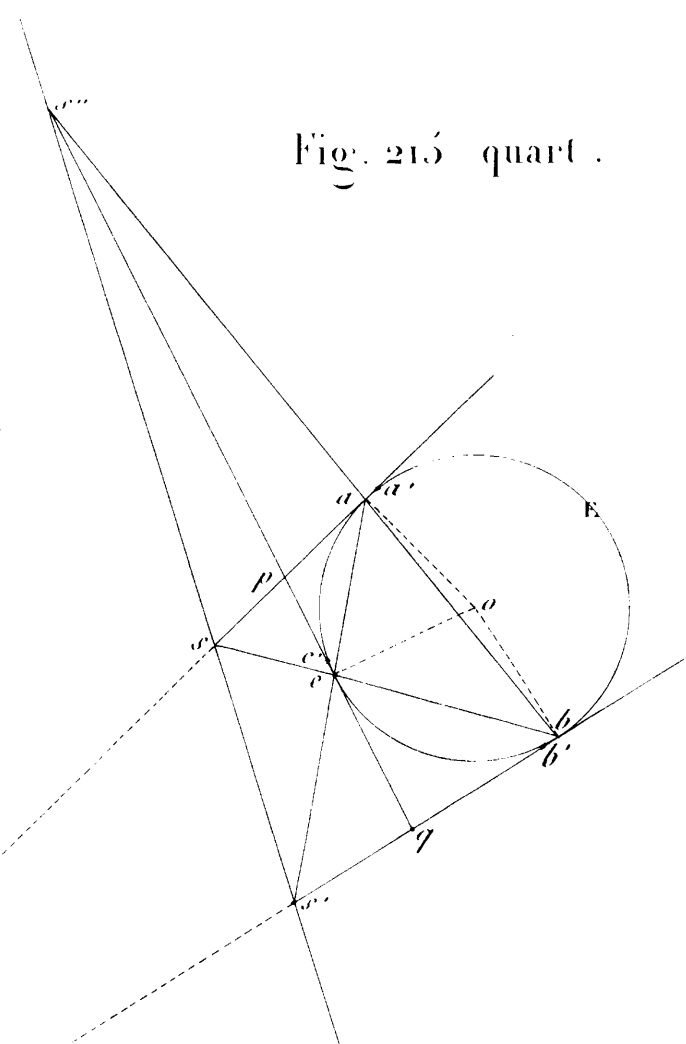


Fig. 215 a

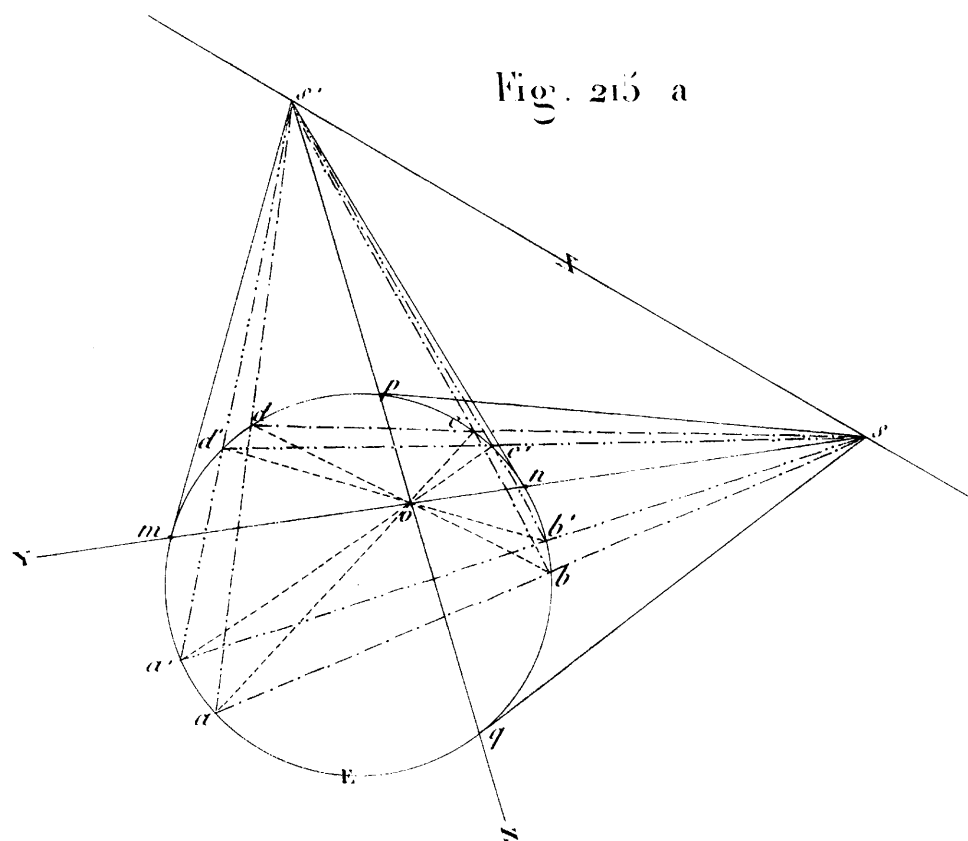


Fig. 215 b

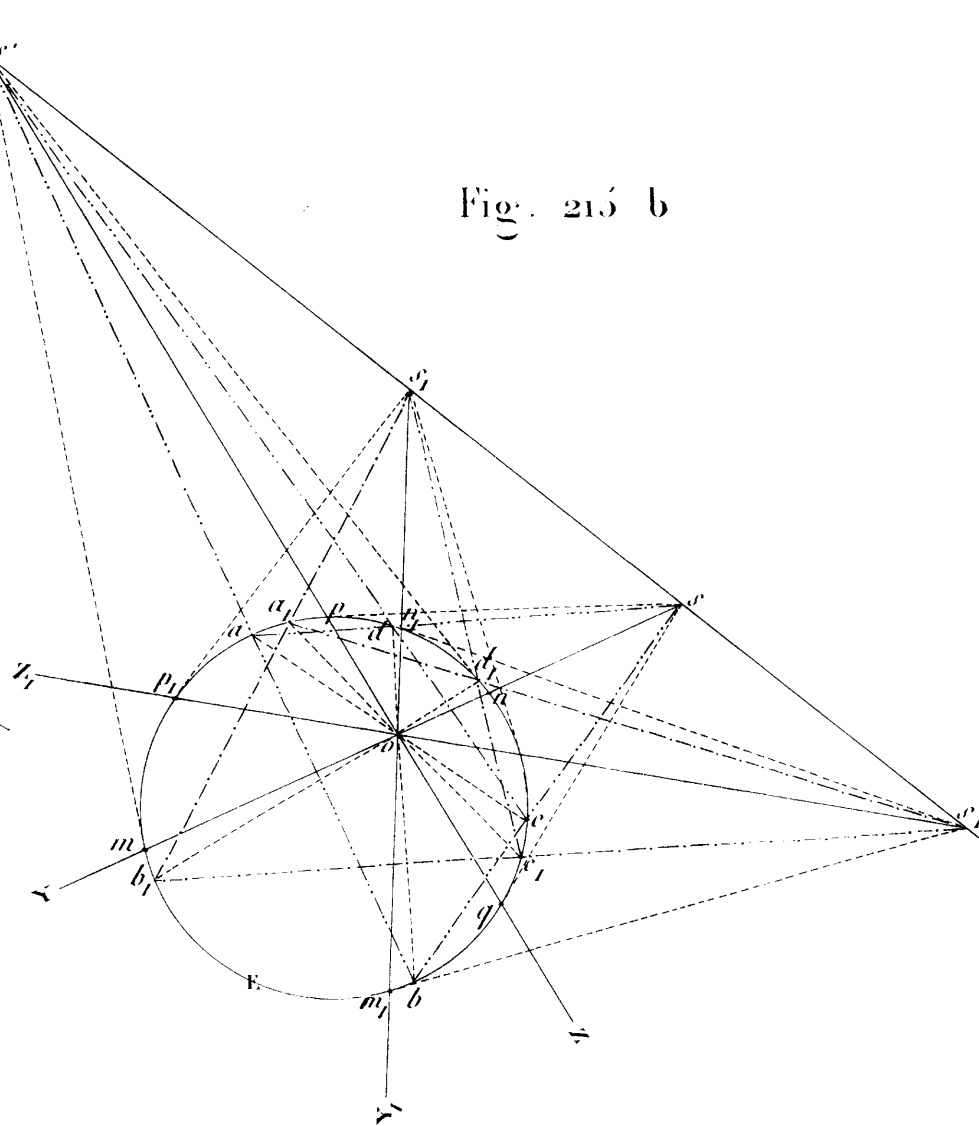


Fig. 217 .

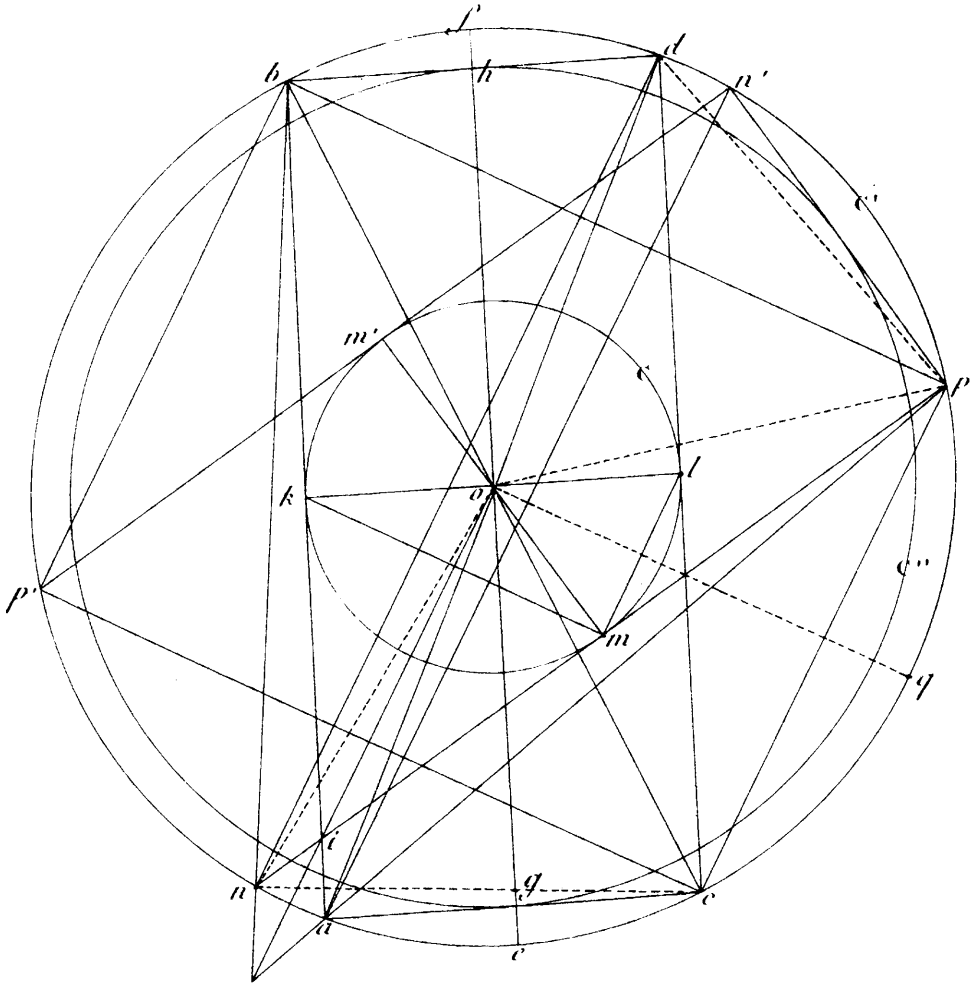


Fig. 216

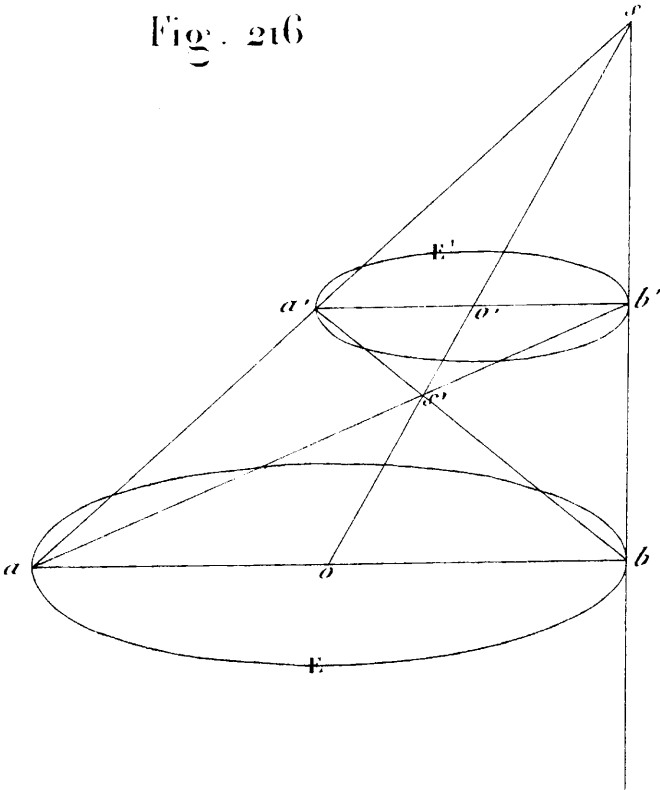


Fig. 218 .

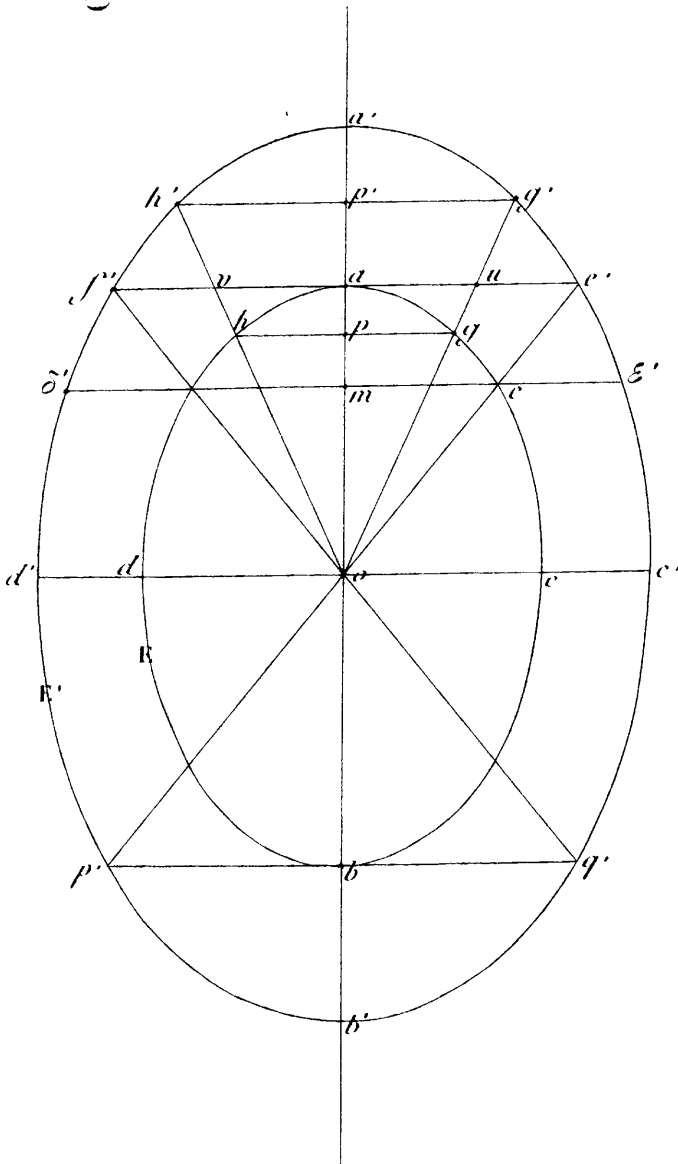


Fig. 218 bis

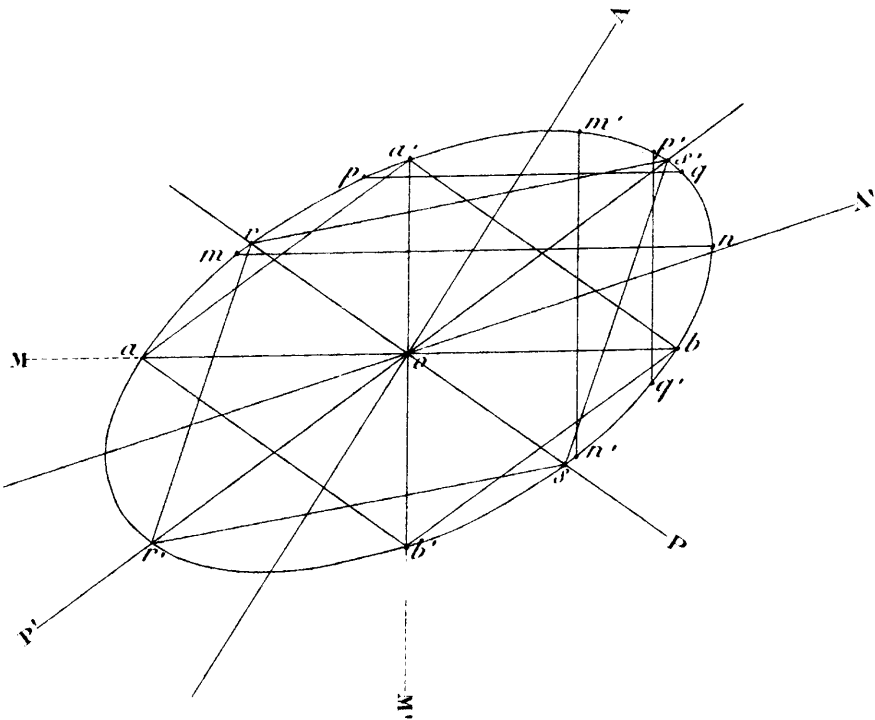


Fig. 218 a .

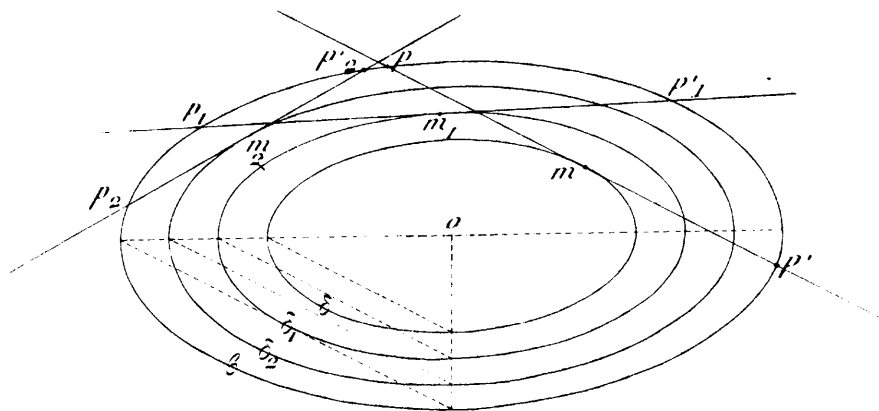


Fig. 218 b .

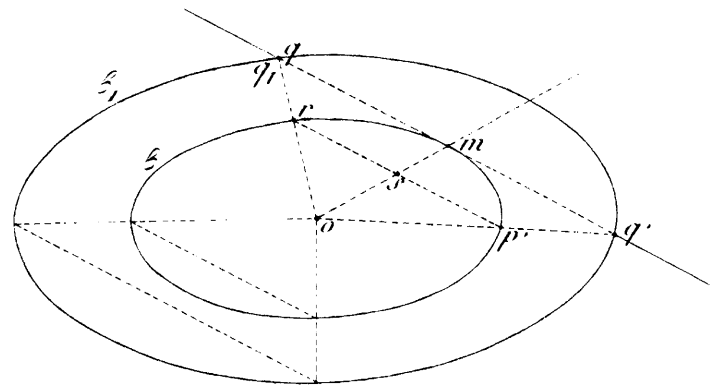


Fig. 218 c .

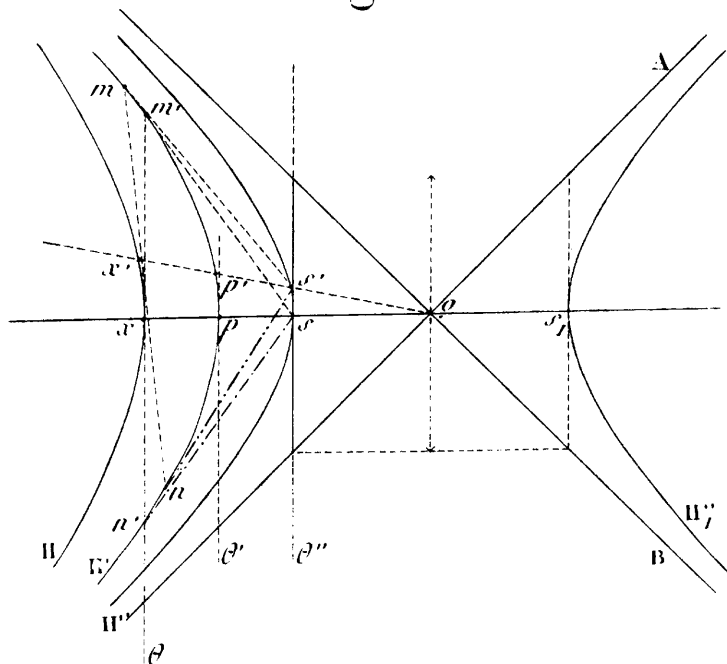


Fig. 218 d .

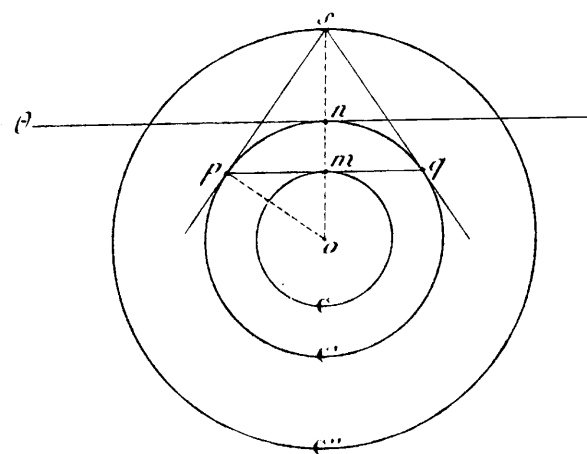


Fig. 218 e

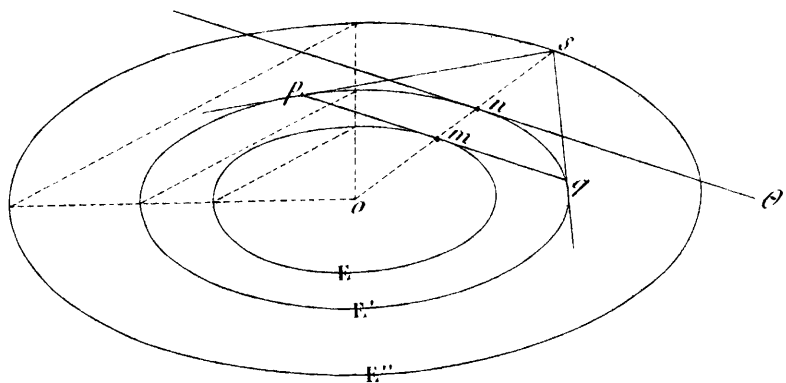


Fig. 218 f .

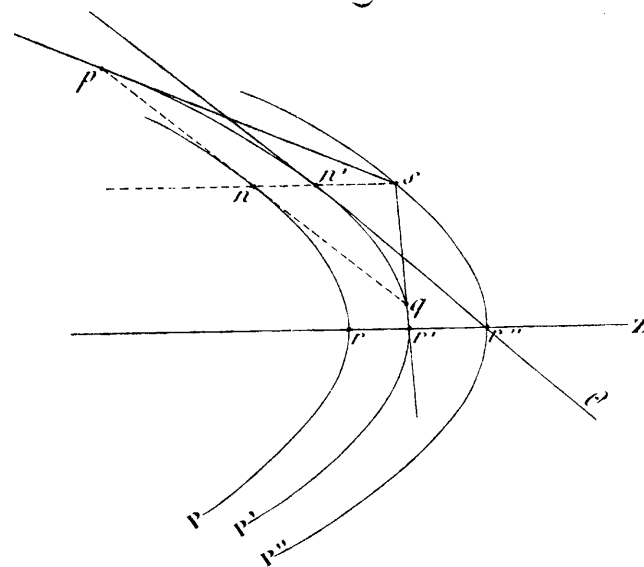


Fig. 219

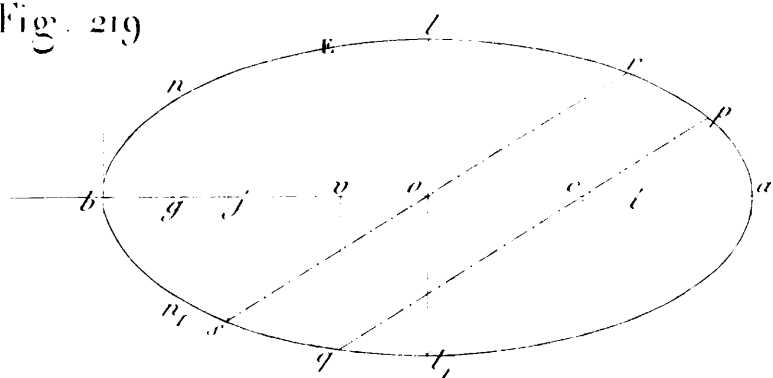


Fig. 220

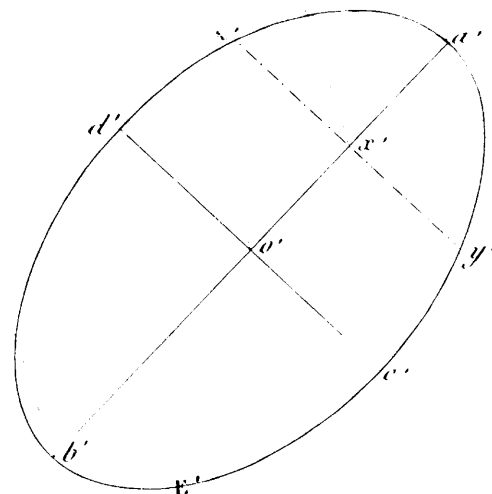
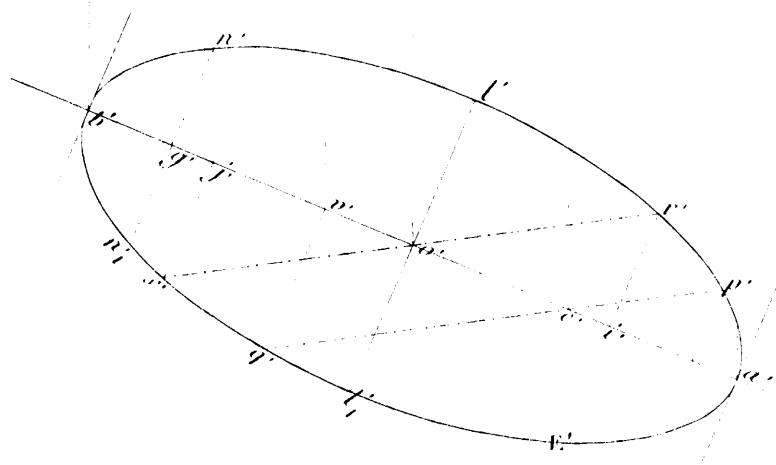
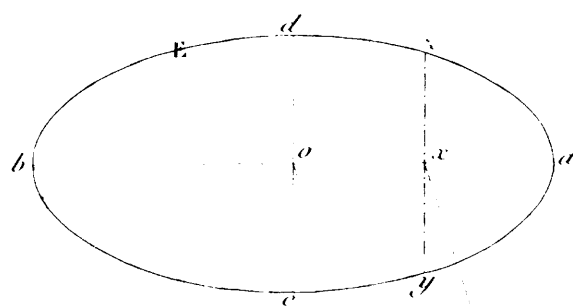


Fig. 220 N

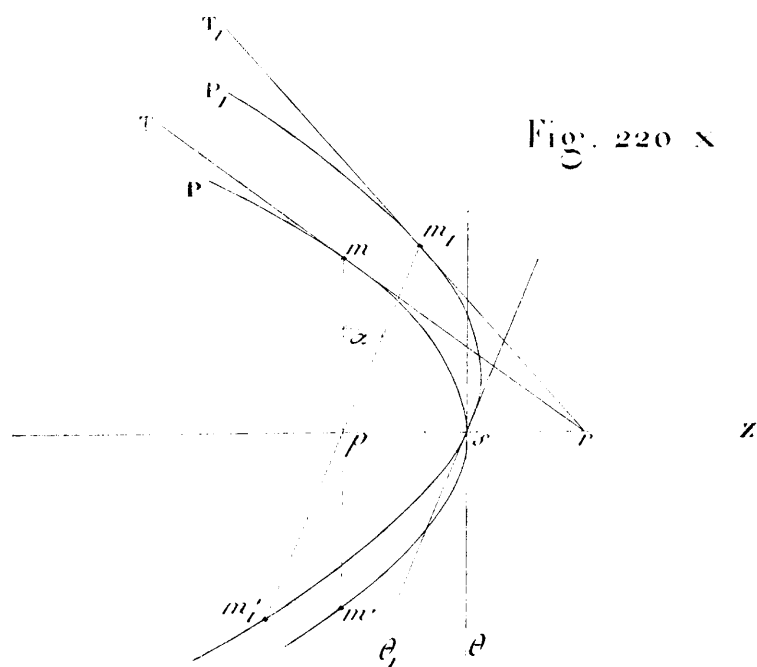


Fig. 220 bis

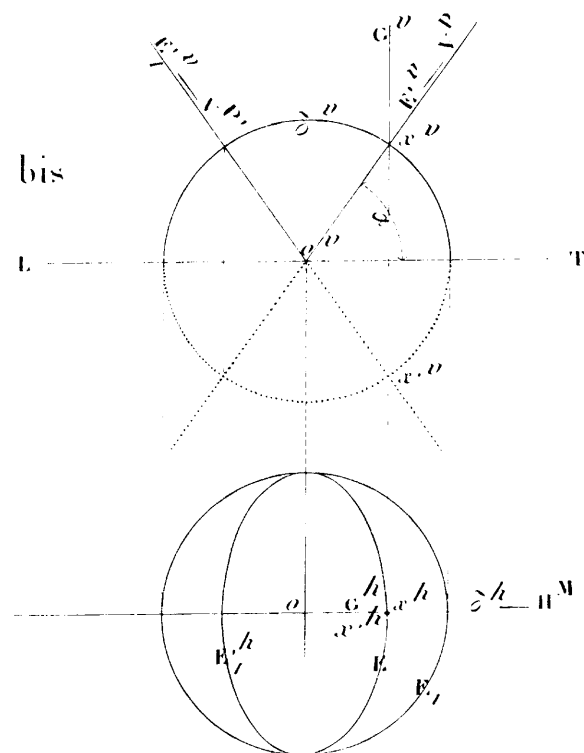


Fig. 220 ter.

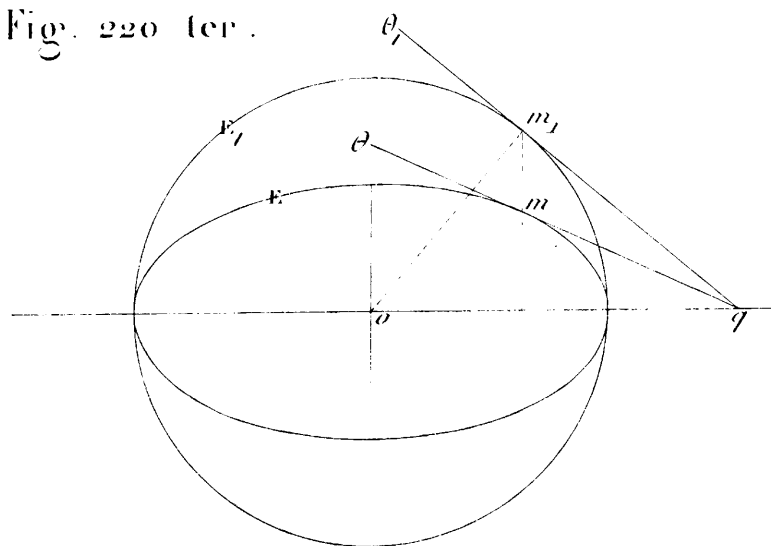


Fig. 220 quart.

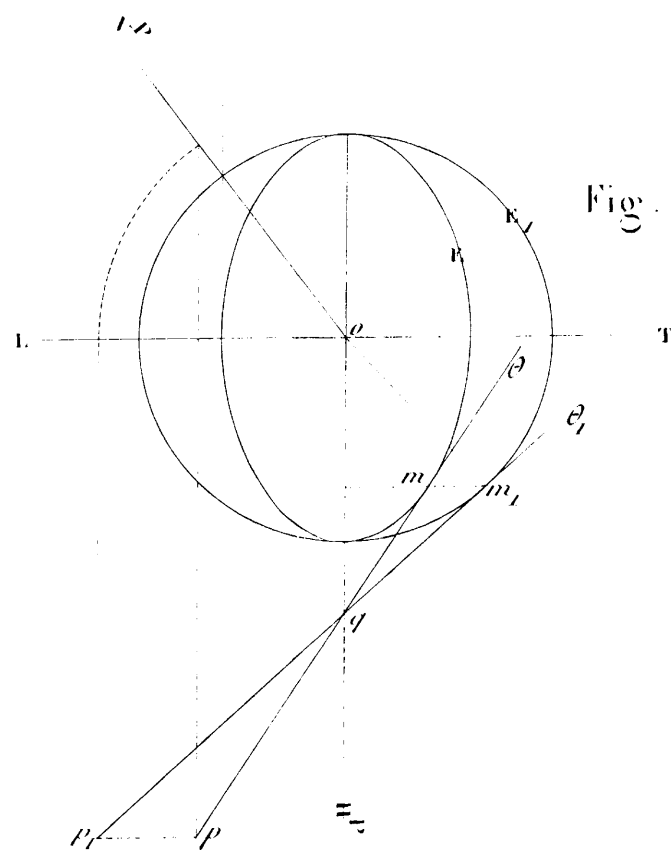


Fig. 220 quint.

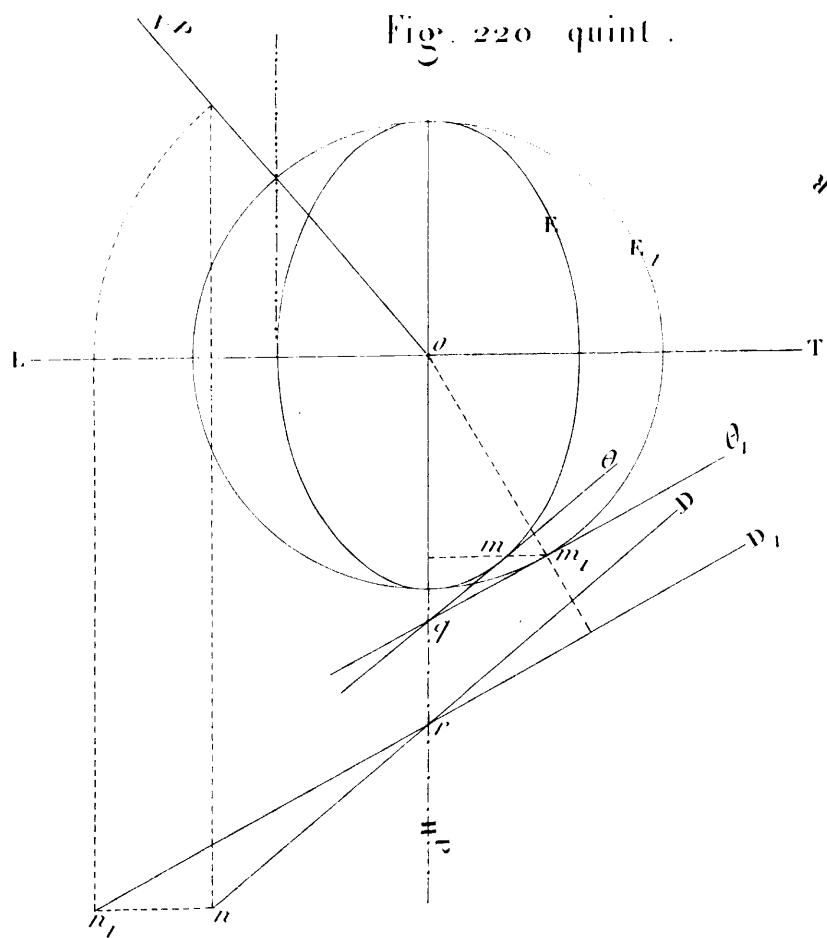


Fig. 220 sex.

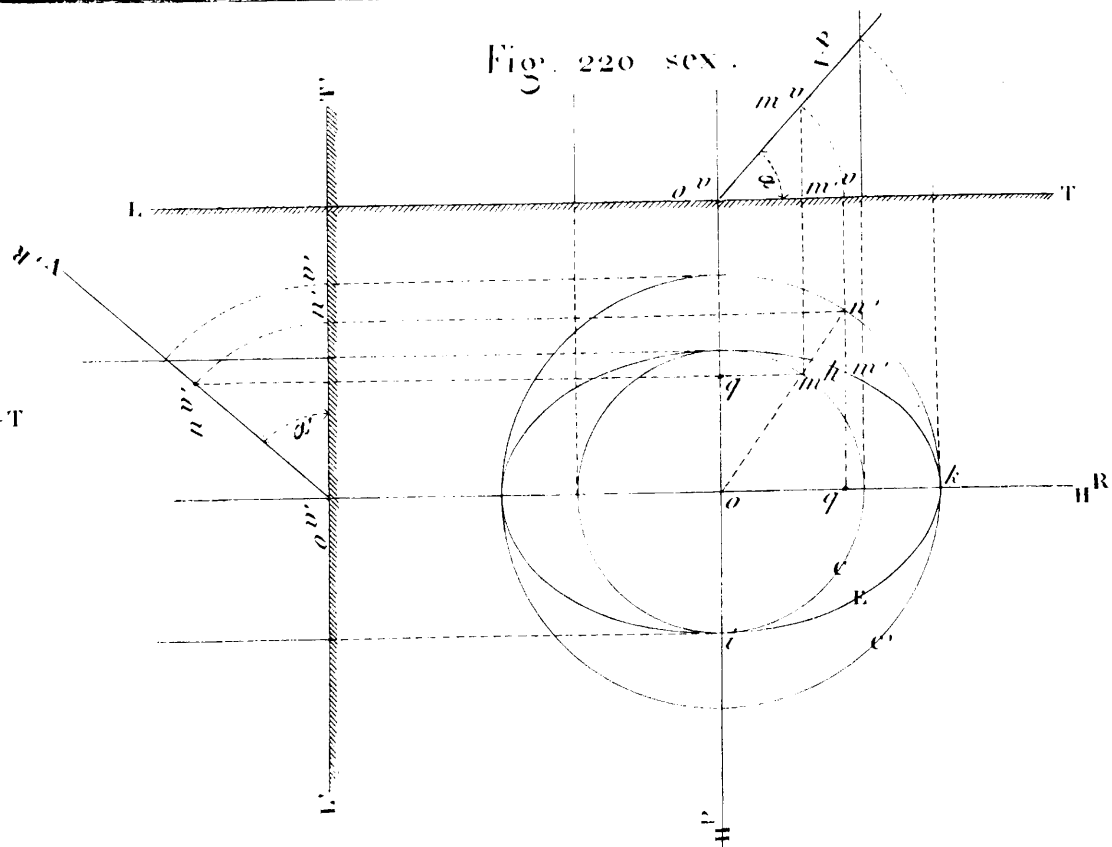


Fig. 220 sept.

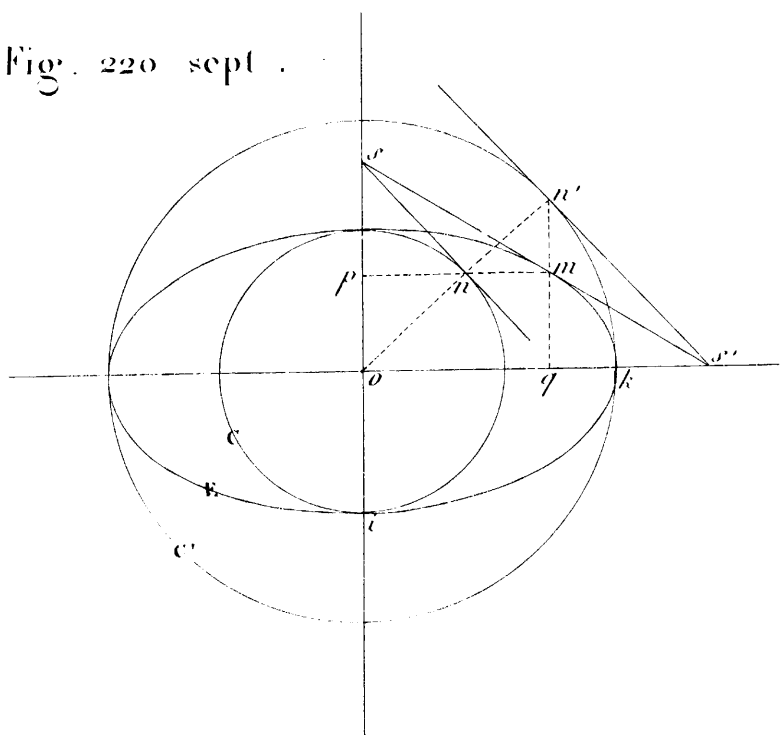


Fig. 220 a

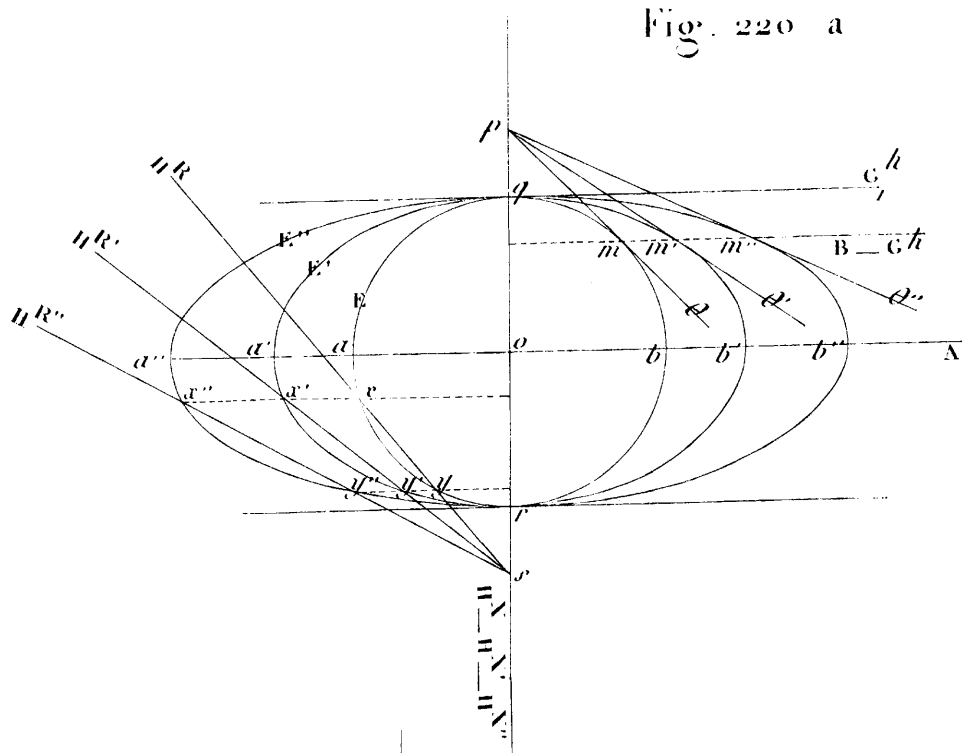


Fig. 220 b

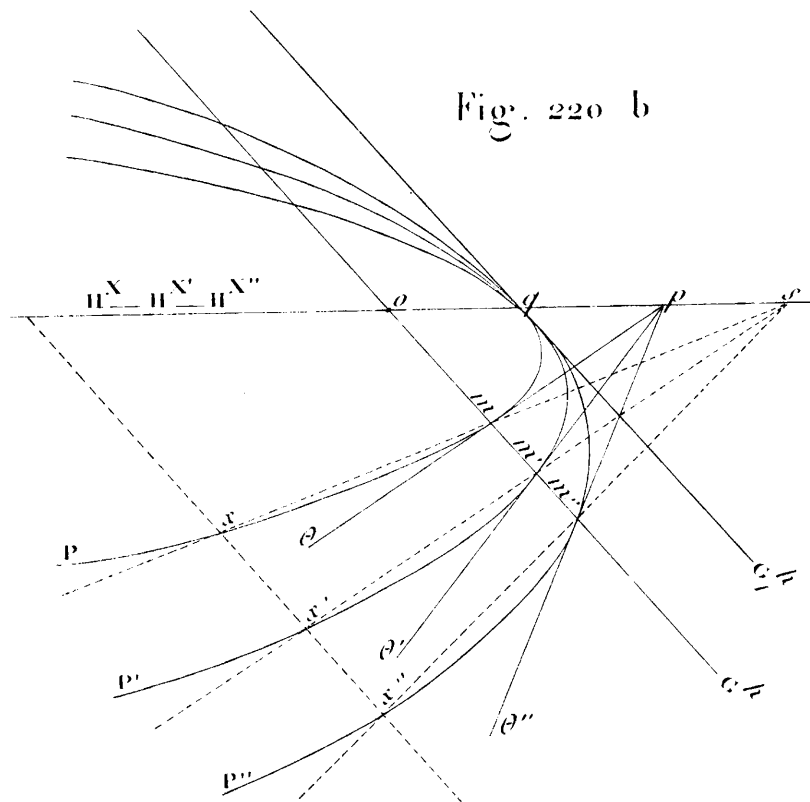
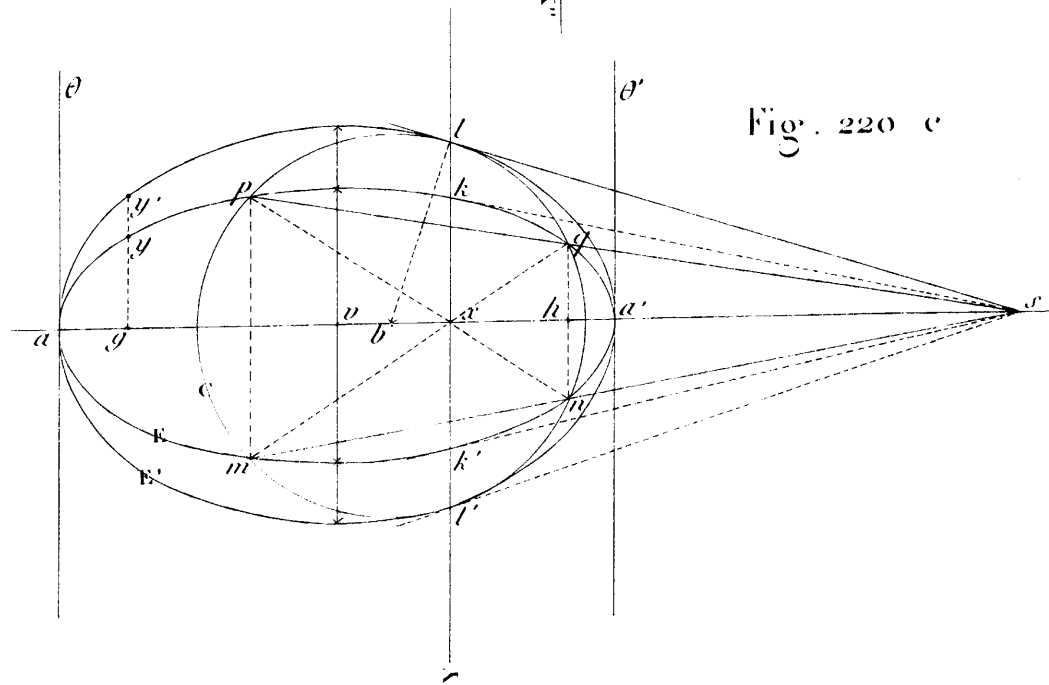


Fig. 220 c



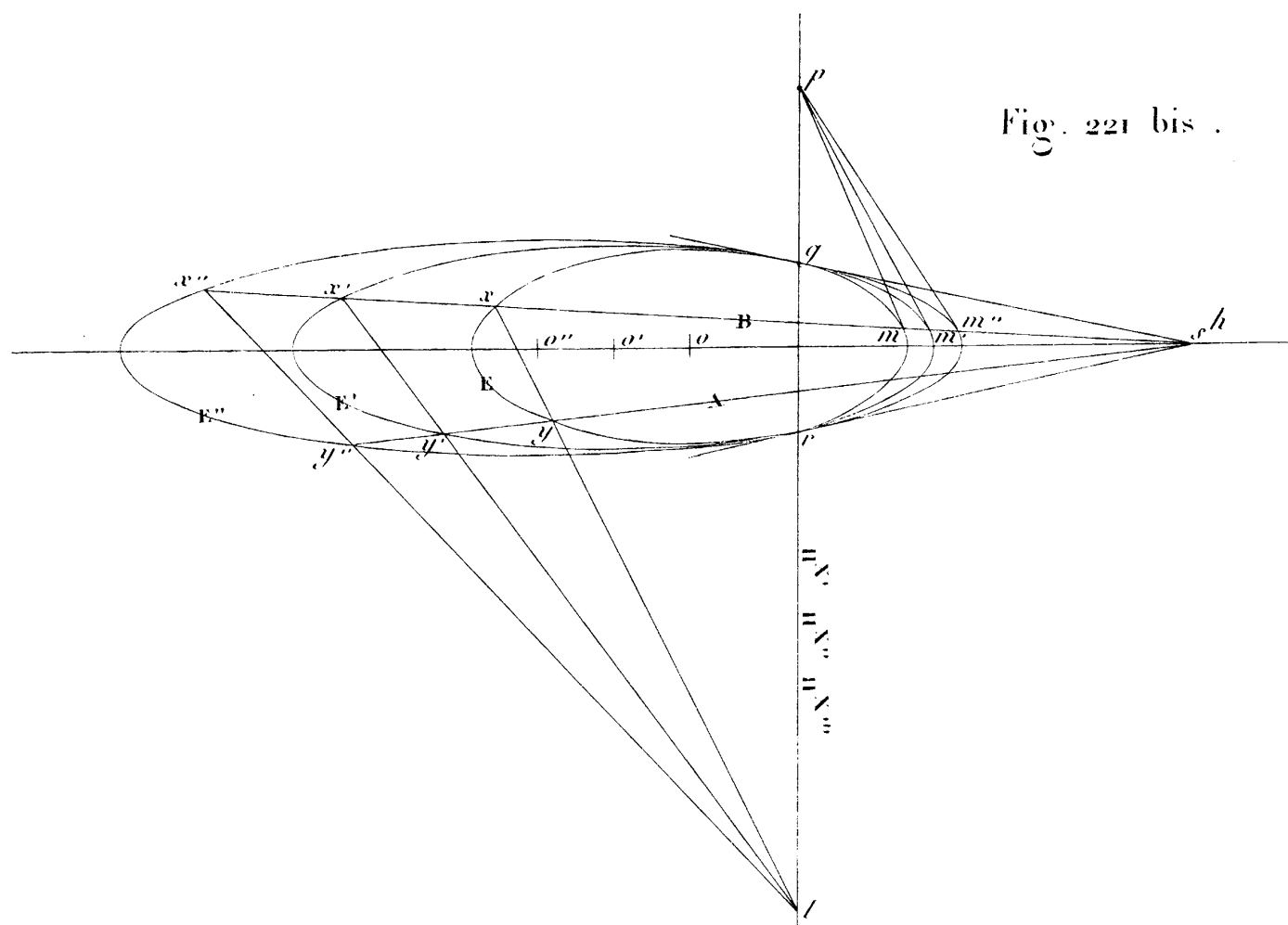
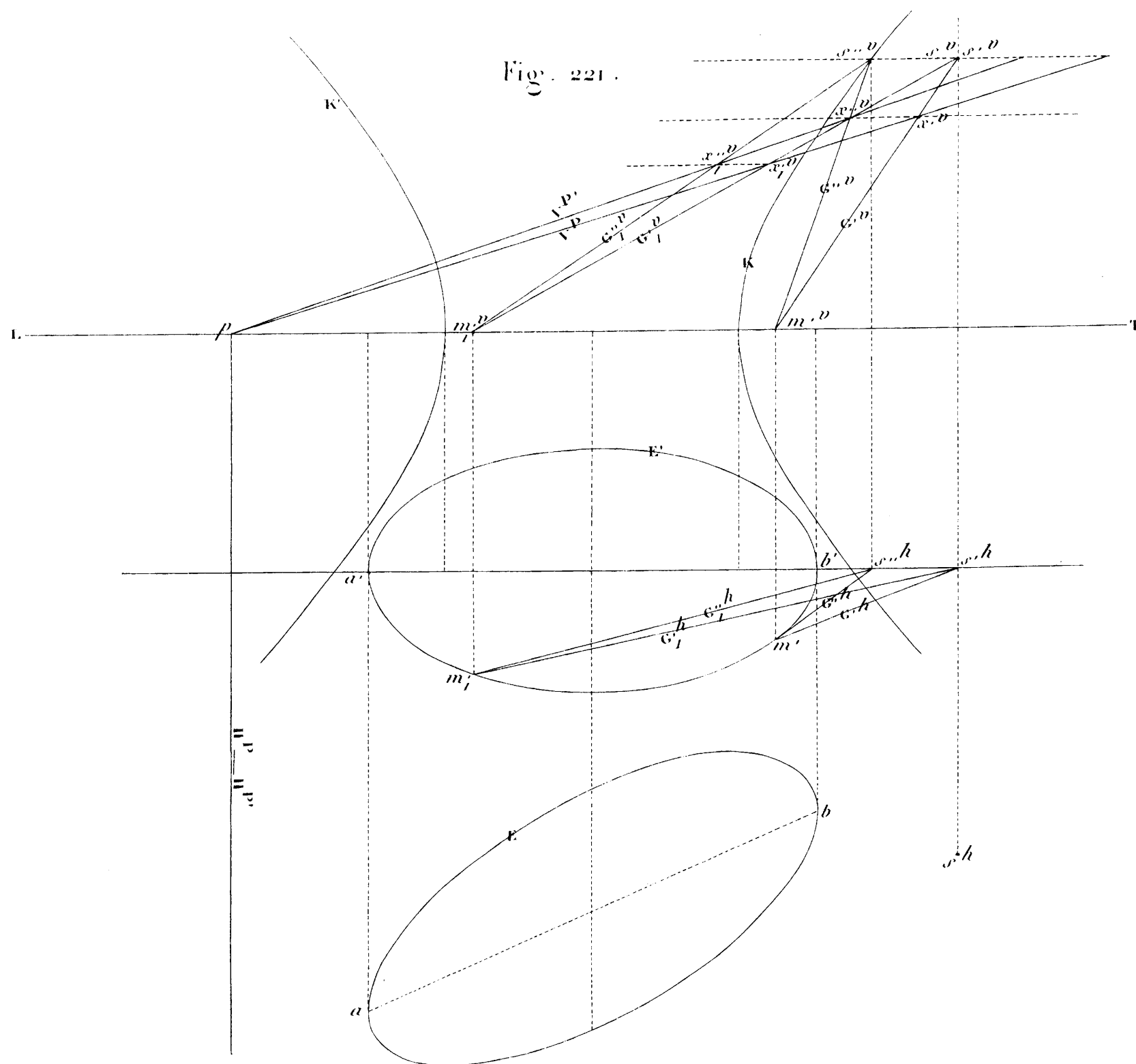


