

W. 18649

COURS

DE

MATHÉMATIQUES

A L'USAGE

DES ARCHITECTES, INGÉNIEURS CIVILS, ETC.

328239

PAR J. ADHÉMAR



Tom. 4

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GÉOMÉTRIE DESCRIPTIVE  
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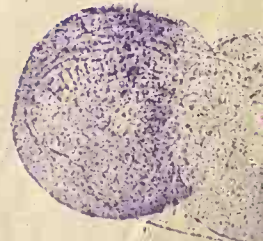
Cinquième édition.

PARIS

ARMAND COLIN ET C^{IE}, ÉDITEURS

16, RUE DE CONDÉ, 16

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Inventar.....24553

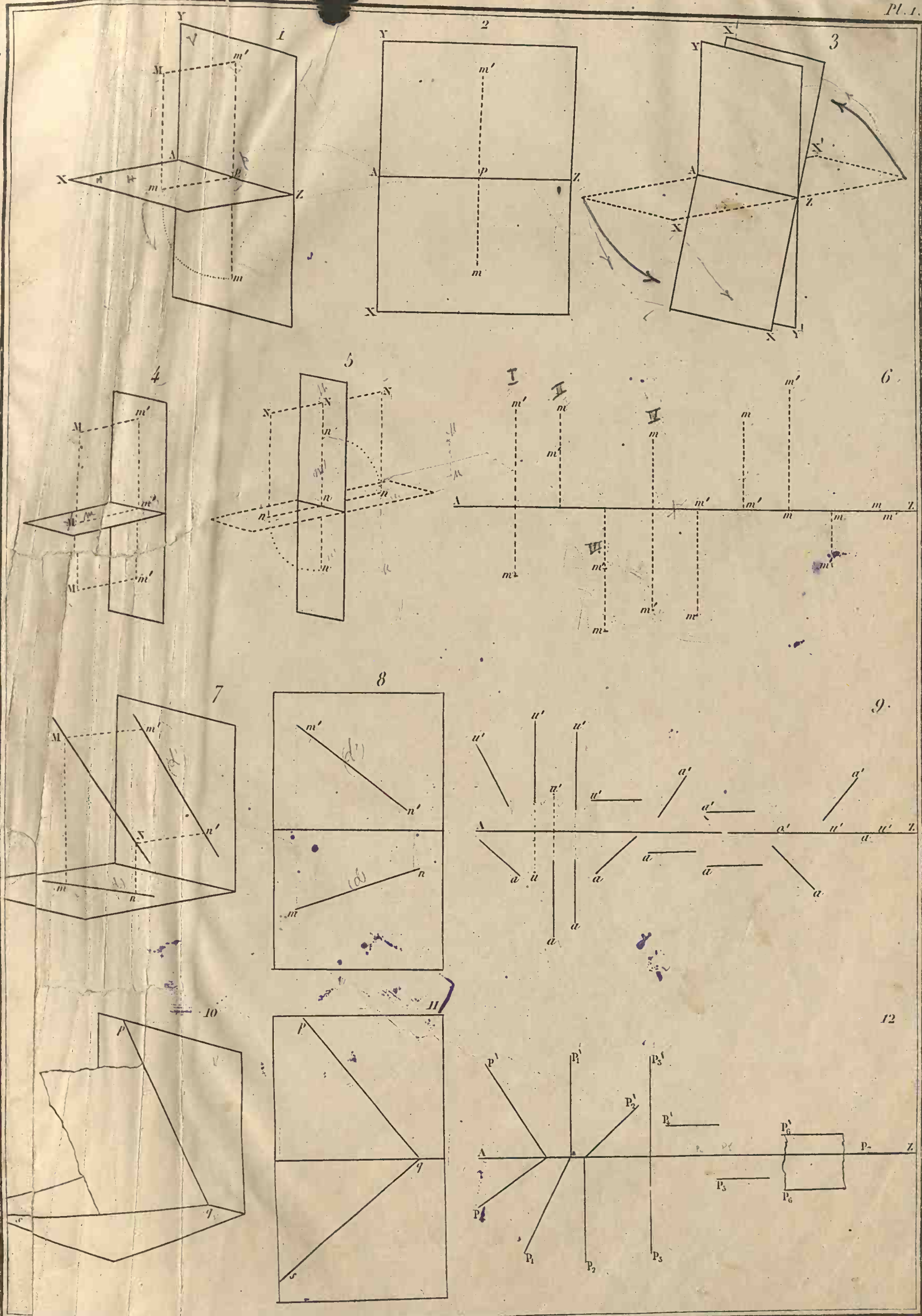
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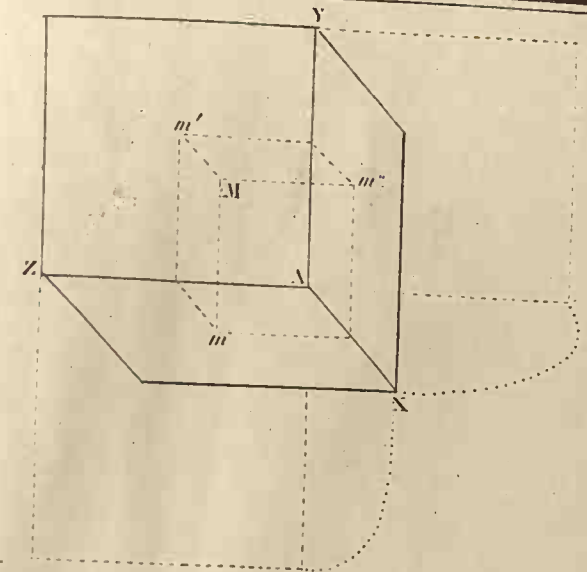
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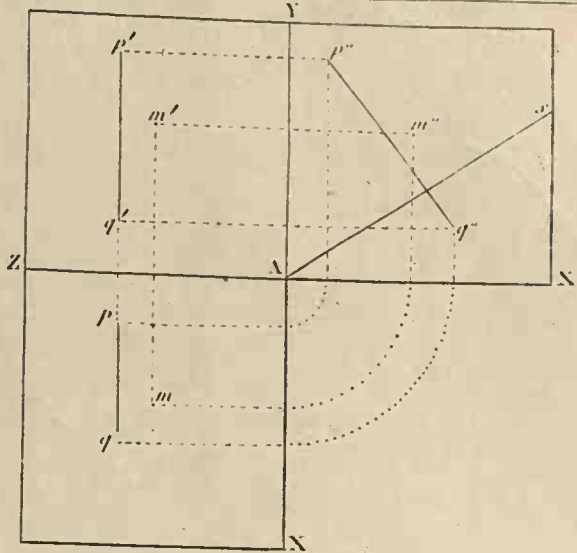
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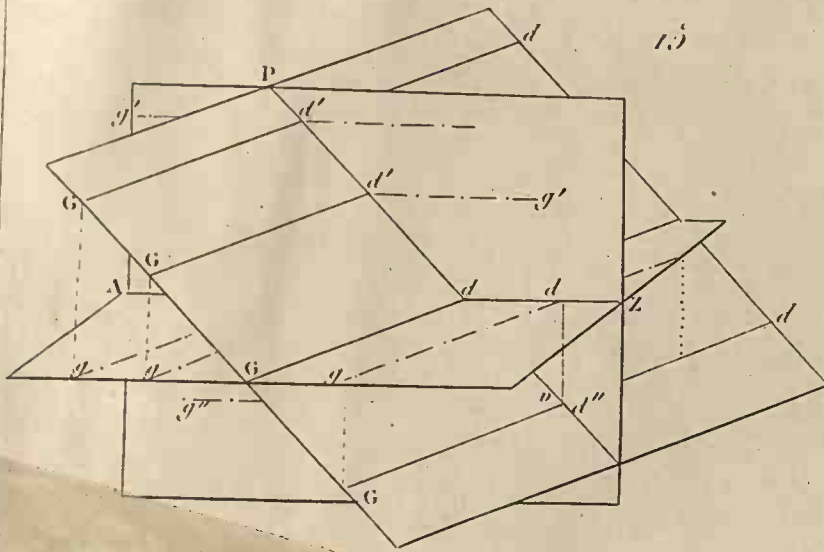