Fig. 222

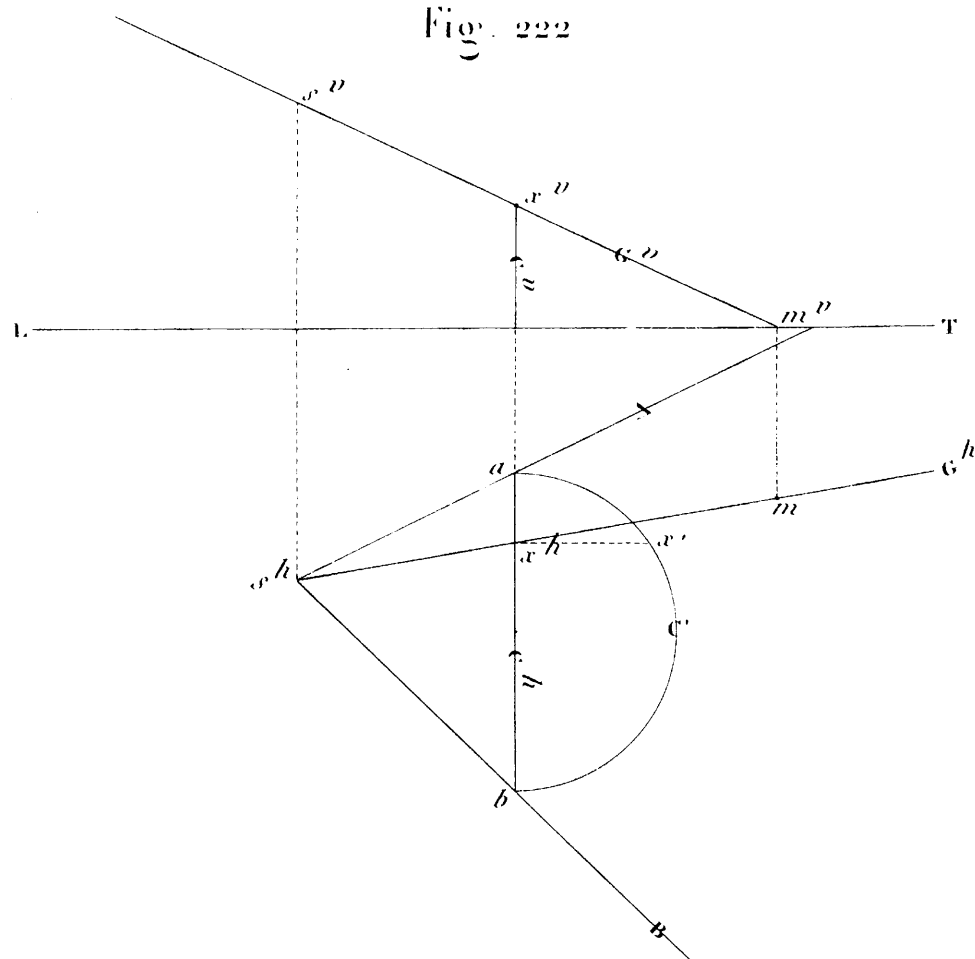


Fig. 224

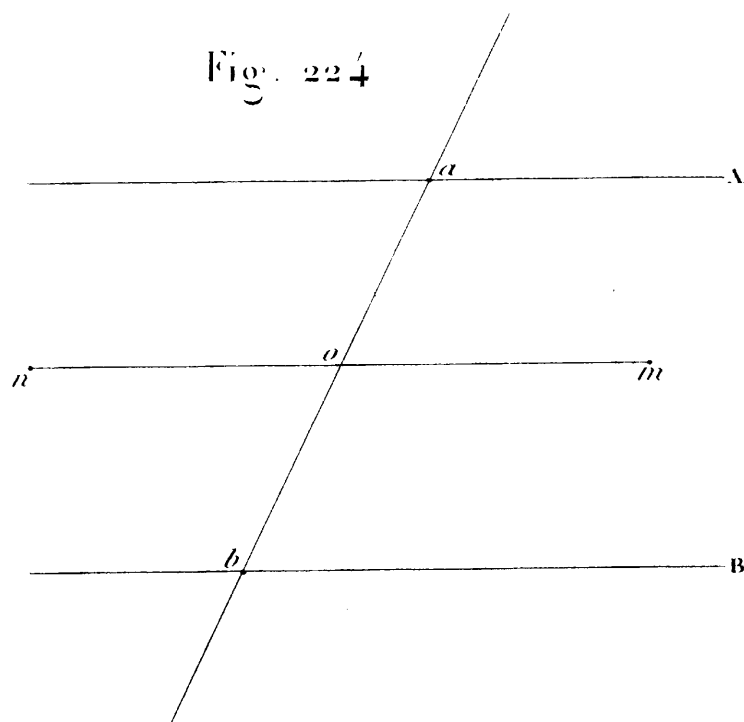


Fig. 223

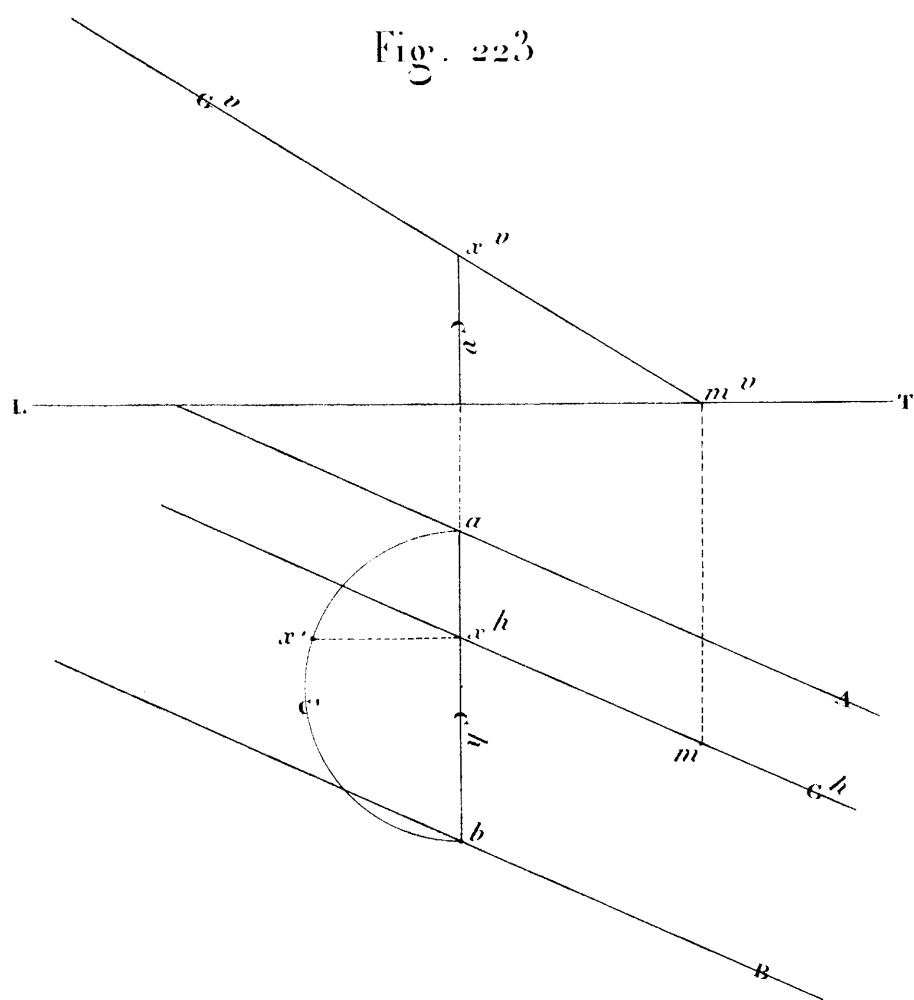
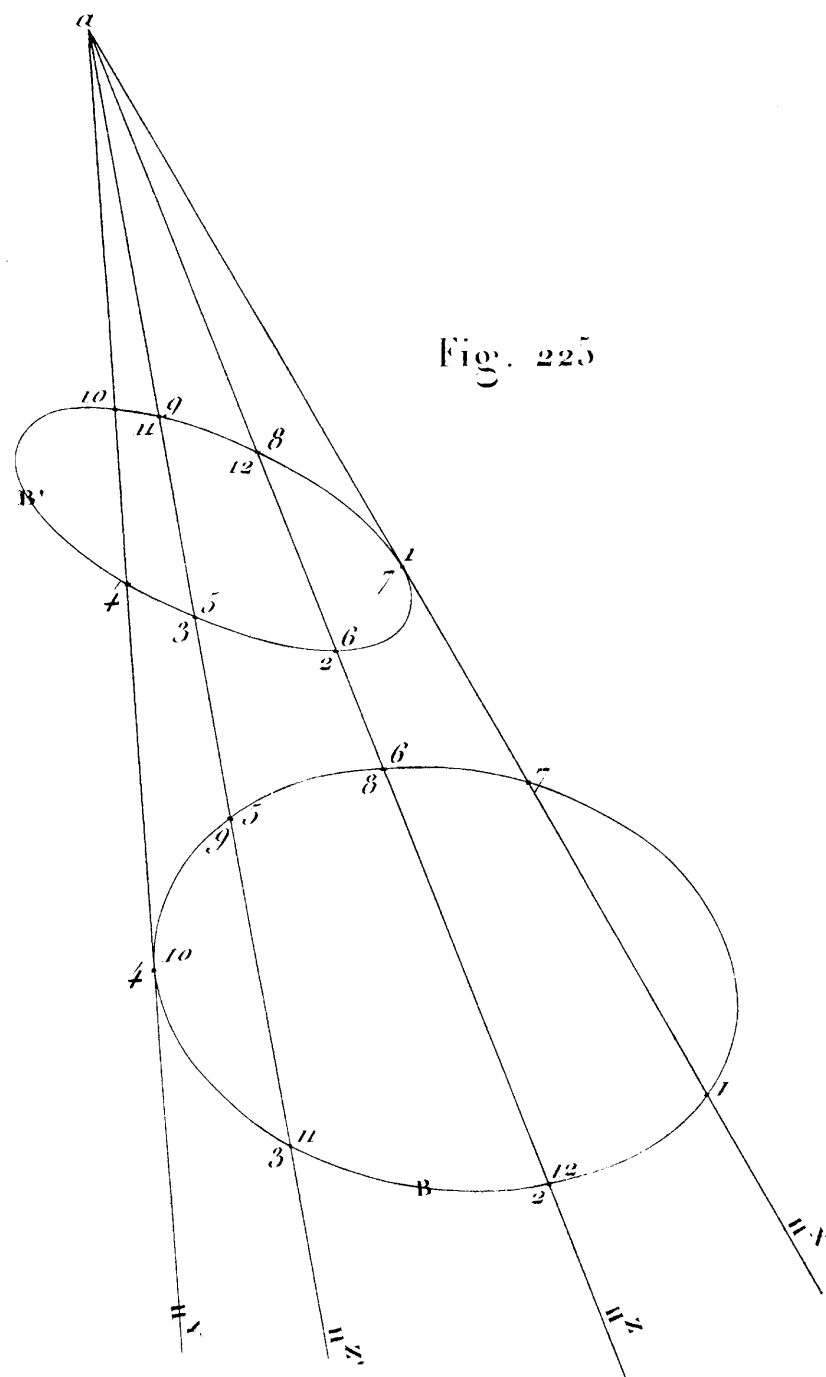
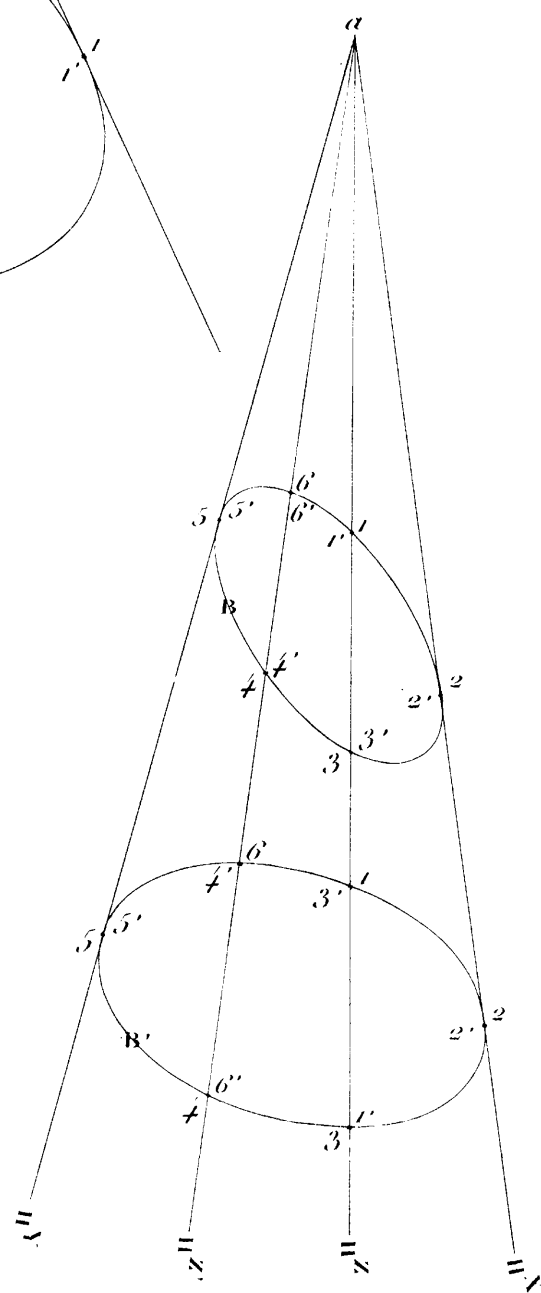
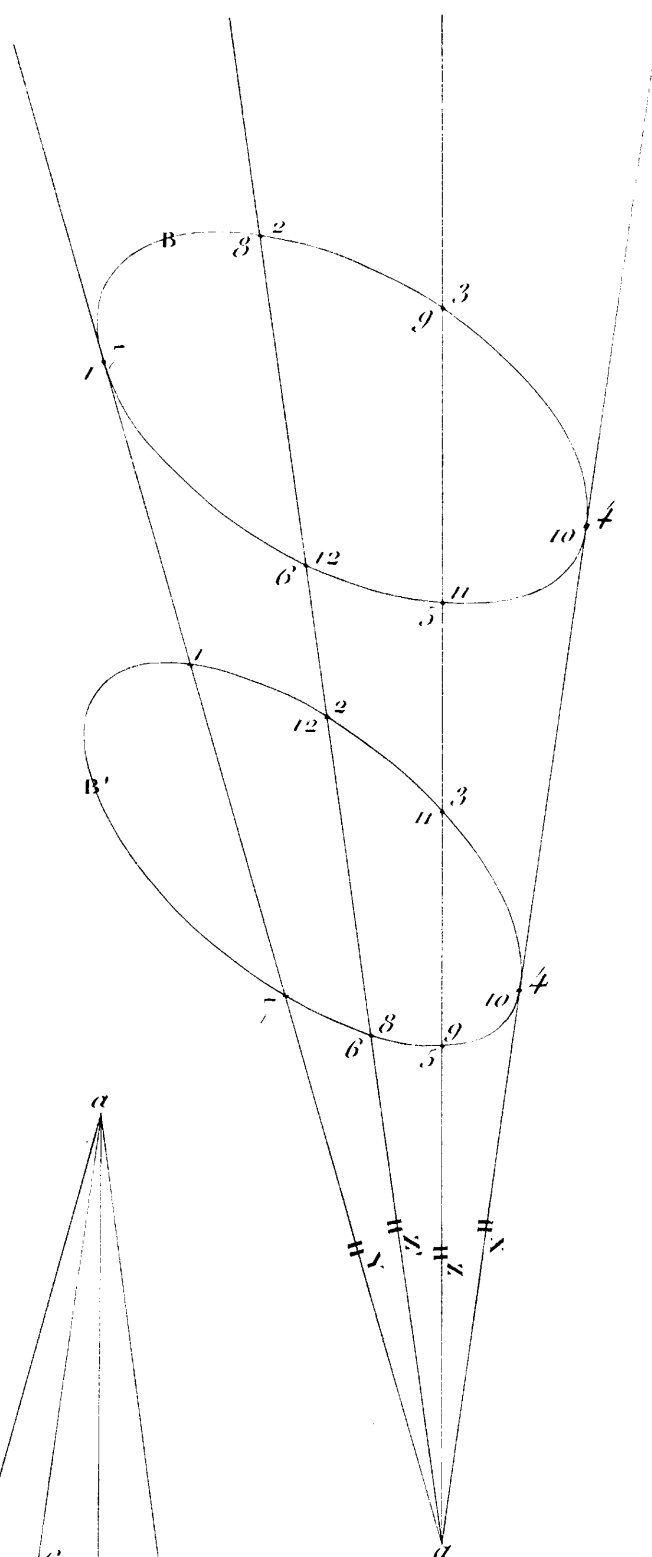
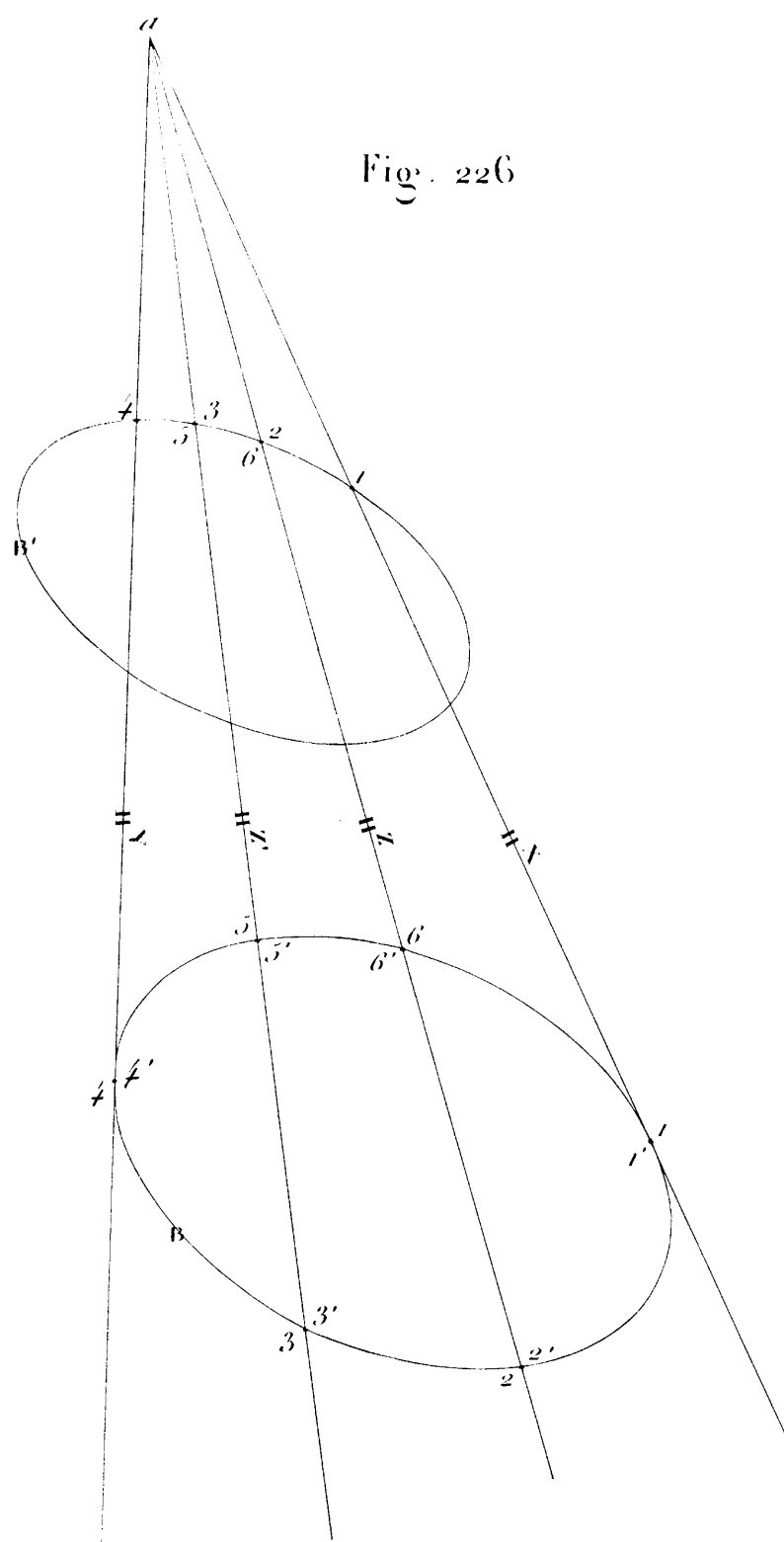


Fig. 225





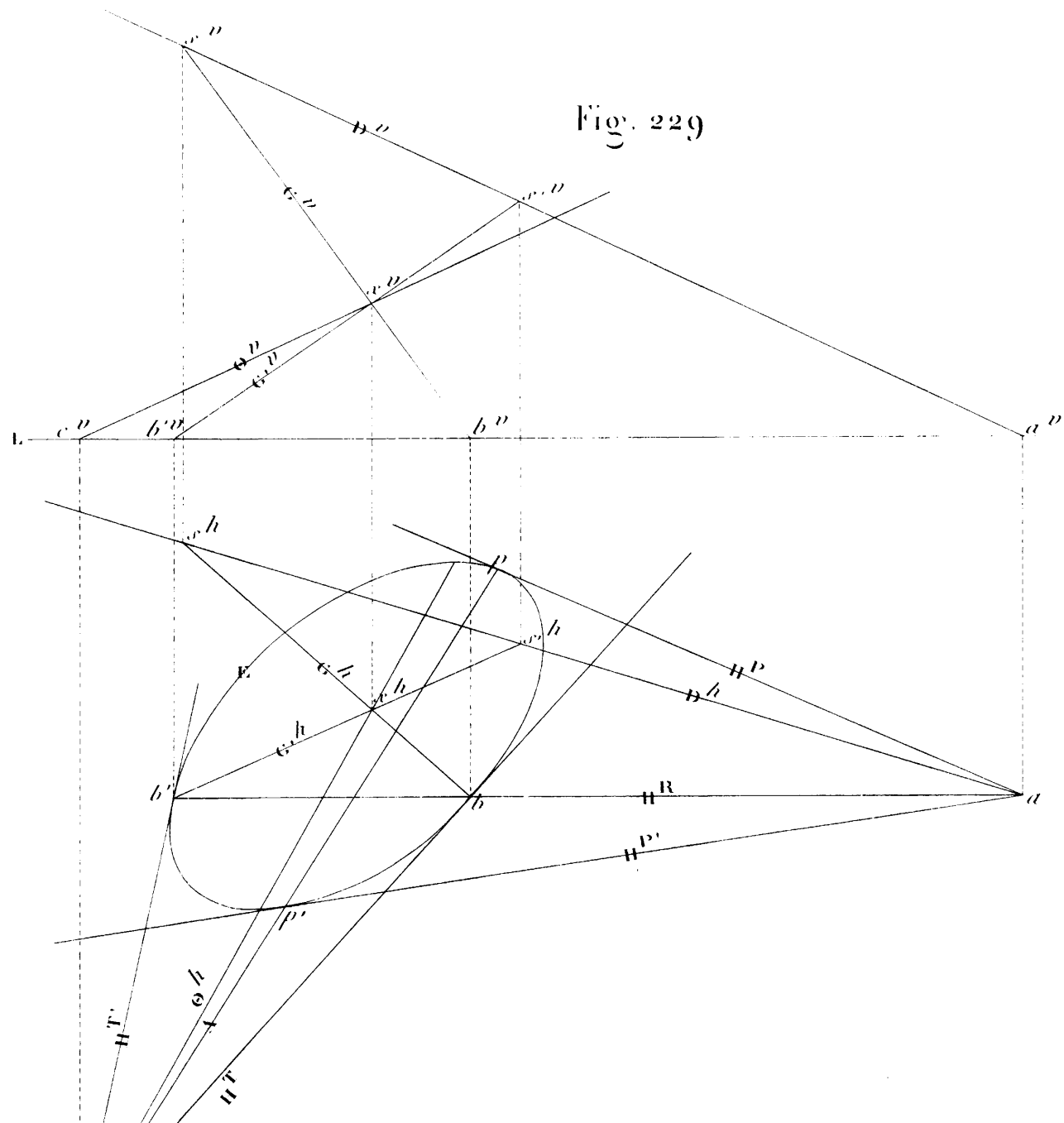


Fig. 229 ter

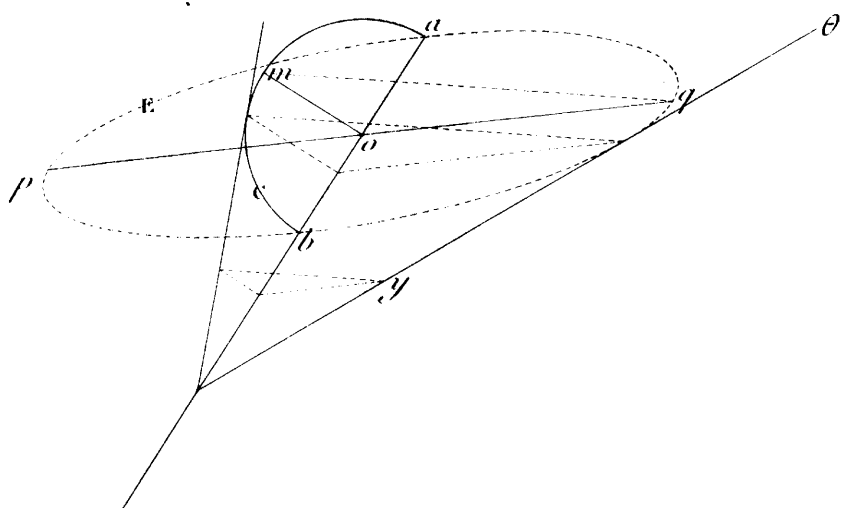


Fig. 229 quint.

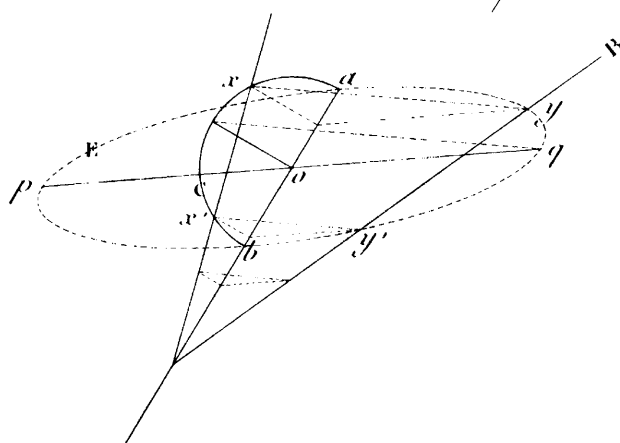


Fig. 229 bis .

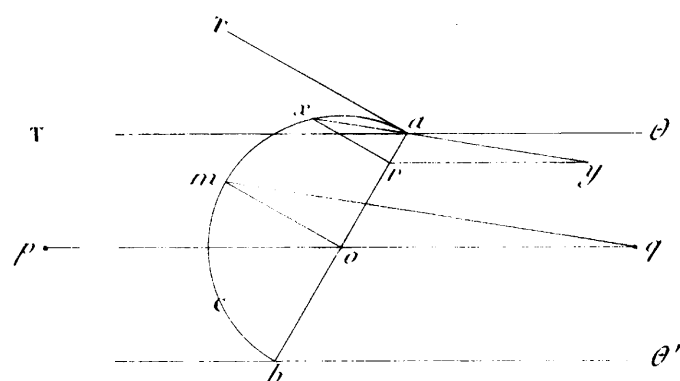
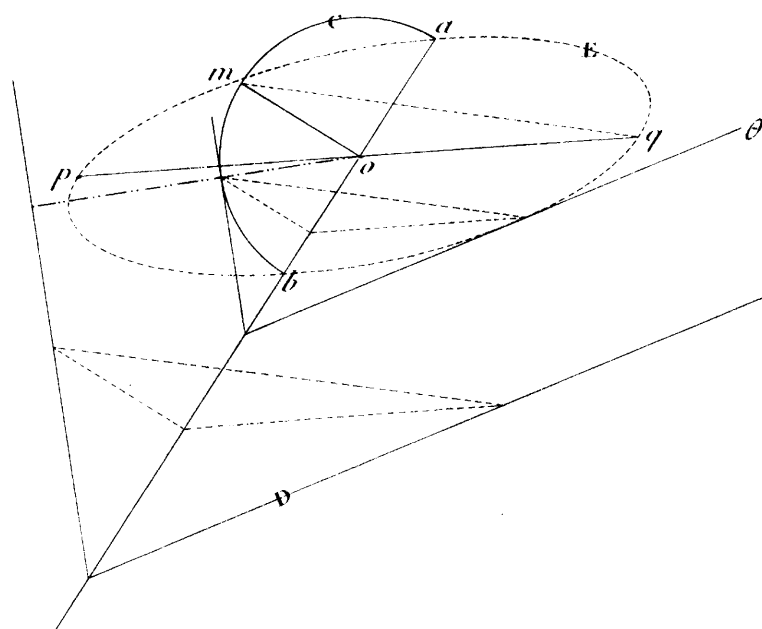


Fig. 229 quart .



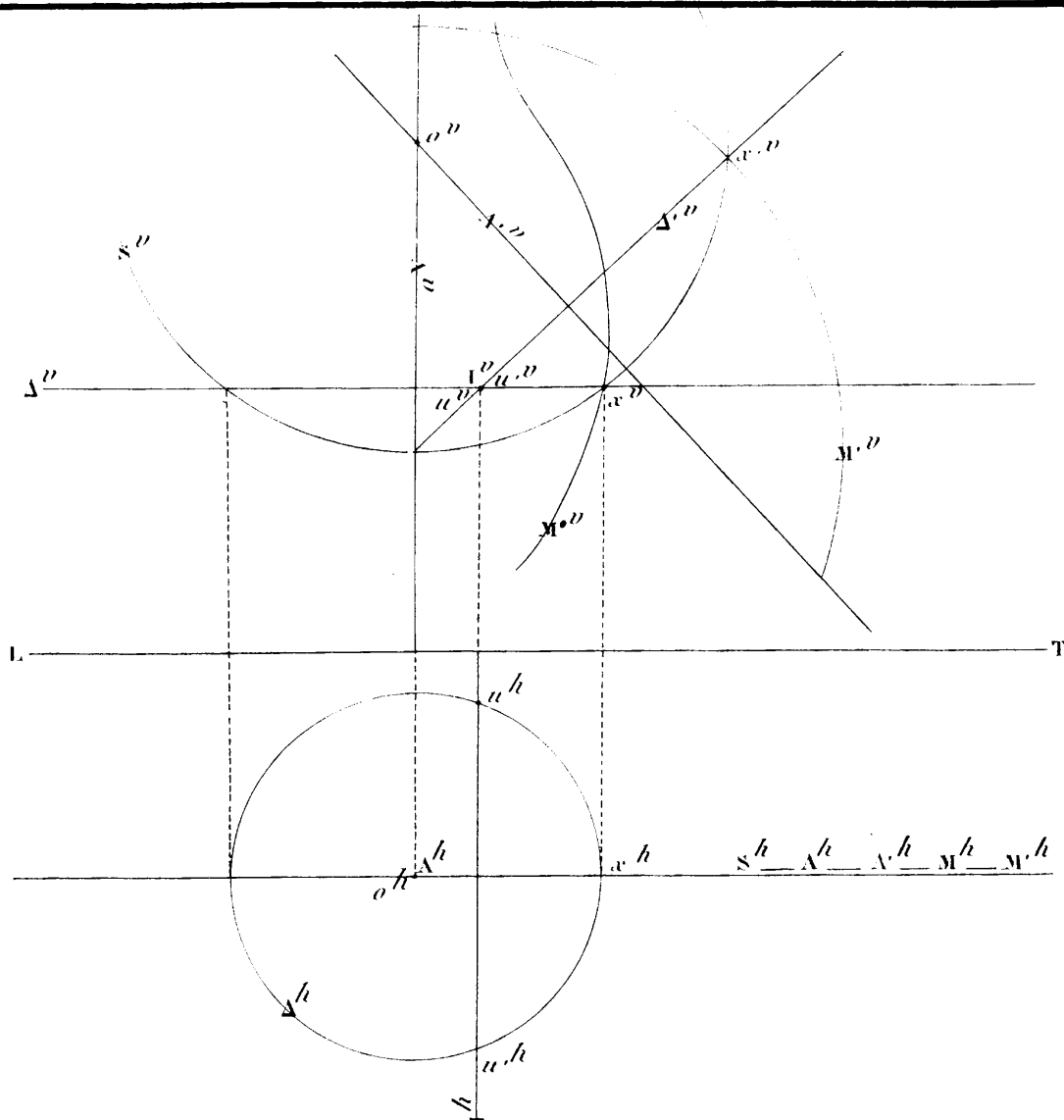


Fig. 231

Fig. 232

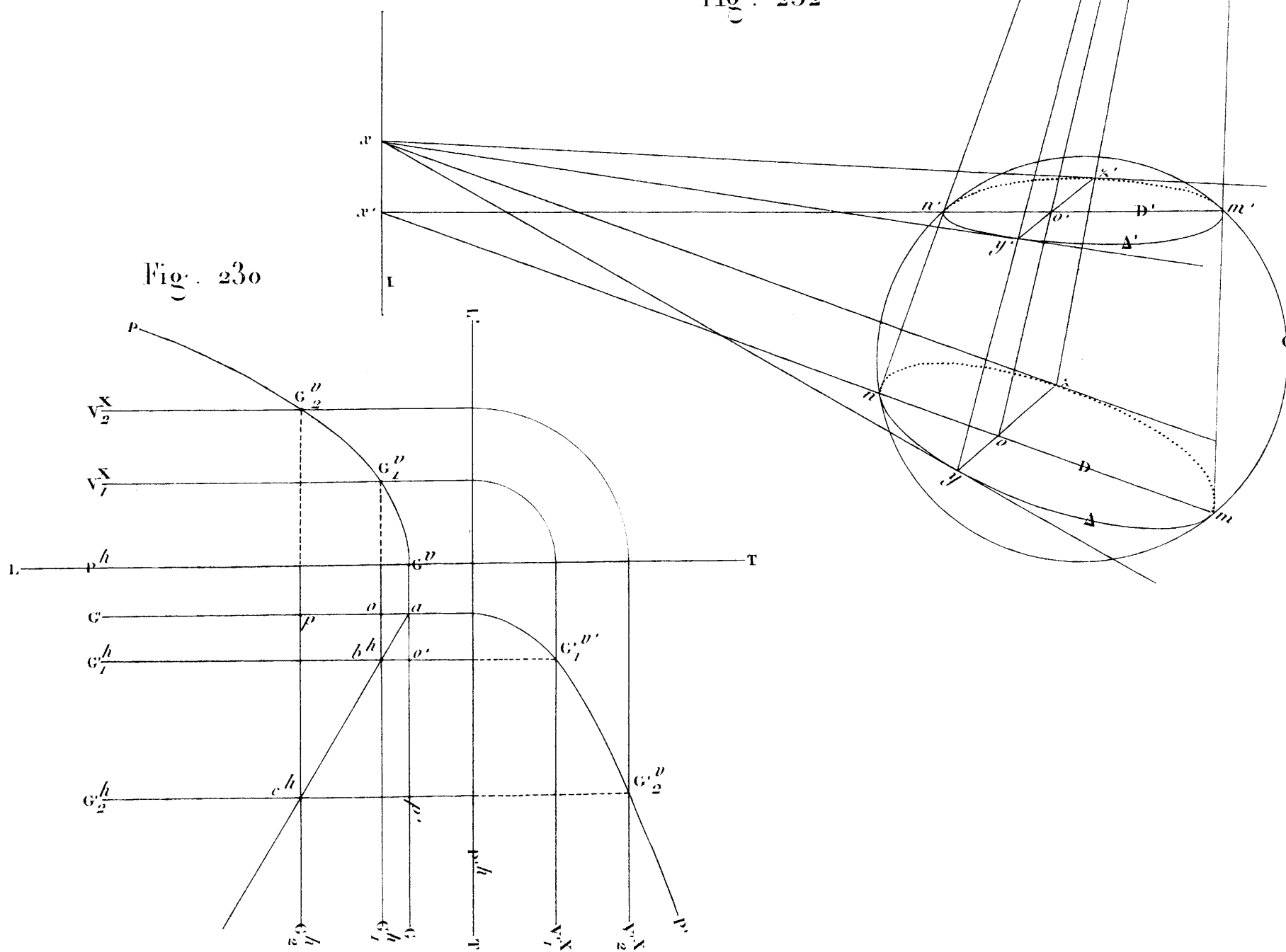


Fig. 230

17



Fig. 234



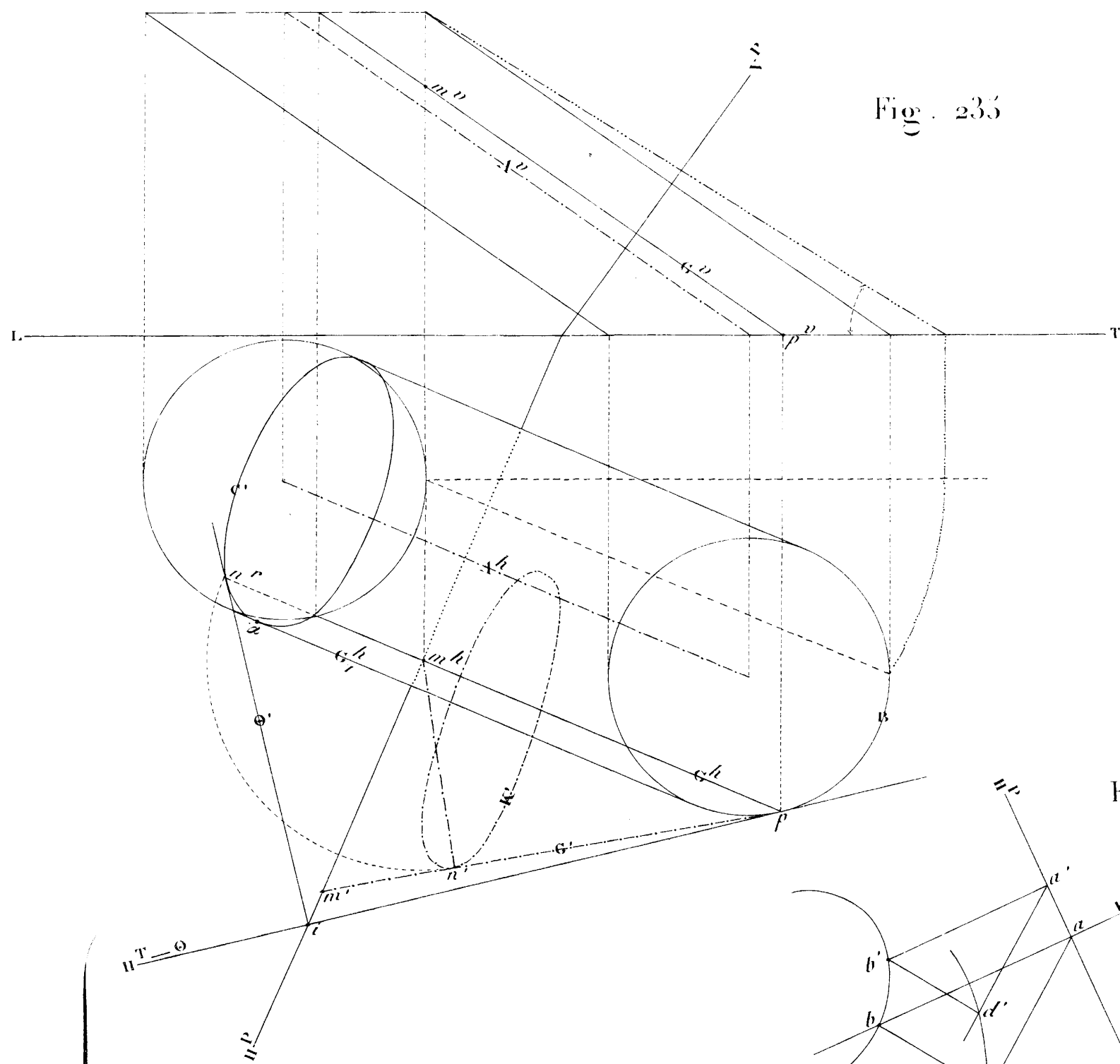


Fig. 235

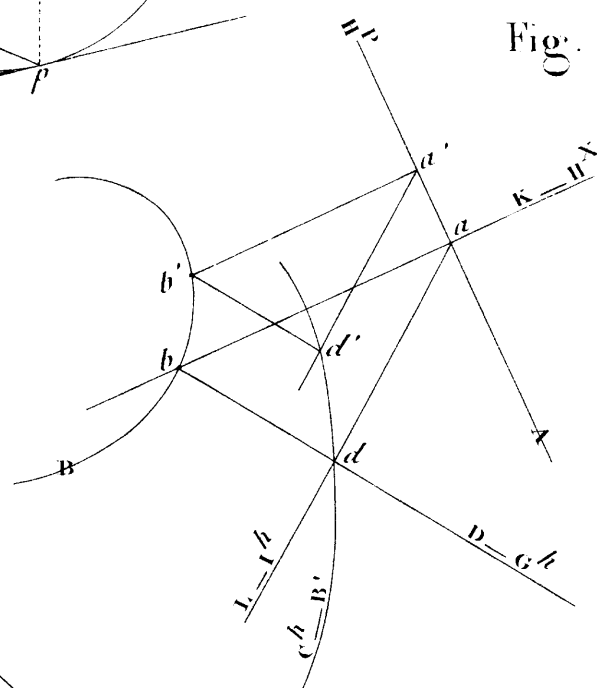


Fig. 235 bis

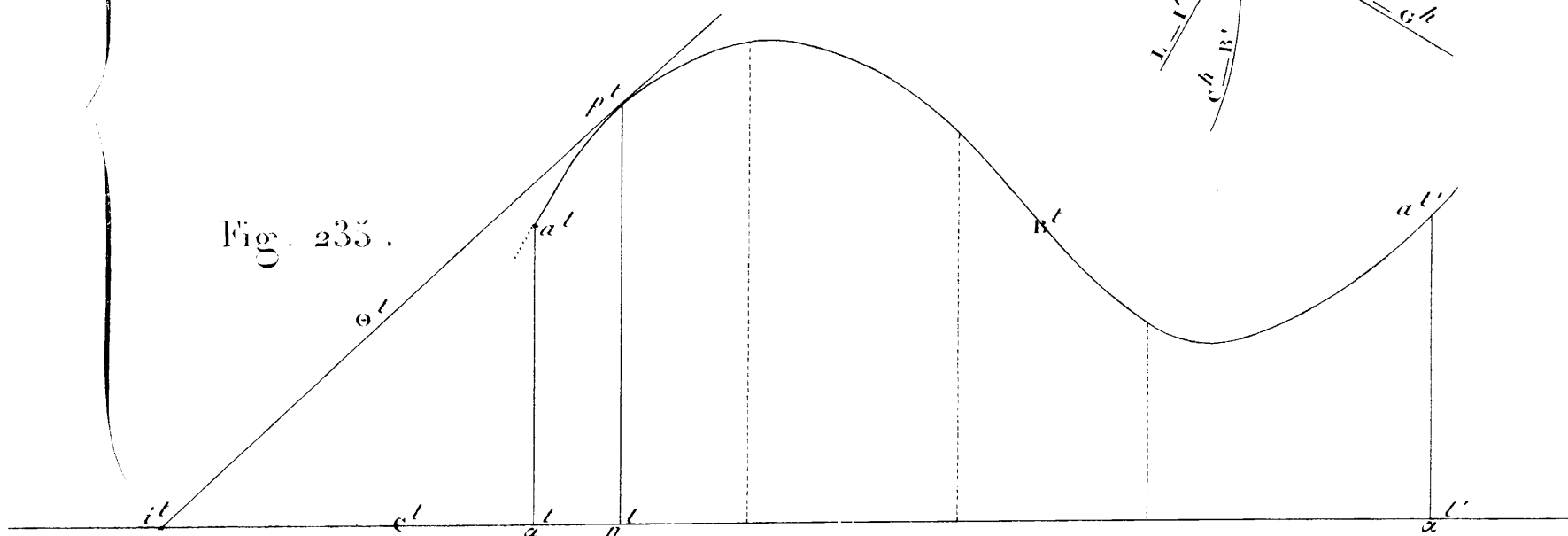


Fig. 235.

manque

Fig. 238

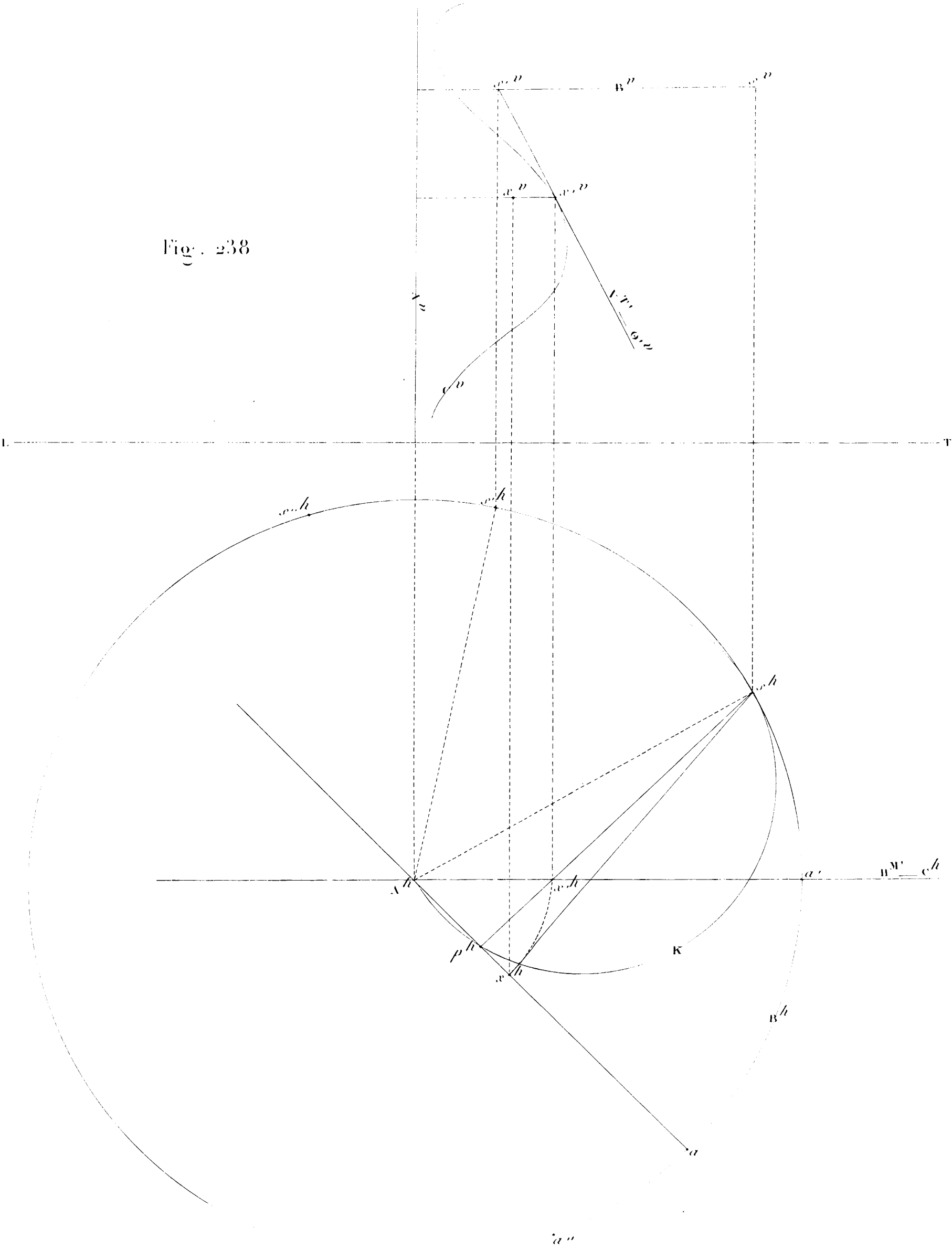


Fig. 239

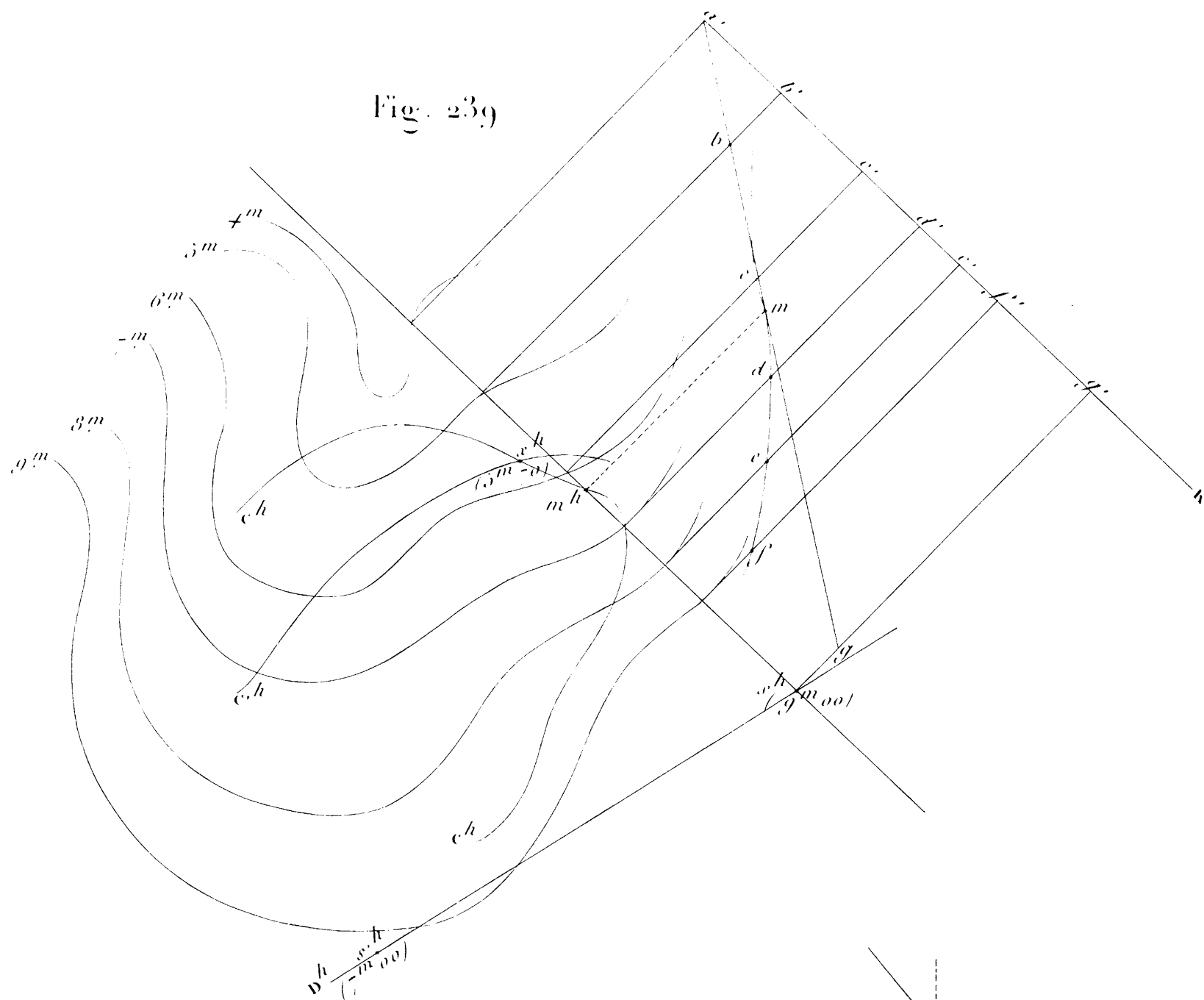


Fig. 240

Fig. 240 bis

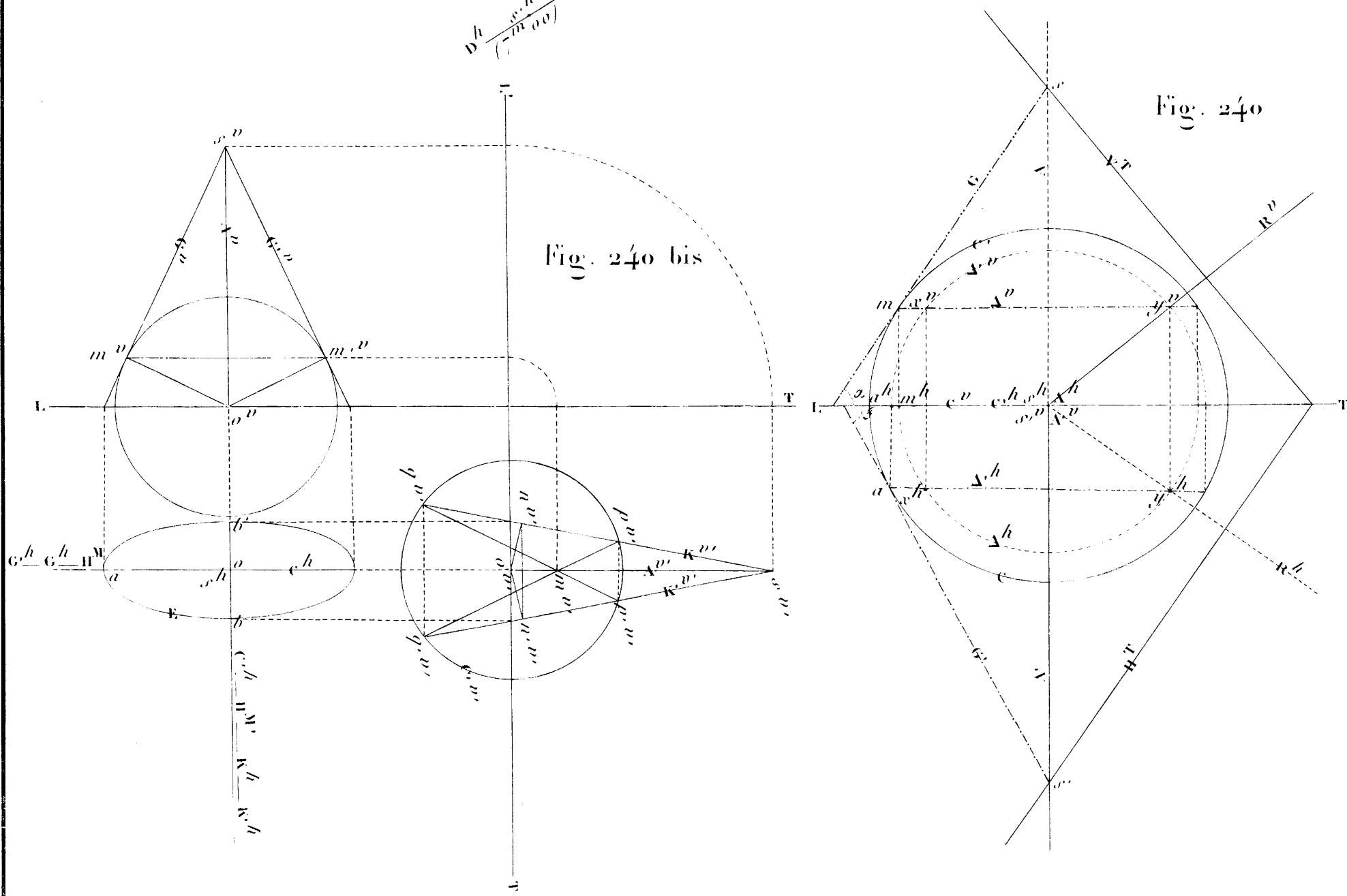


Fig. 241

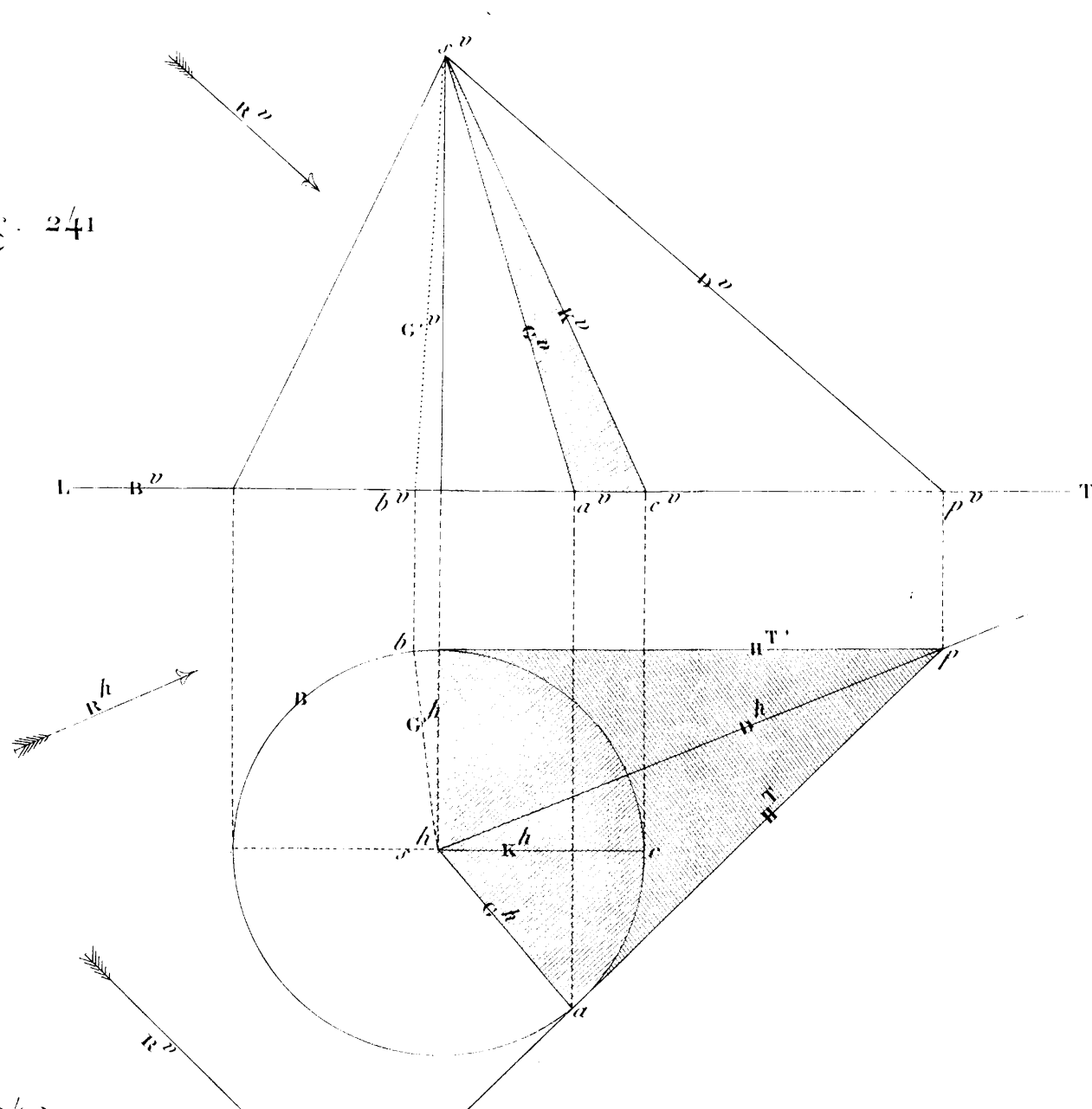
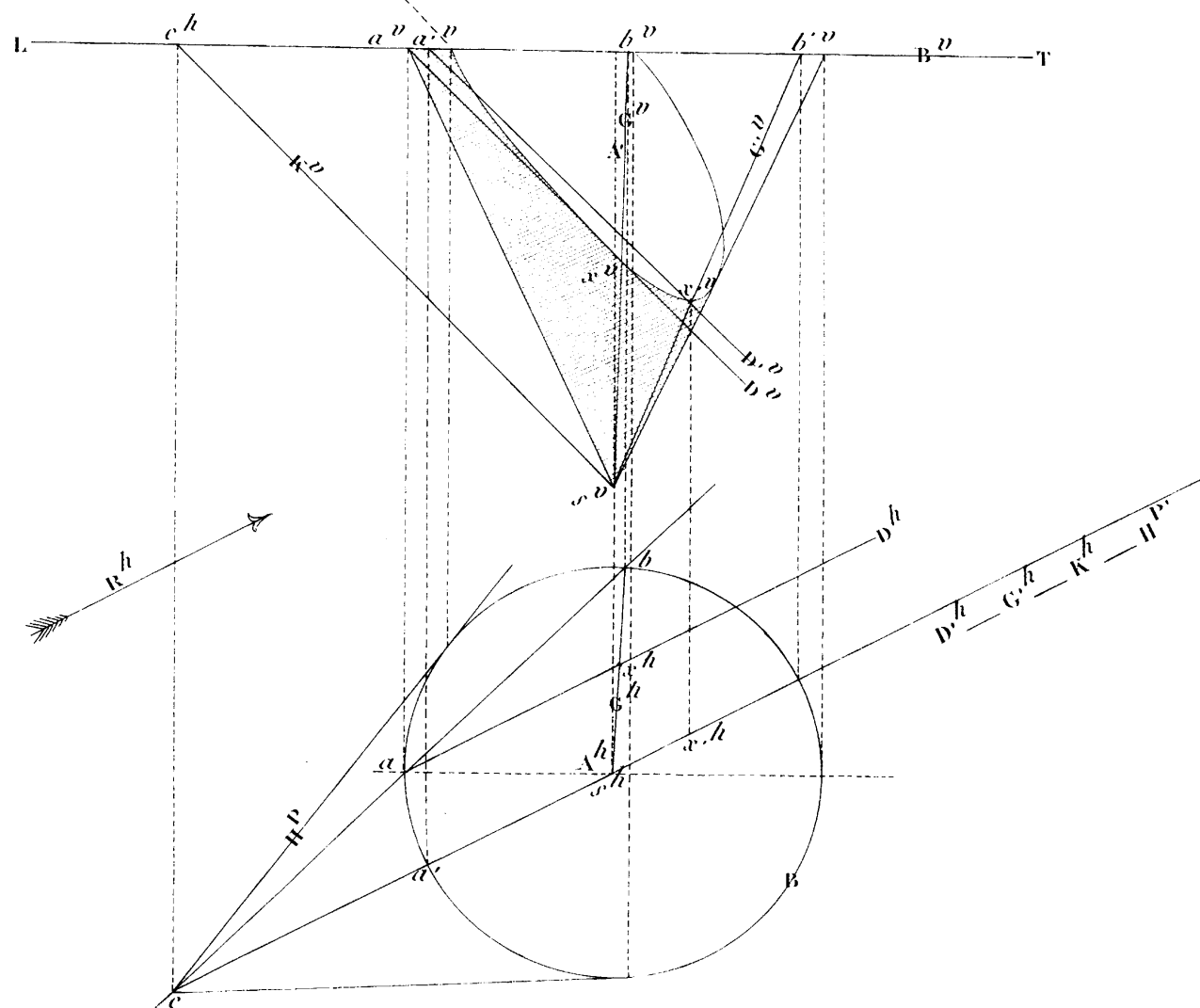


Fig. 242



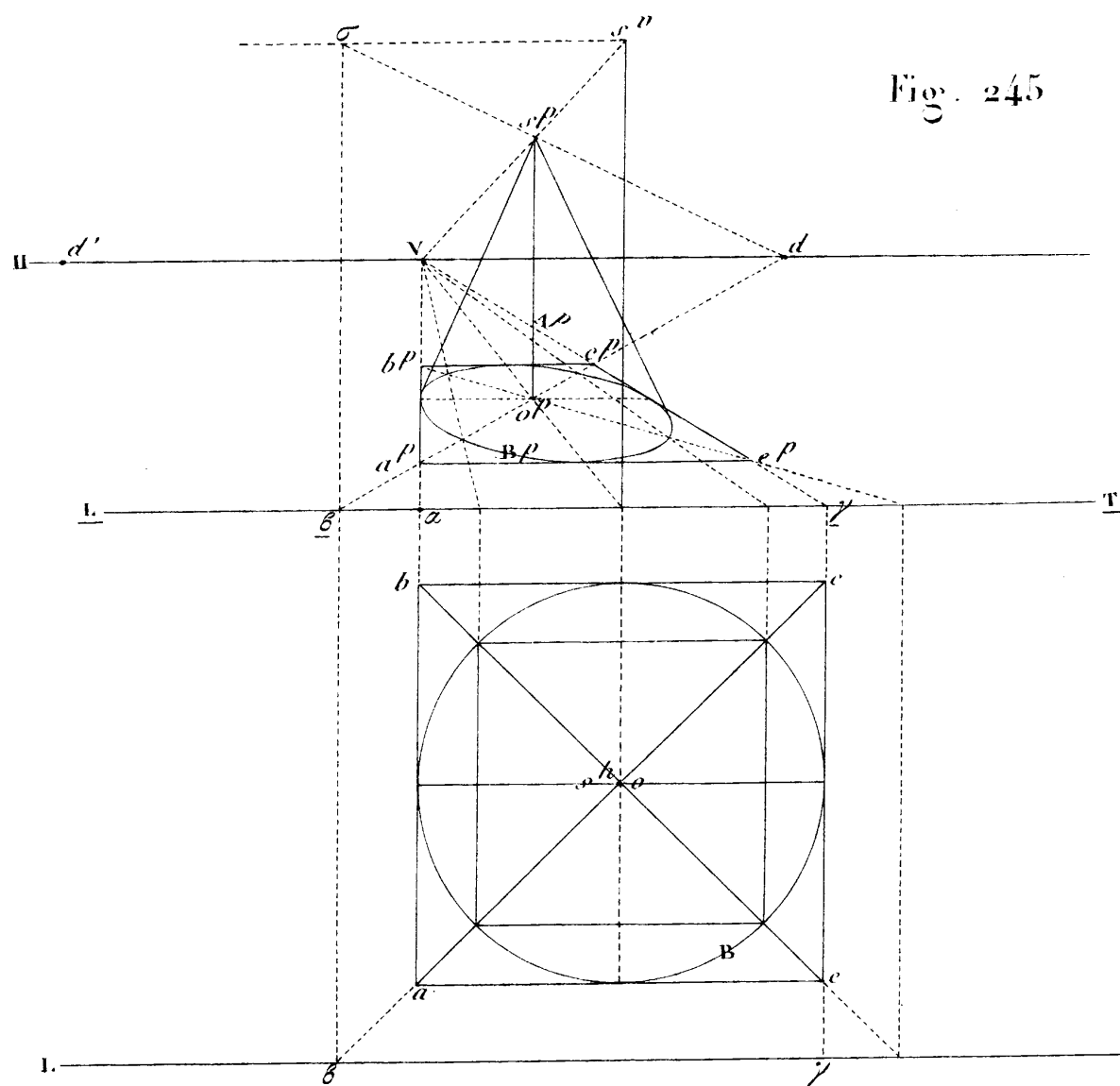
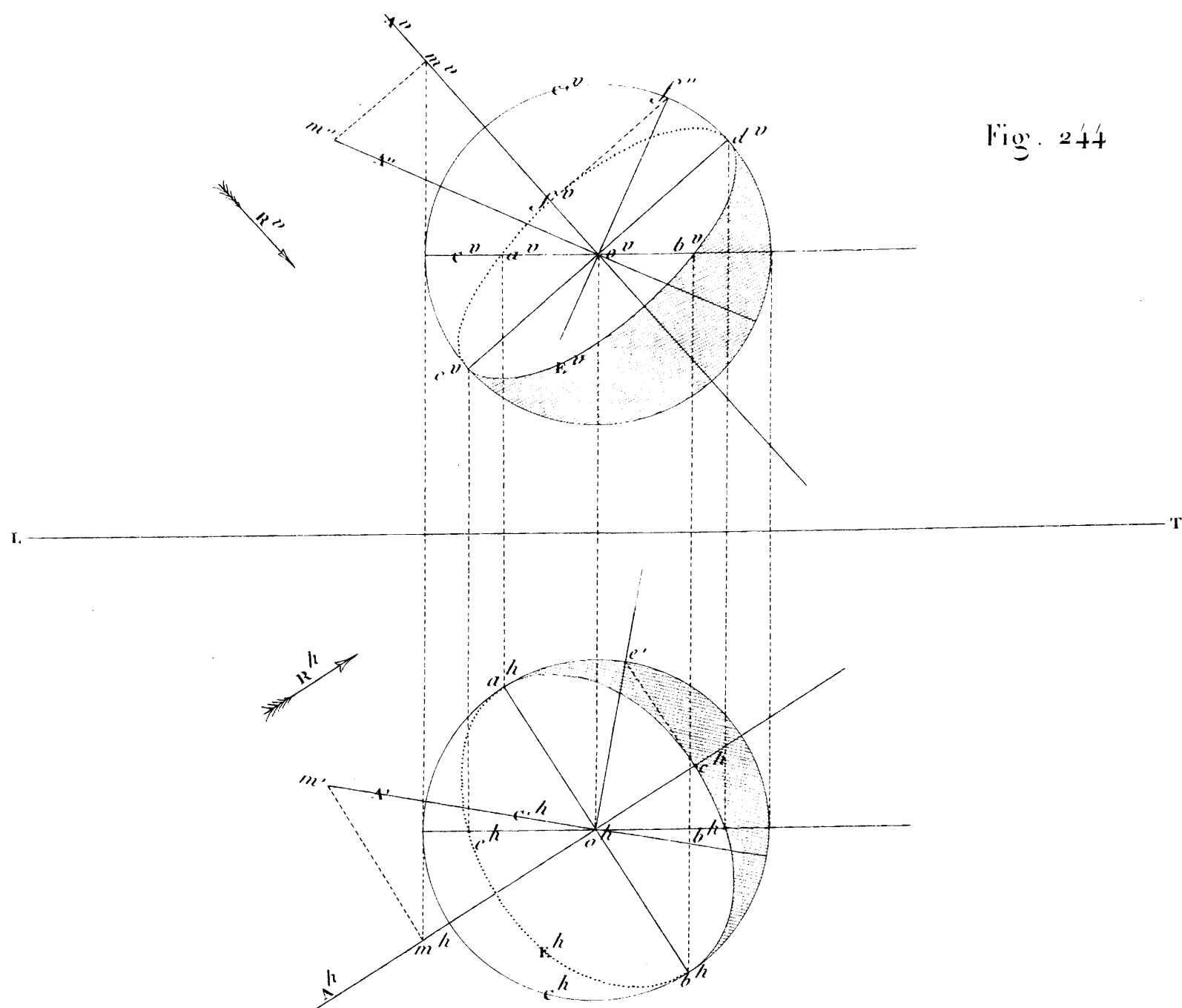


Fig. 246

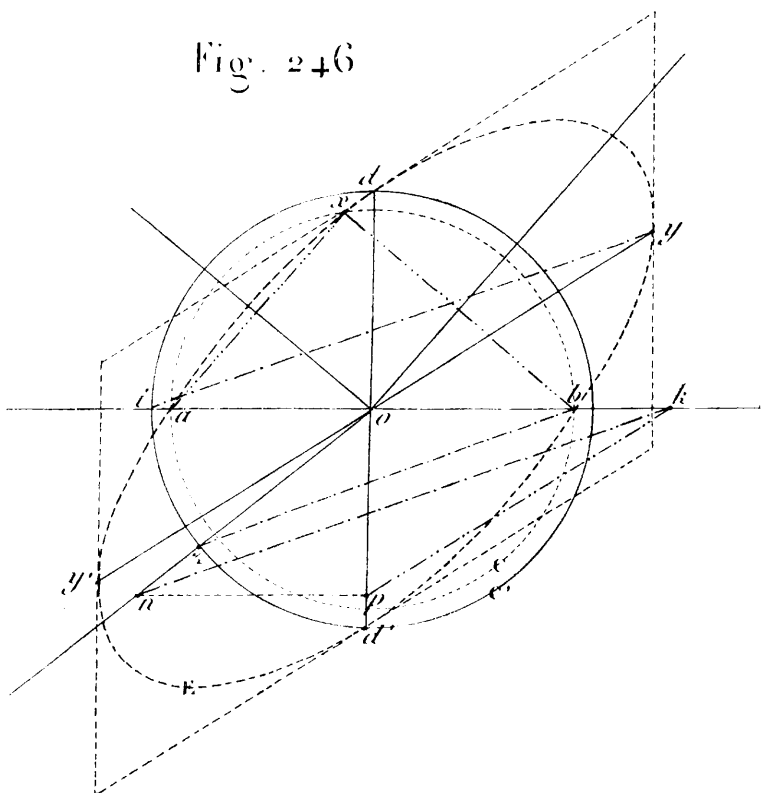


Fig. 247

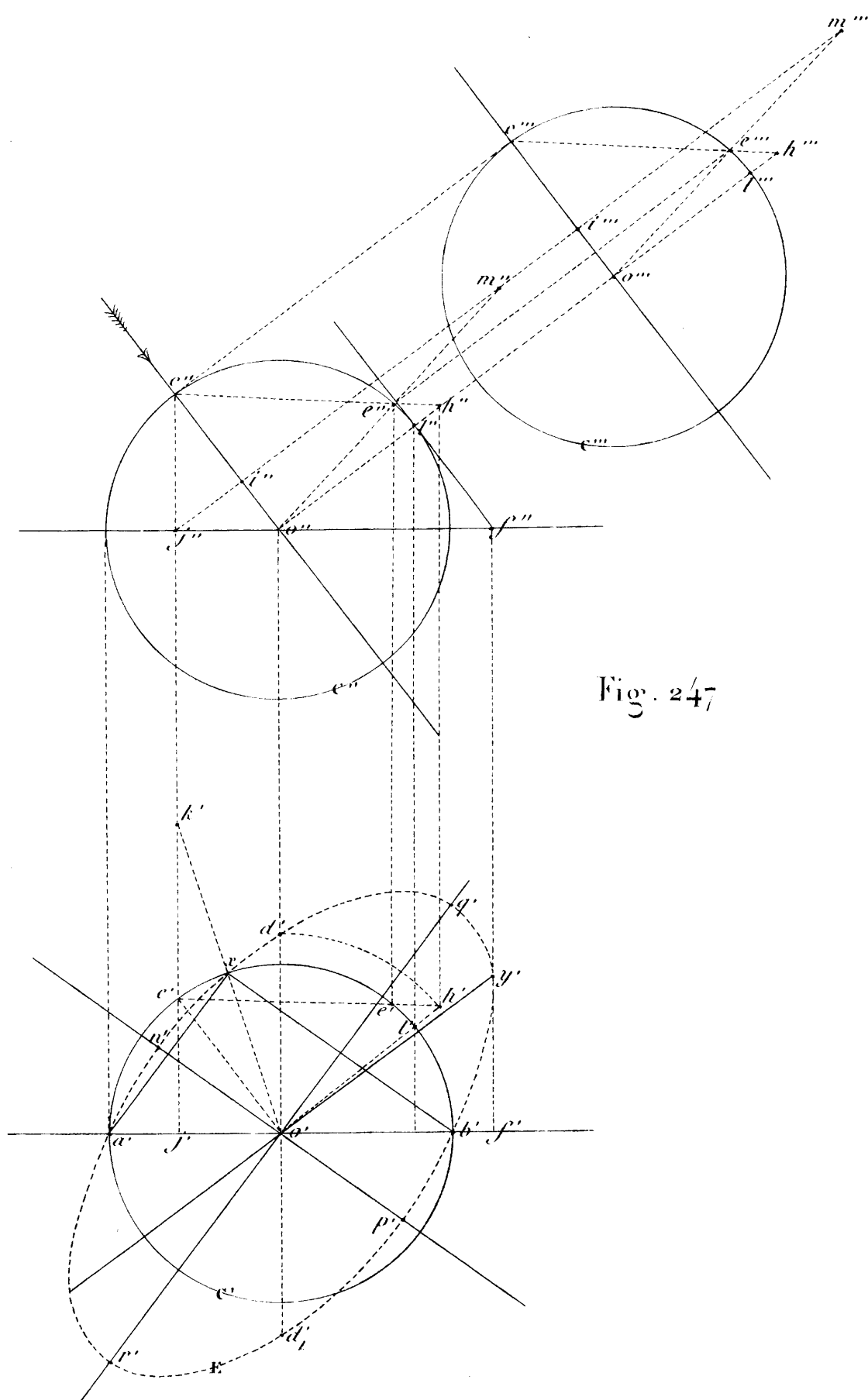


Fig. 248

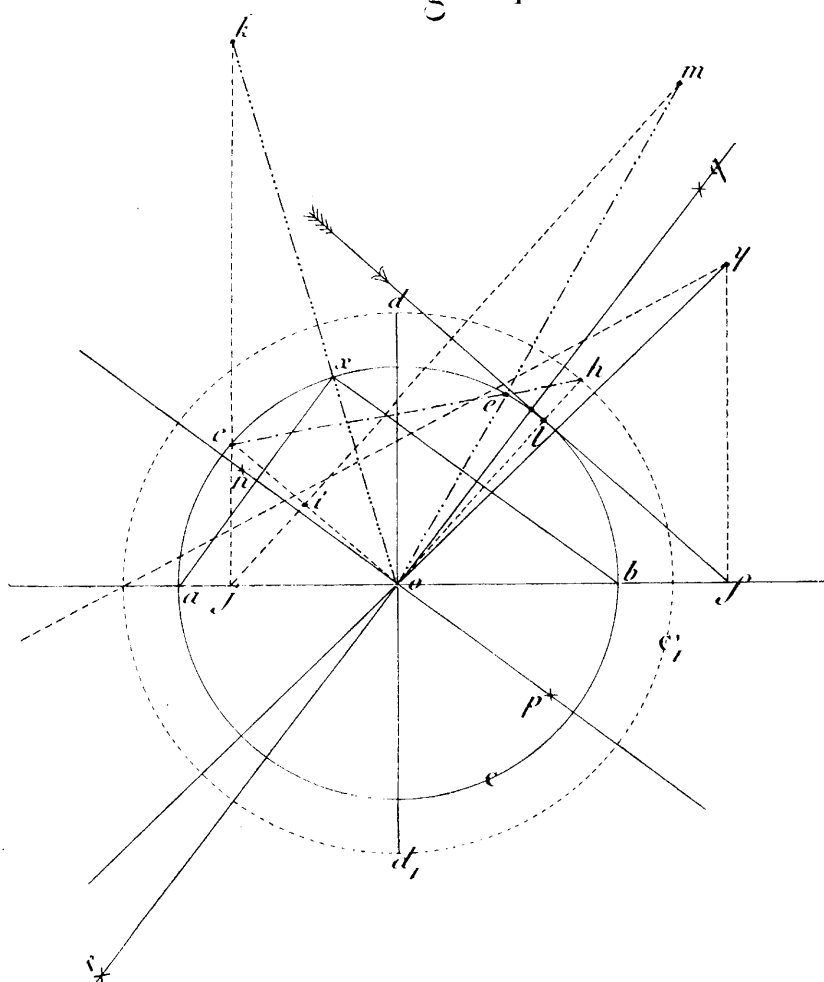


Fig. 249

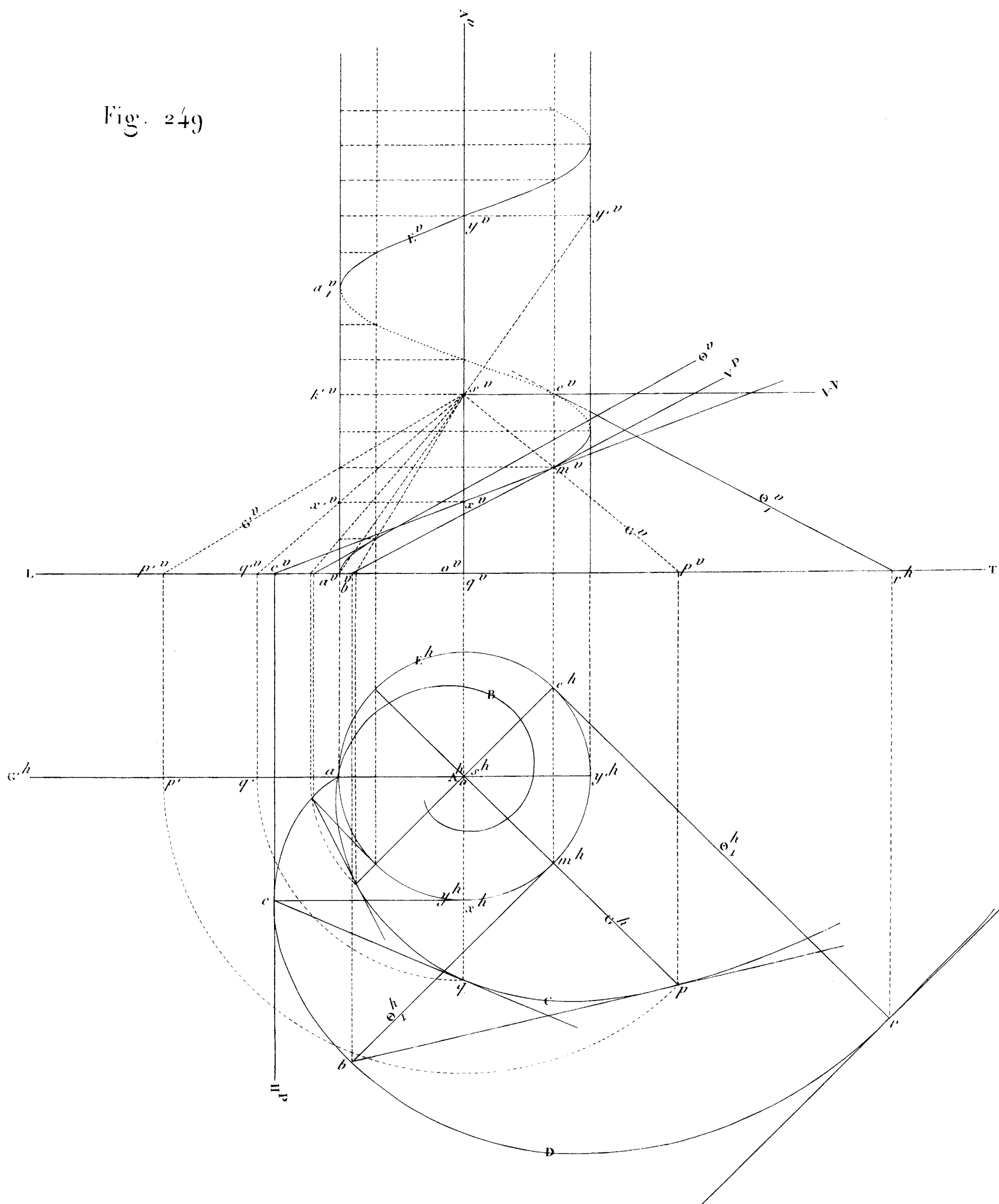


Fig. 251

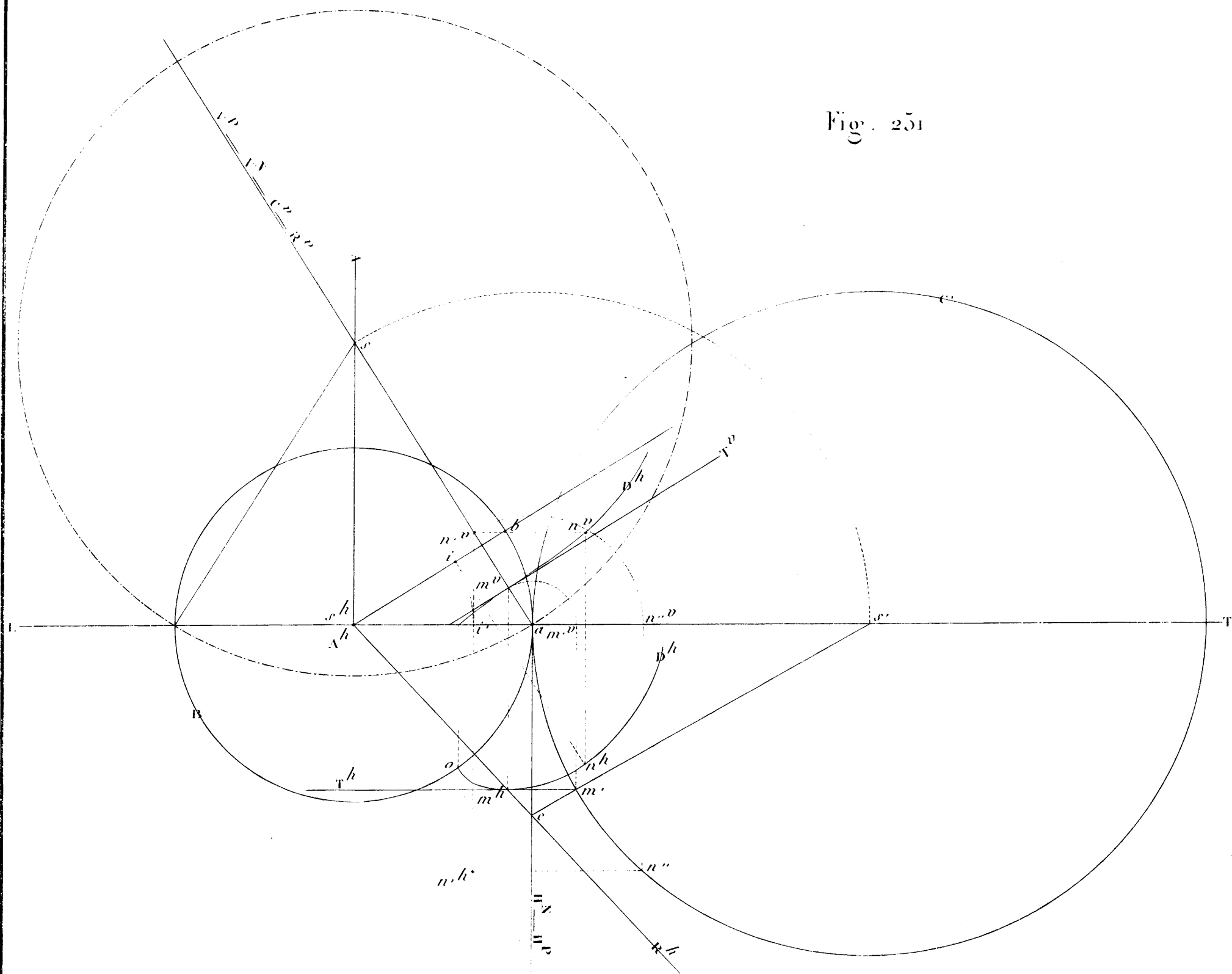


Fig. 250

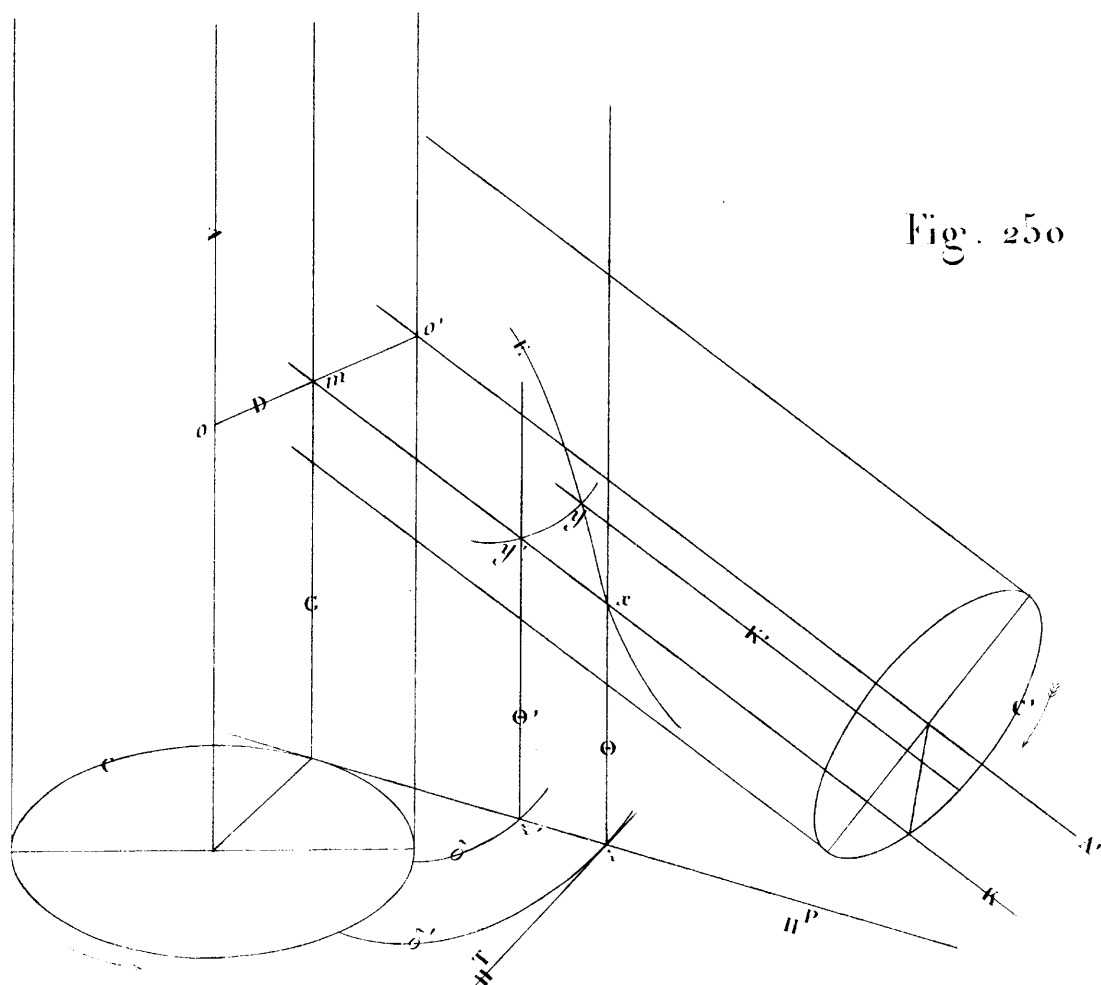


Fig. 252

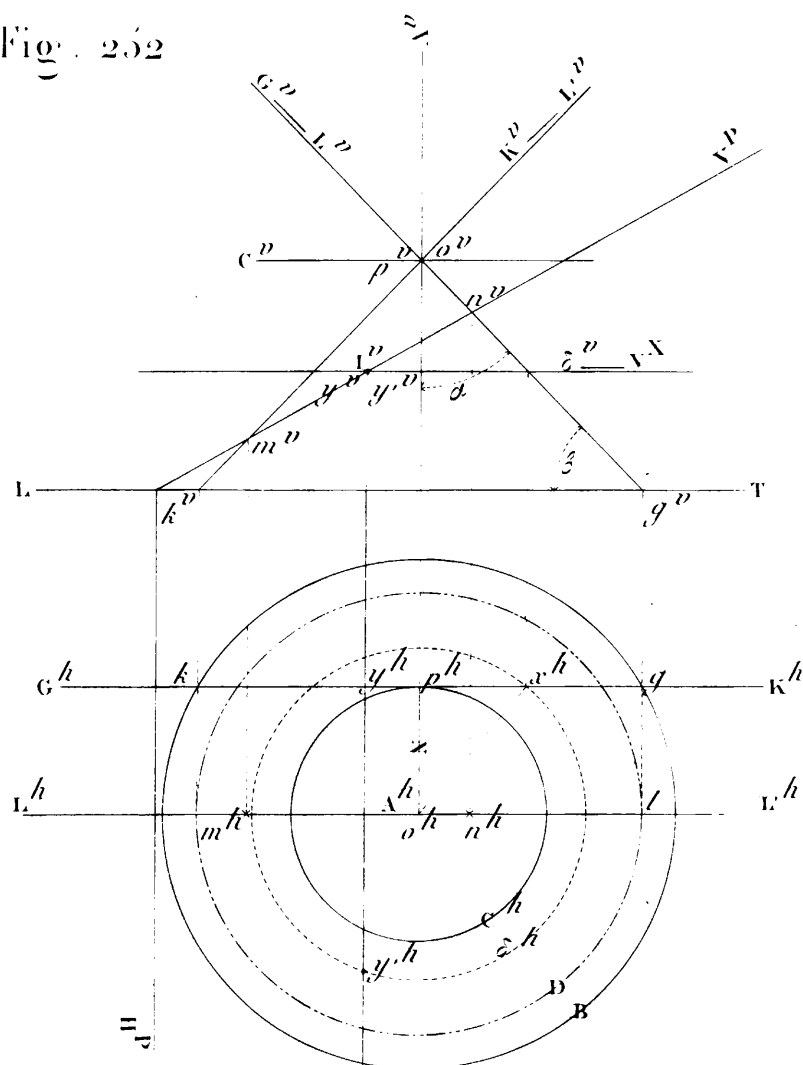


Fig. 253

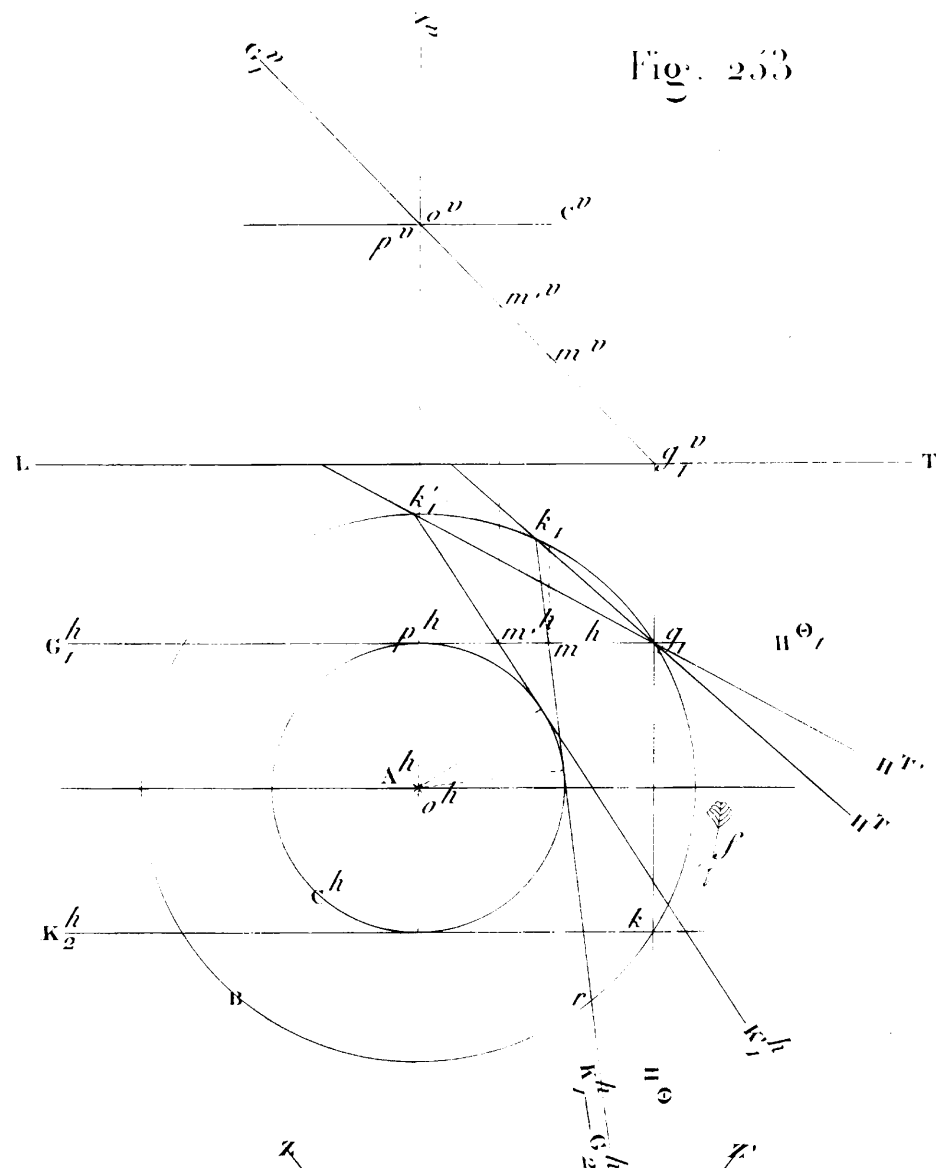


Fig. 254

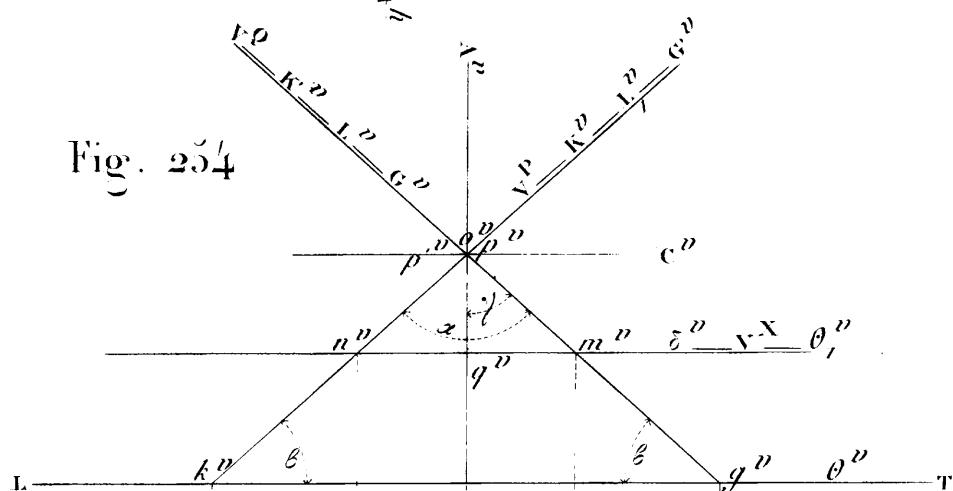


Fig. 225 *

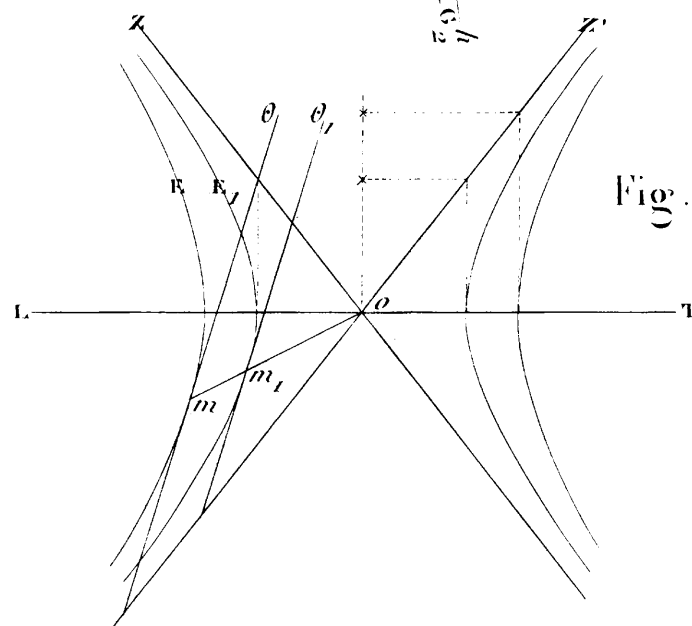


Fig. 226 *

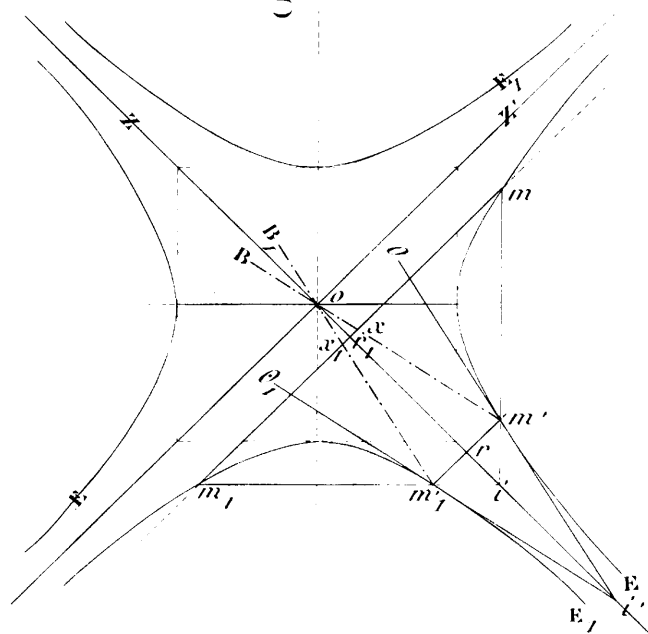
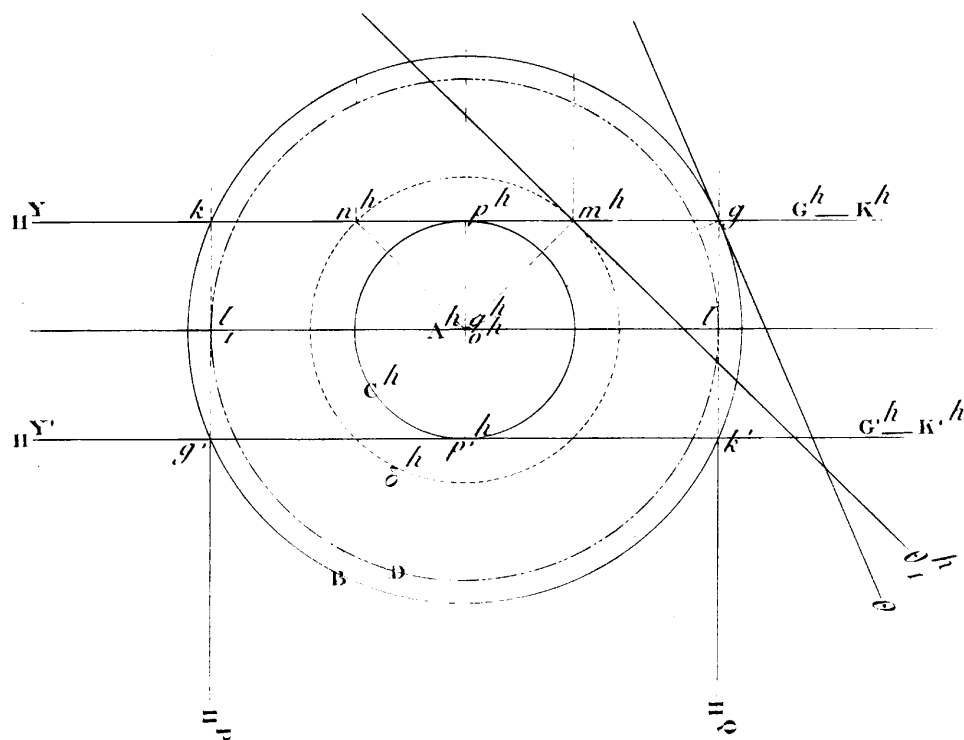