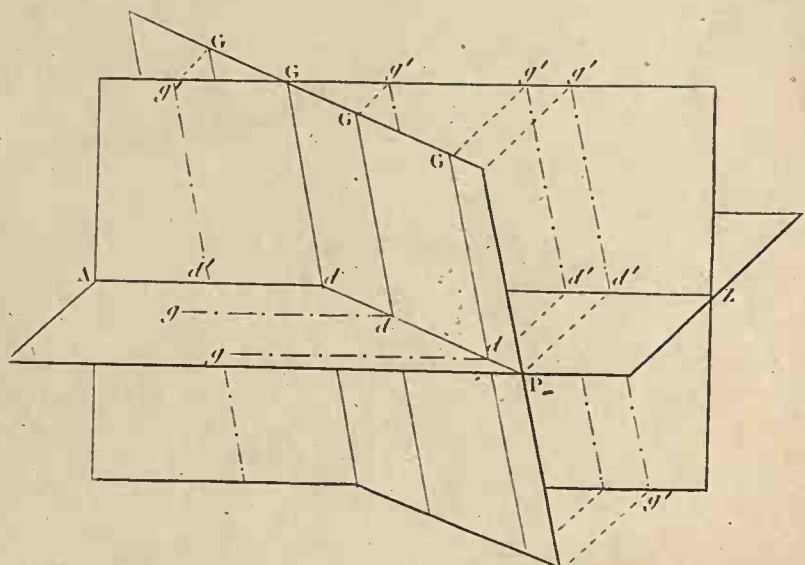
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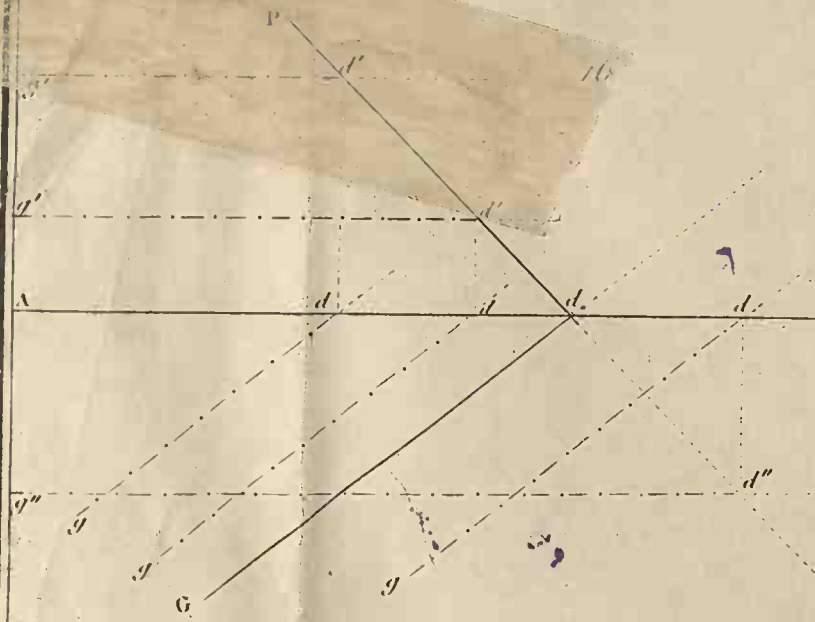
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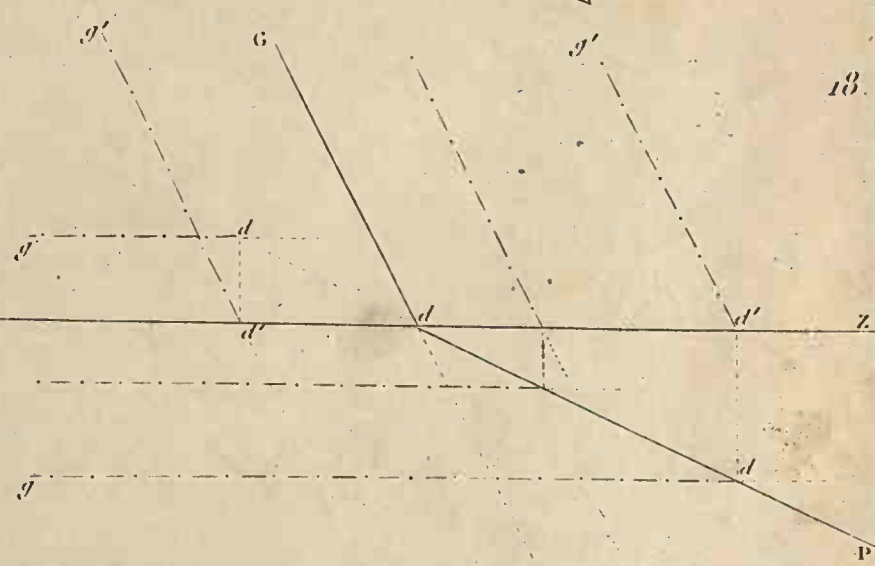
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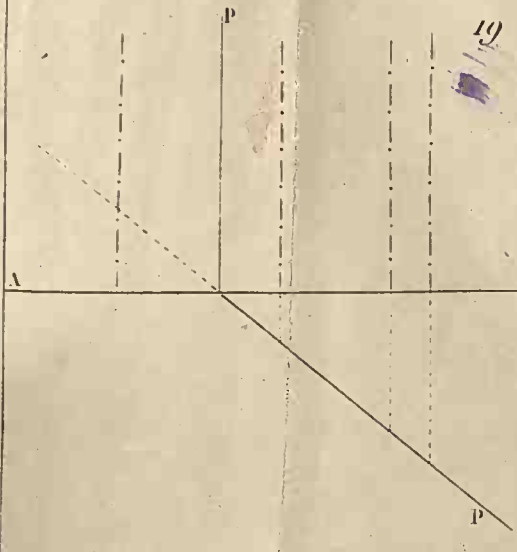