Fig. 227 *

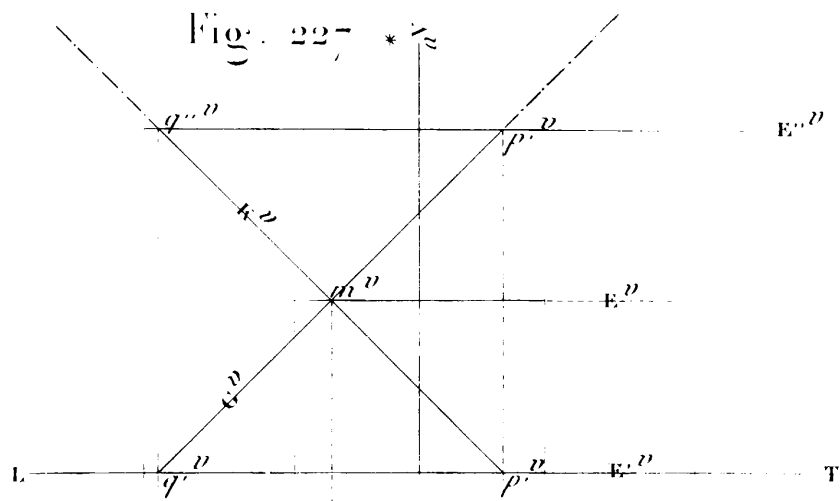


Fig. 228

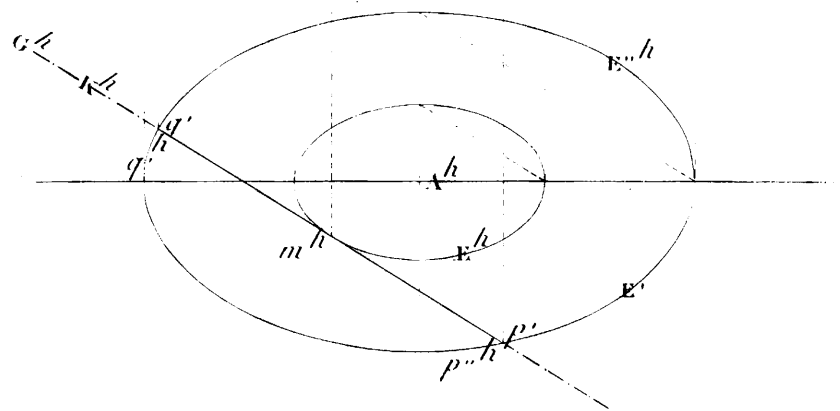
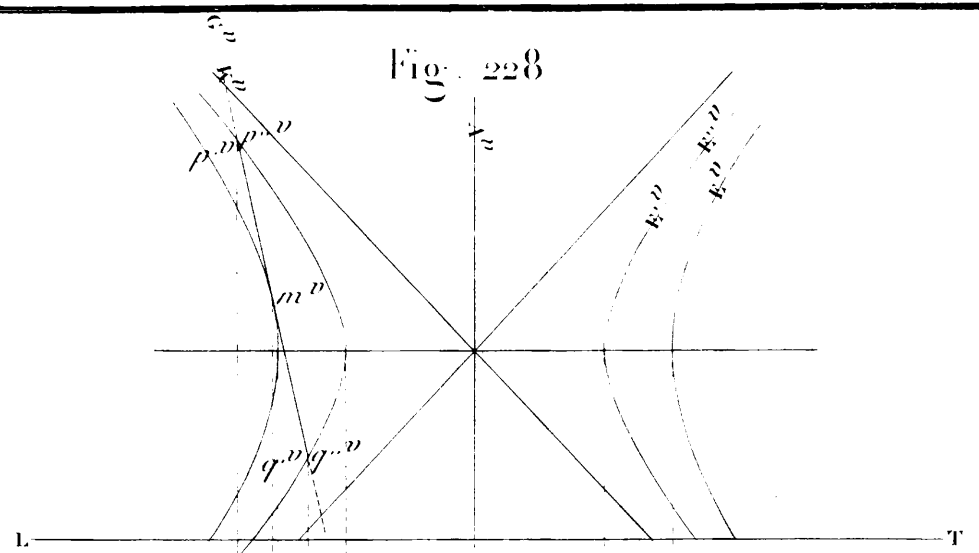


Fig. 229

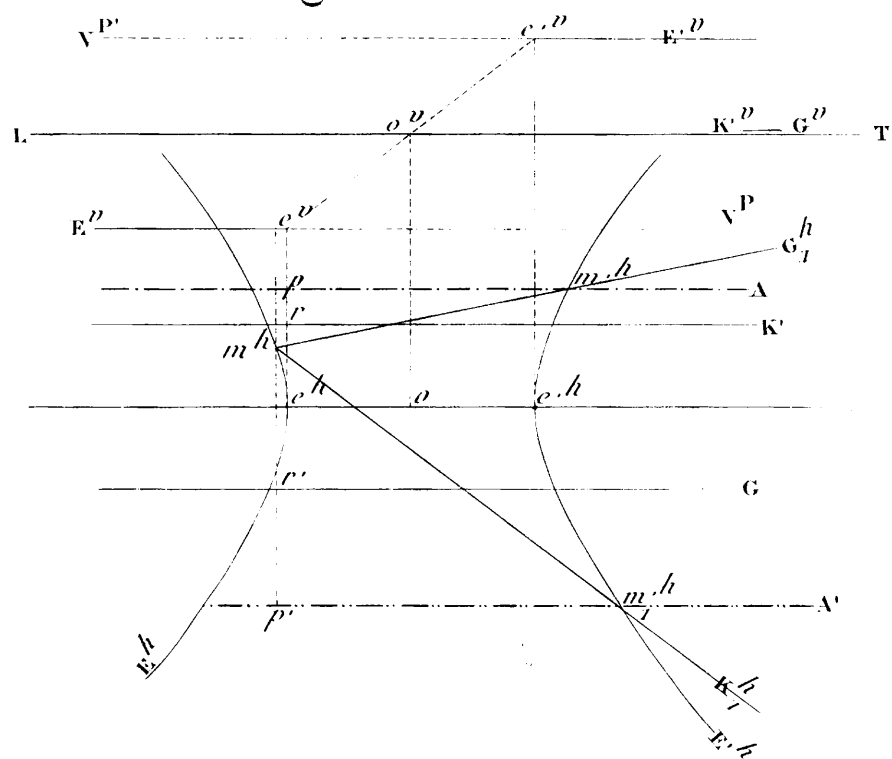


Fig. 230

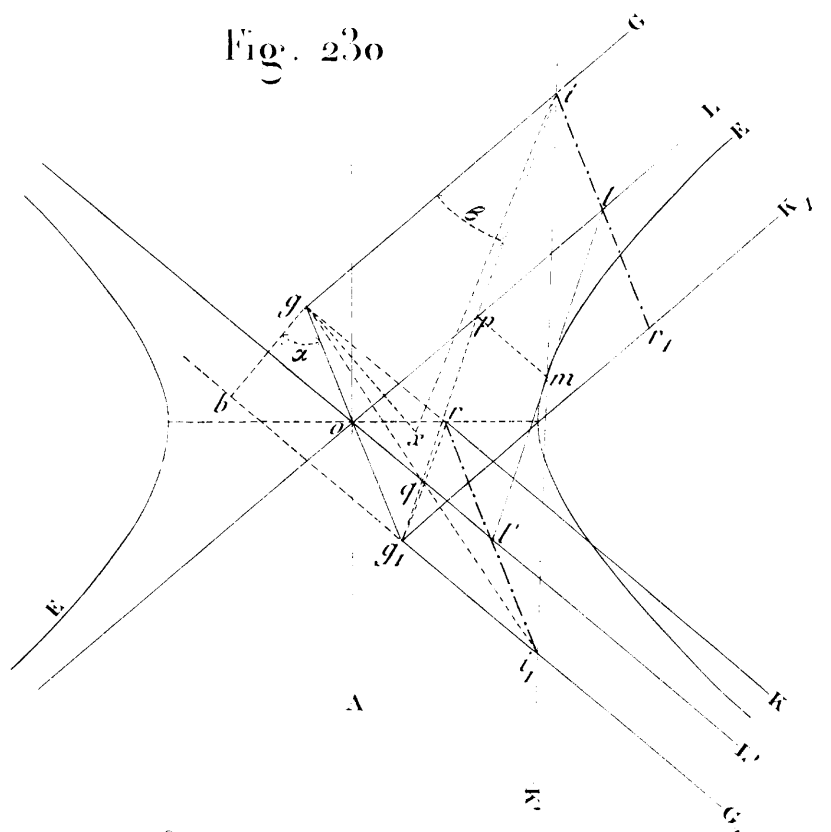


Fig. 231 *

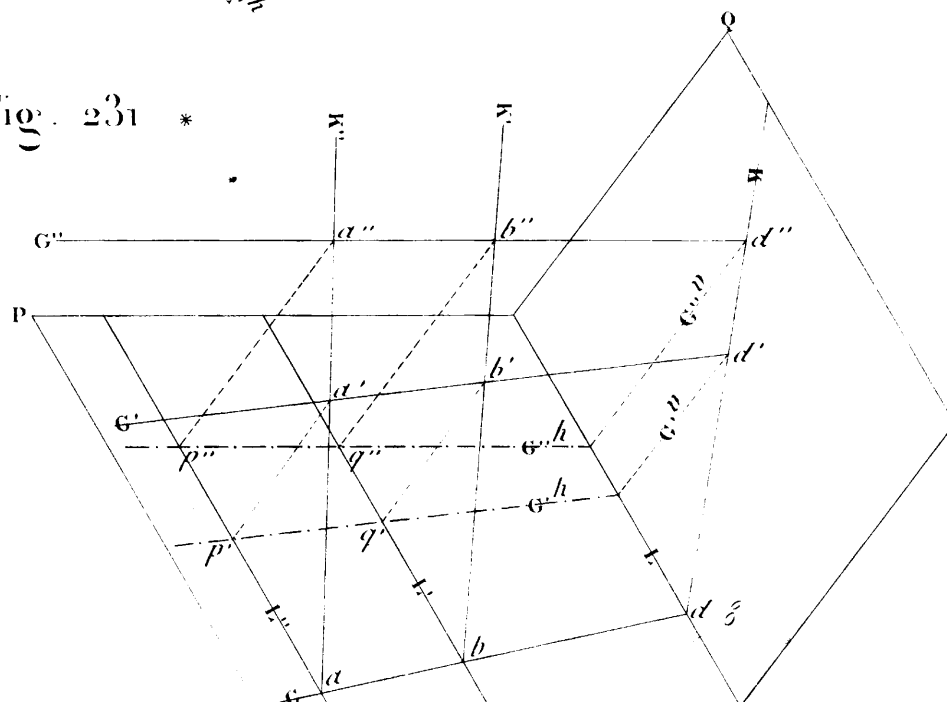


Fig. 232

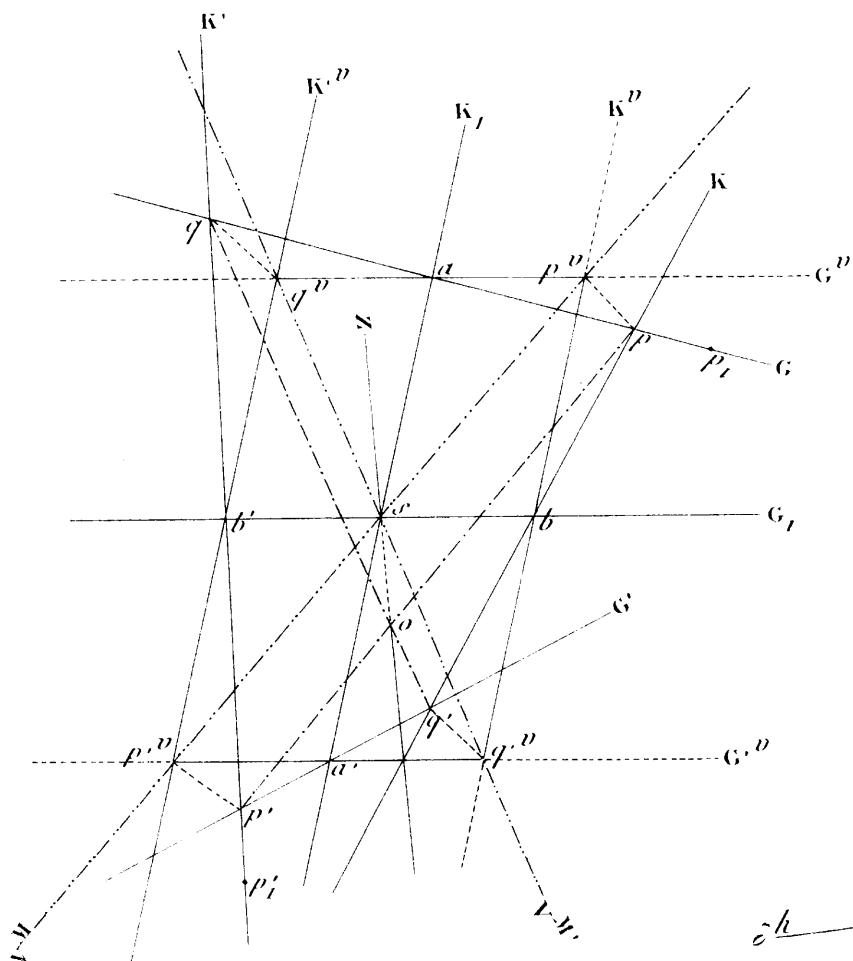


Fig. 233

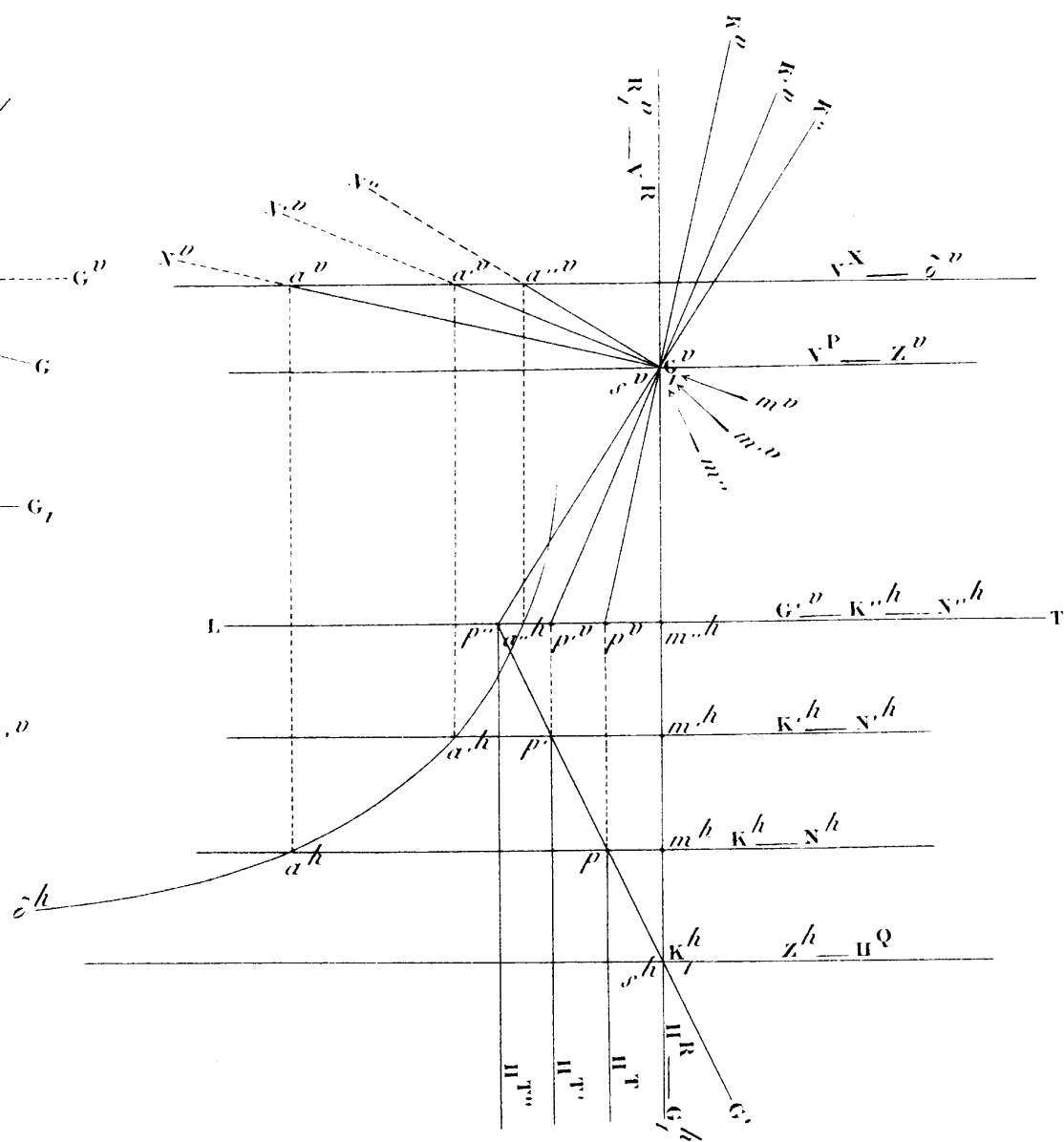


Fig. 234

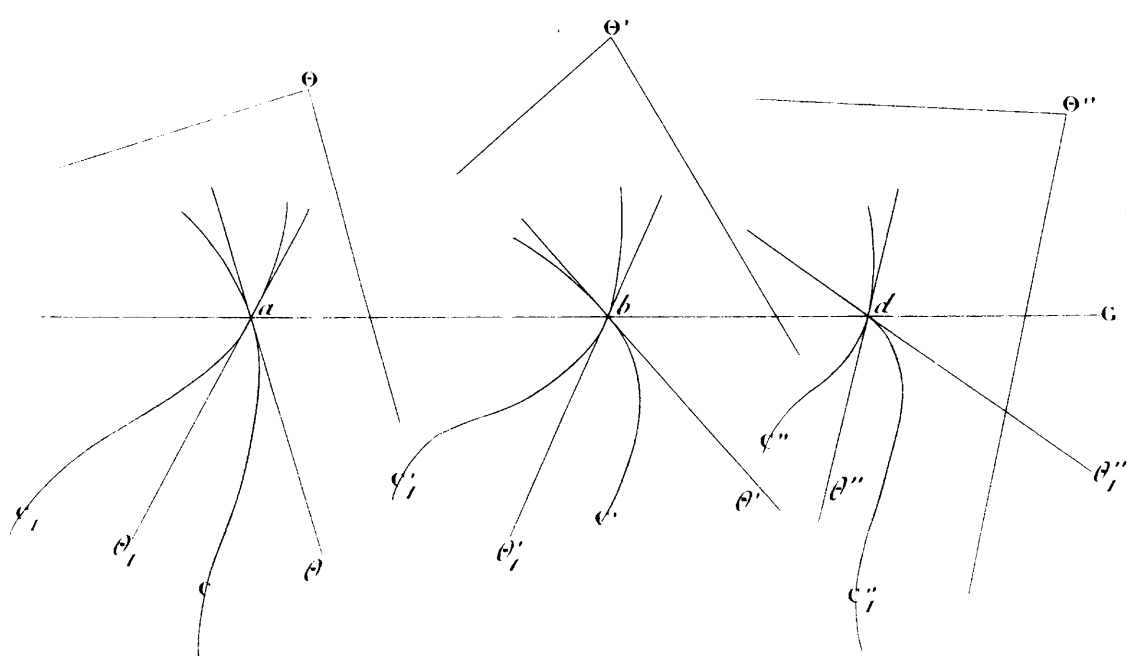


Fig. 235

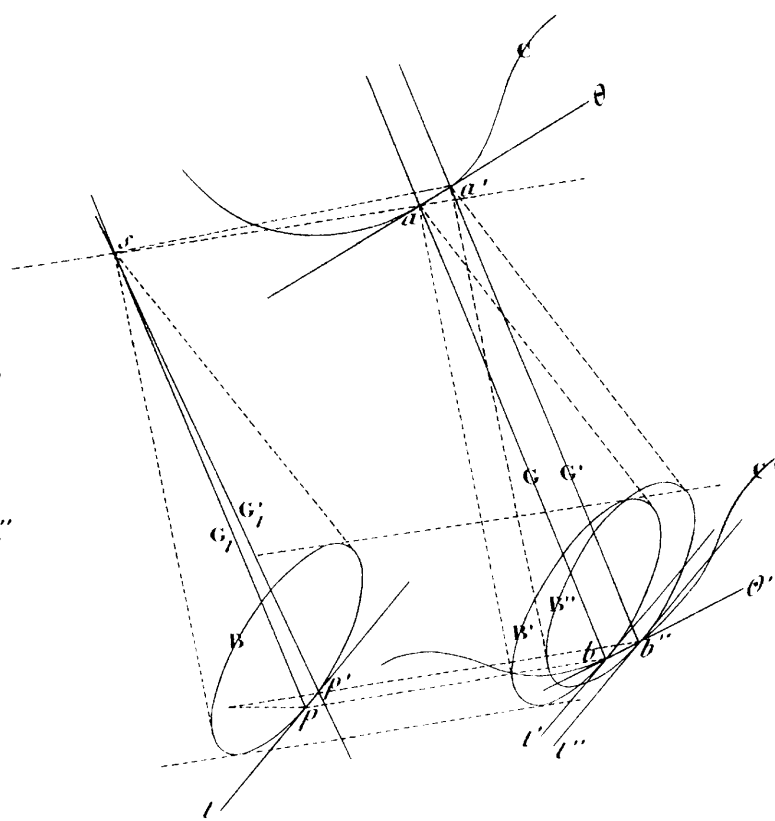


Fig. 240

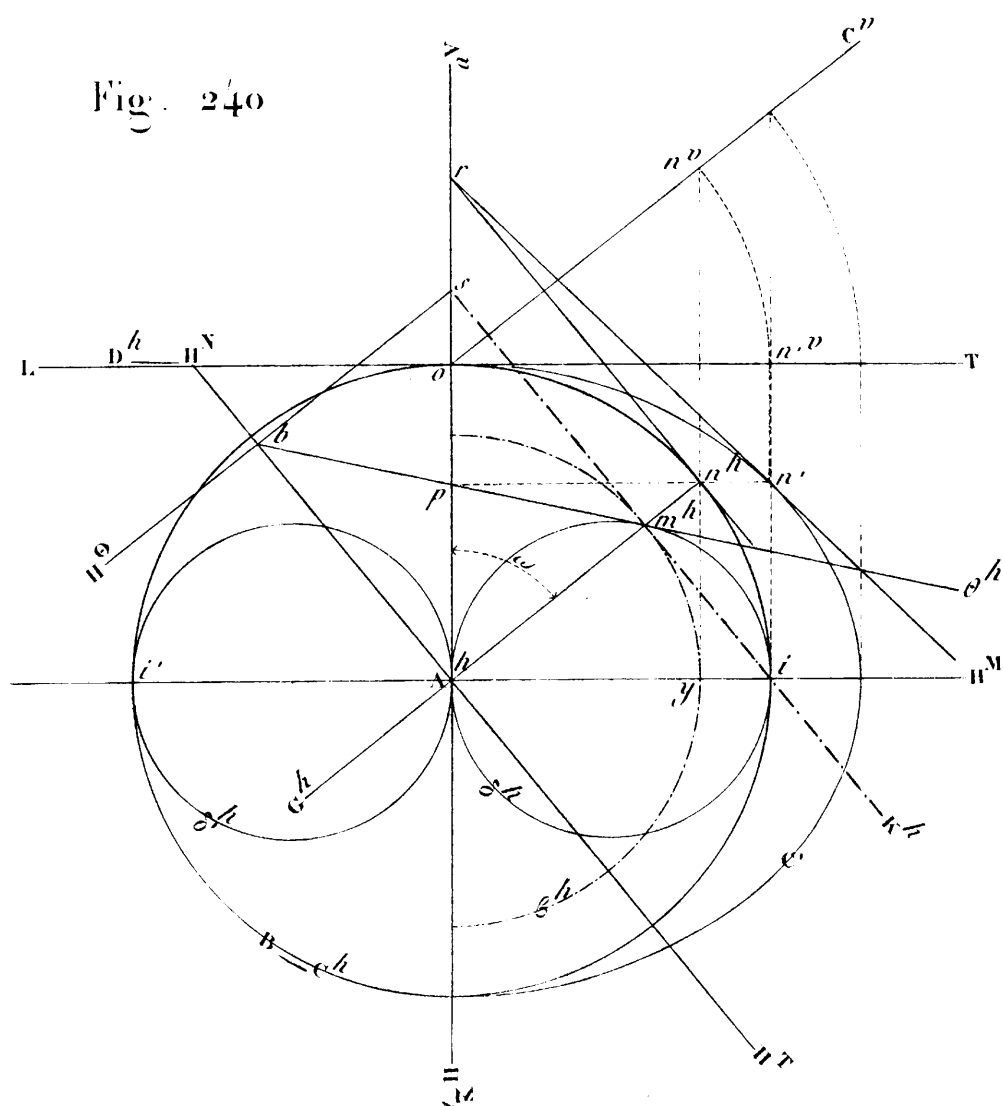


Fig. 241

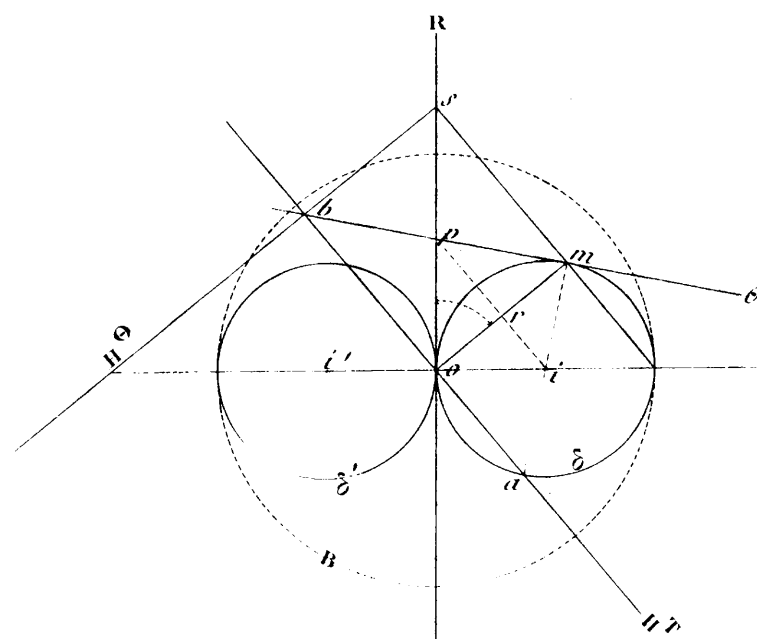


Fig. 242

Fig. 241 * (bis)

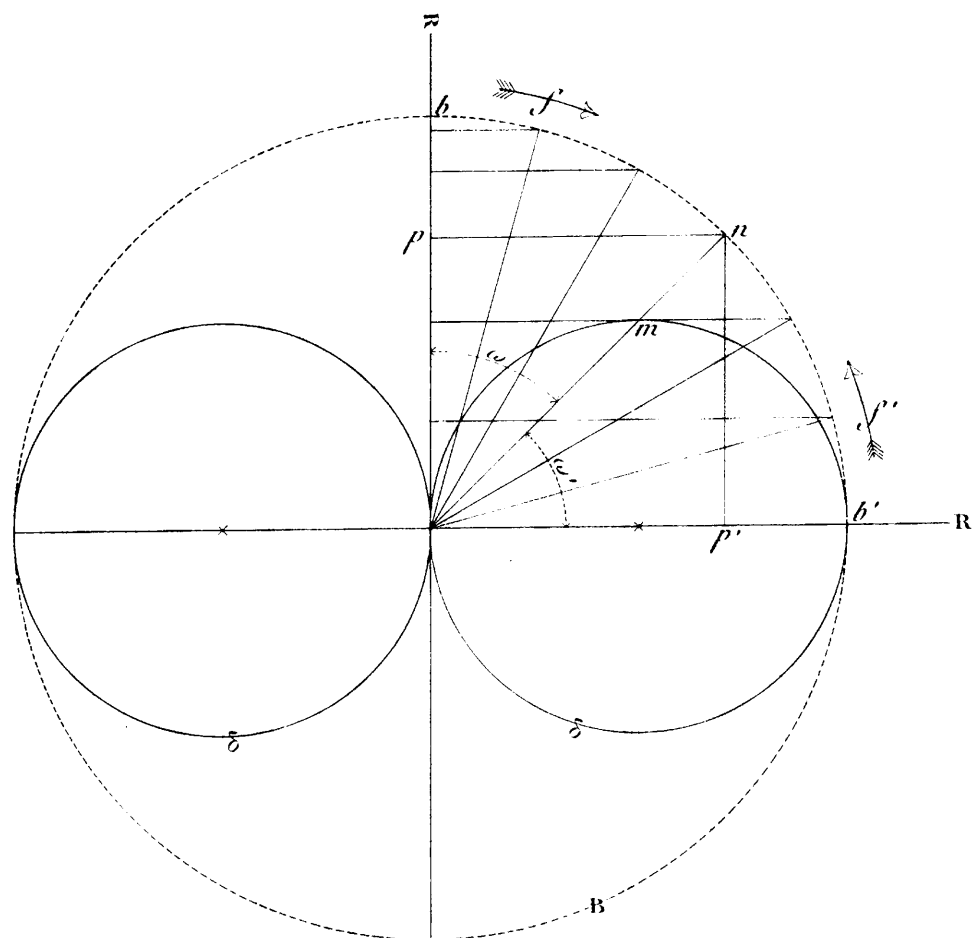
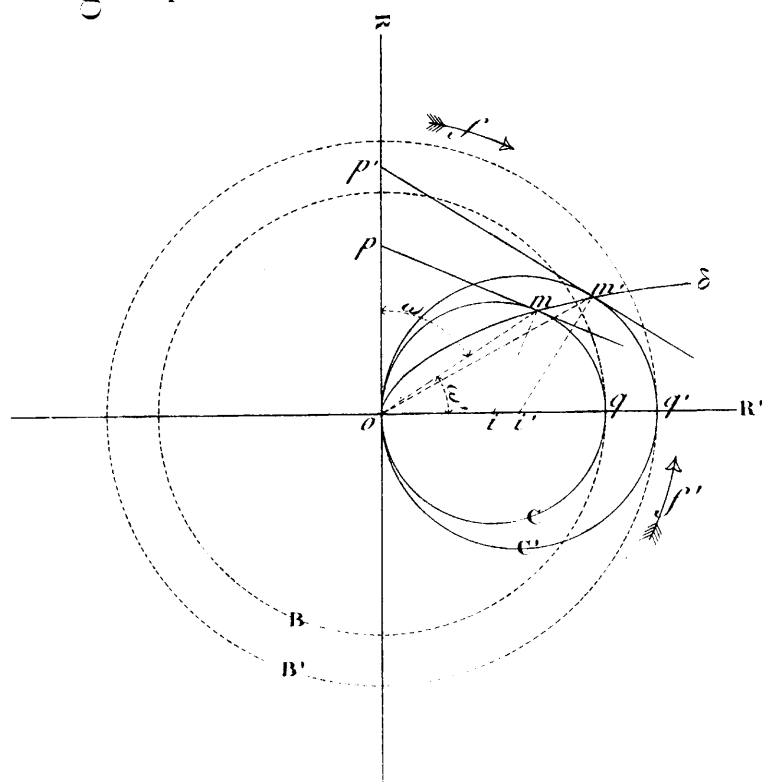


Fig. 243

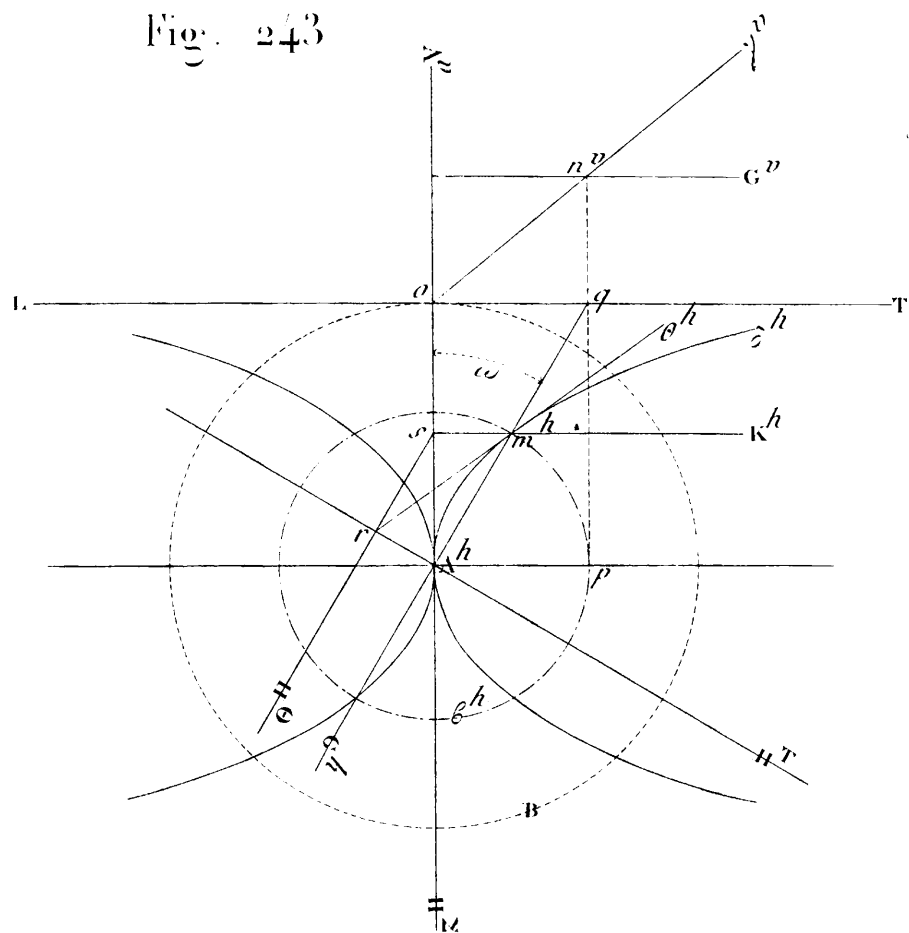


Fig. 244

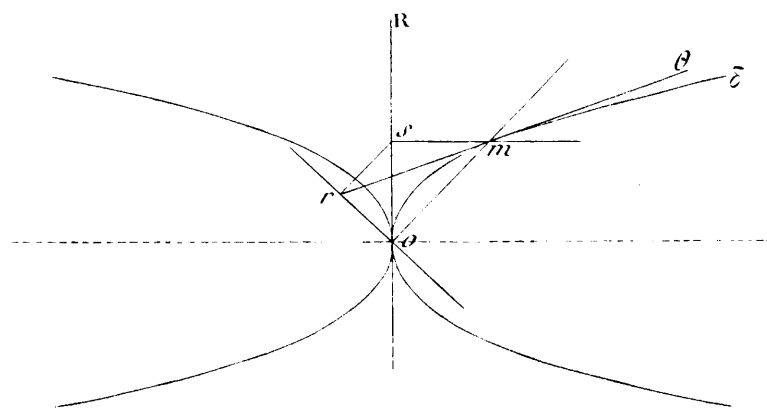


Fig. 245

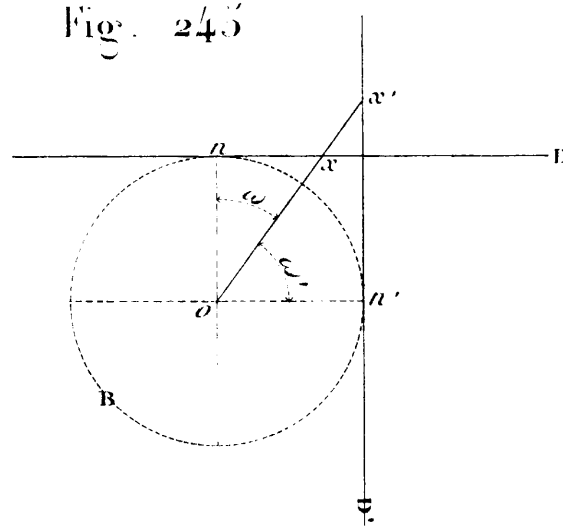


Fig. 246 *

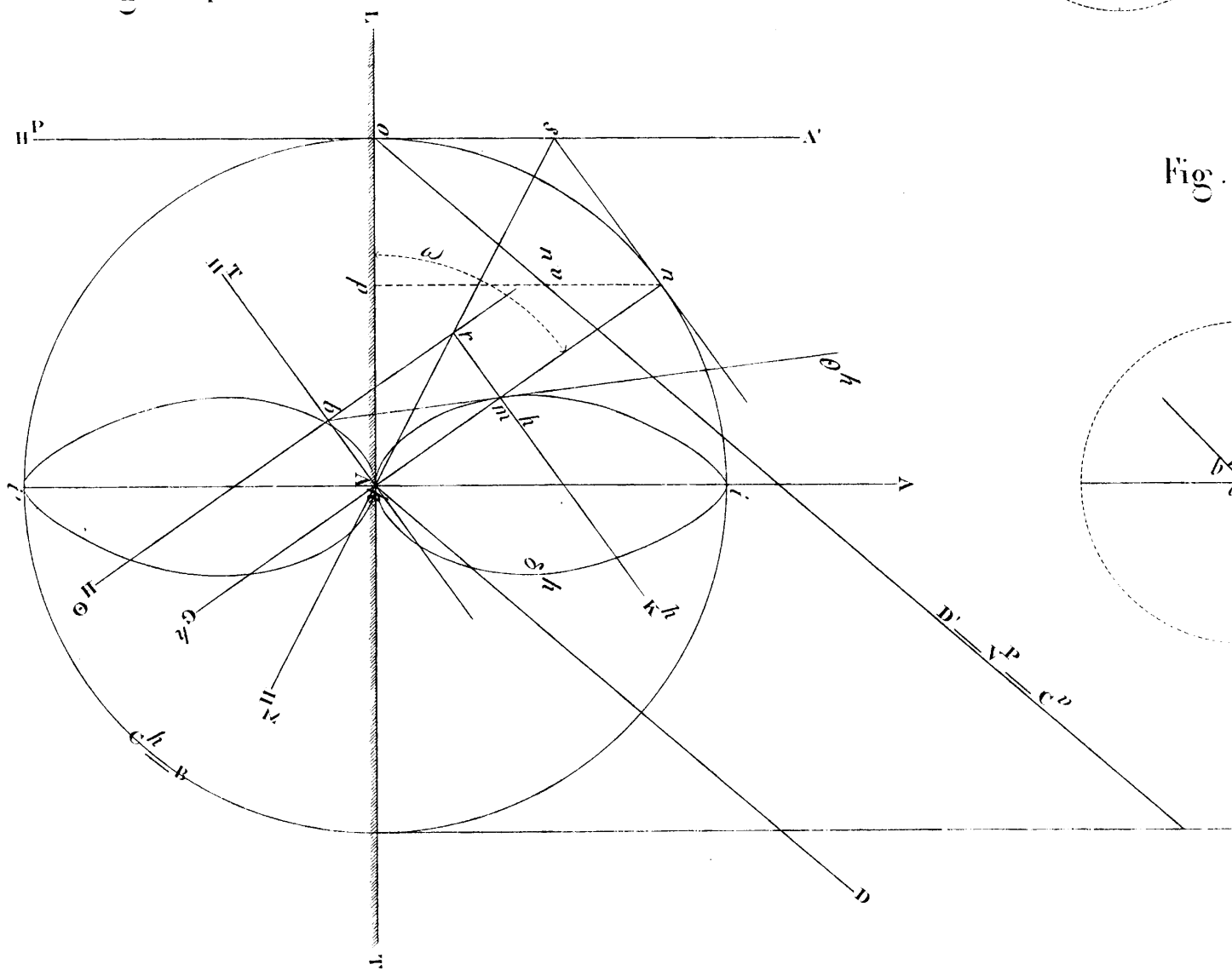


Fig. 247

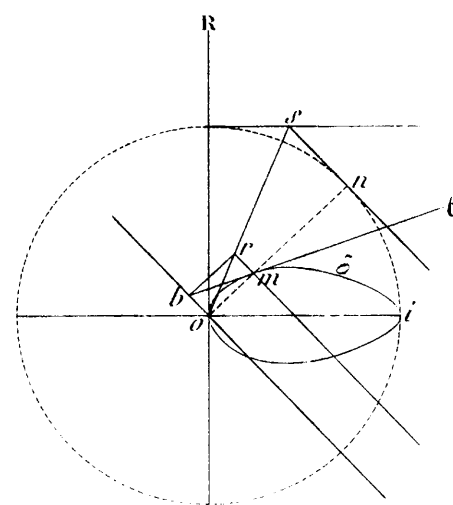


Fig. 247 bis

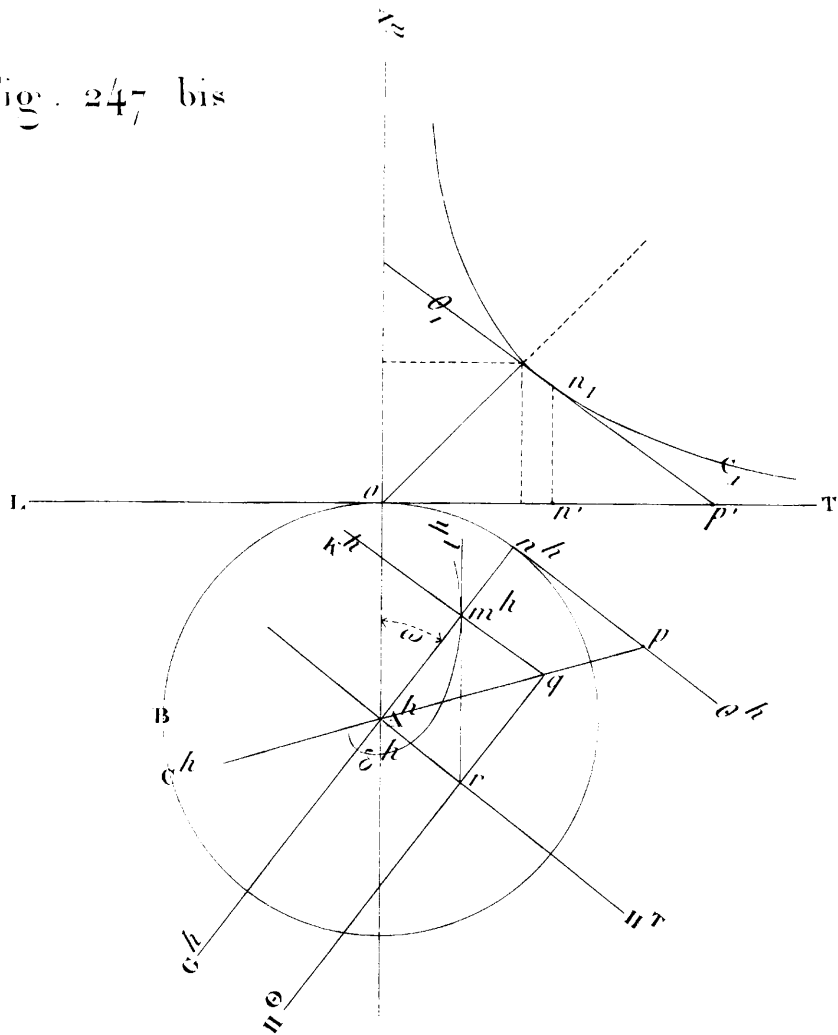


Fig. 248.

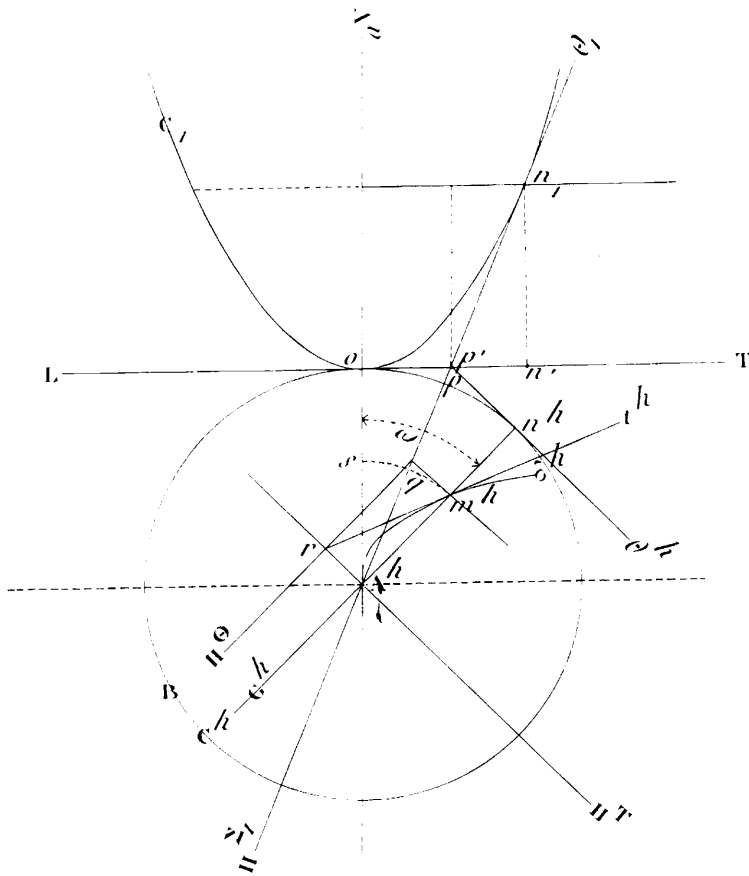


Fig. 259.

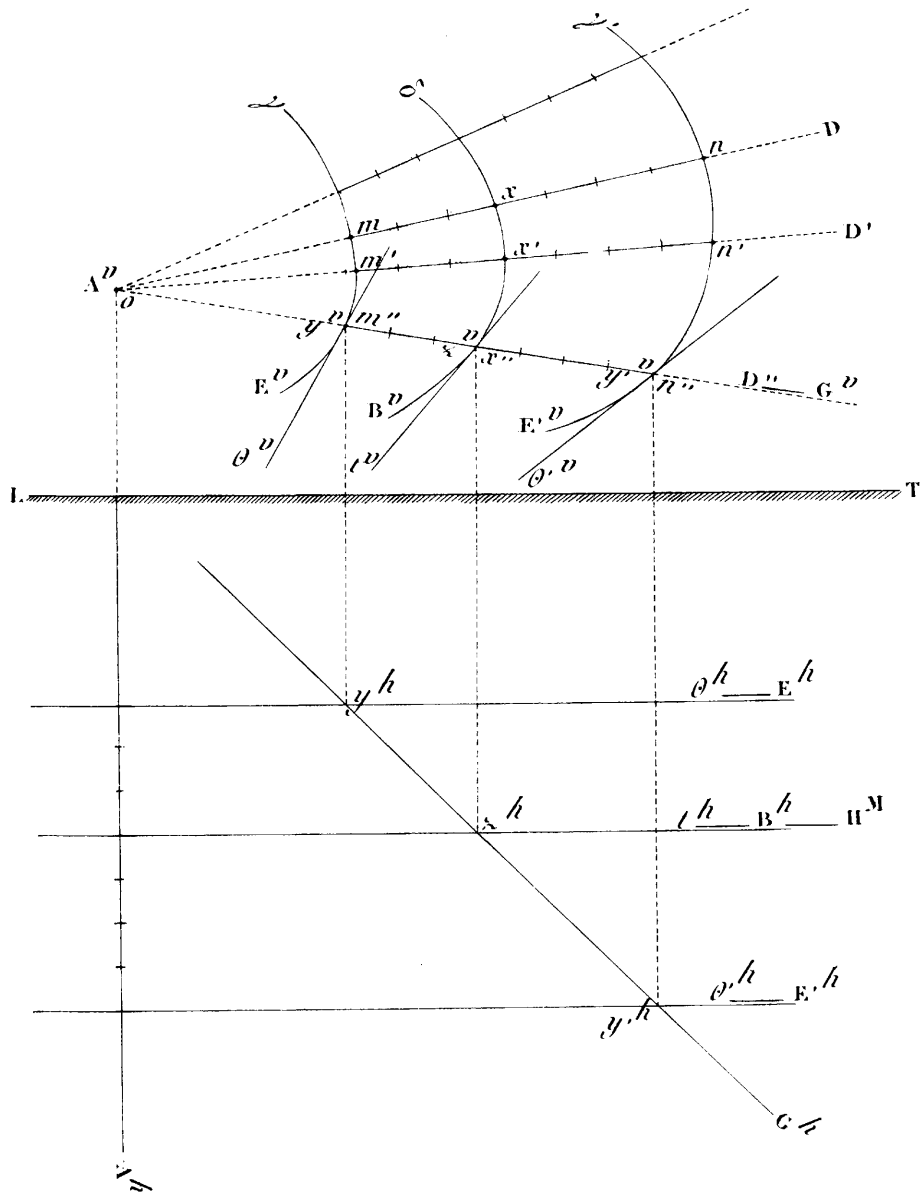


Fig. 250 .

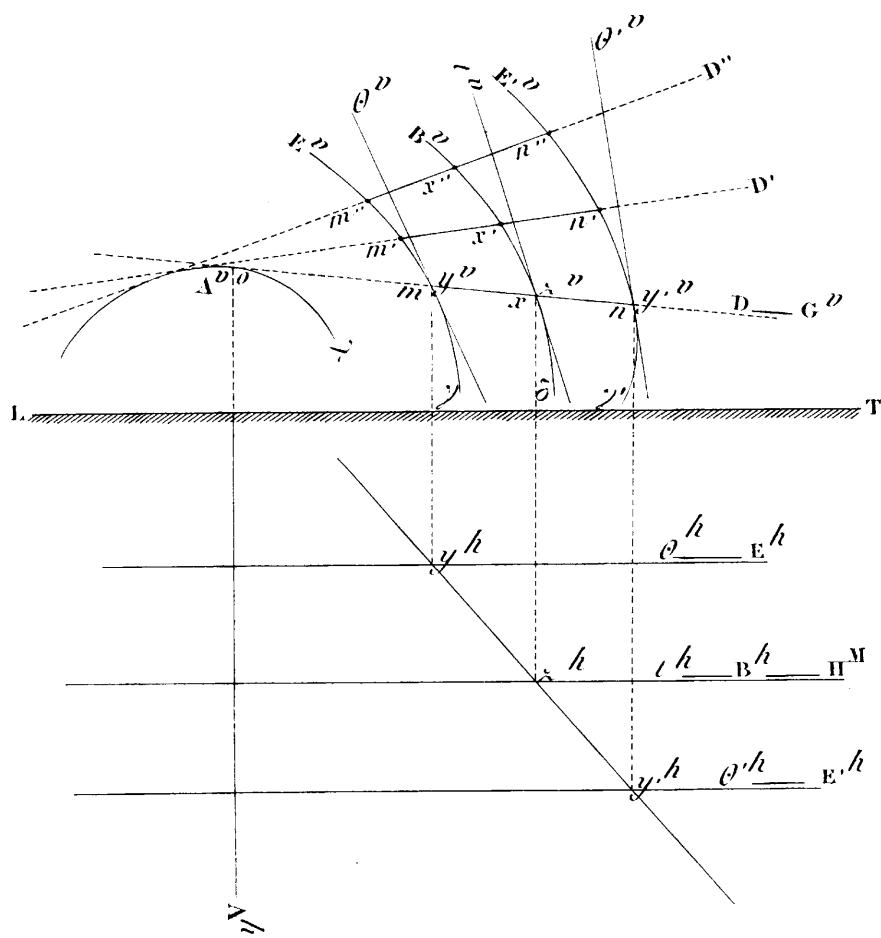


Fig. 251

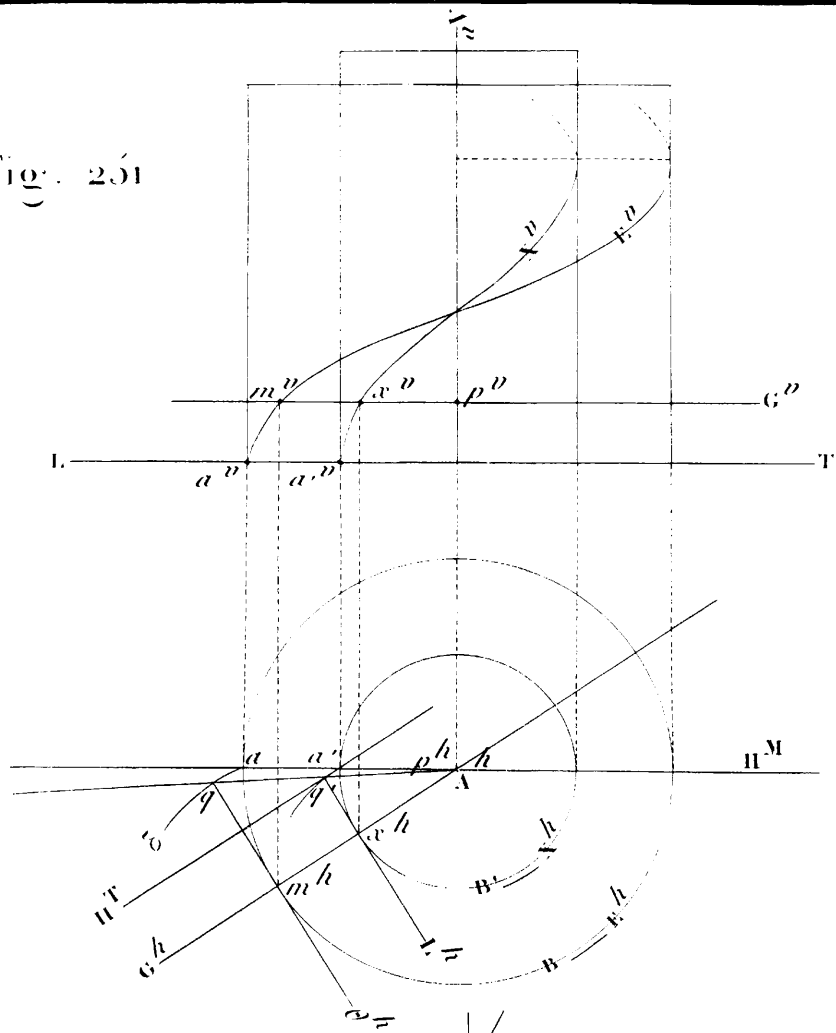


Fig. 253

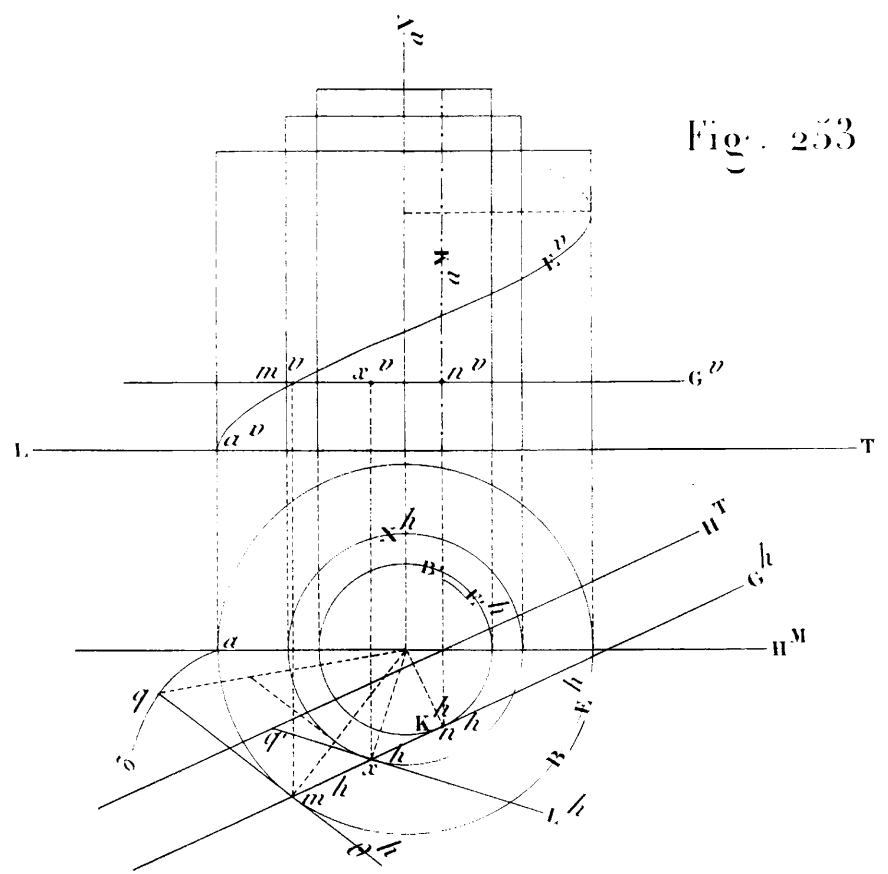


Fig. 252 *

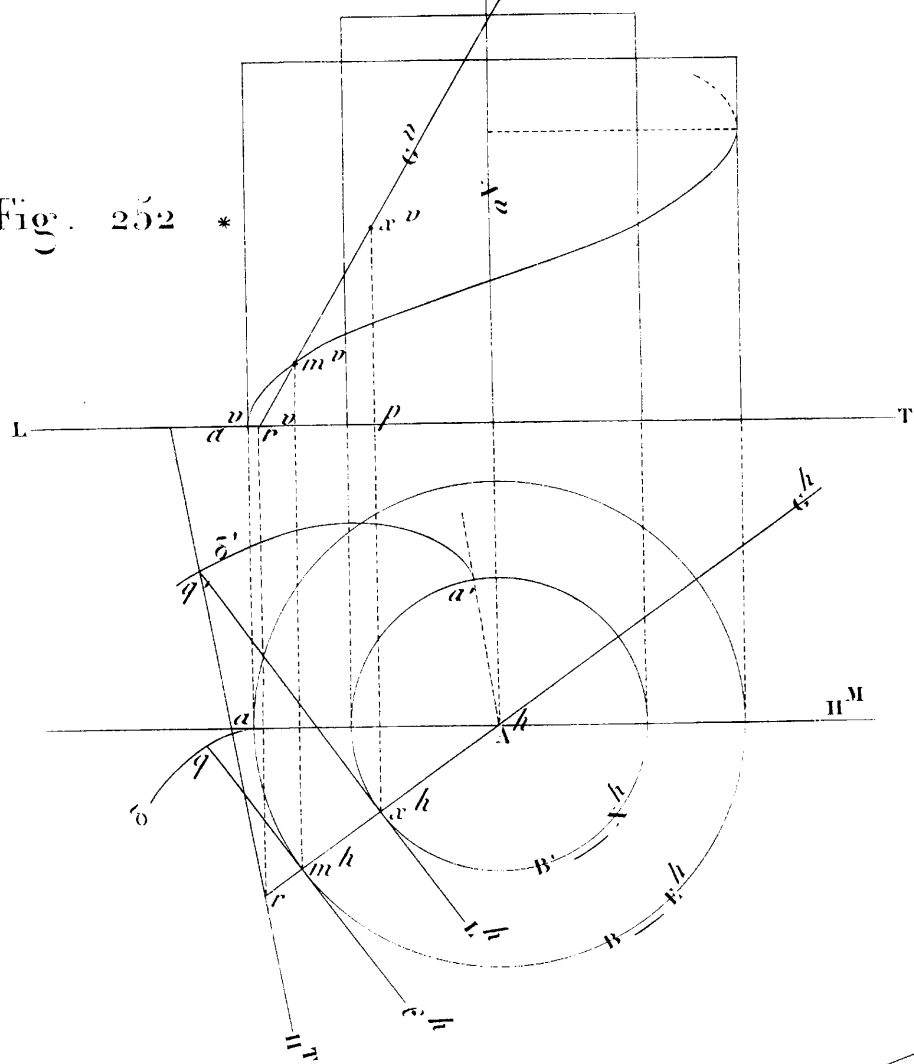


Fig. 252 *

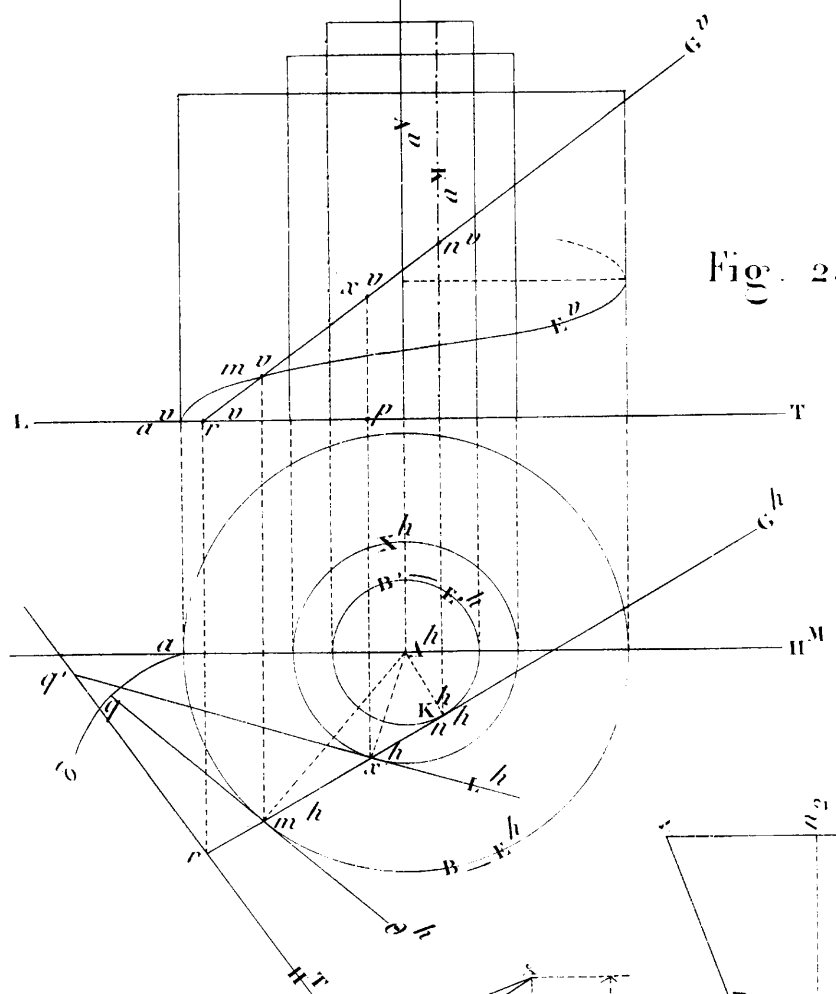


Fig. 252 bis *

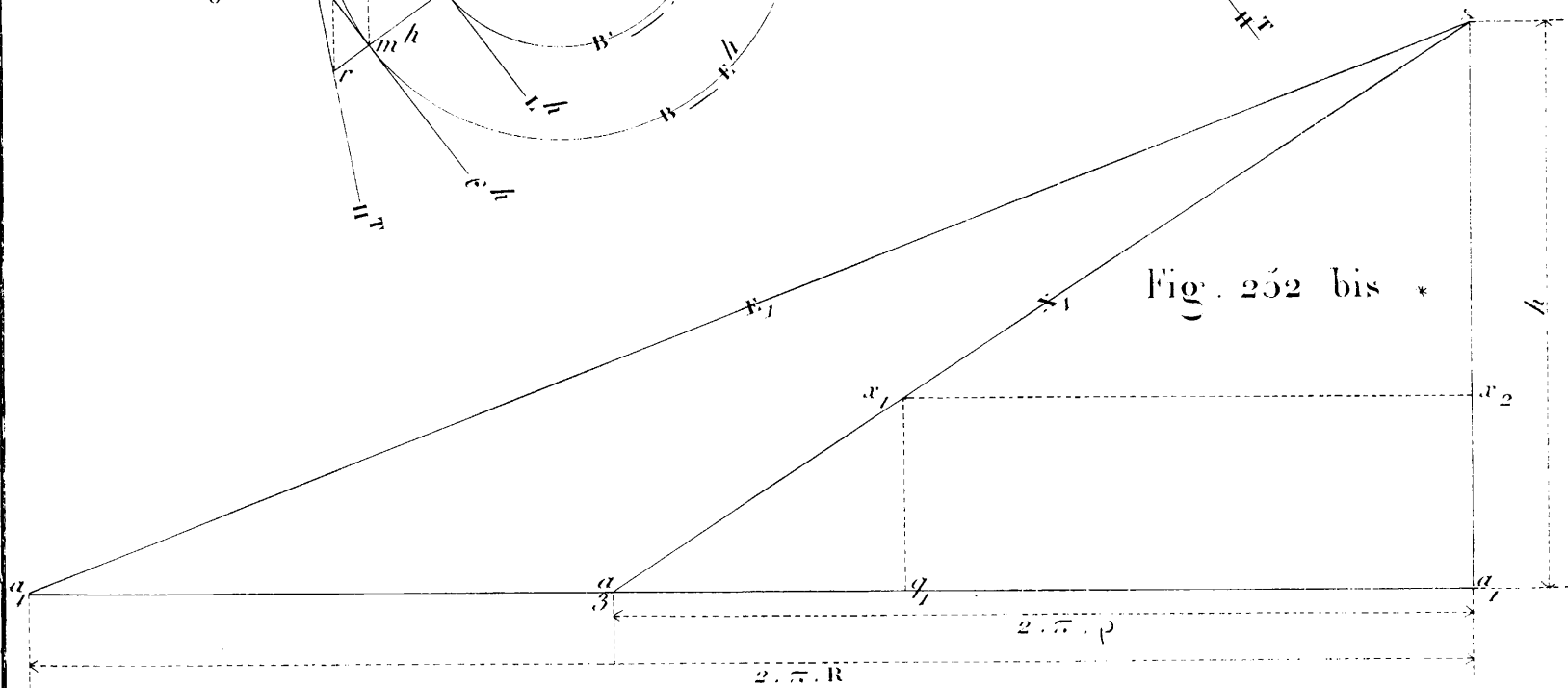


Fig. 254 bis *

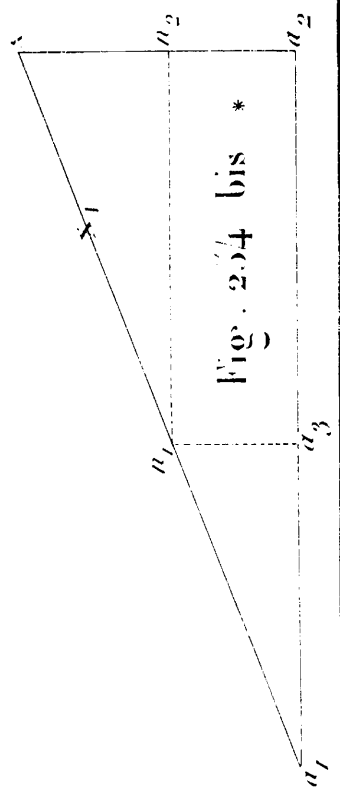


Fig. 255 *

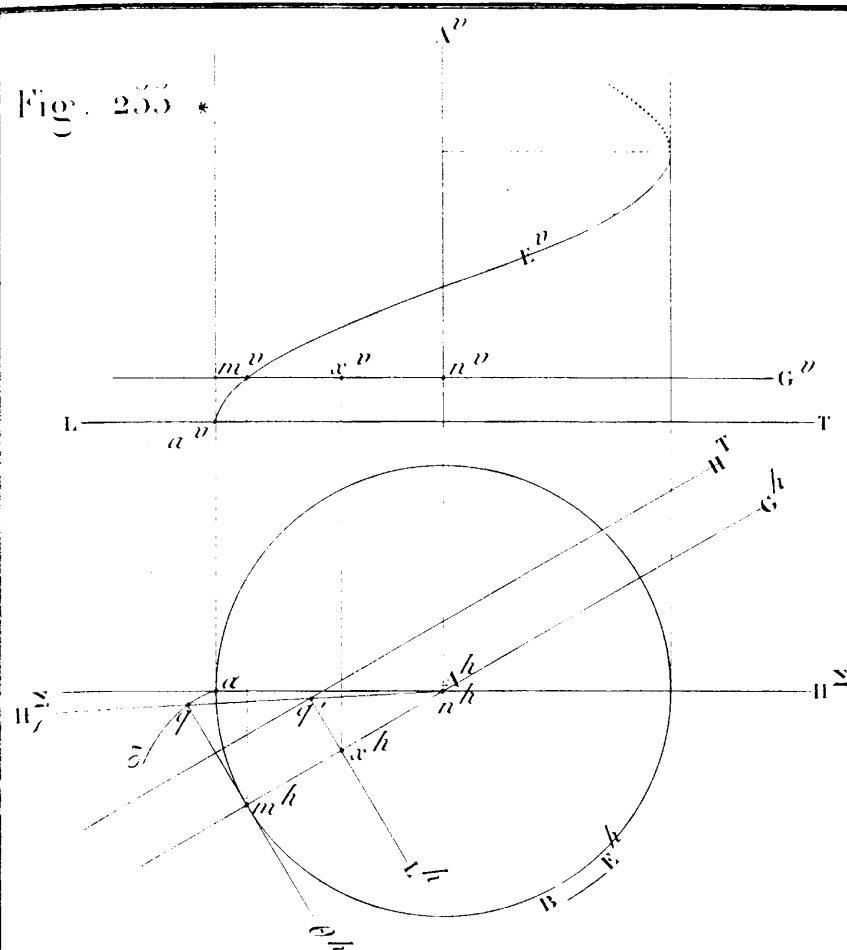


Fig. 256

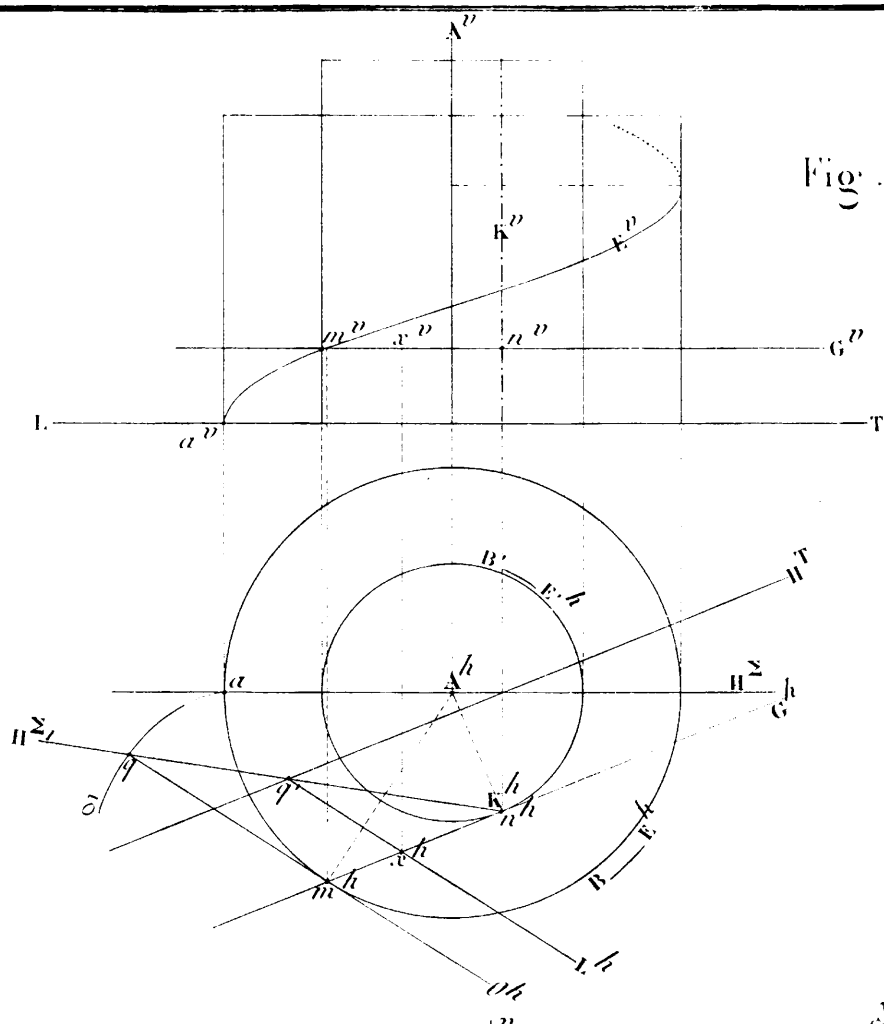


Fig. 257 *

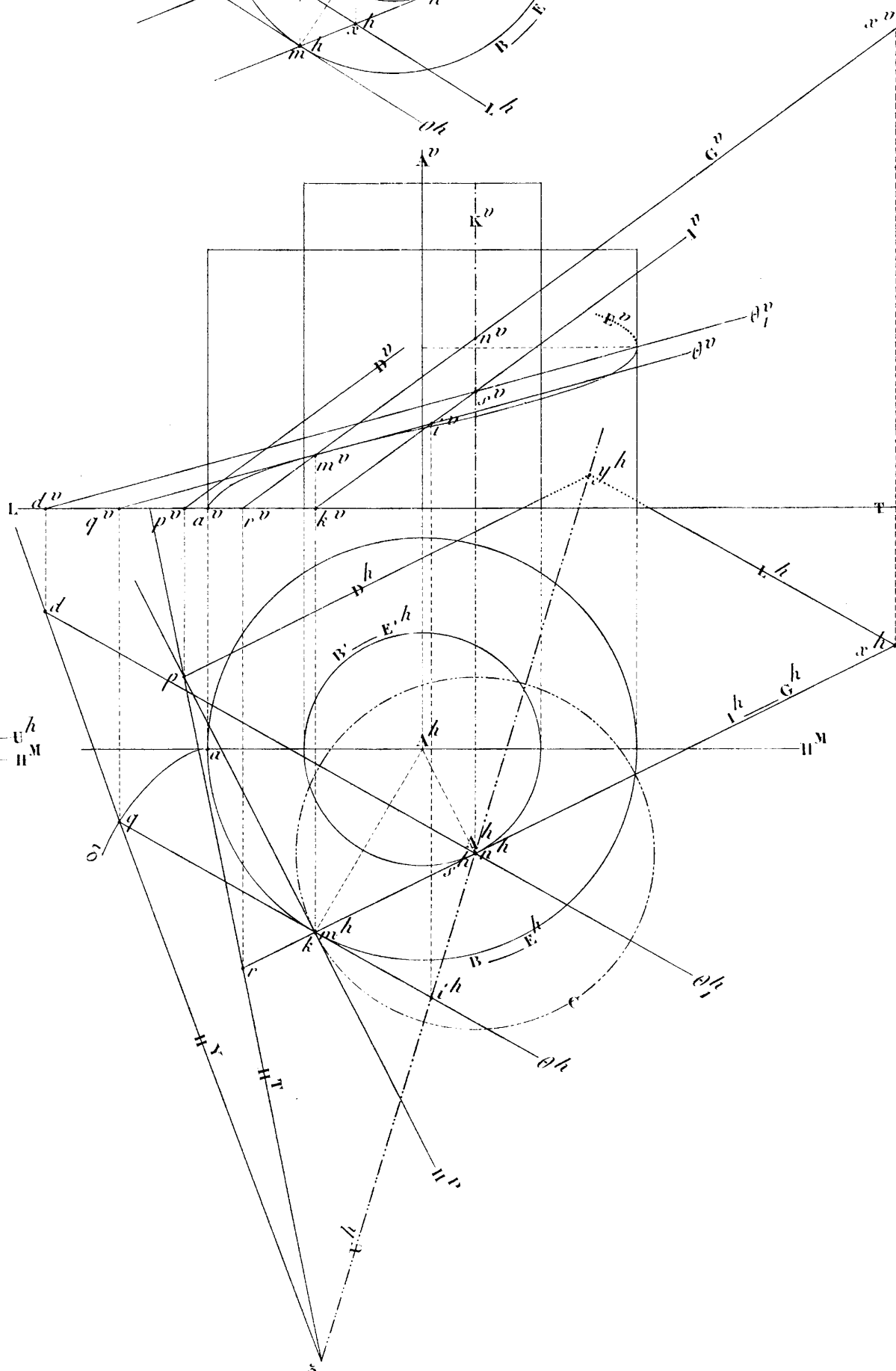
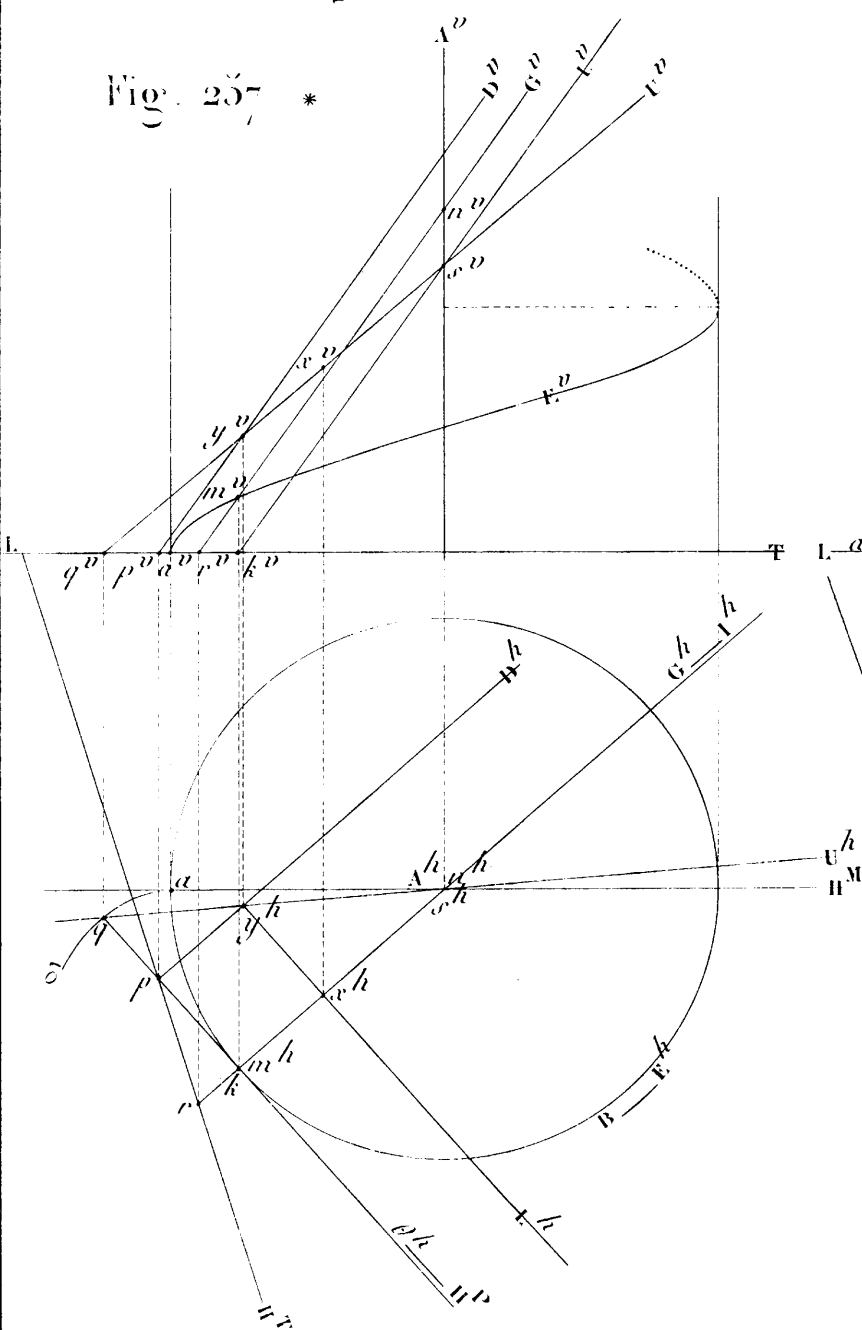


Fig. 259

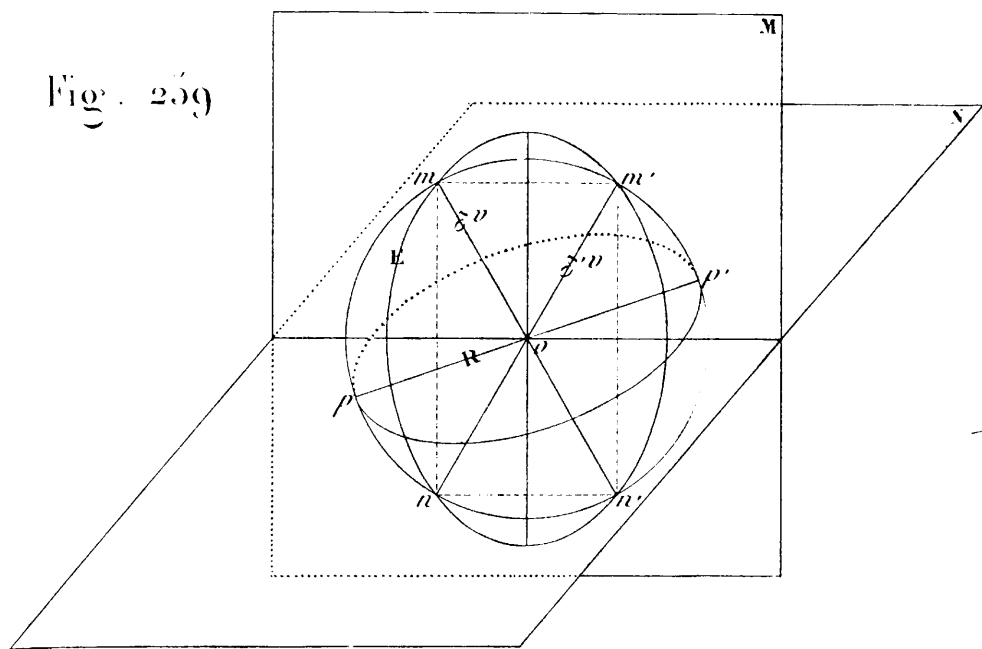


Fig. 260 (1)

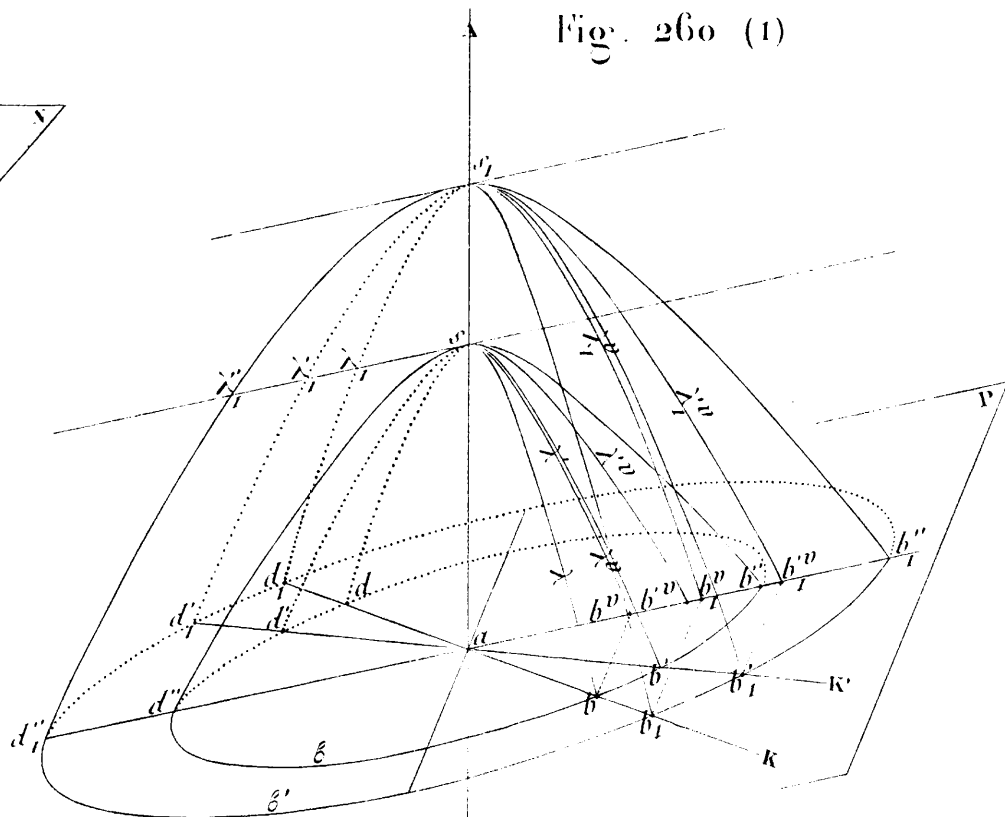


Fig. 261

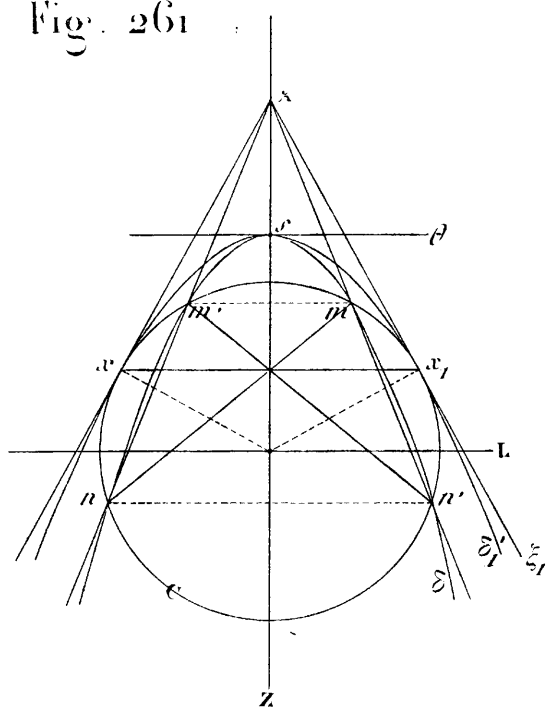


Fig. 262

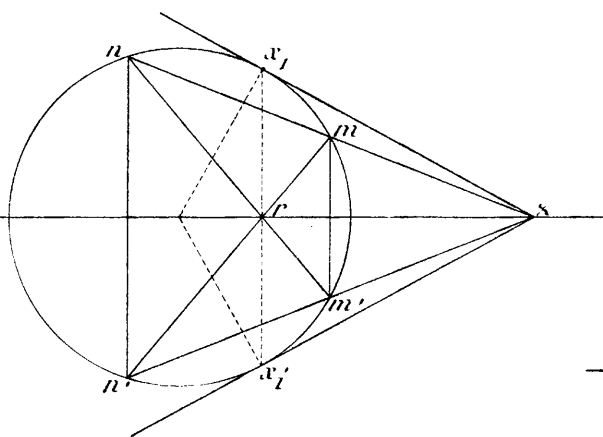


Fig. 260 (2)

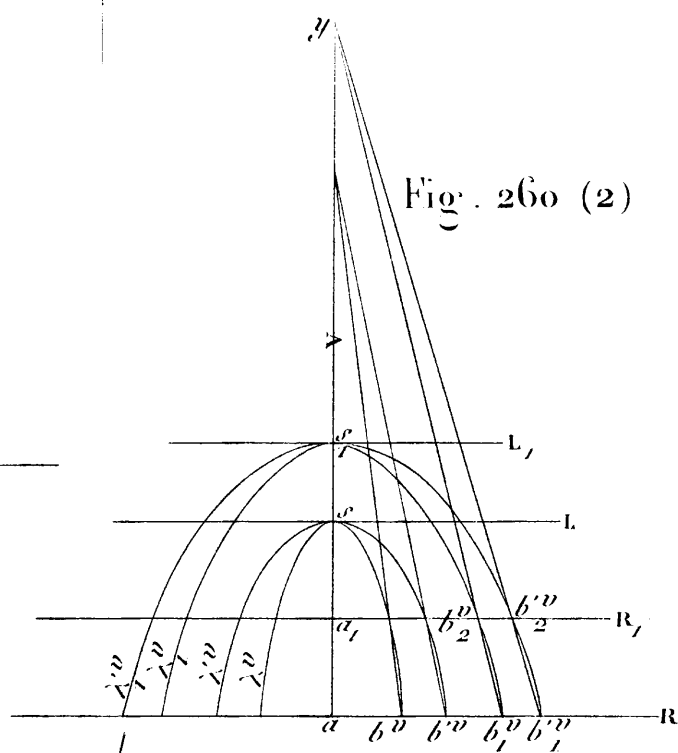


Fig. 263

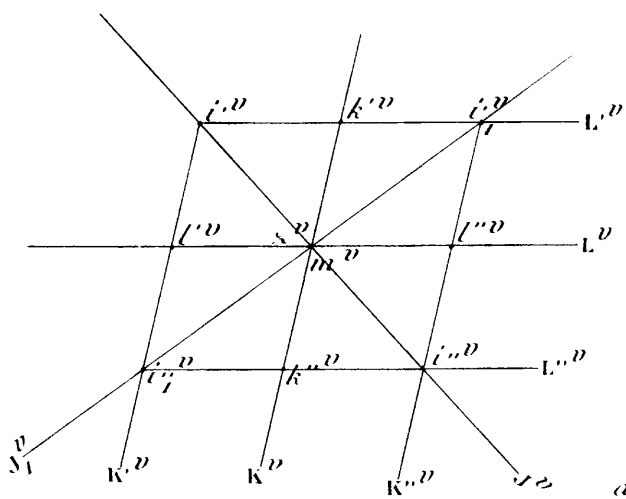


Fig. 264

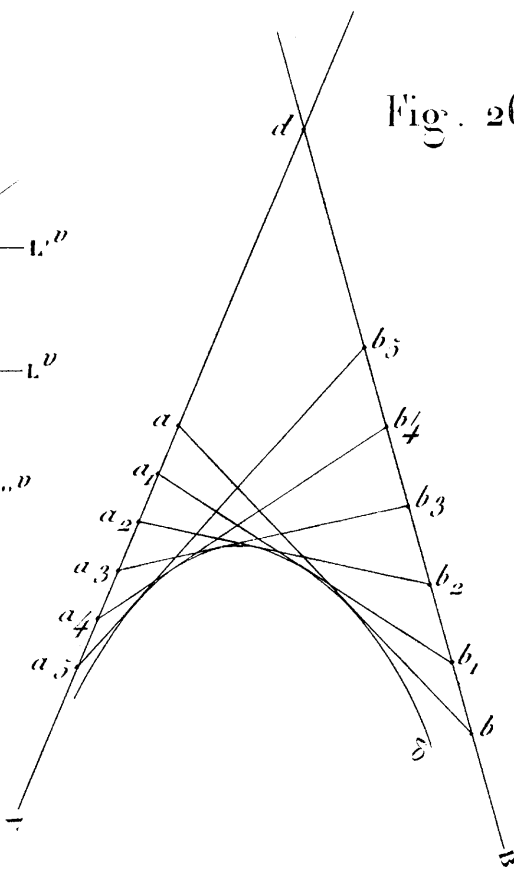


Fig. 265

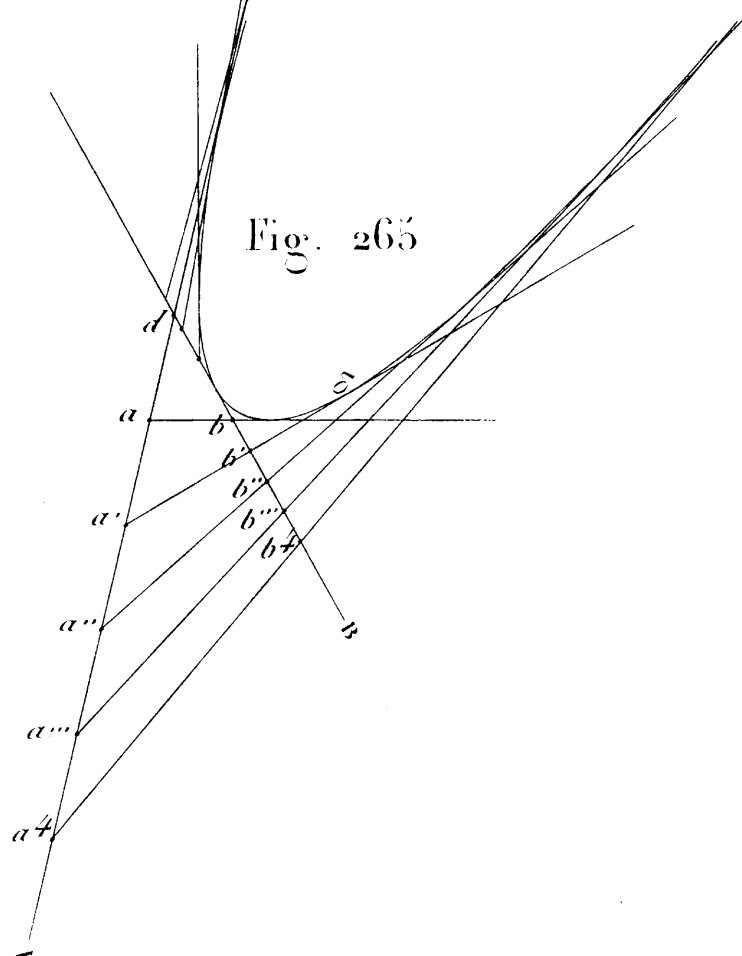


Fig. 266

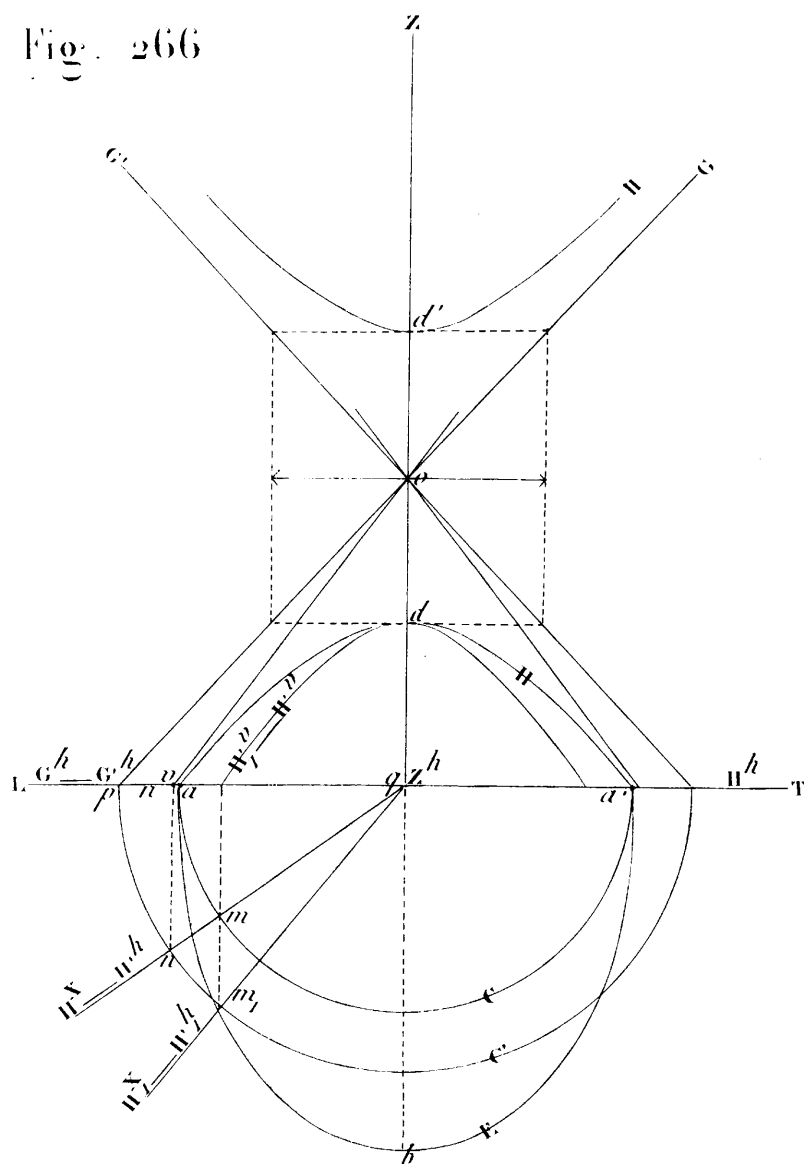


Fig. 267

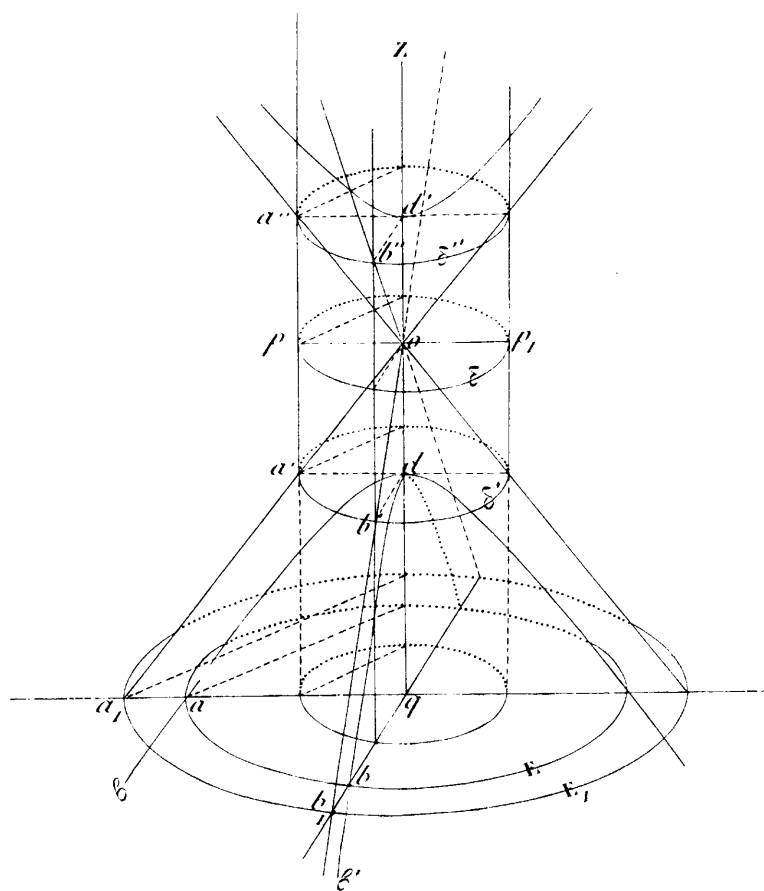


Fig. 269

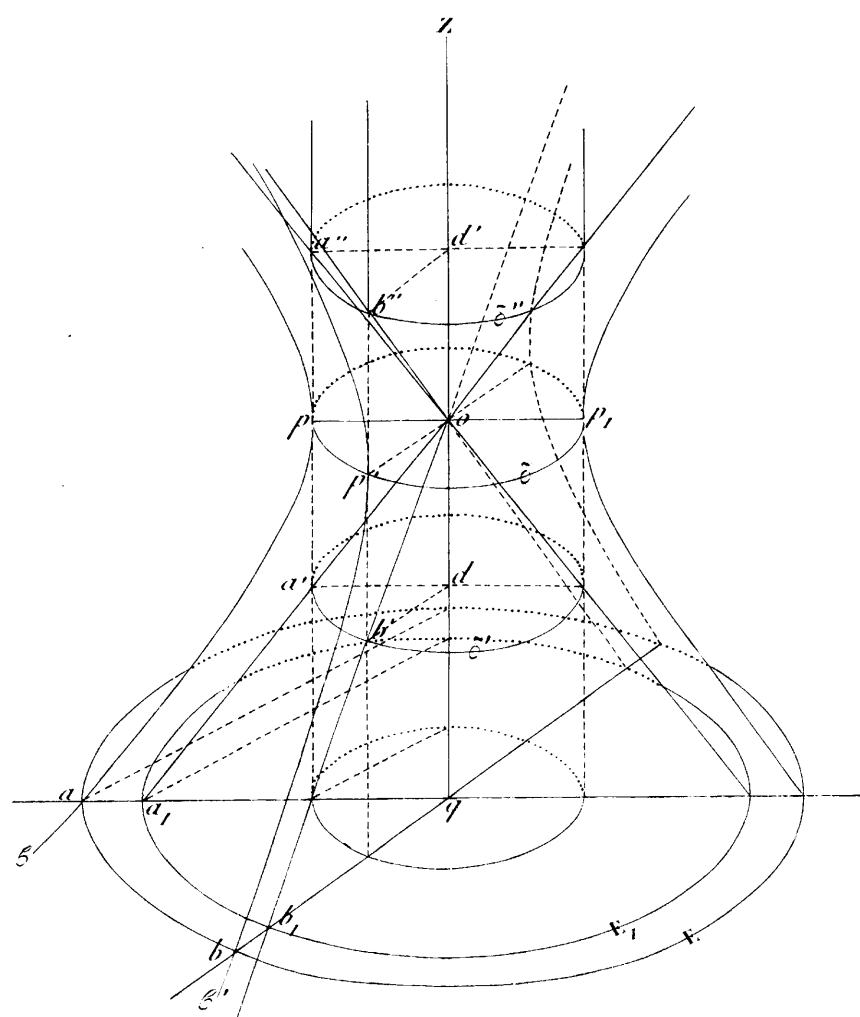


Fig. 268

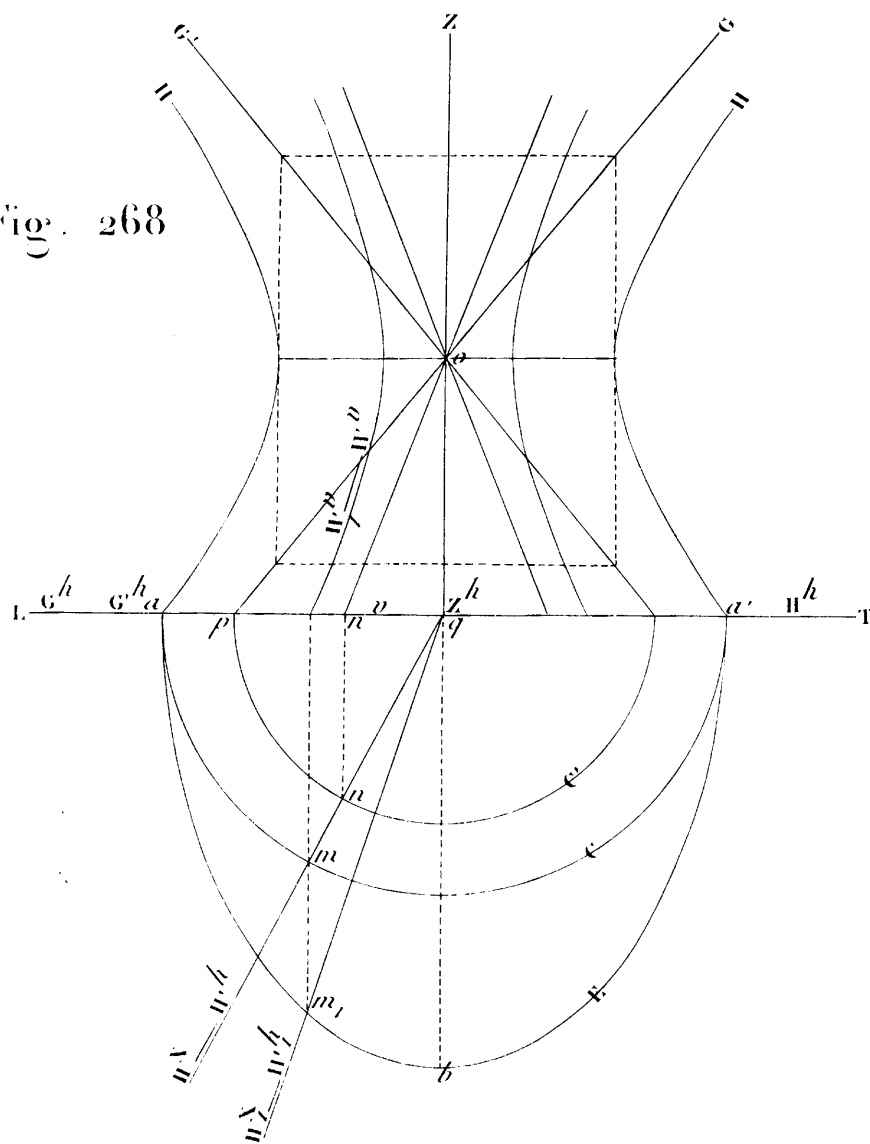
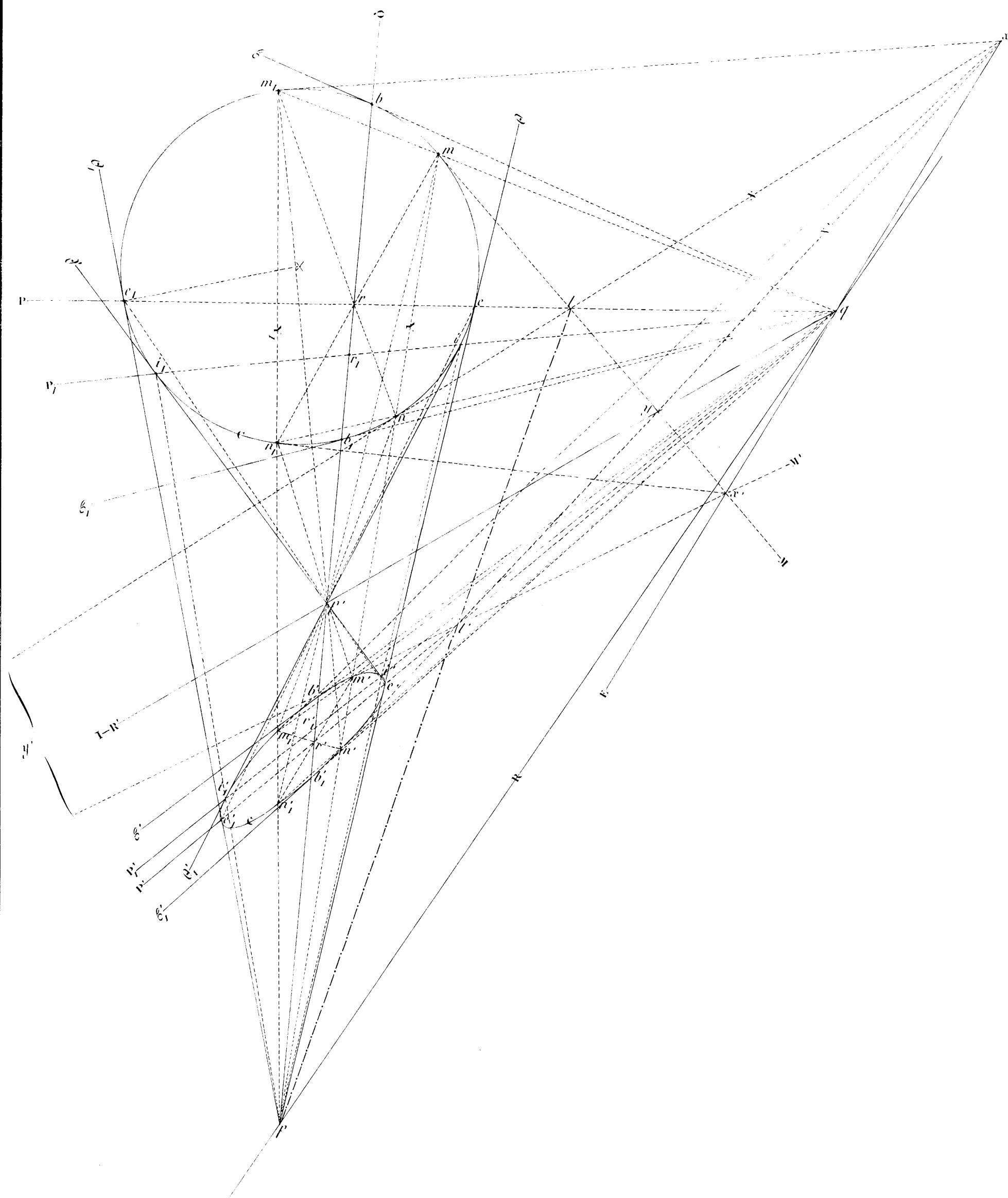


Fig. 270



Designé par Théodore Olivier .