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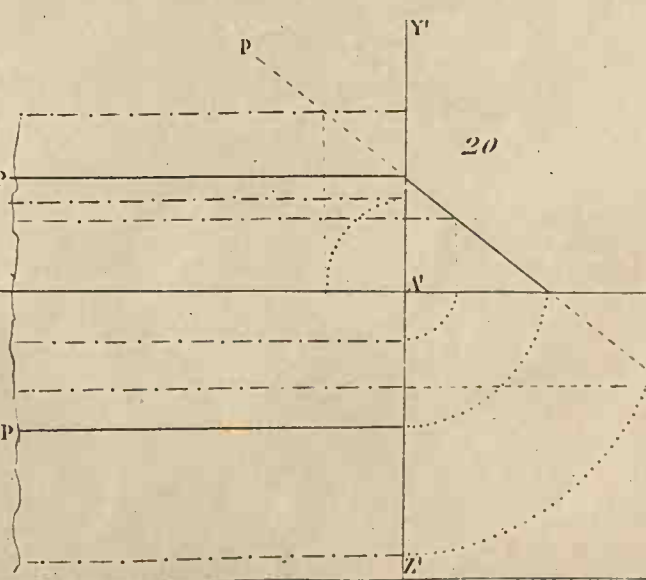
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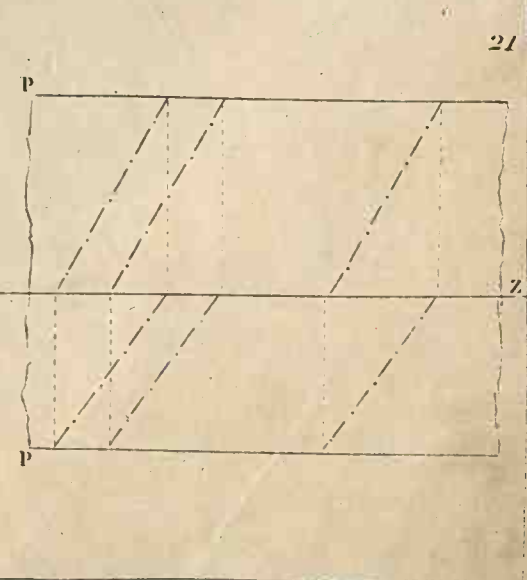
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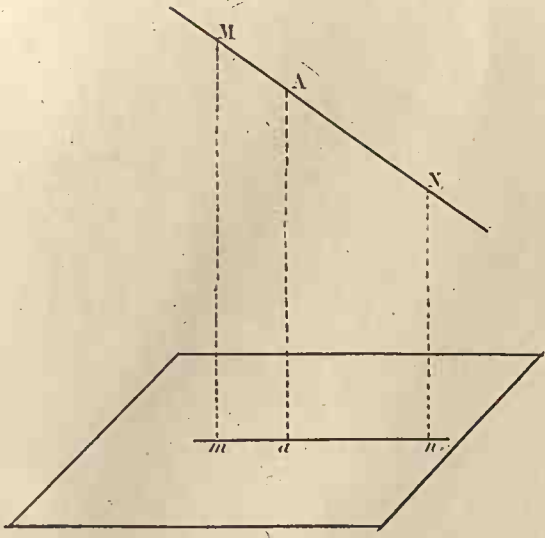