Hibon Sculp

A complex geometric diagram illustrating the construction of a curve through points P , Q , R , and S . The diagram features several intersecting lines, including tangents and normals to the curve at various points. Key points and lines are labeled as follows:

- Points:** P , Q , R , S , A , B , C , D , E , F , G , H , I , J , K , L , M , N , O , P , Q , R , S , T , U , V , W , X , Y , Z .
- Lines:** PA , PQ , PR , PS , QA , QB , QC , QD , RA , RB , RC , RD , SA , SB , SC , SD , EA , EB , EC , ED , FA , FB , FC , FD , GA , GB , GC , GD , HA , HB , HC , HD , IA , IB , IC , ID , JA , JB , JC , JD , KA , KB , KC , KD , LA , LB , LC , LD , MA , MB , MC , MD , NA , NB , NC , ND , OA , OB , OC , OD , PA , PB , PC , PD , QA , QB , QC , QD , RA , RB , RC , RD , SA , SB , SC , SD , TA , TB , TC , TD , UA , UB , UC , UD , VA , VB , VC , VD , WA , WB , WC , WD , XA , XB , XC , XD , YA , YB , YC , YD , ZA , ZB , ZC , ZD .
- Curves:** A series of arcs connecting points P , Q , R , and S , with intermediate points A , B , C , D , E , F , G , H , I , J , K , L , M , N , O , P , Q , R , S , T , U , V , W , X , Y , Z .

Fig. 2-8 * a

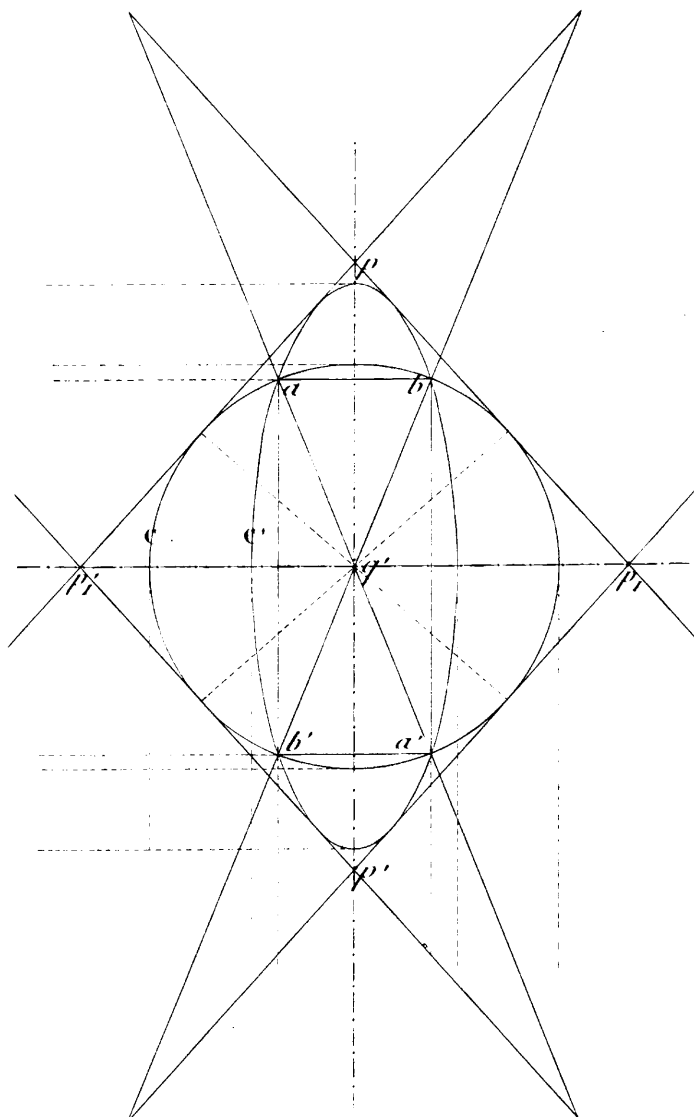
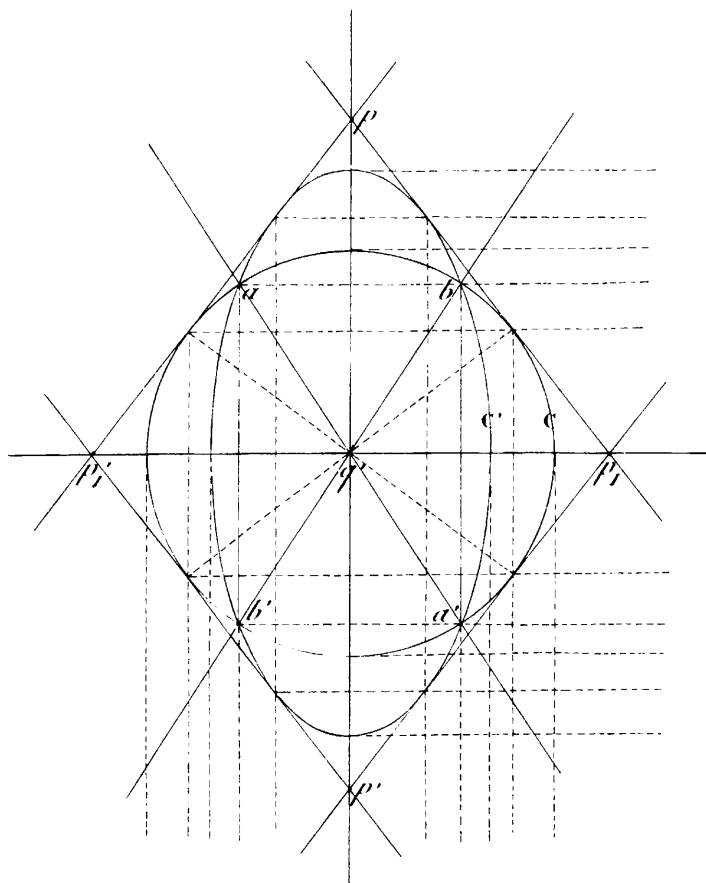


Fig. 278 (bis)

Fig. 2-8 (ter)

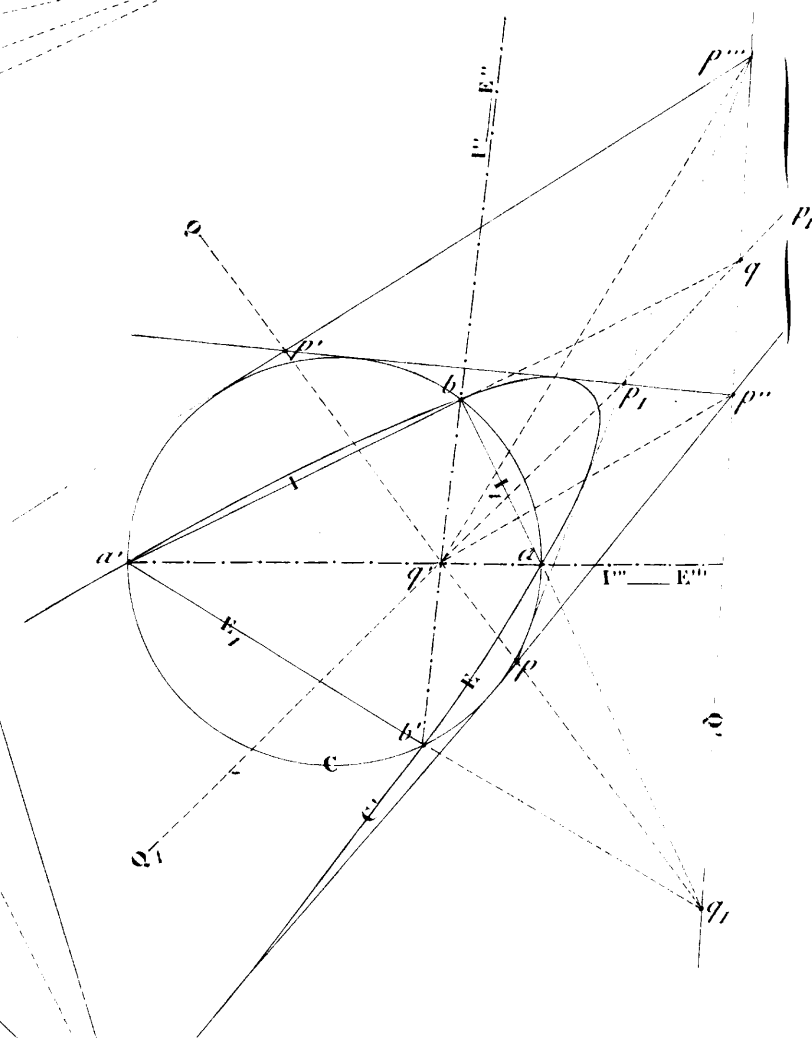
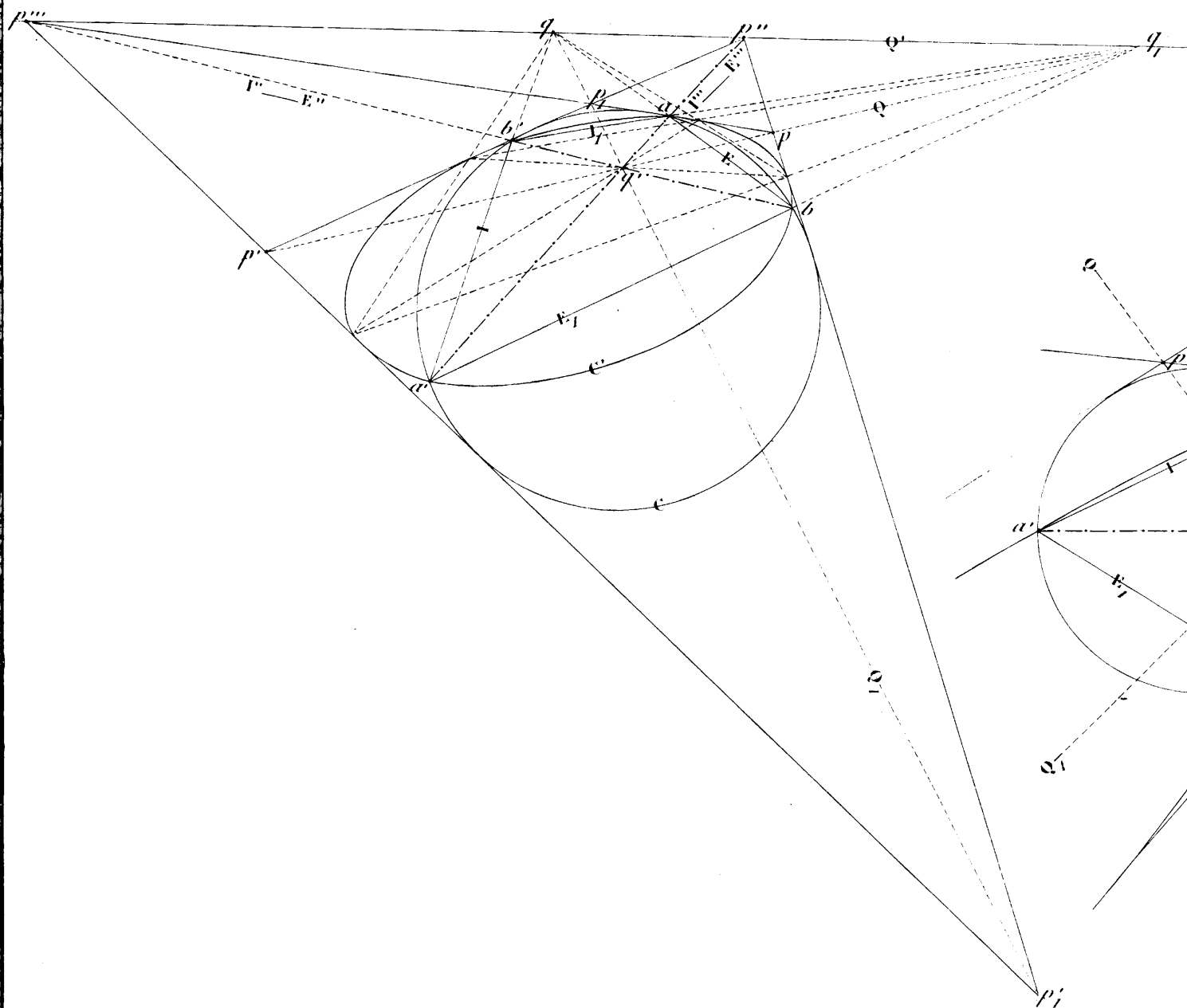


Fig. 279

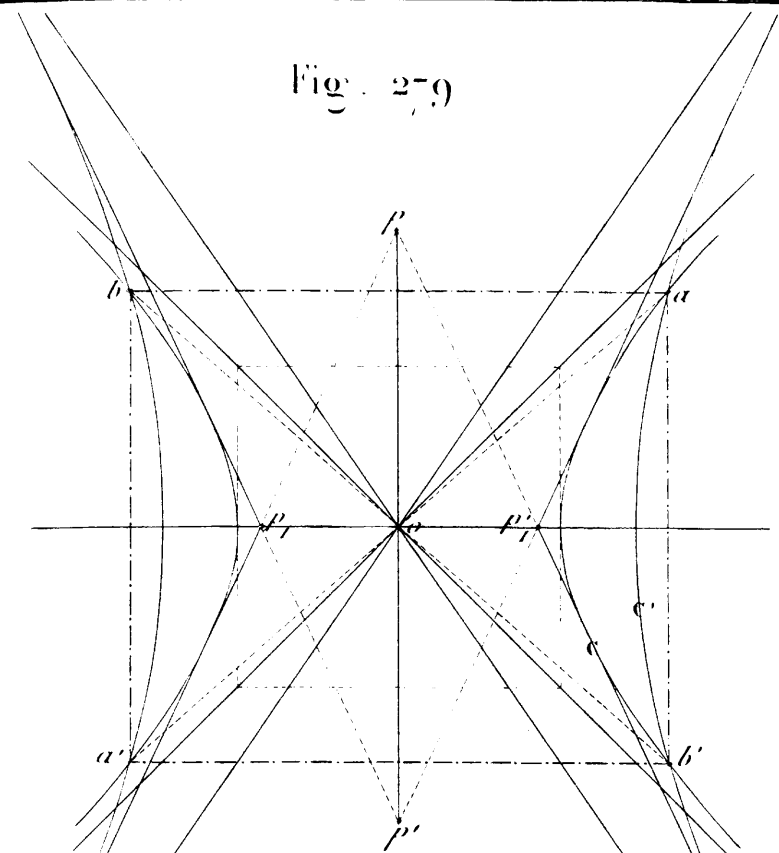


Fig. 280

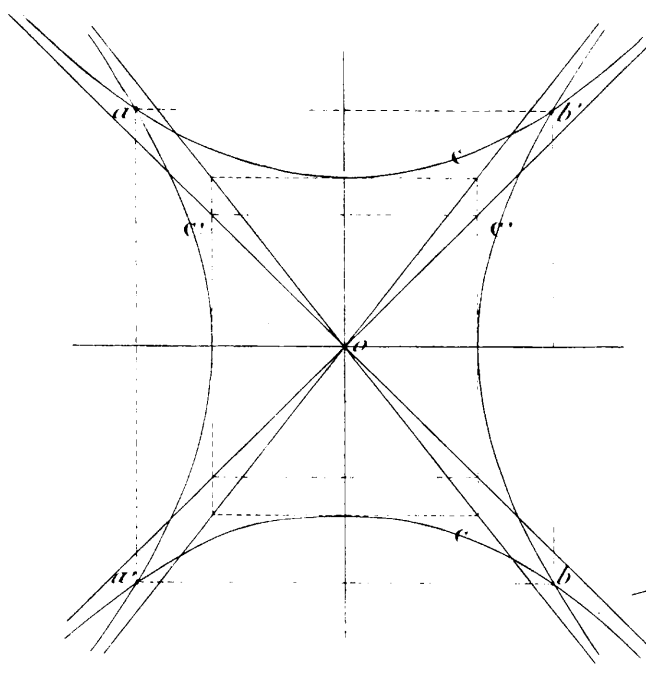


Fig. 281

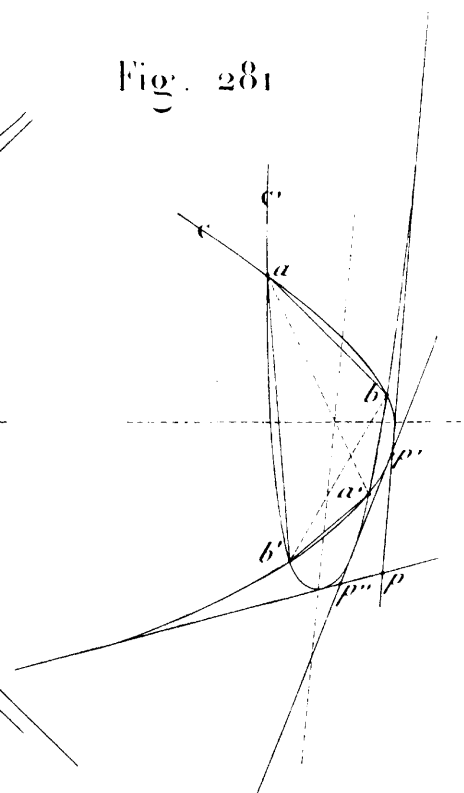


Fig. 282

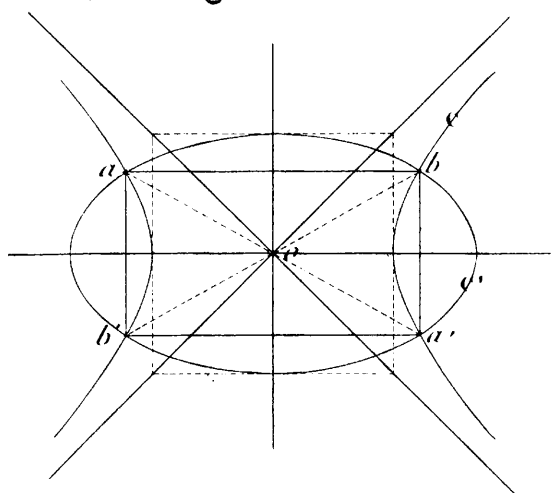


Fig. 283

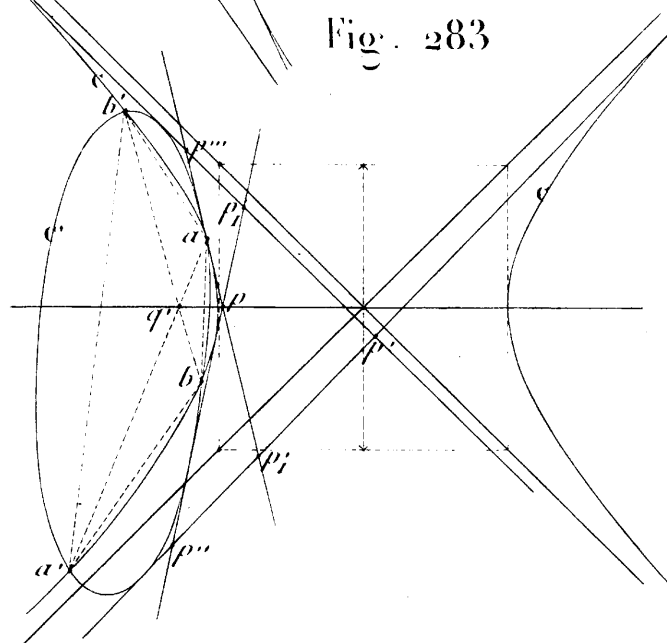


Fig. 284

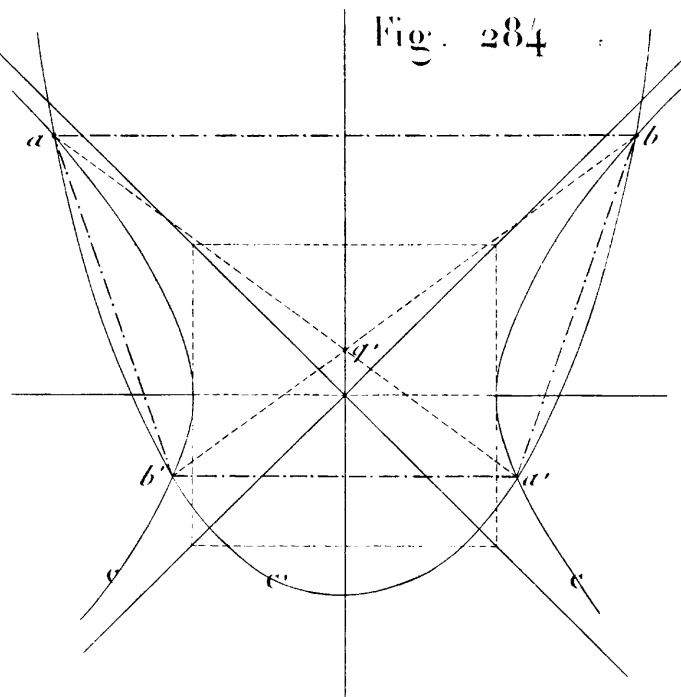


Fig. 285

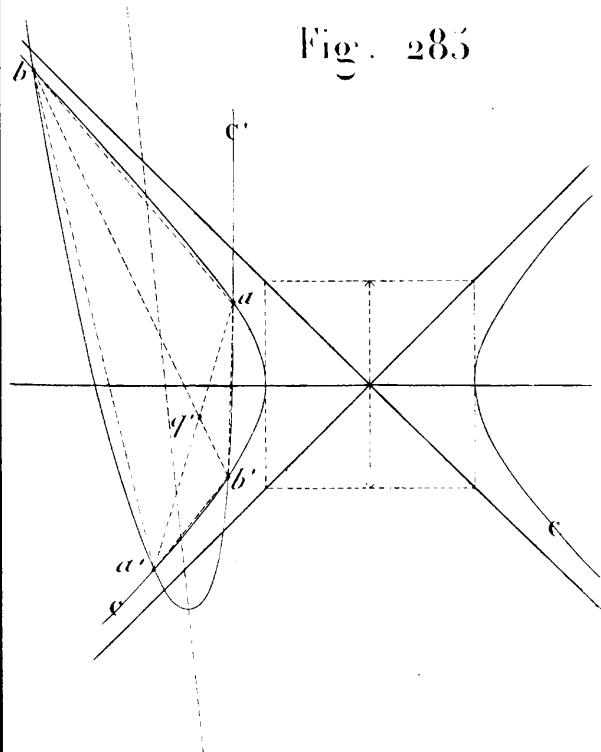
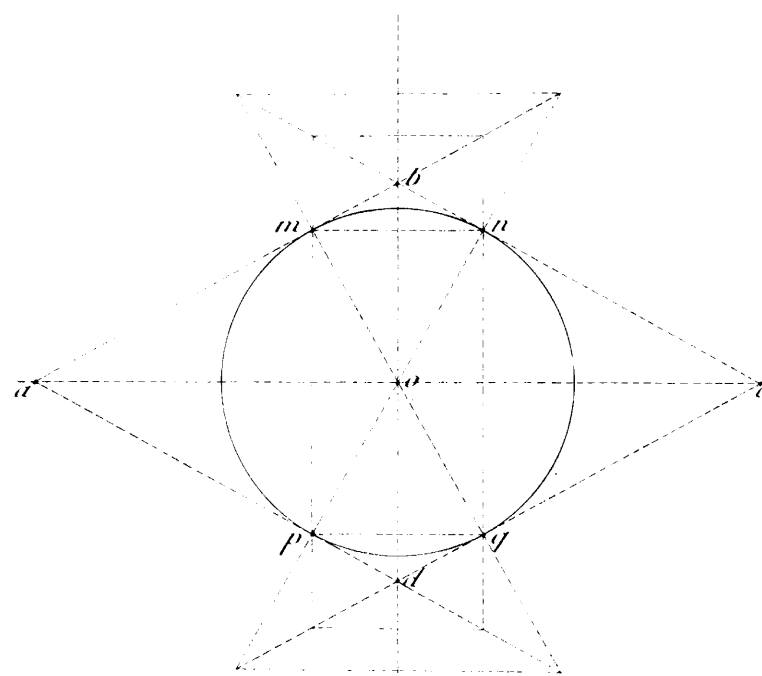
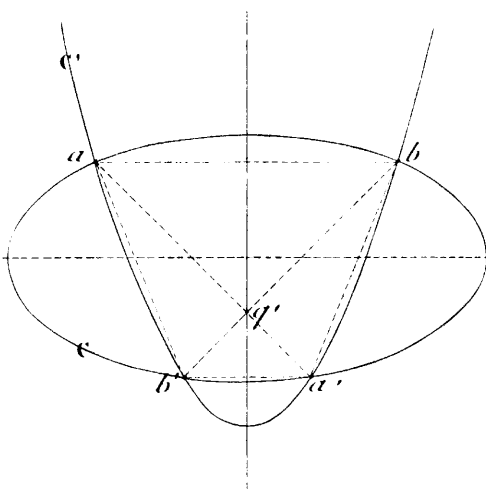


Fig. 286



PARIS. — IMPRIMERIE DE FAIN ET THUNOT.
Rue Racine, 28. près de l'Odéon.

ADDITIONS

.. AU ..

COURS DE GÉOMÉTRIE DESCRIPTIVE.

ADDITIONS

AU

COURS DE GÉOMÉTRIE DESCRIPTIVE.

DÉMONSTRATION NOUVELLE
DES PROPRIÉTÉS PRINCIPALES DES SECTIONS CONIQUES.

PAR M. THÉODORE OLIVIER,

ANCIEN ÉLÈVE DE L'ÉCOLE POLYTECHNIQUE ET ANCIEN OFFICIER D'ARTILLERIE, DOCTEUR ÈS SCIENCES DE LA FACULTÉ DE PARIS.
ANCIEN PROFESSEUR ADJOINT DE L'ÉCOLE D'APPLICATION DE L'ARTILLERIE ET DU GÉNIE MILITAIRE A METZ;
ANCIEN RÉPÉTITEUR A L'ÉCOLE POLYTECHNIQUE;
PROFESSEUR DE GÉOMÉTRIE DESCRIPTIVE AU CONSERVATOIRE ROYAL DES ARTS ET MÉTIERS;
PROFESSEUR-FONDATEUR DE L'ÉCOLE CENTRALE DES ARTS ET MANUFACTURES;
MEMBRE DE LA SOCIÉTÉ PHILOMATHIQUE DE PARIS ET CENSEUR DE LA SOCIÉTÉ D'ENCOURAGEMENT POUR L'INDUSTRIE NATIONALE.
MEMBRE ÉTRANGER DES DEUX ACADÉMIES ROYALES DES SCIENCES ET DES SCIENCES MILITAIRES DE STOCKHOLM;
MEMBRE CORRESPONDANT DE LA SOCIÉTÉ ROYALE DES SCIENCES DE LIÈGE ET DE LA SOCIÉTÉ ROYALE D'AGRICULTURE ET ARTS UTILES DE LYON;
DES ACADÉMIES DE METZ, DIJON ET LYON;
OFFICIER DE LA LÉGION D'HONNEUR ET CHEVALIER DE L'ORDRE ROYAL DE L'ÉTOILE POLAIRE DE SUÈDE

ATLAS.

PARIS.

CARILIAN-GOEURY ET V^{OR} DALMONT, ÉDITEURS,
LIBRAIRES DES CORPS ROYAUX DES PONTS ET CHAUSSÉES ET DES MINES,
Quai des Augustins, n^{OS} 39 et 41.

1847

Fig. 1.

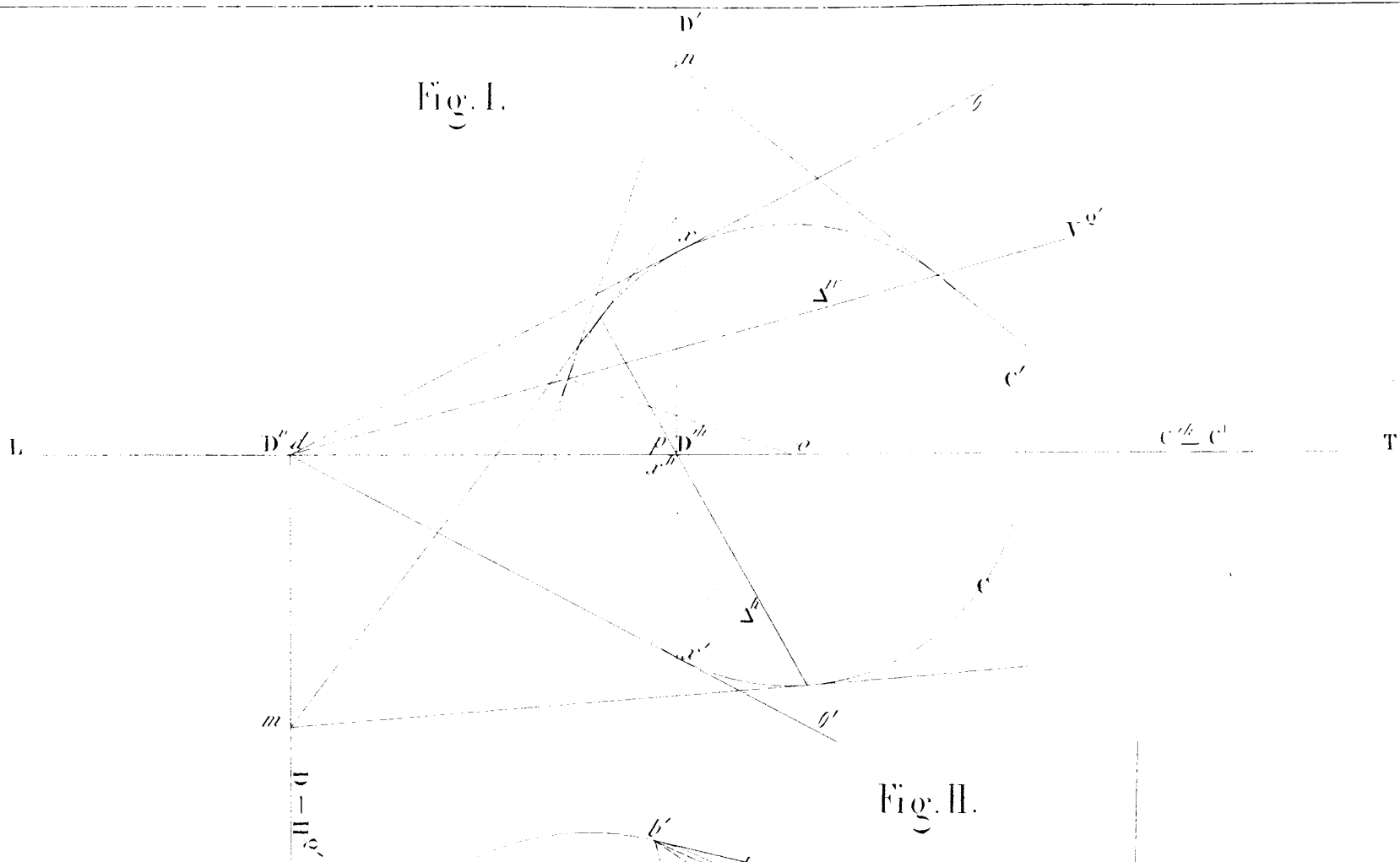


Fig. 11.

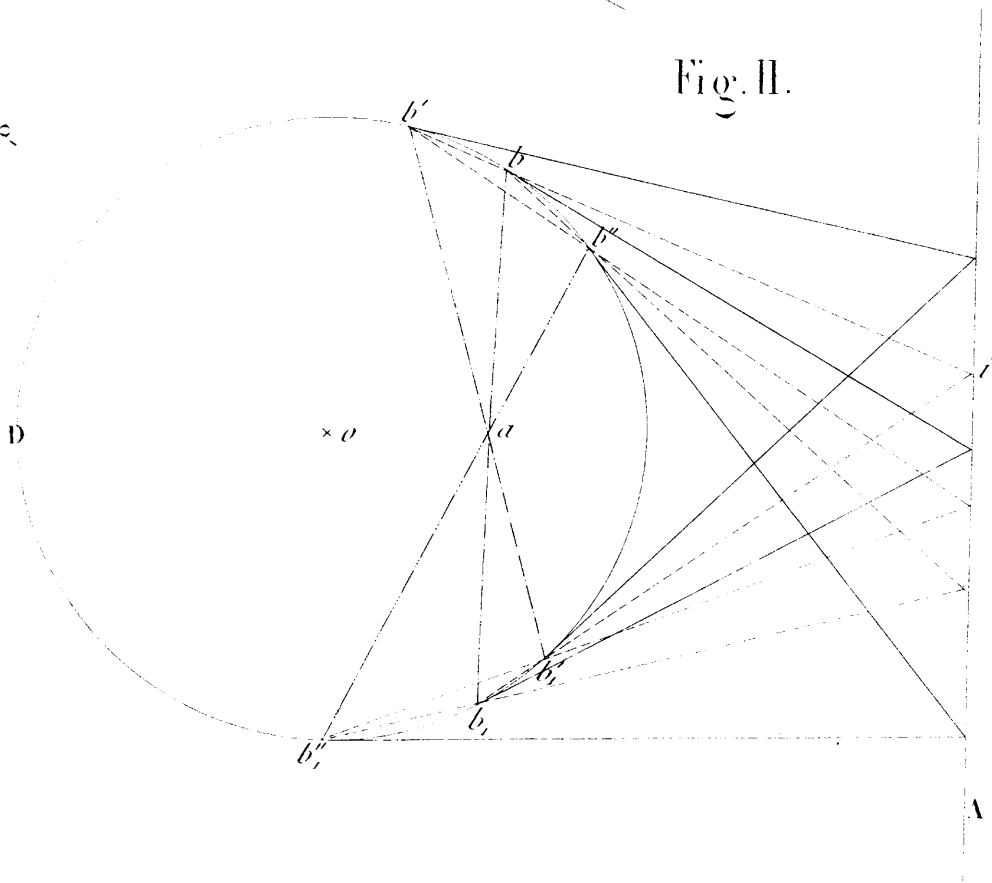
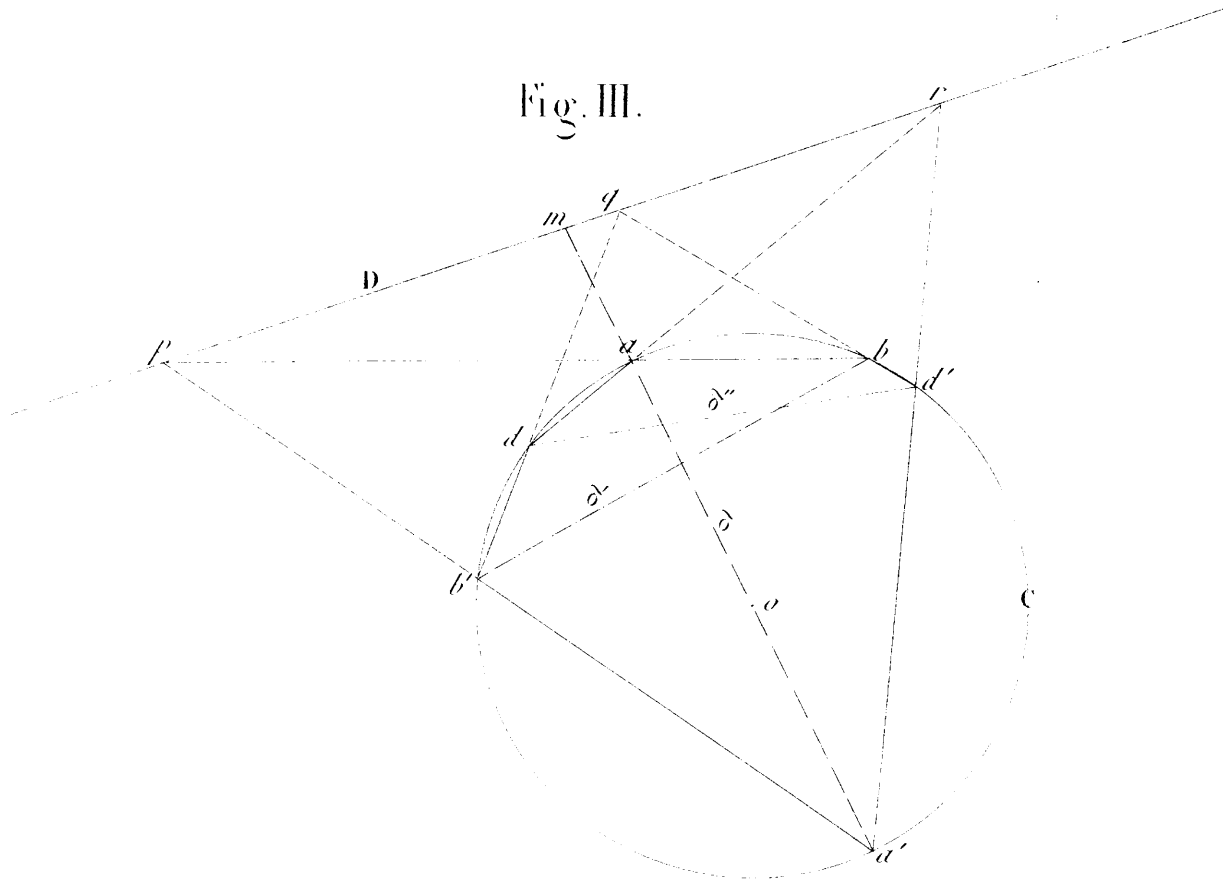
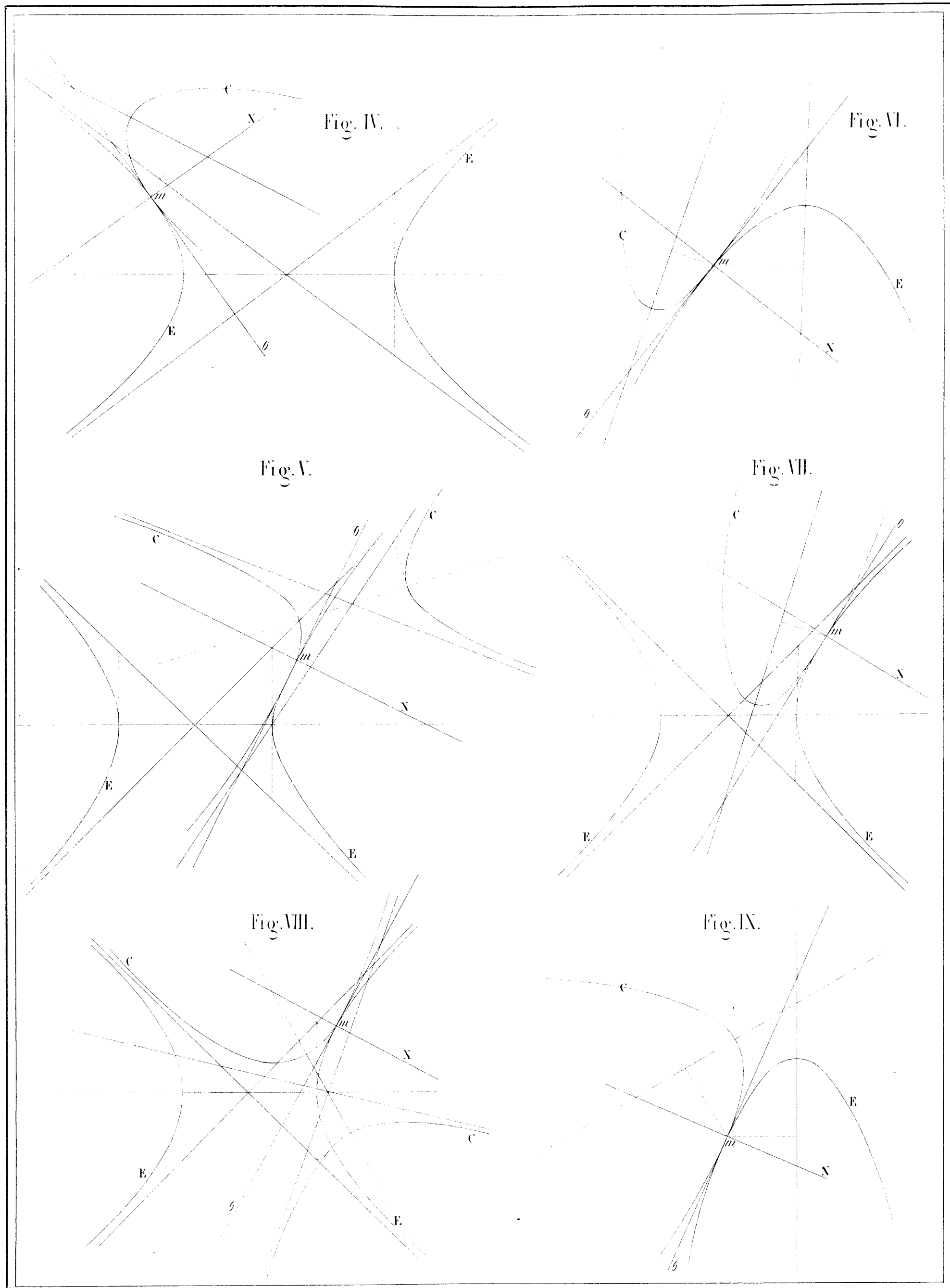


Fig. III.





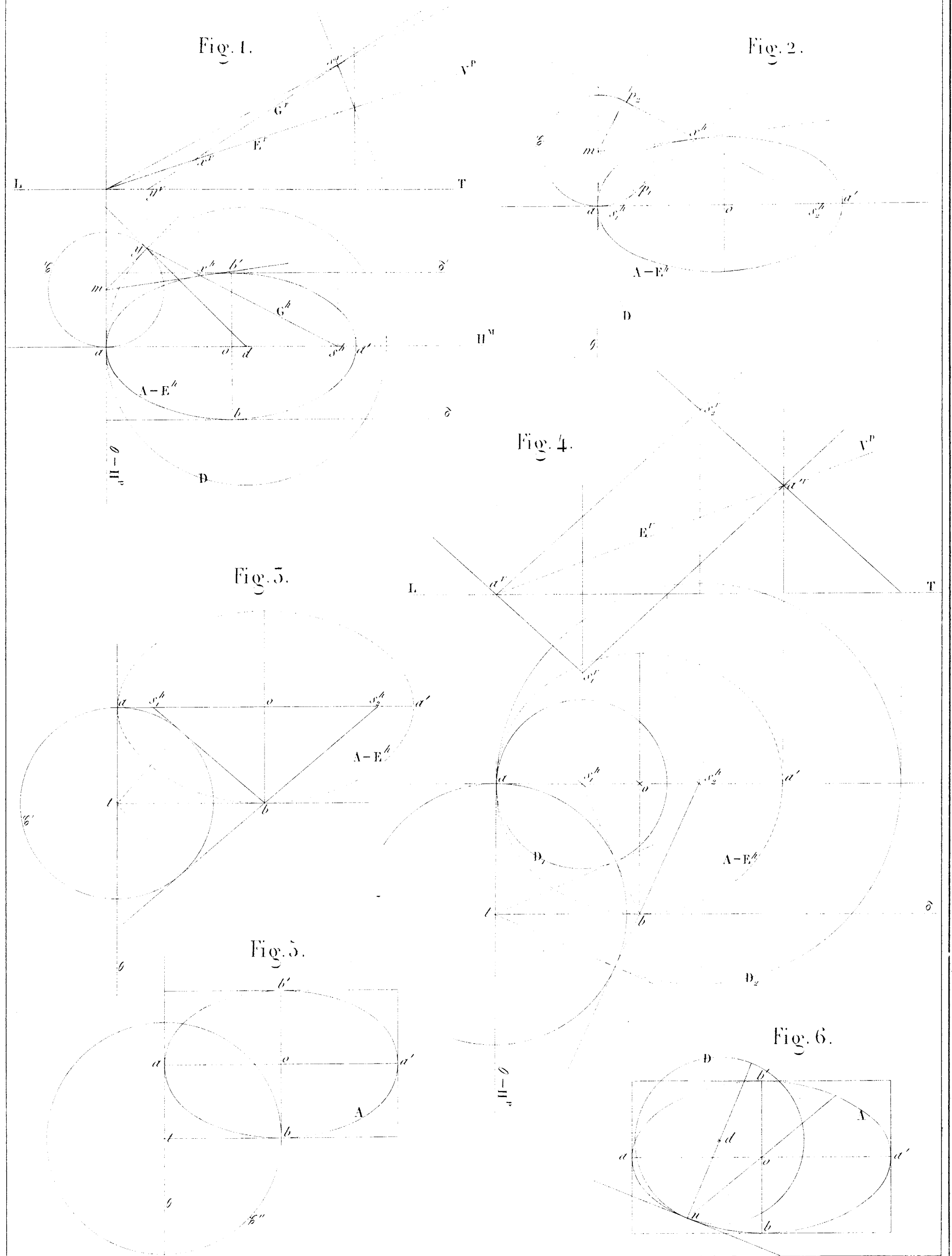


Fig. 7.

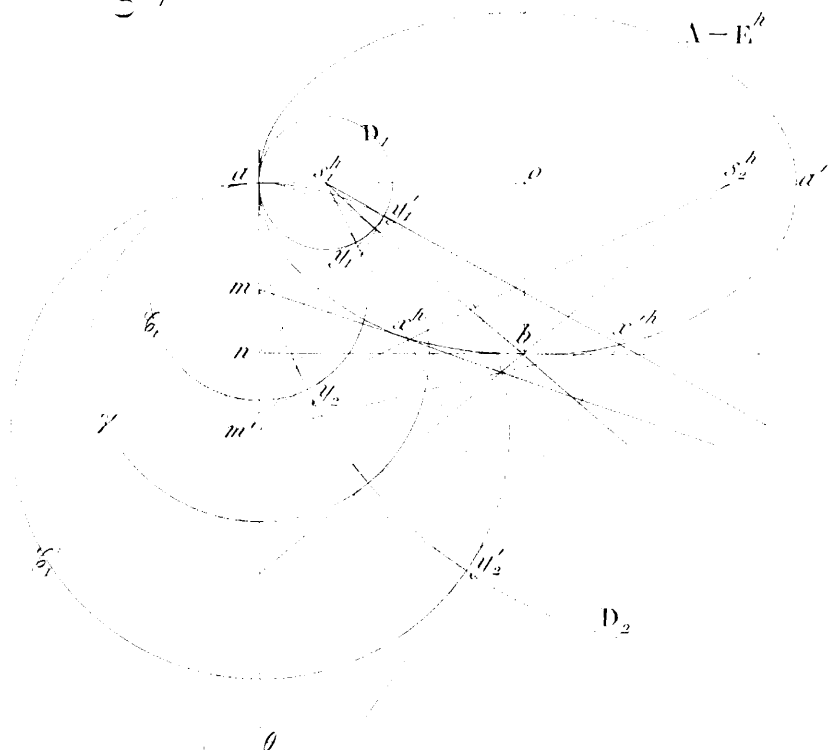
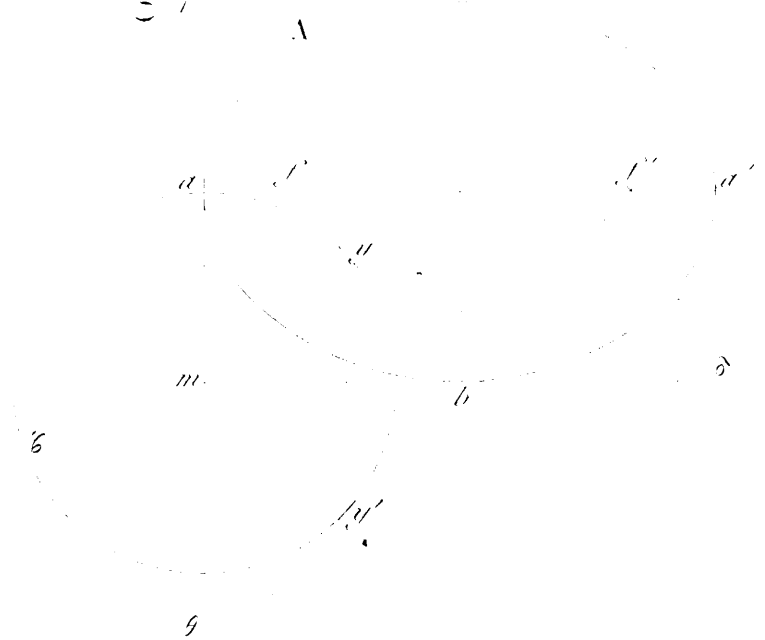
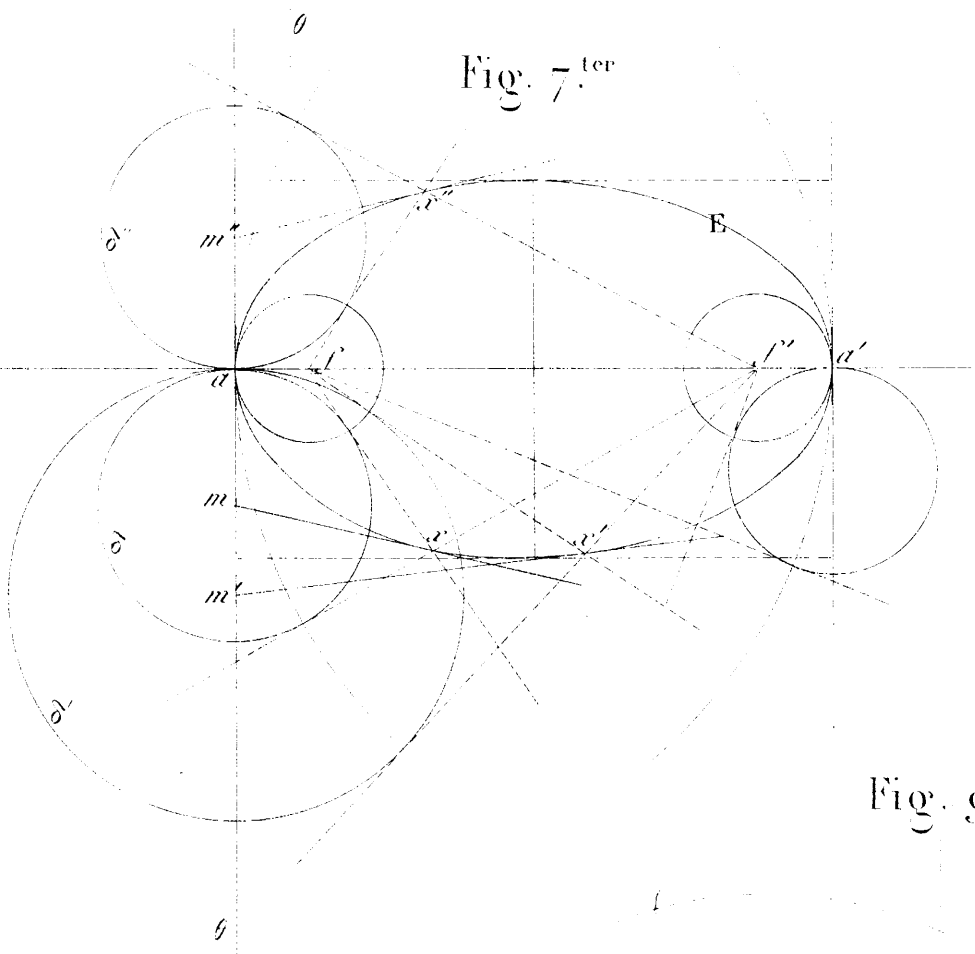
Fig. 7^{bis}.Fig. 7^{ter}.

Fig. 8.

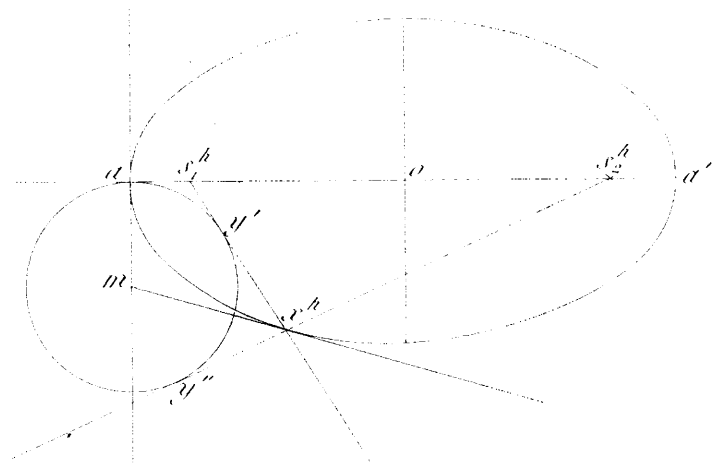


Fig. 9.

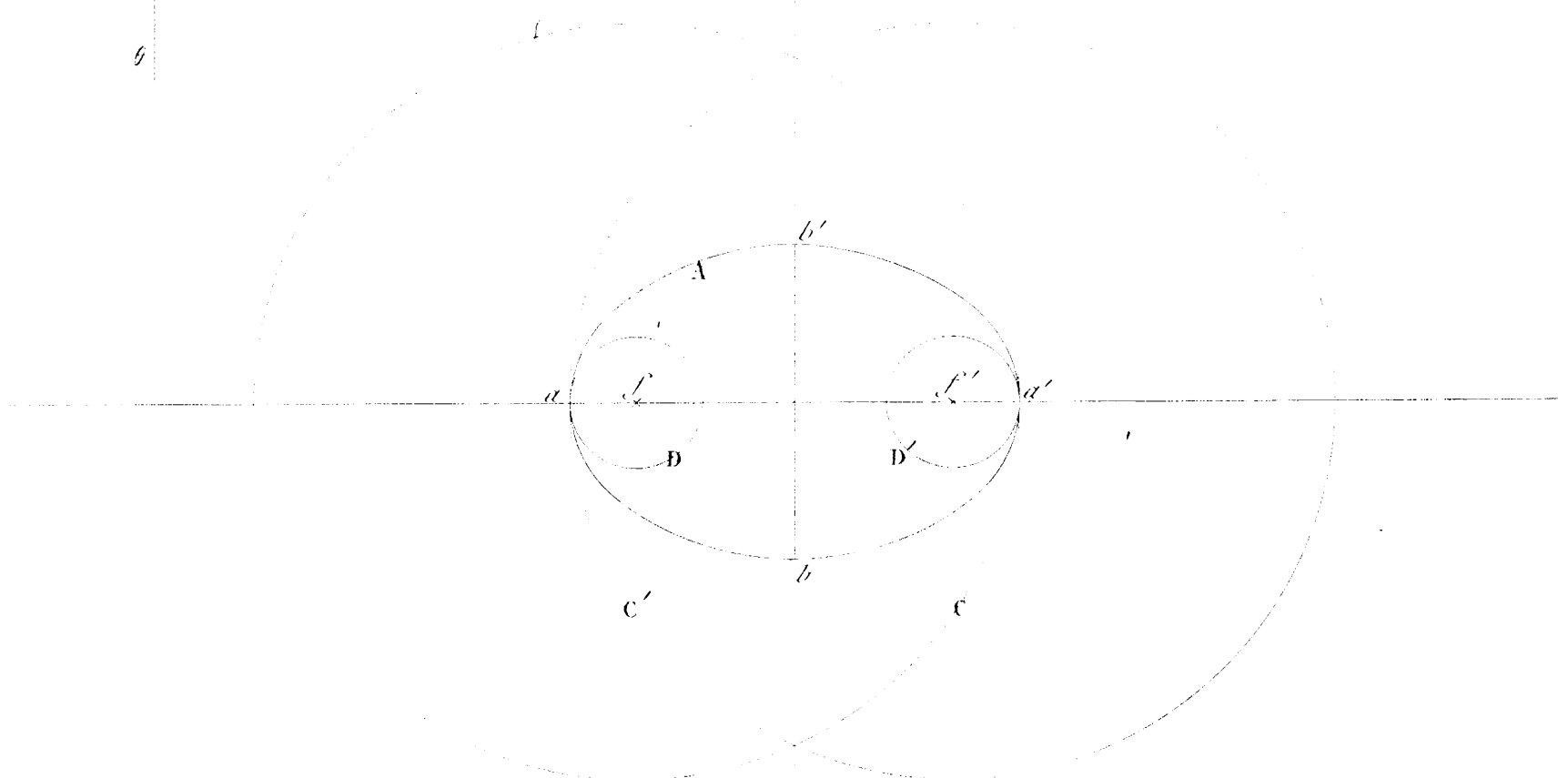


Fig. 10.

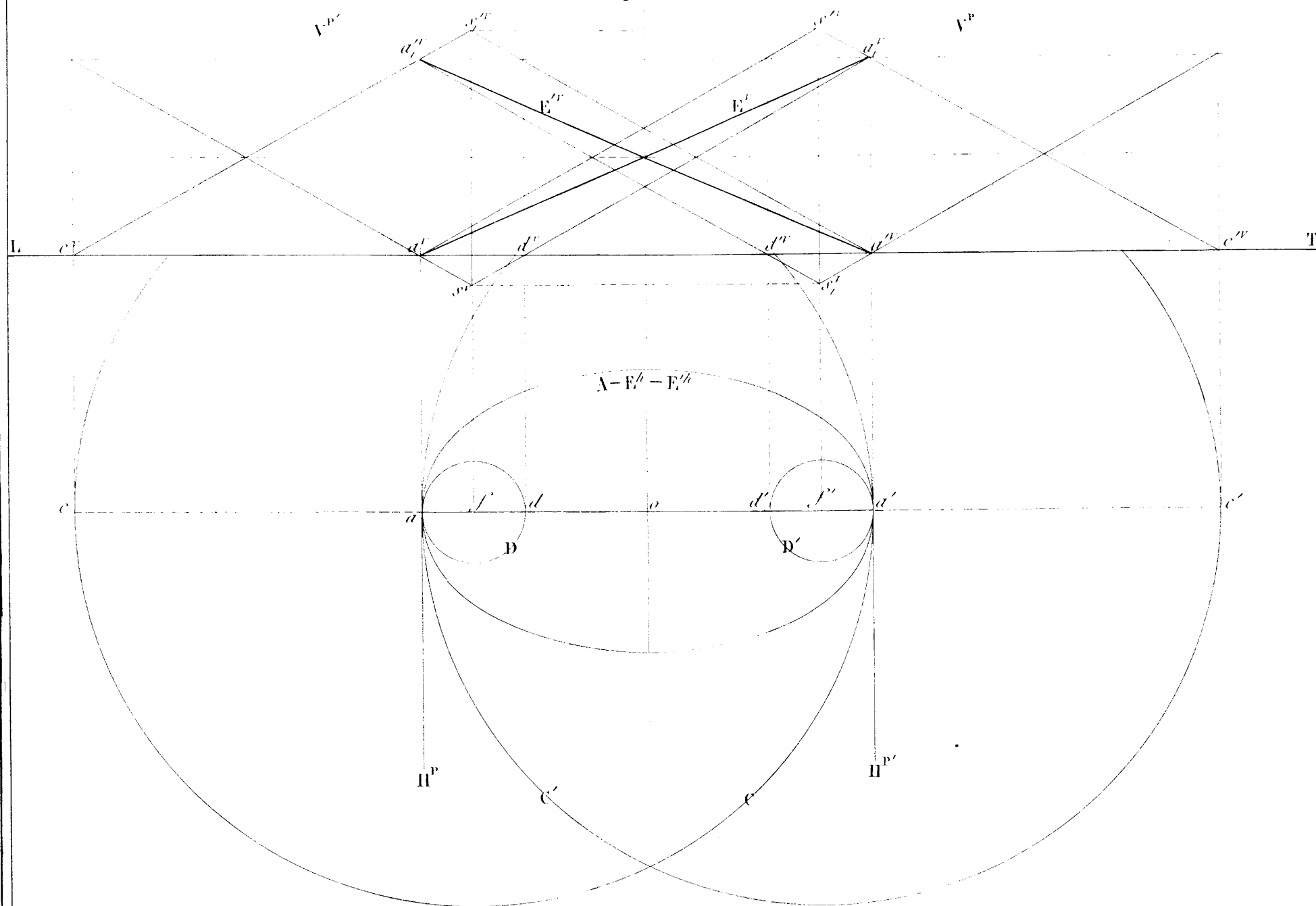


Fig. 11.

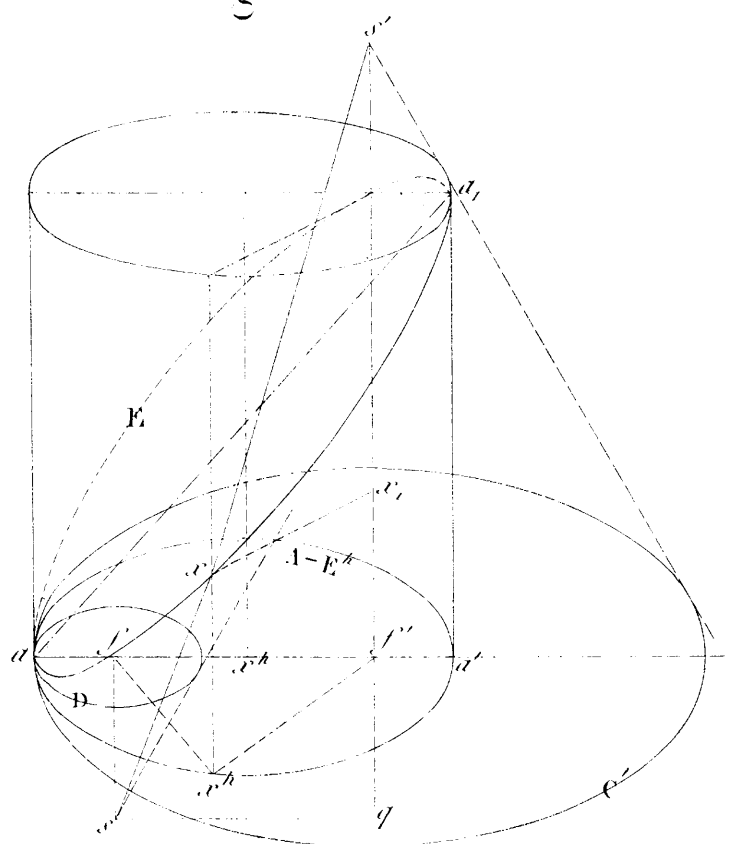


Fig. 12.

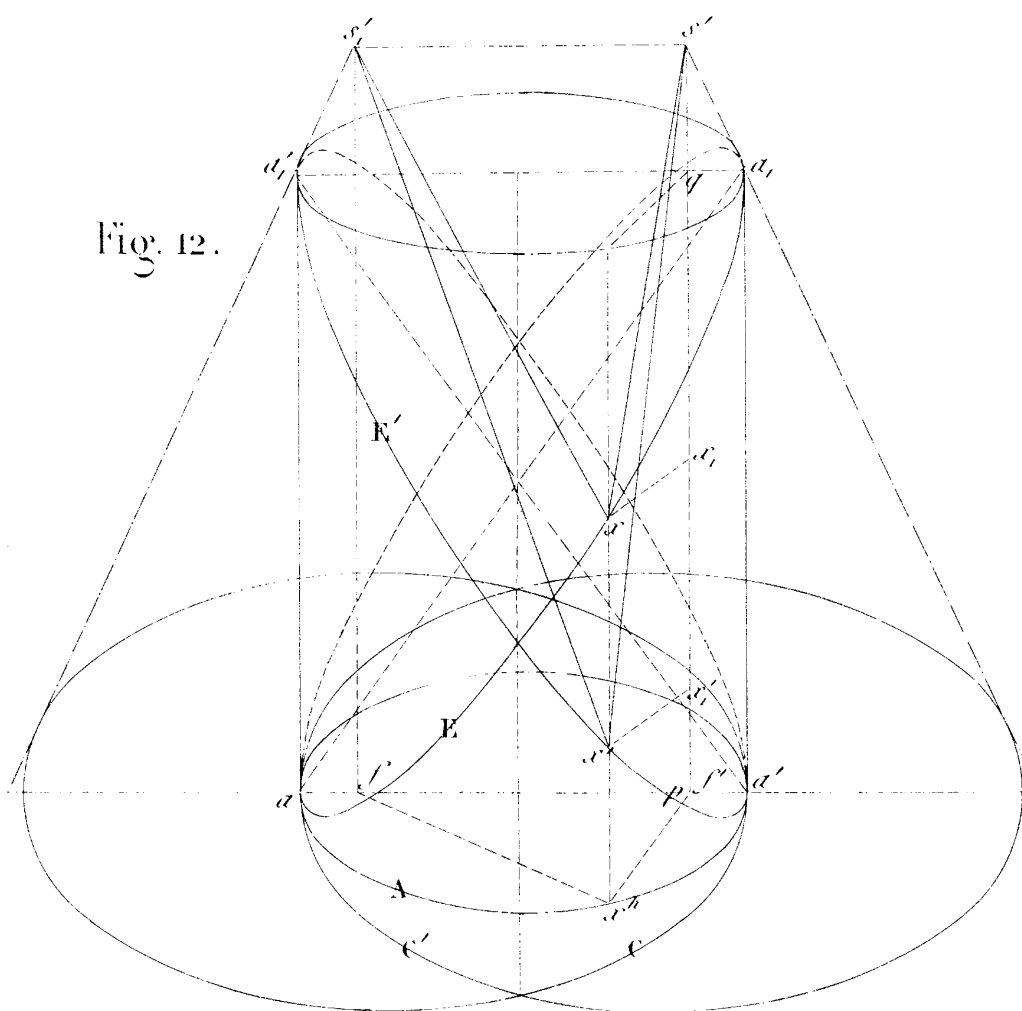


Fig. 13.

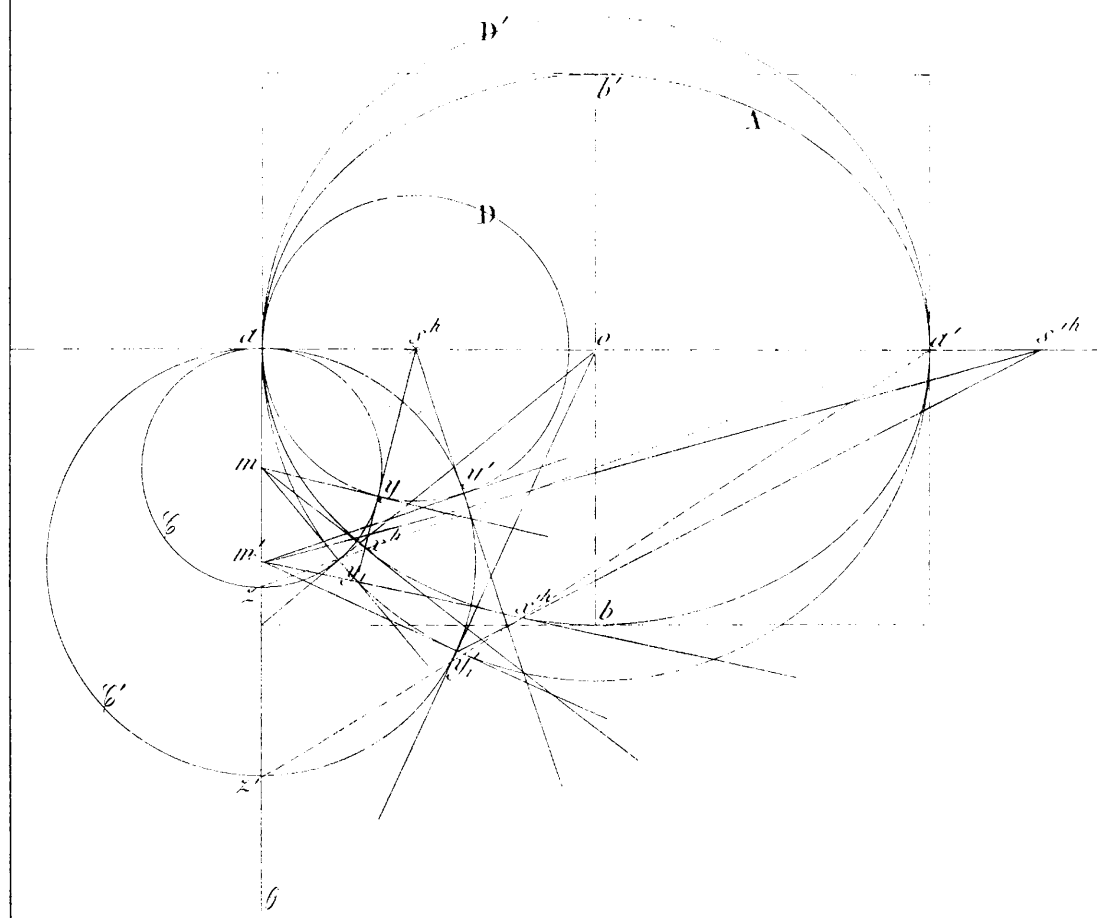
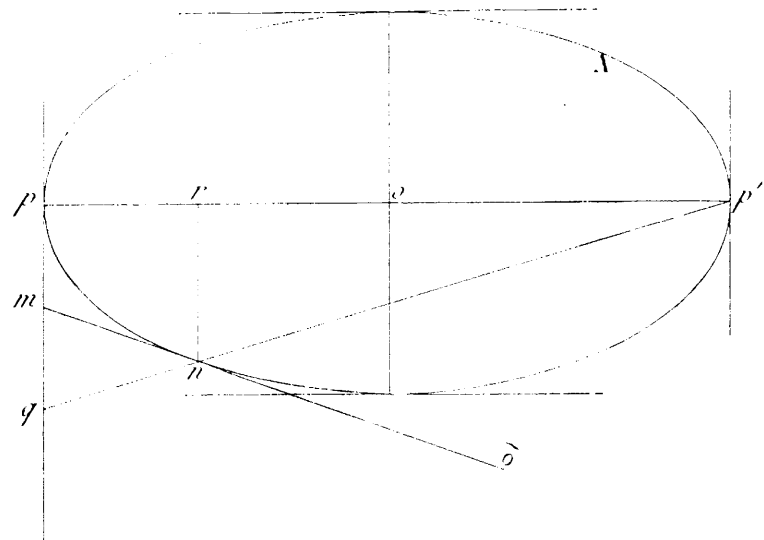
Fig. 13^{bis}.

Fig. 13.

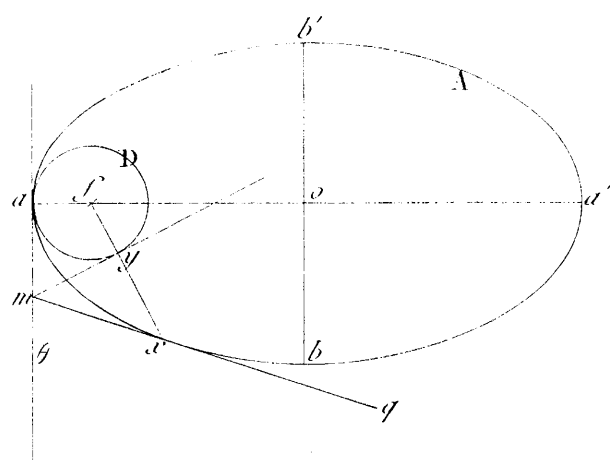


Fig. 14.

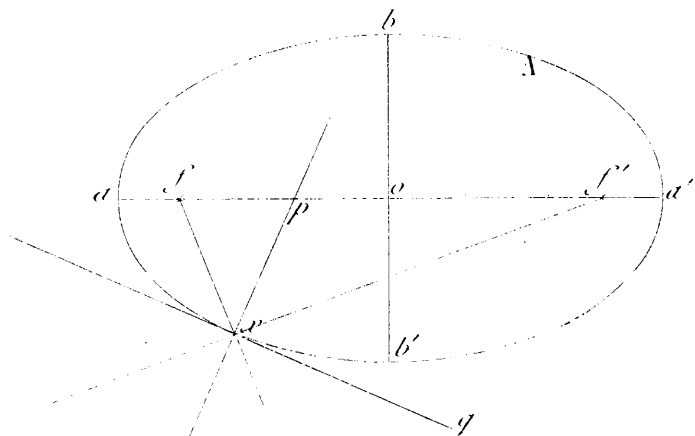


Fig. 17.

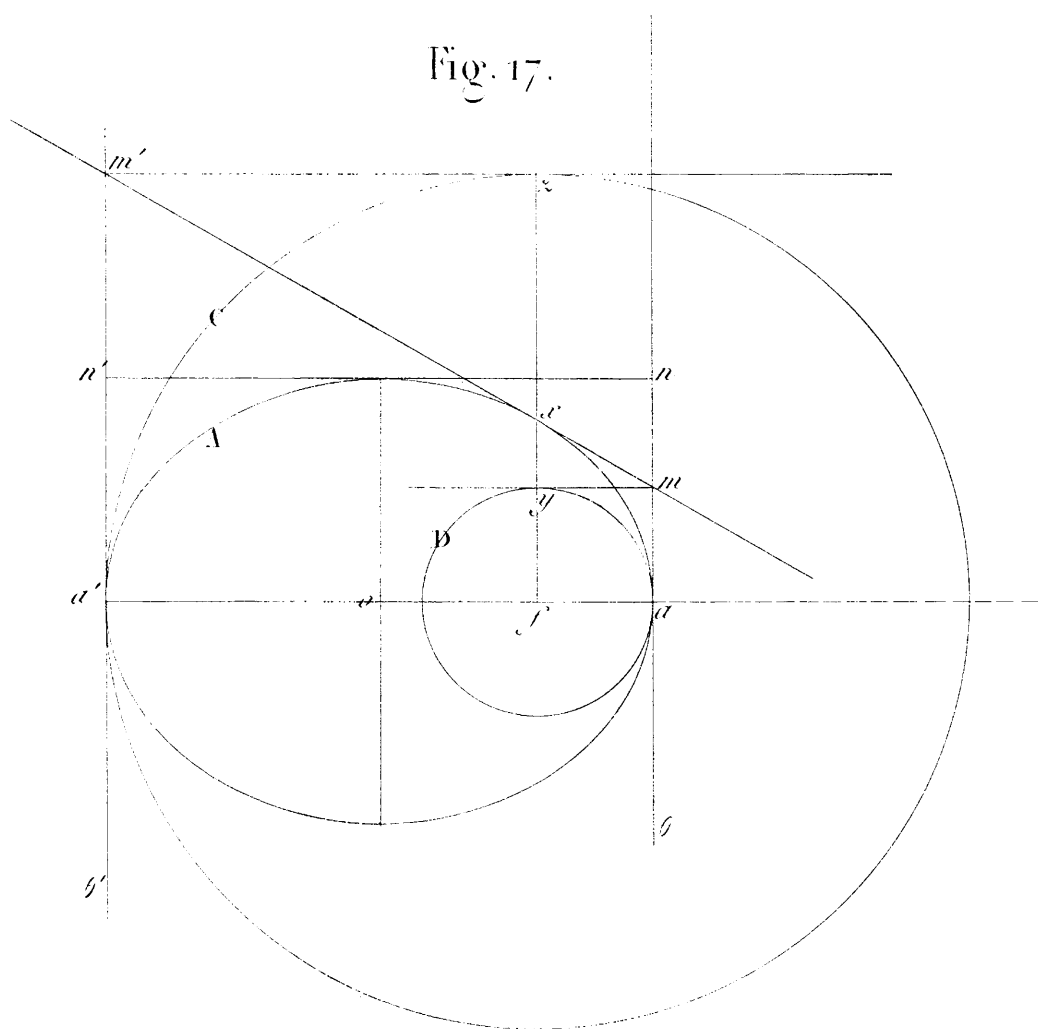


Fig. 16.

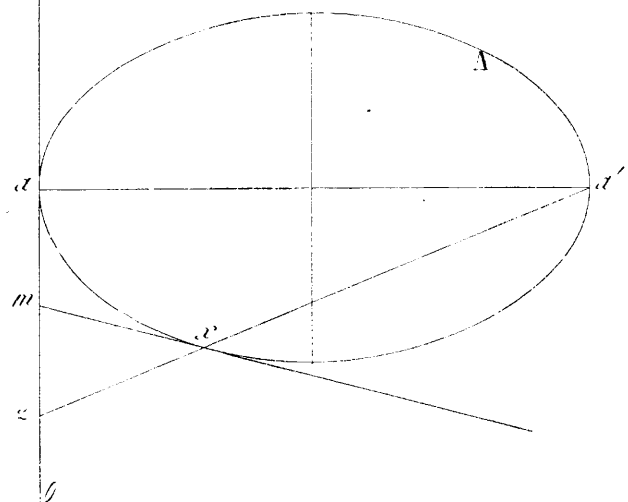


Fig. 18.

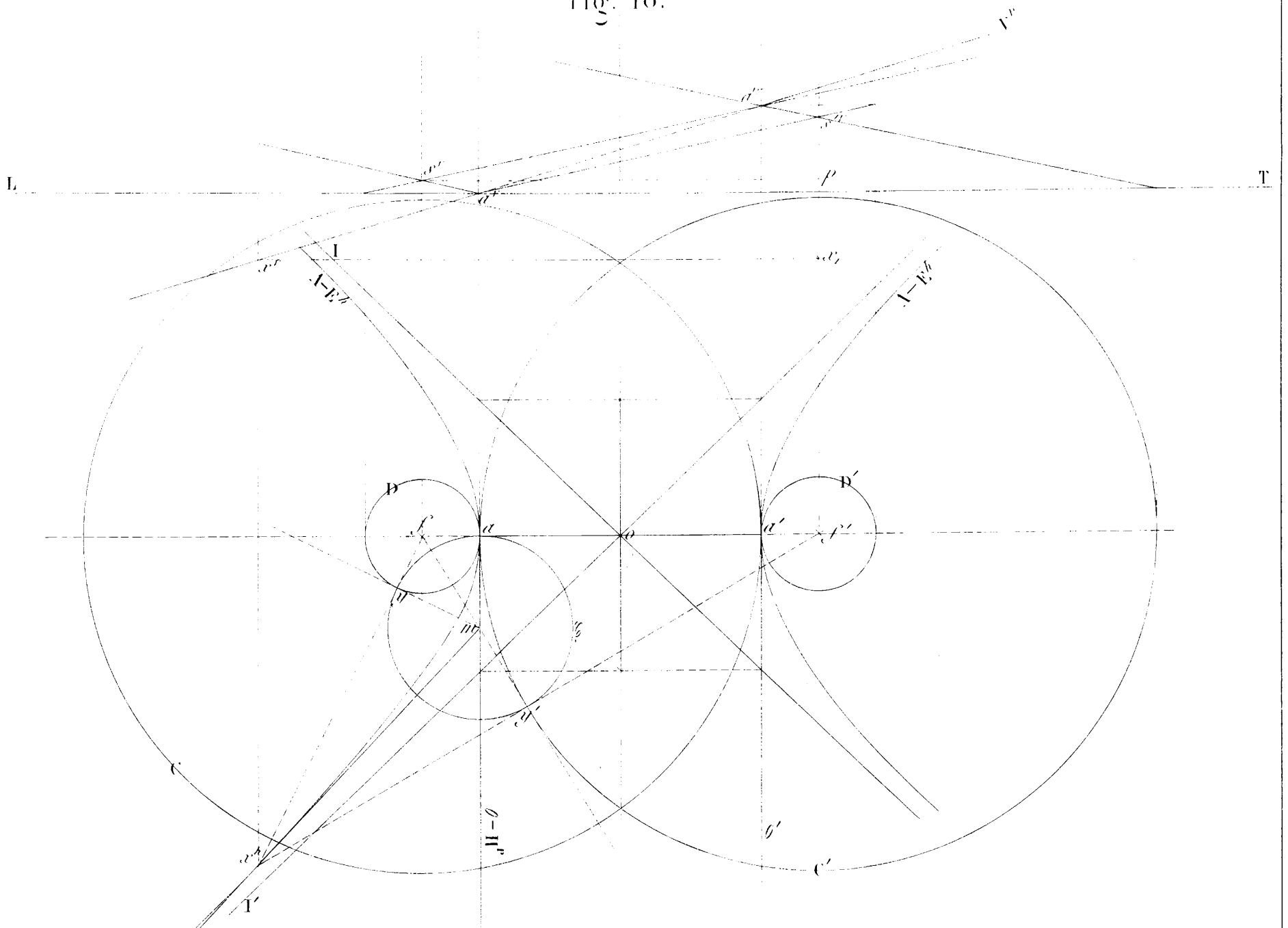


Fig. 19.

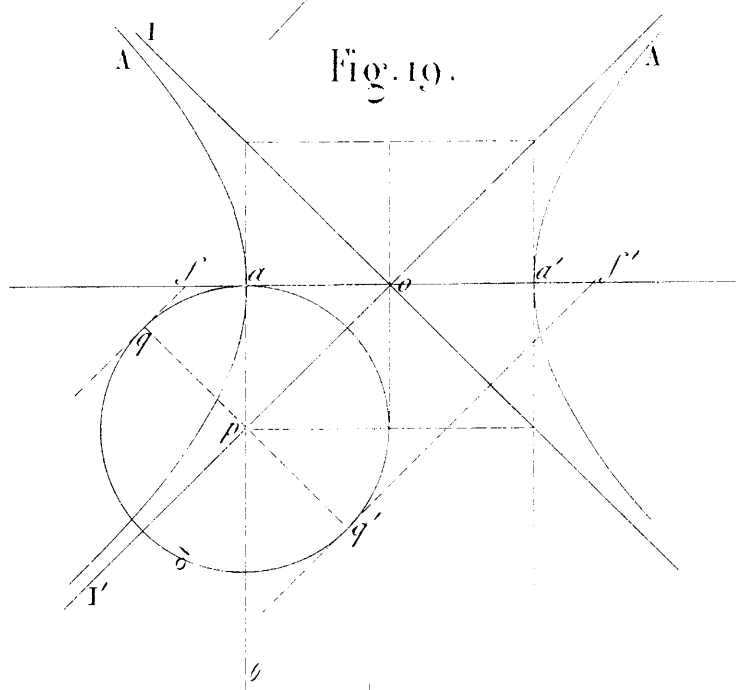


Fig. 19^{bis}.

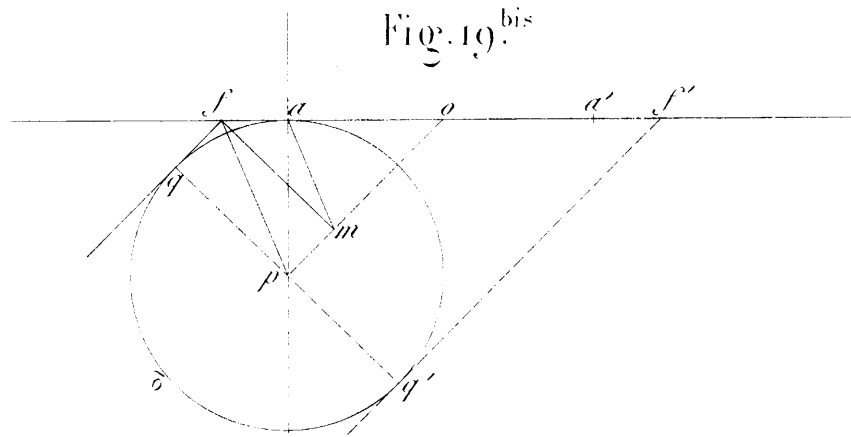


Fig. 19^{ter}.

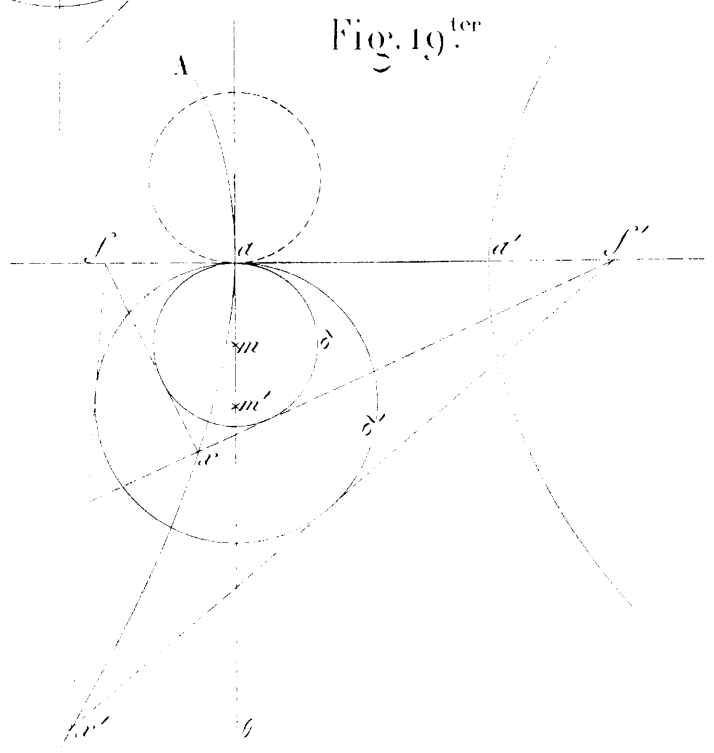
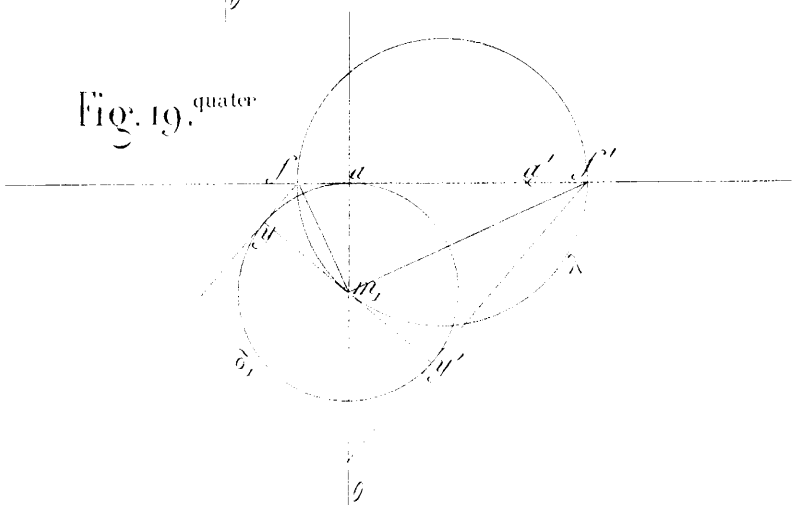


Fig. 19^{quater}.



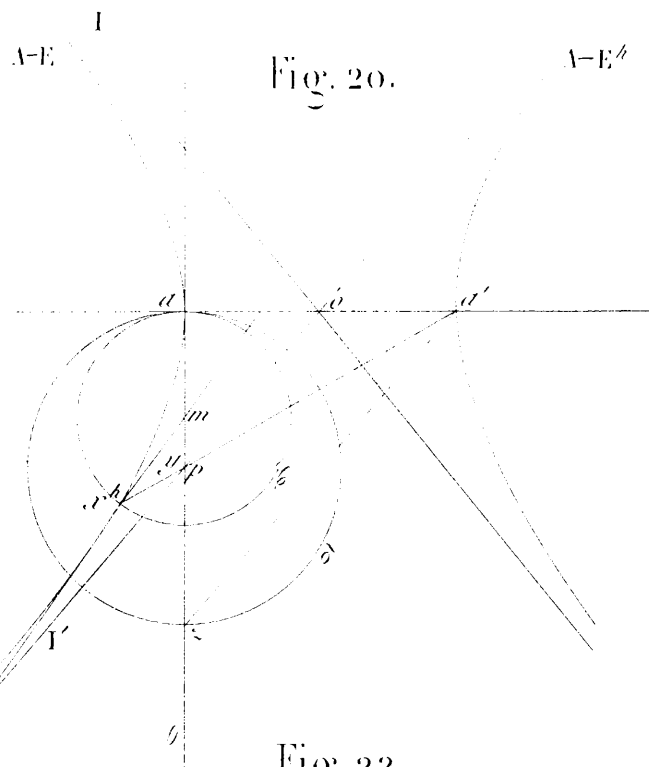


Fig. 20.

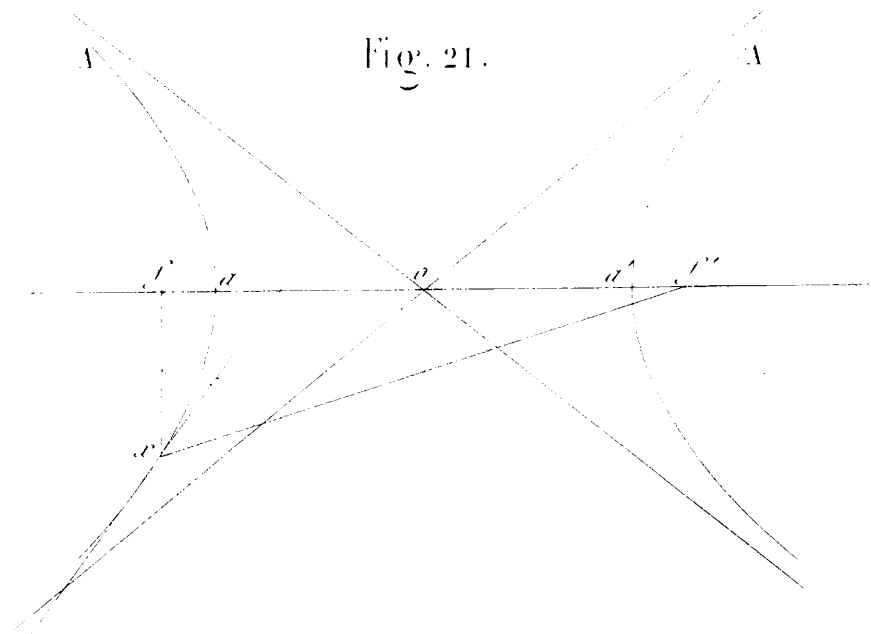


Fig. 21.

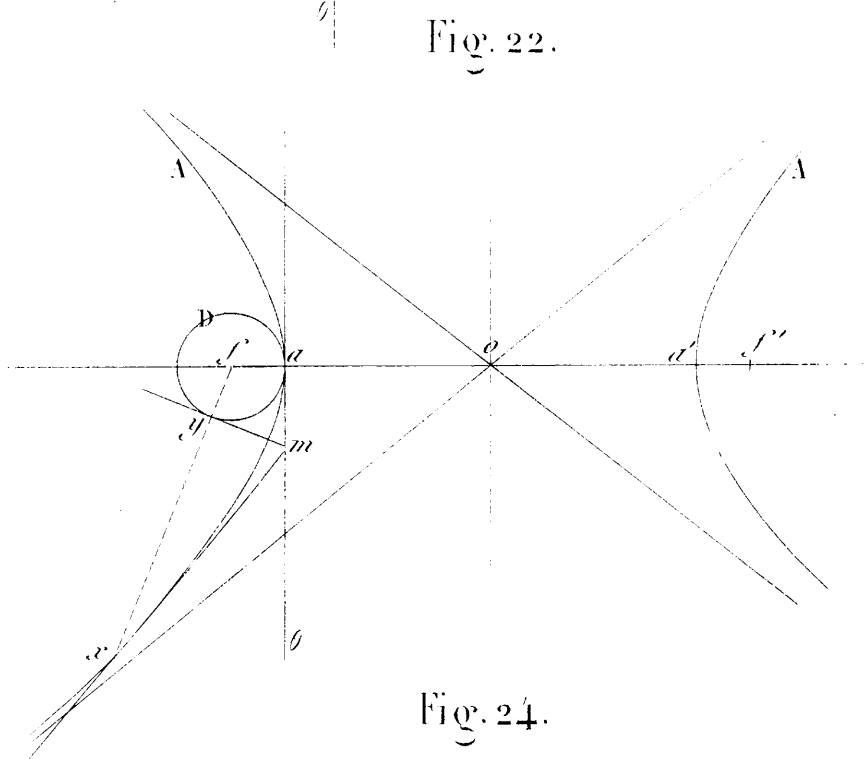


Fig. 22.

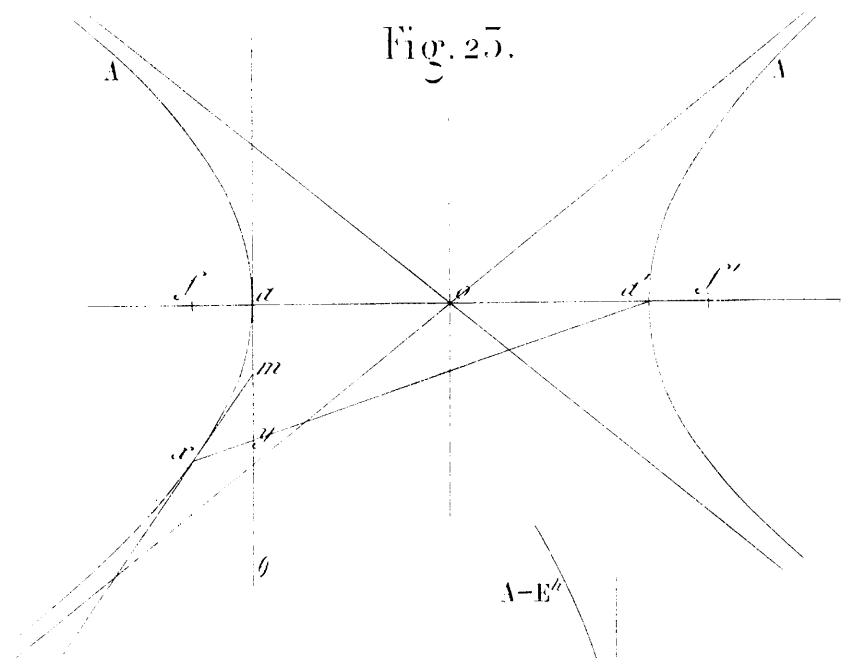


Fig. 23.

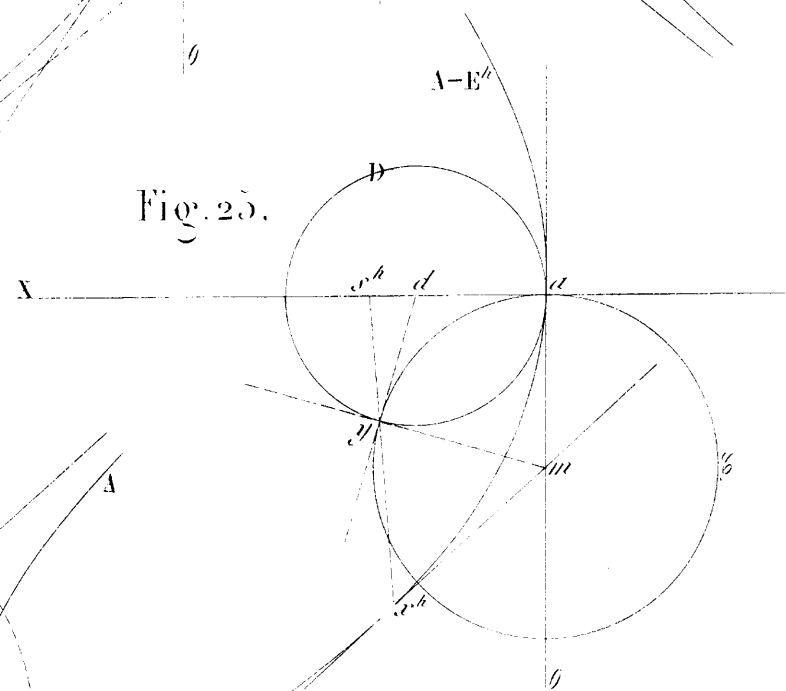


Fig. 24.

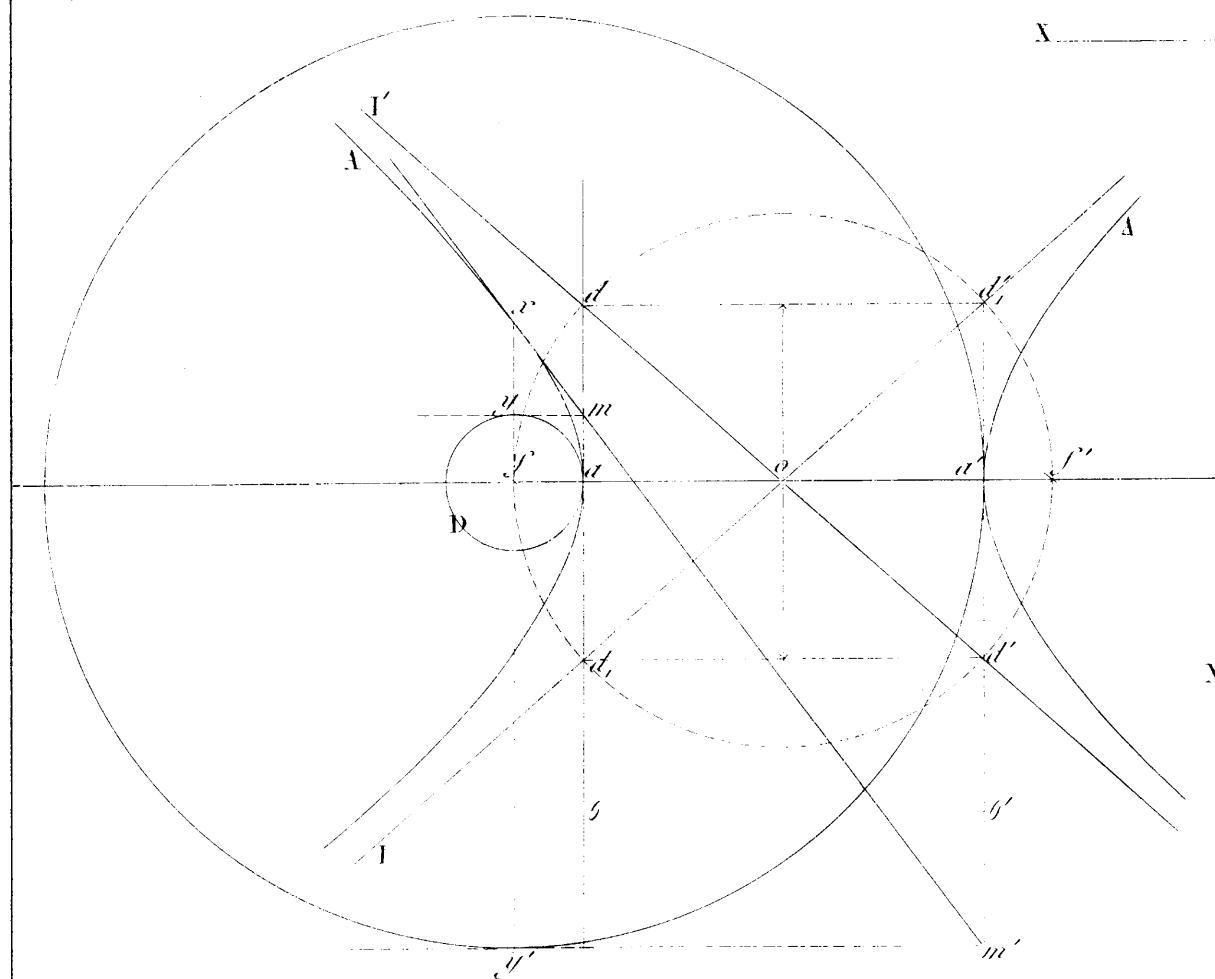


Fig. 25.

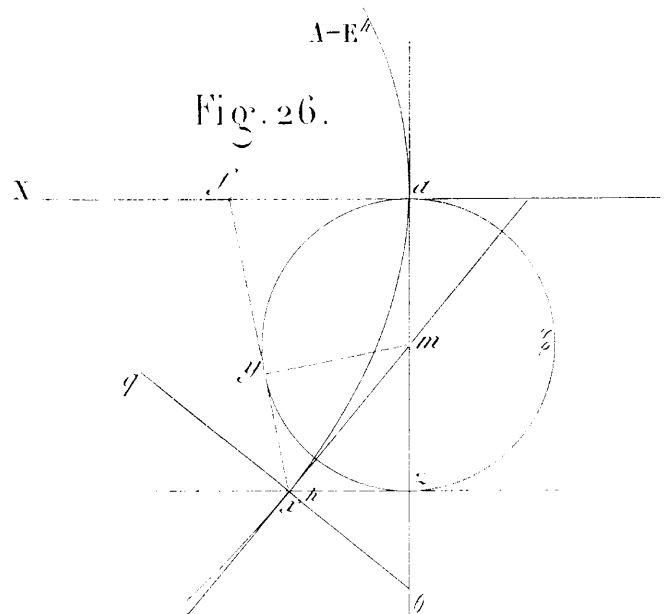


Fig. 26.

Fig. 27.