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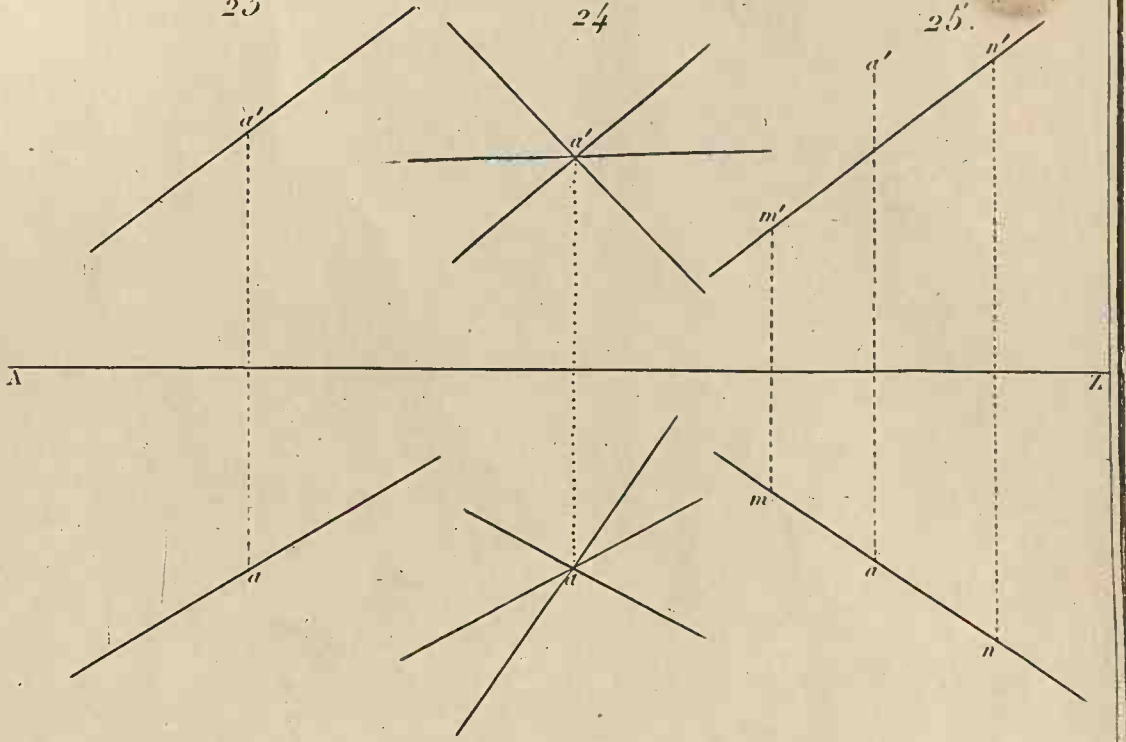