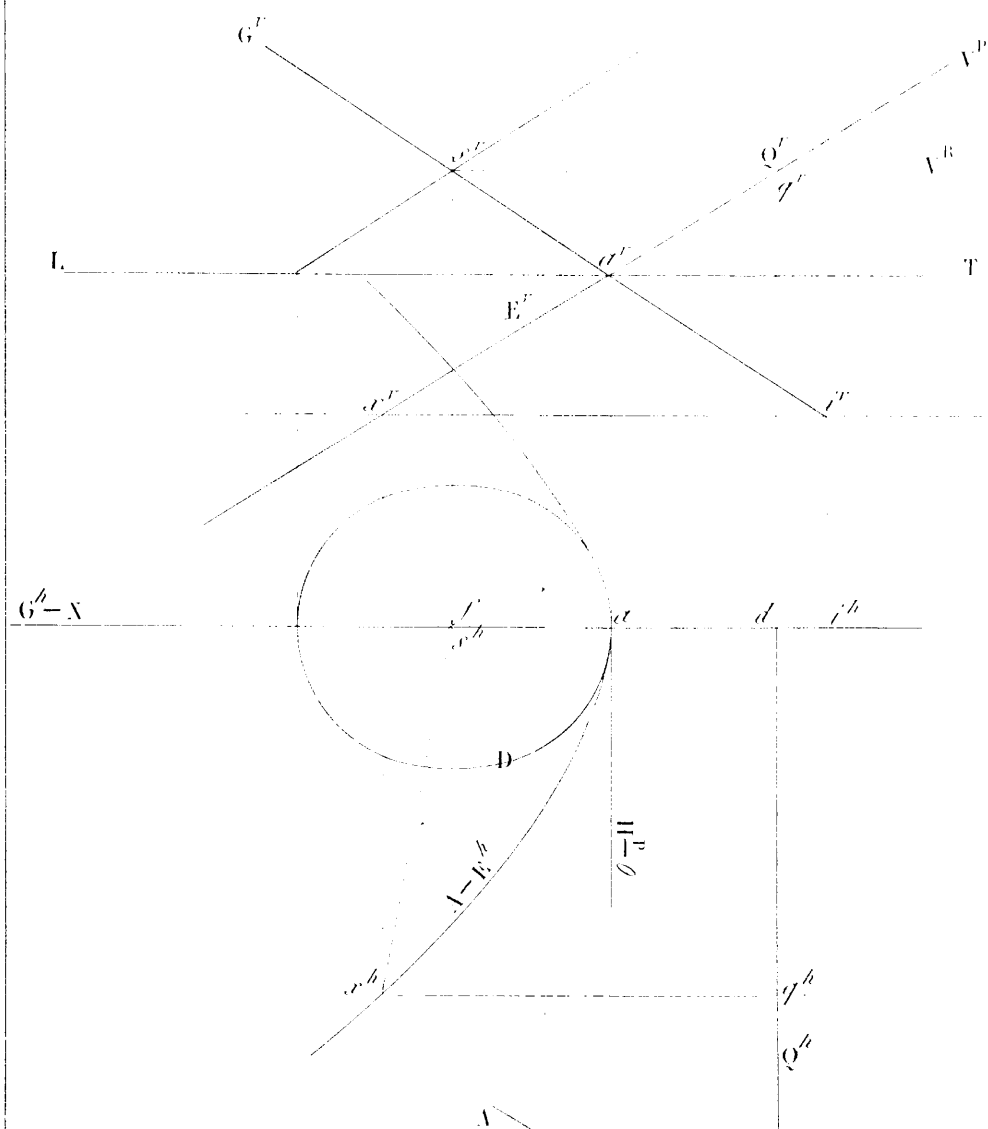


Fig. 28.

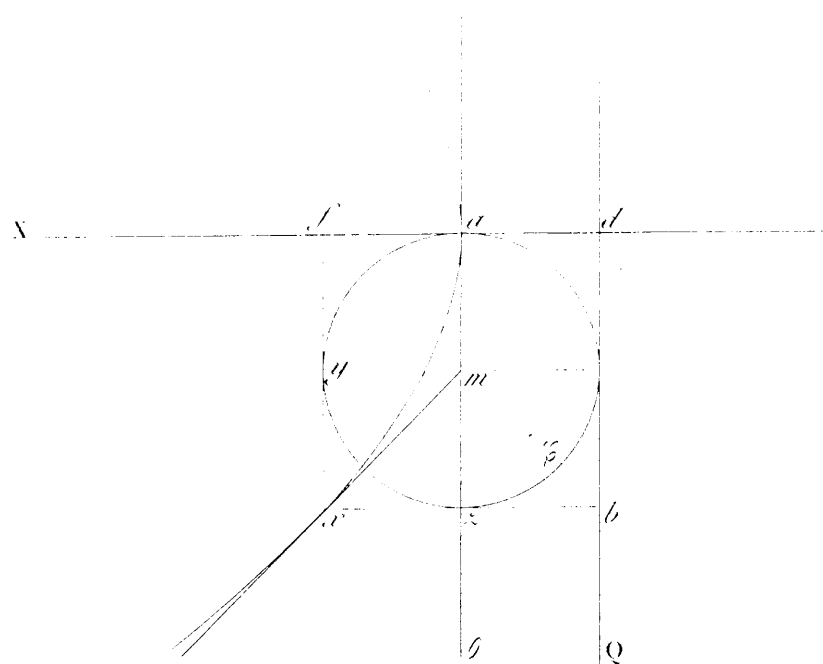


Fig. 29.

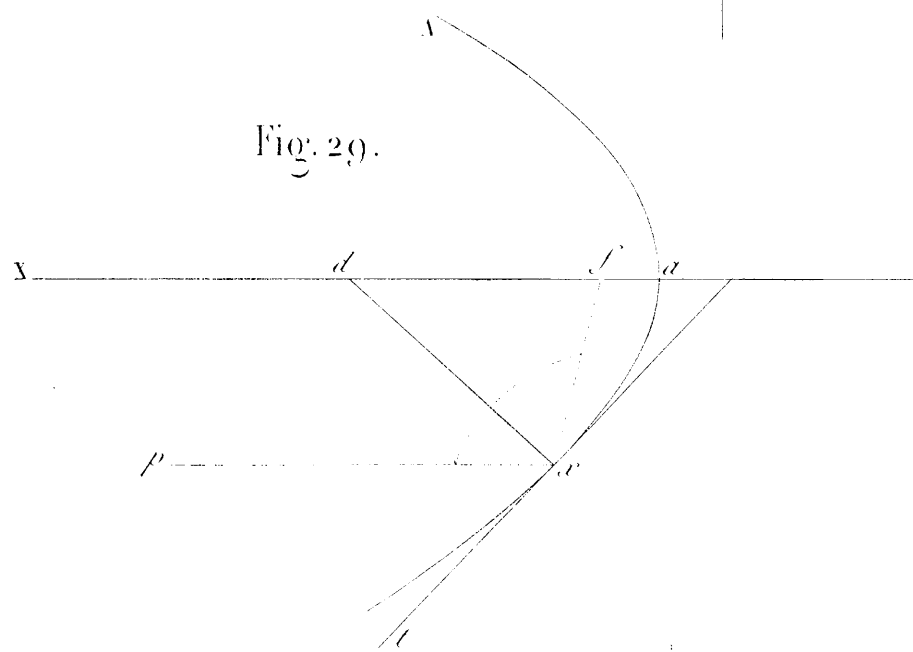


Fig. 28^{bis}.

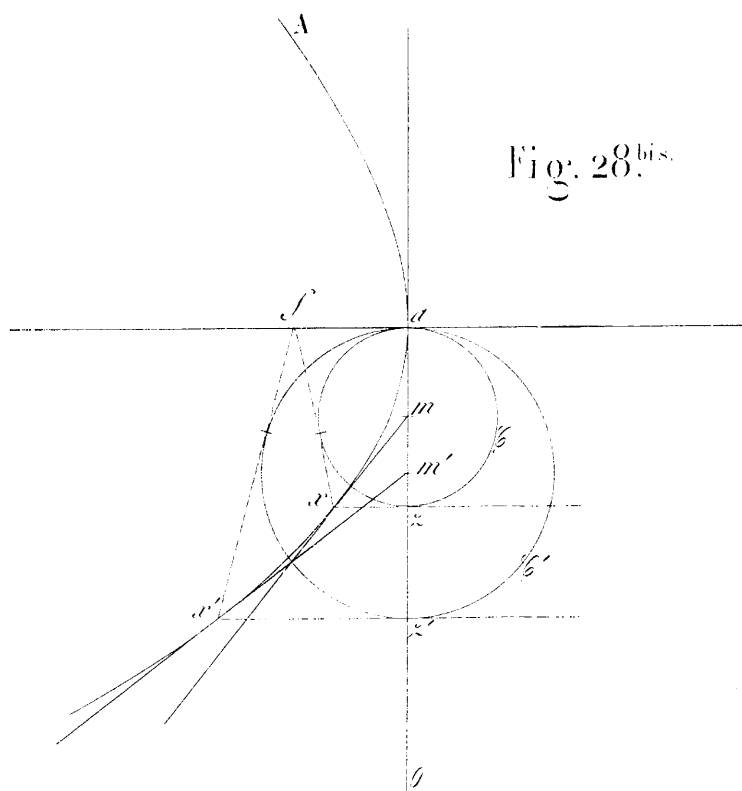


Fig. 30.

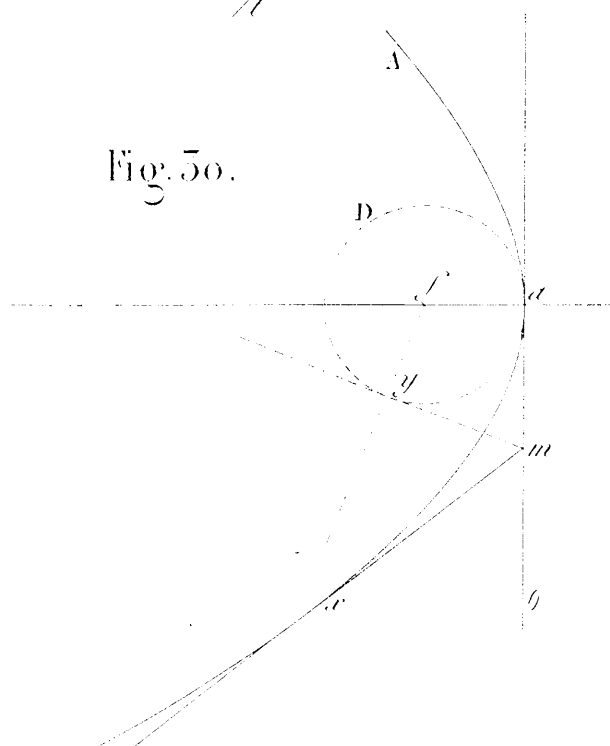
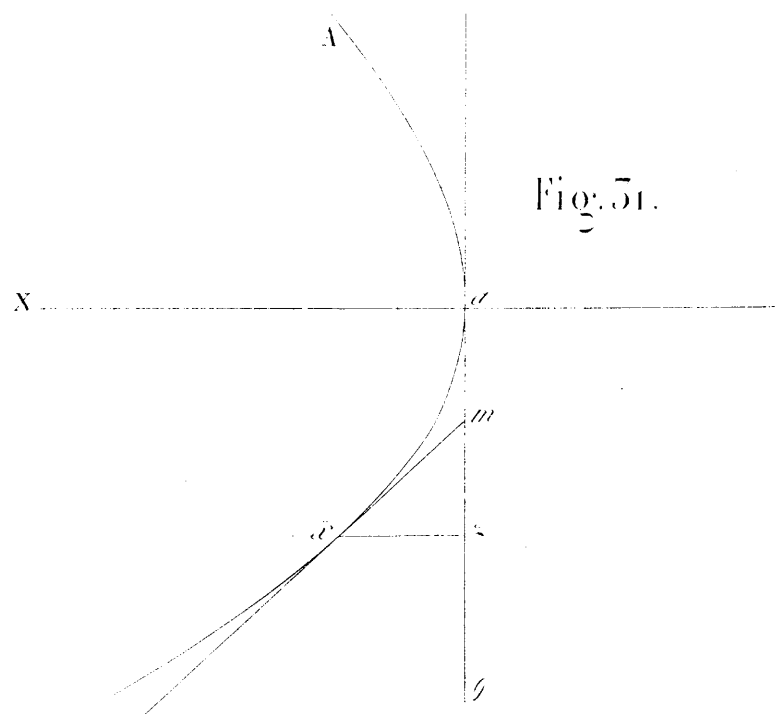
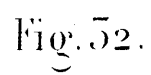
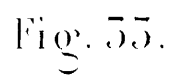


Fig. 31.





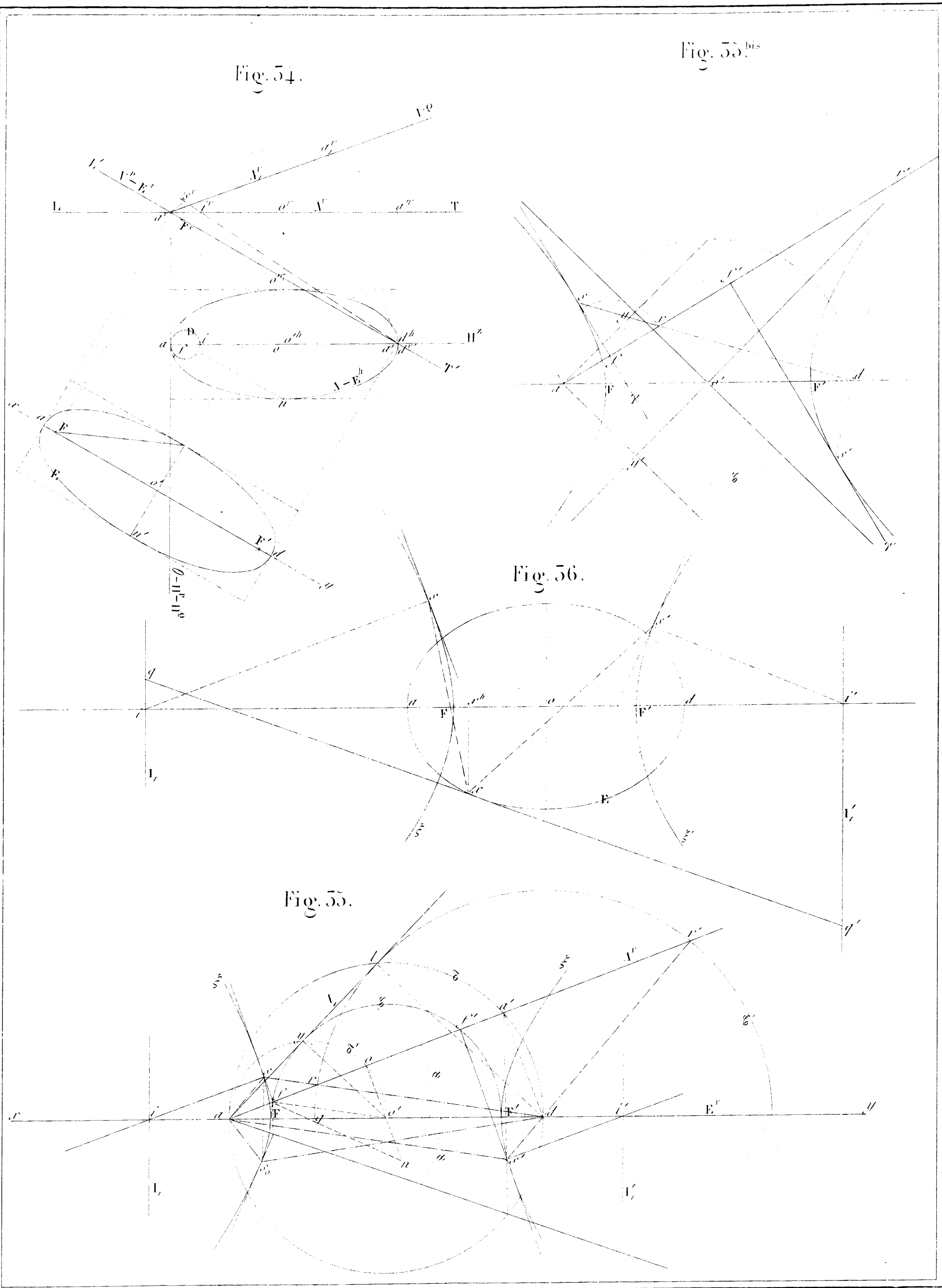


Fig. 57.

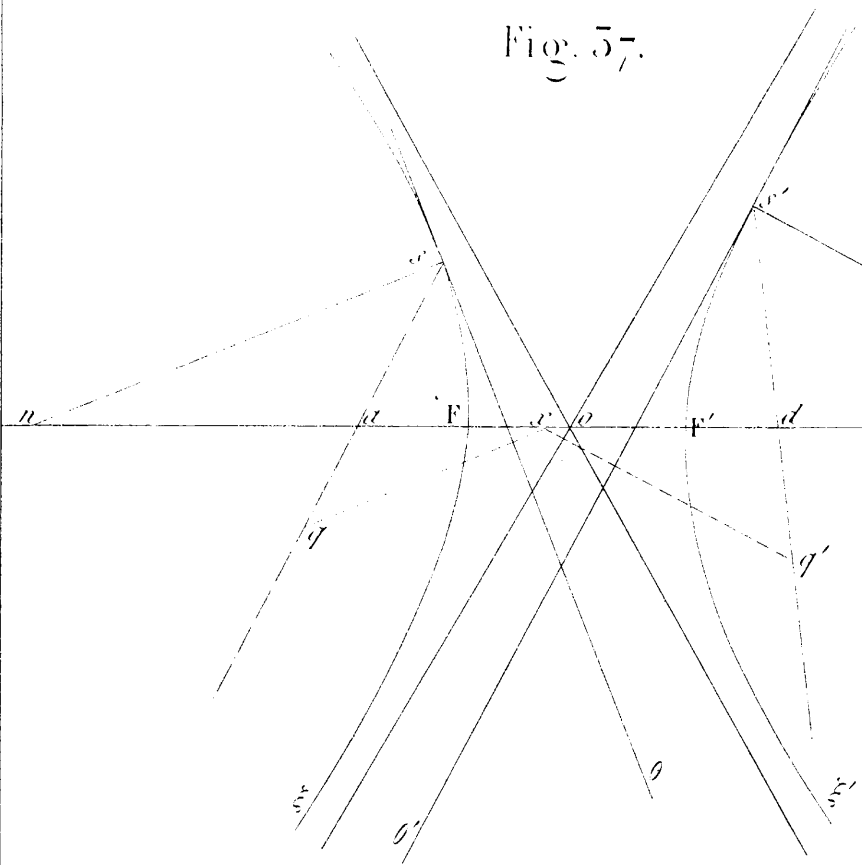


Fig. 58.

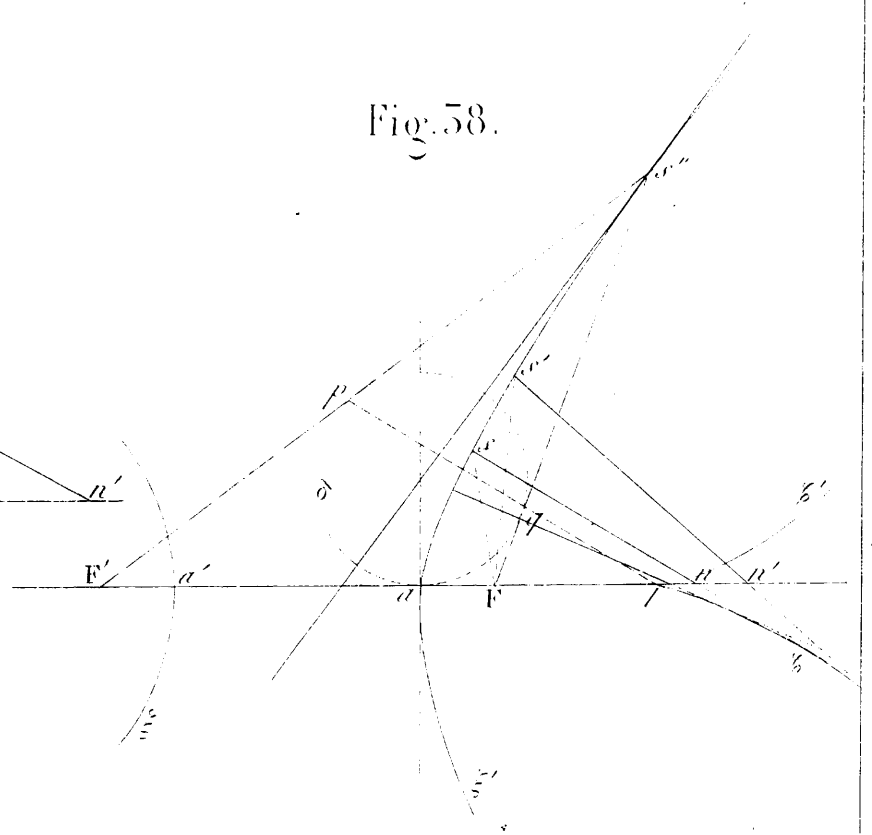


Fig. 59.

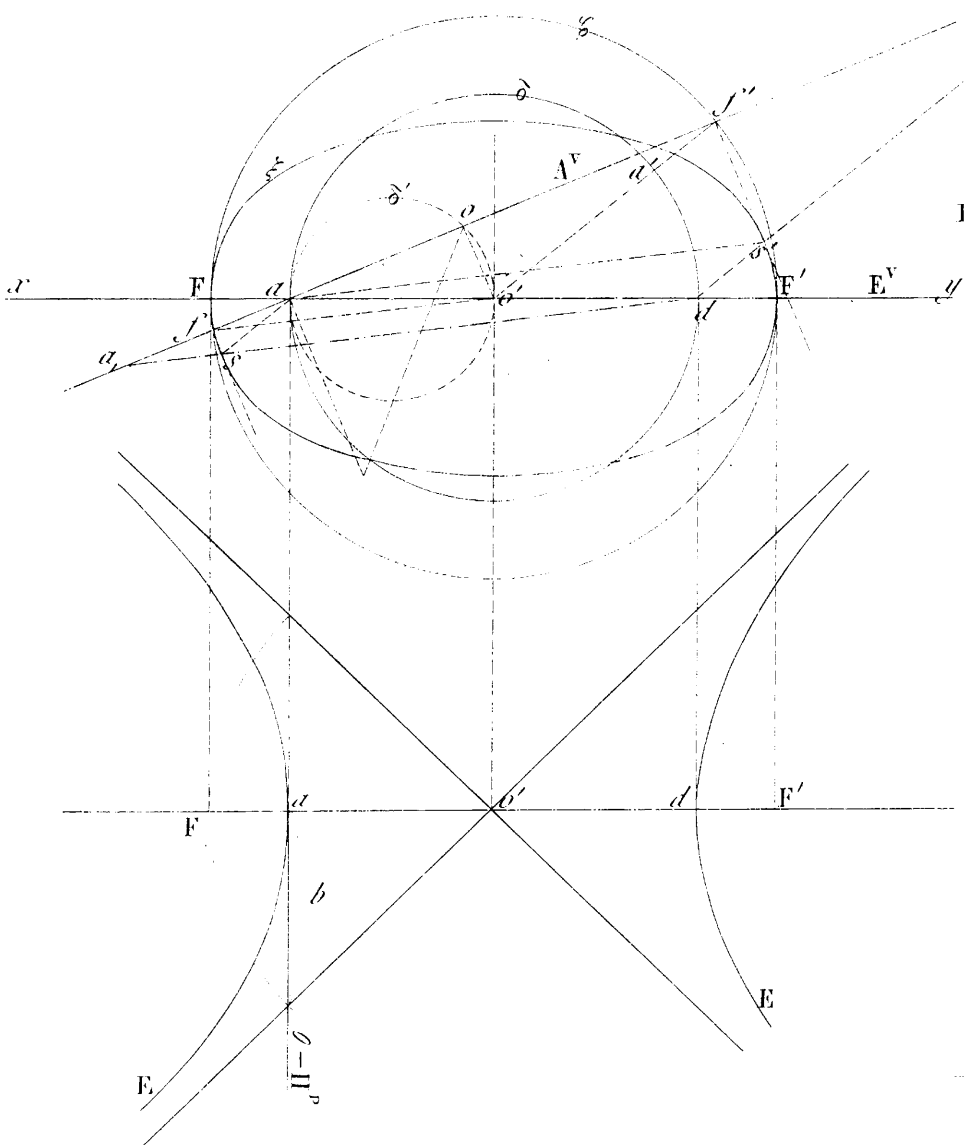
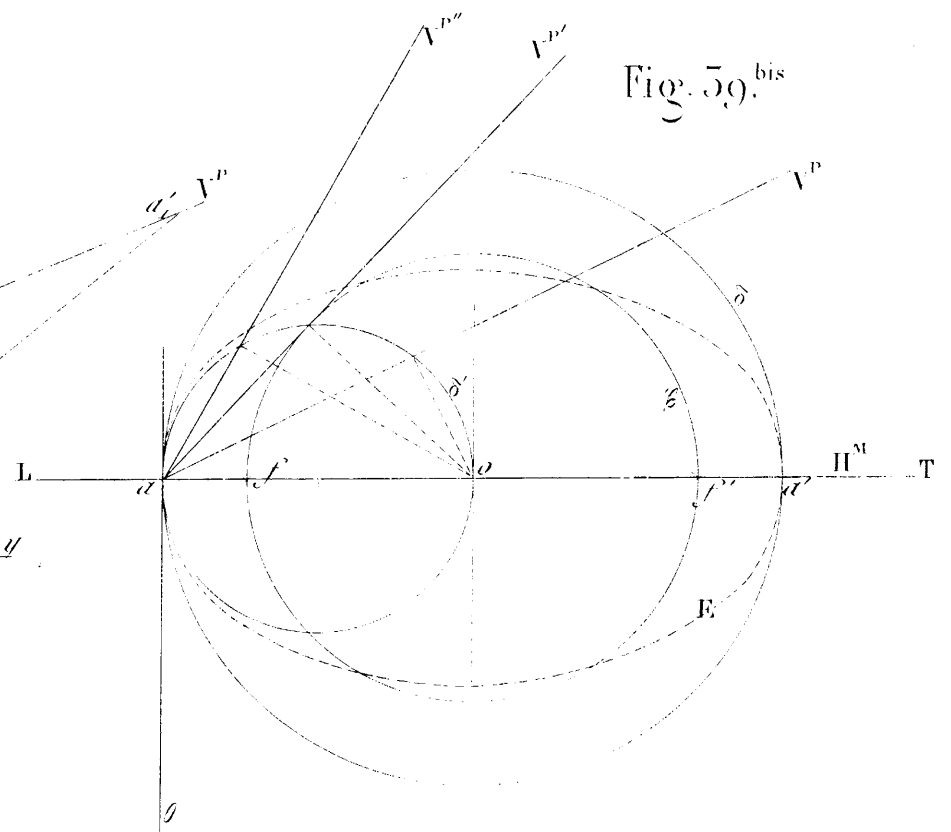
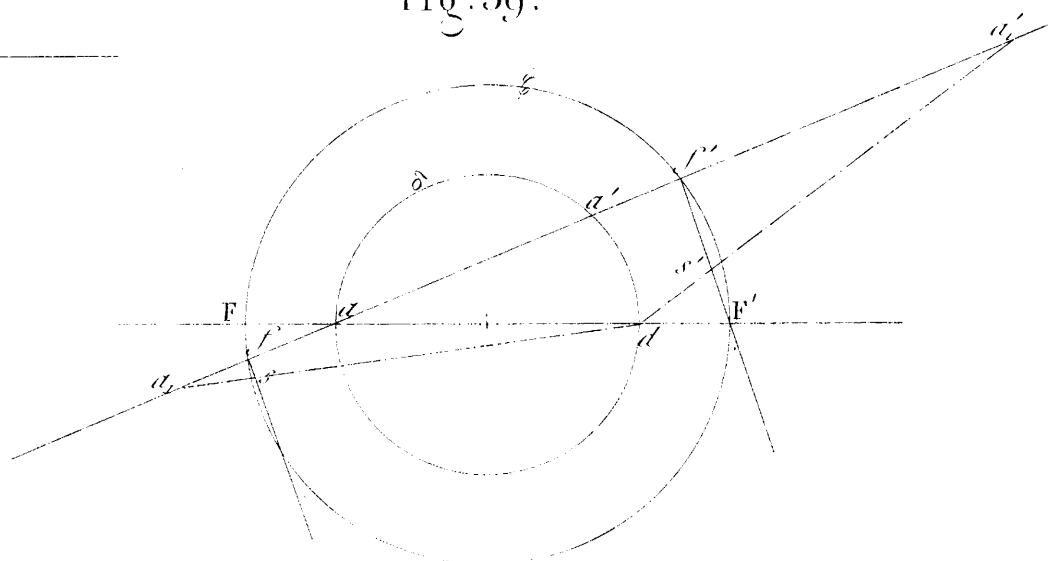
Fig. 59.^{bis}Fig. 59.^{ter}

Fig. 40.

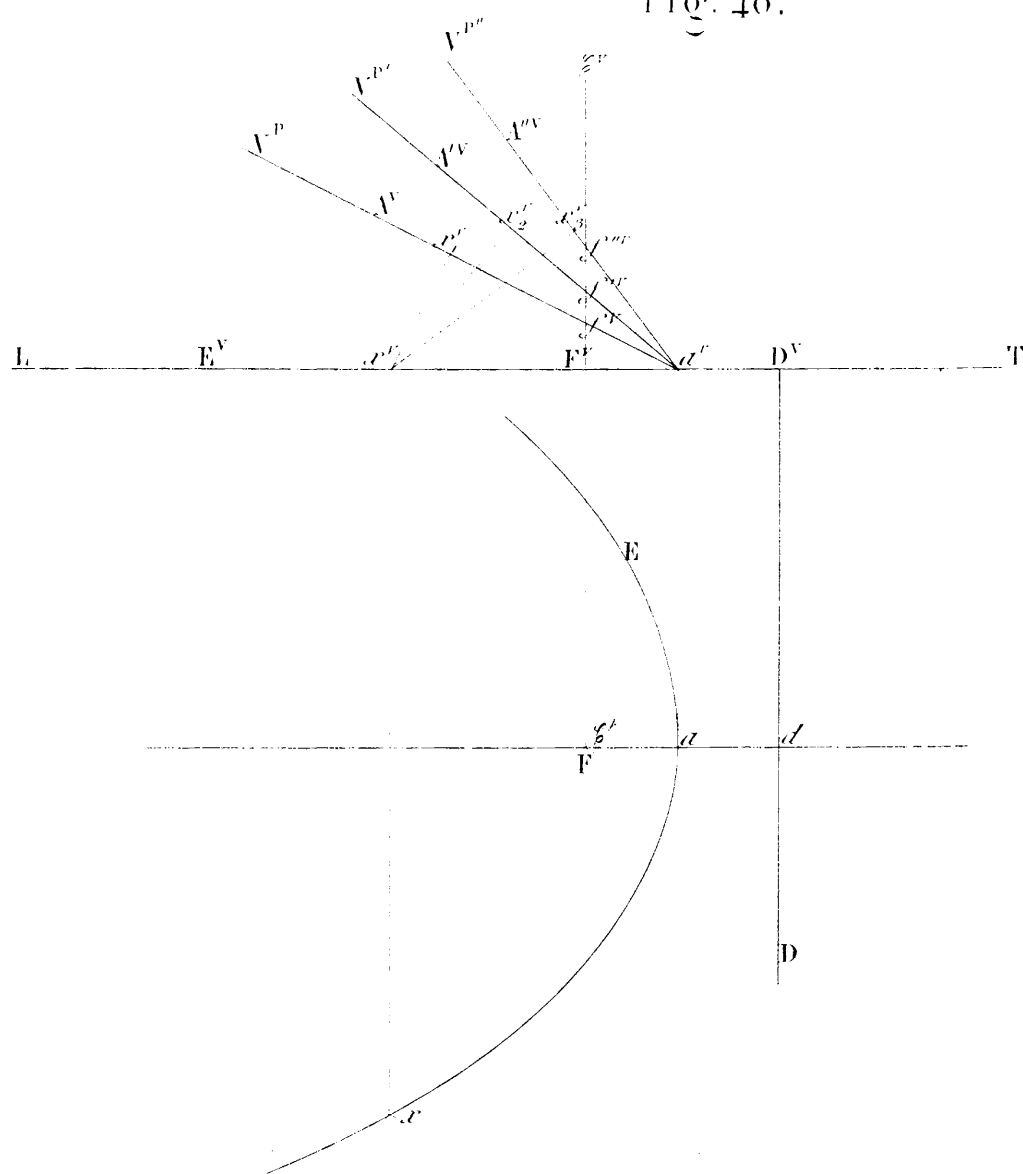


Fig. 41.

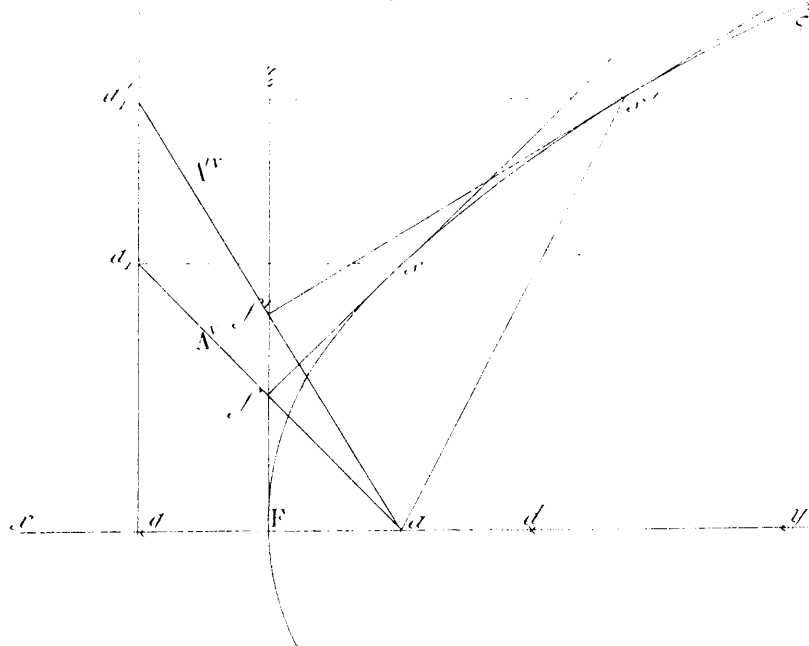


Fig. 45.

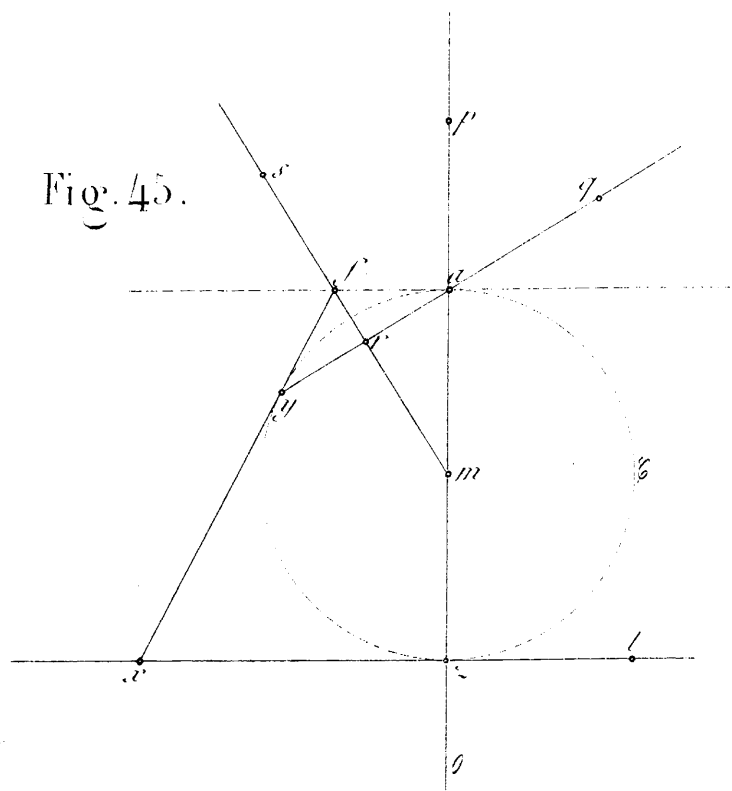


Fig. 43.

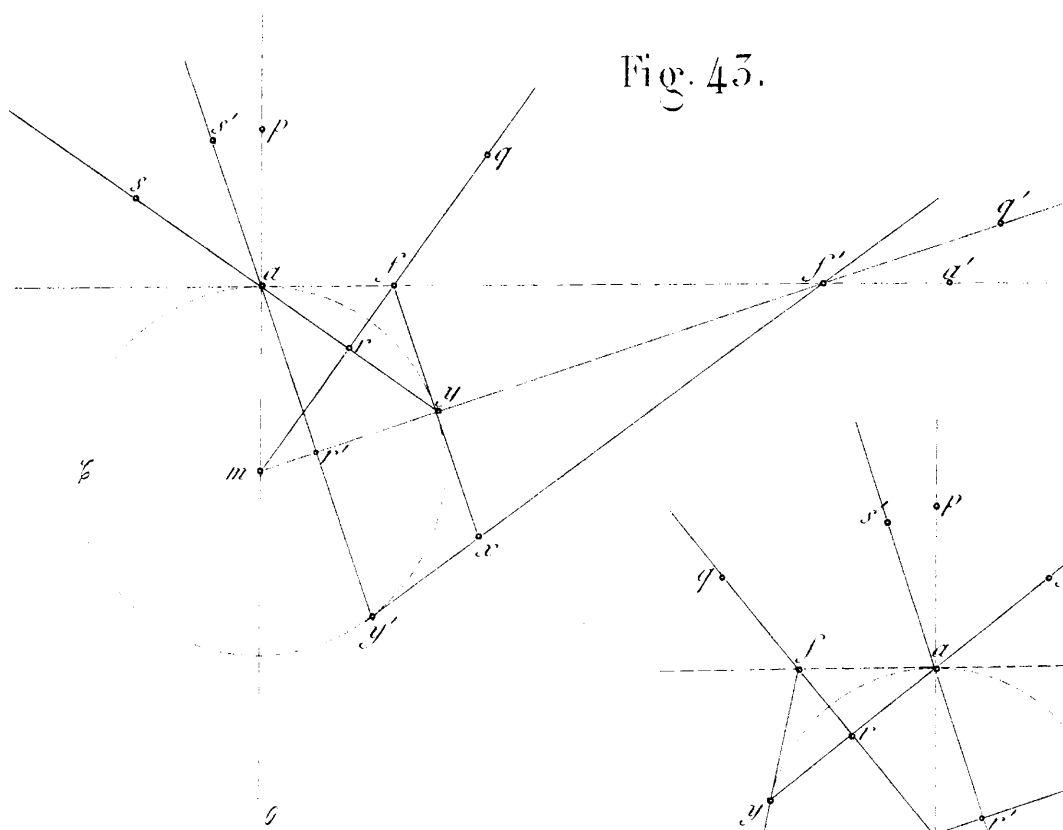


Fig. 44.

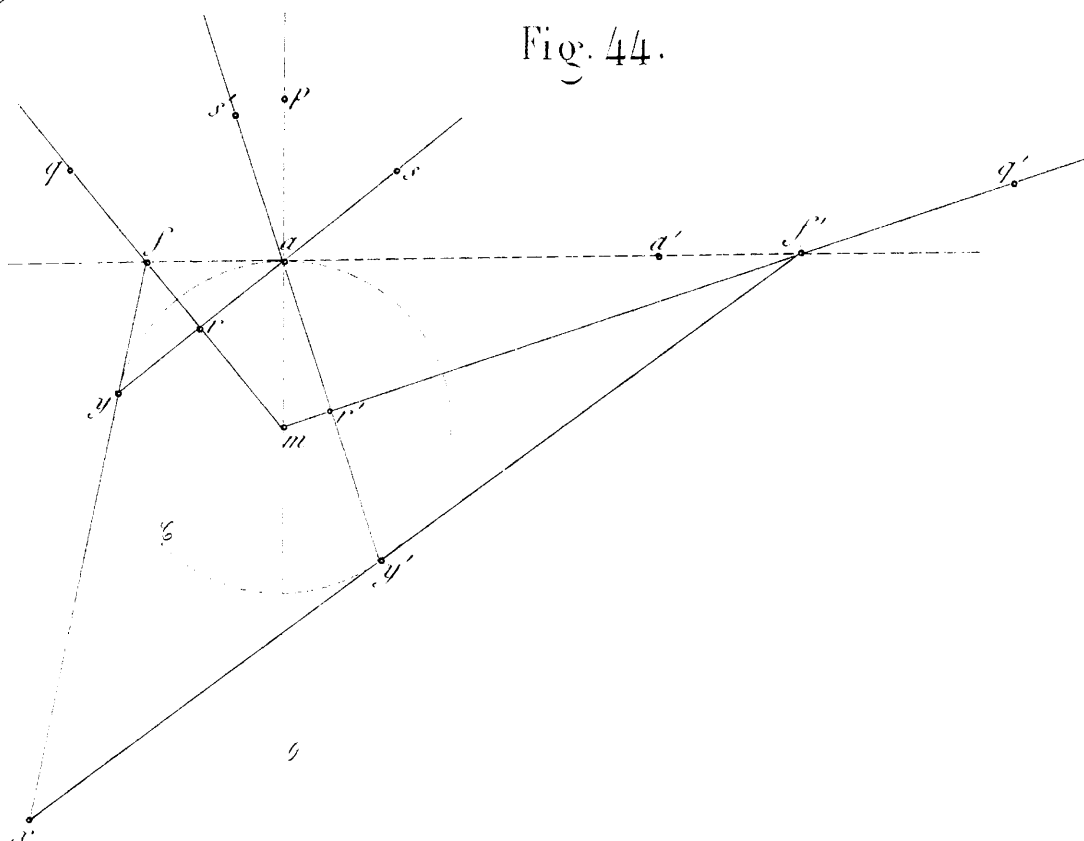


Fig. 42.

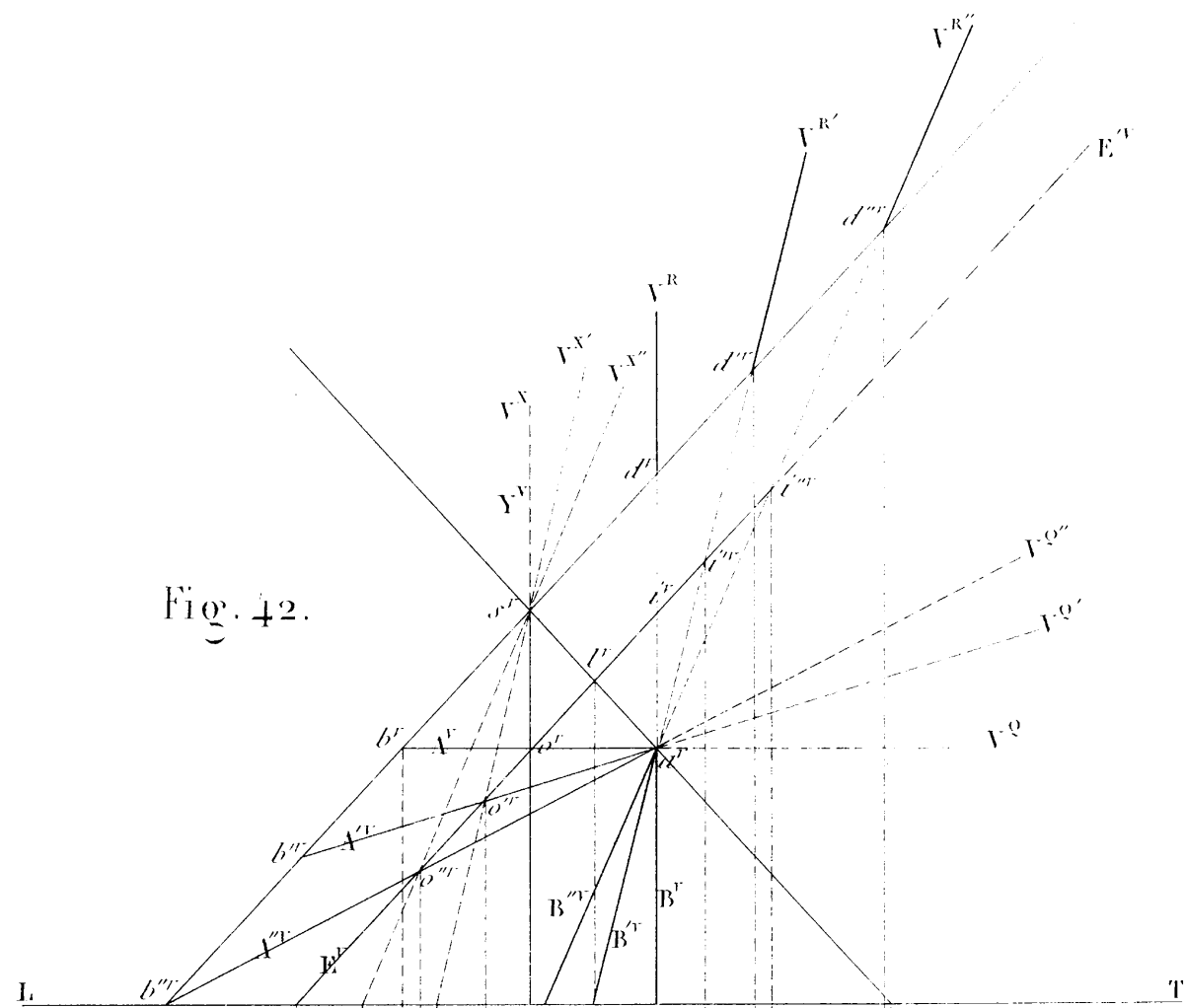


Fig. 42^{bis}

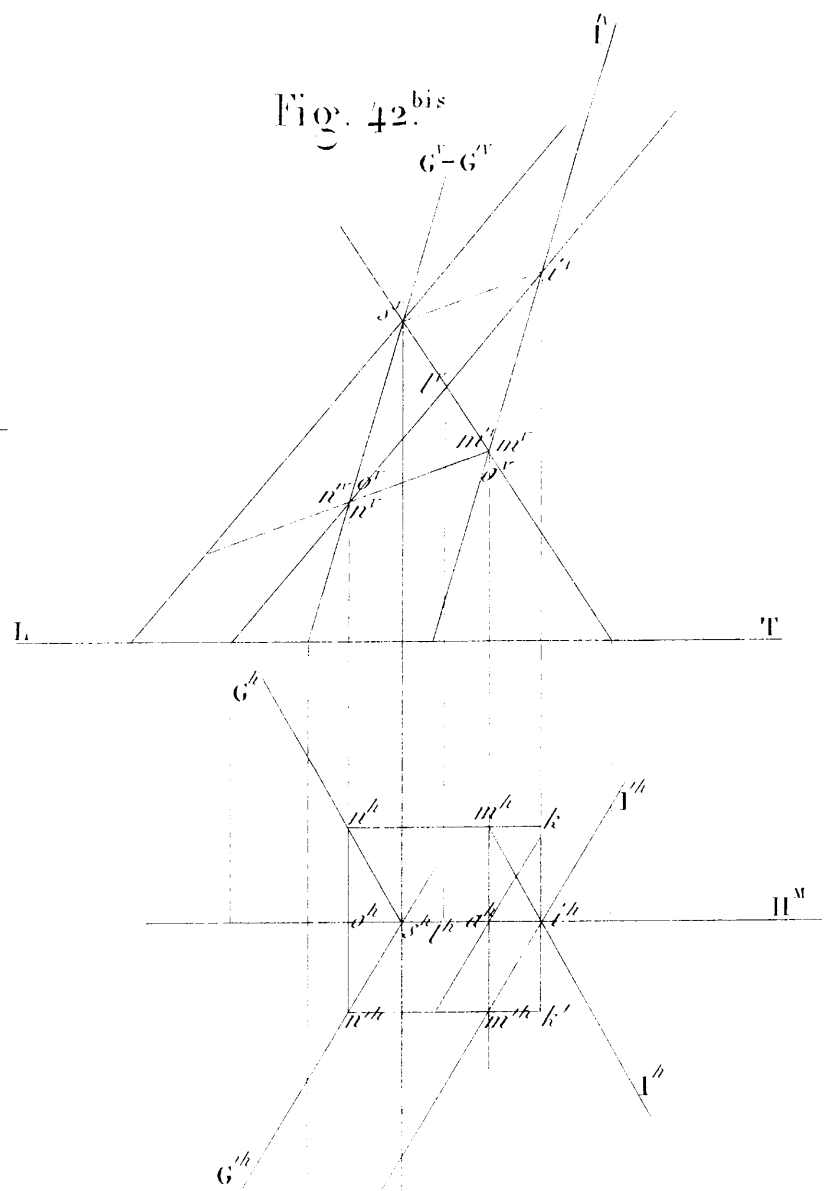


Fig. a.

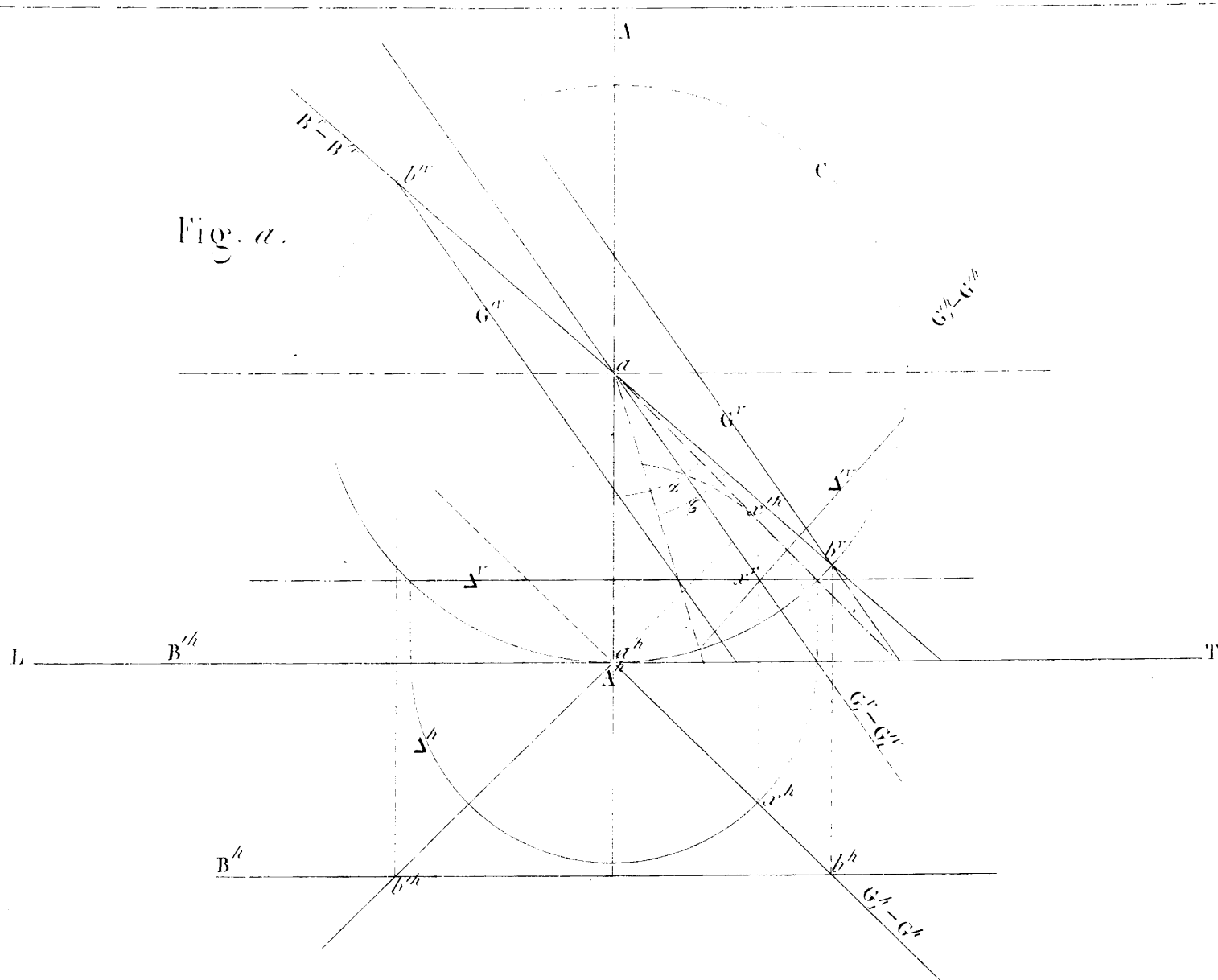


Fig. b.