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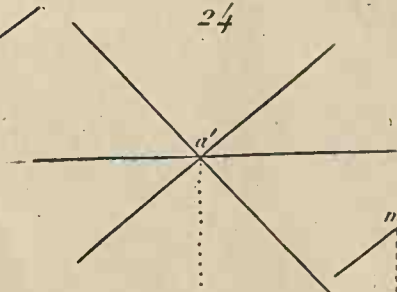
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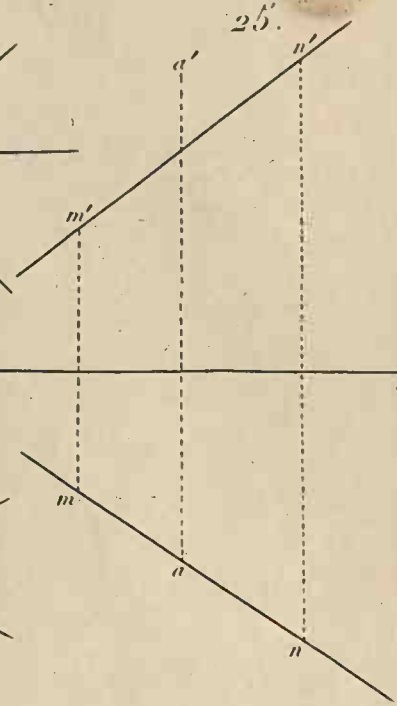
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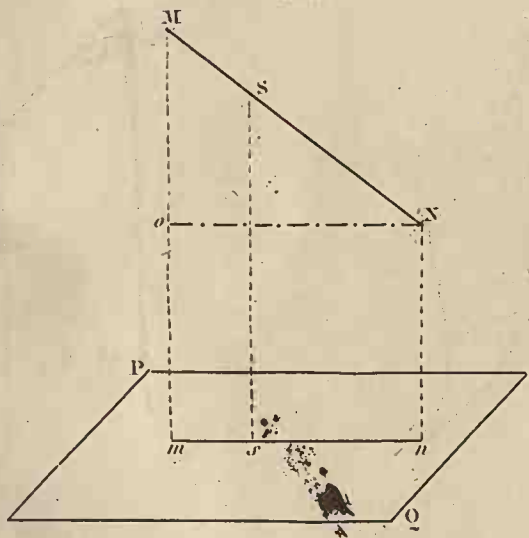
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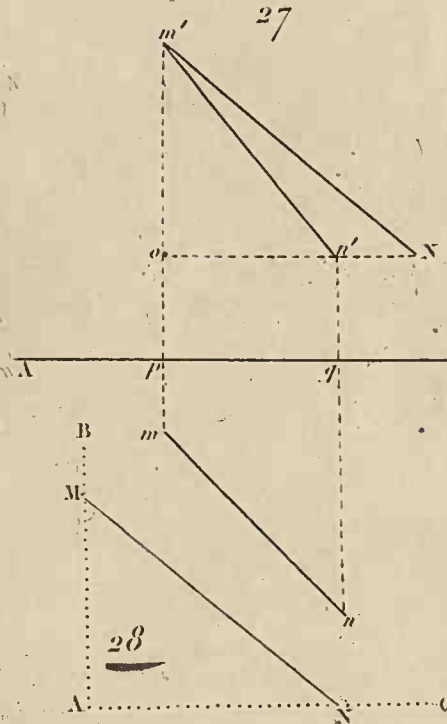
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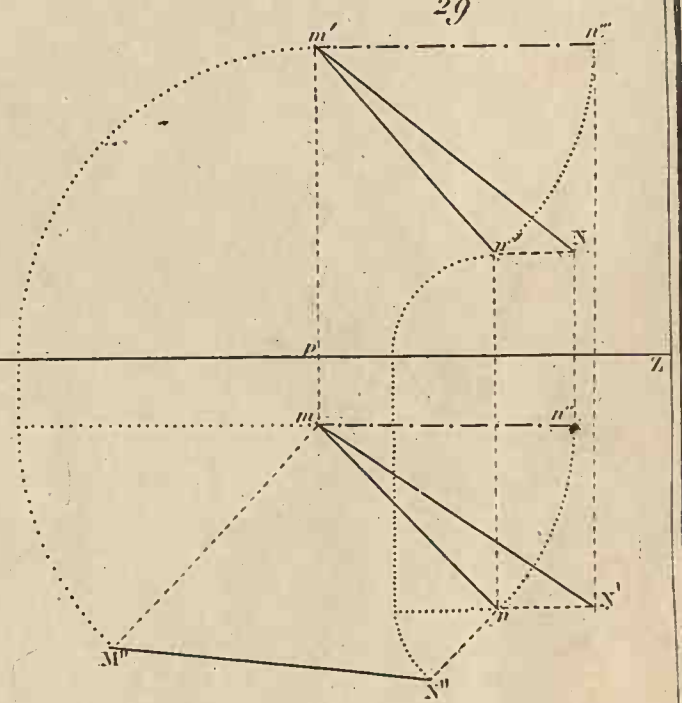
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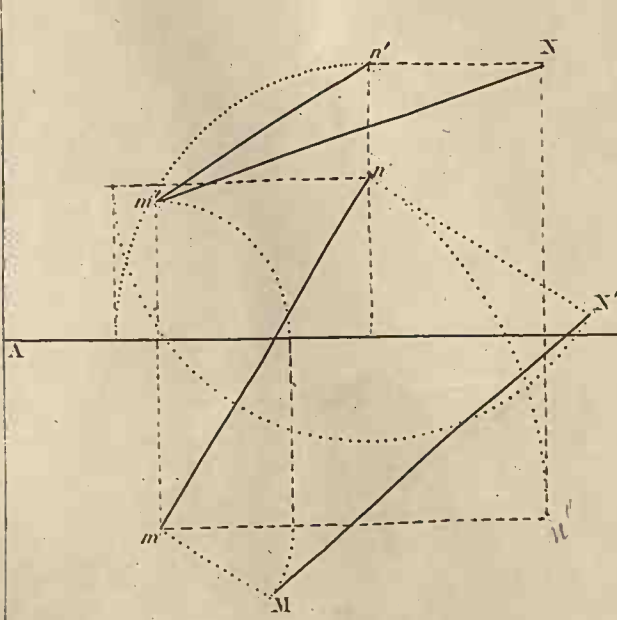


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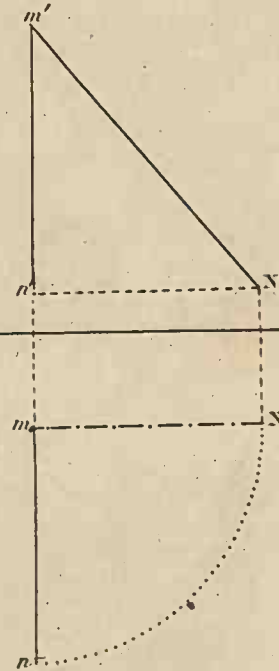


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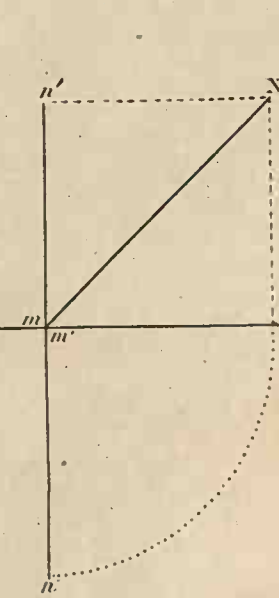
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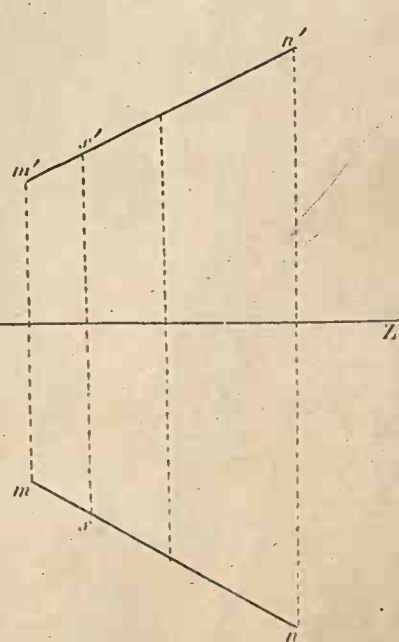
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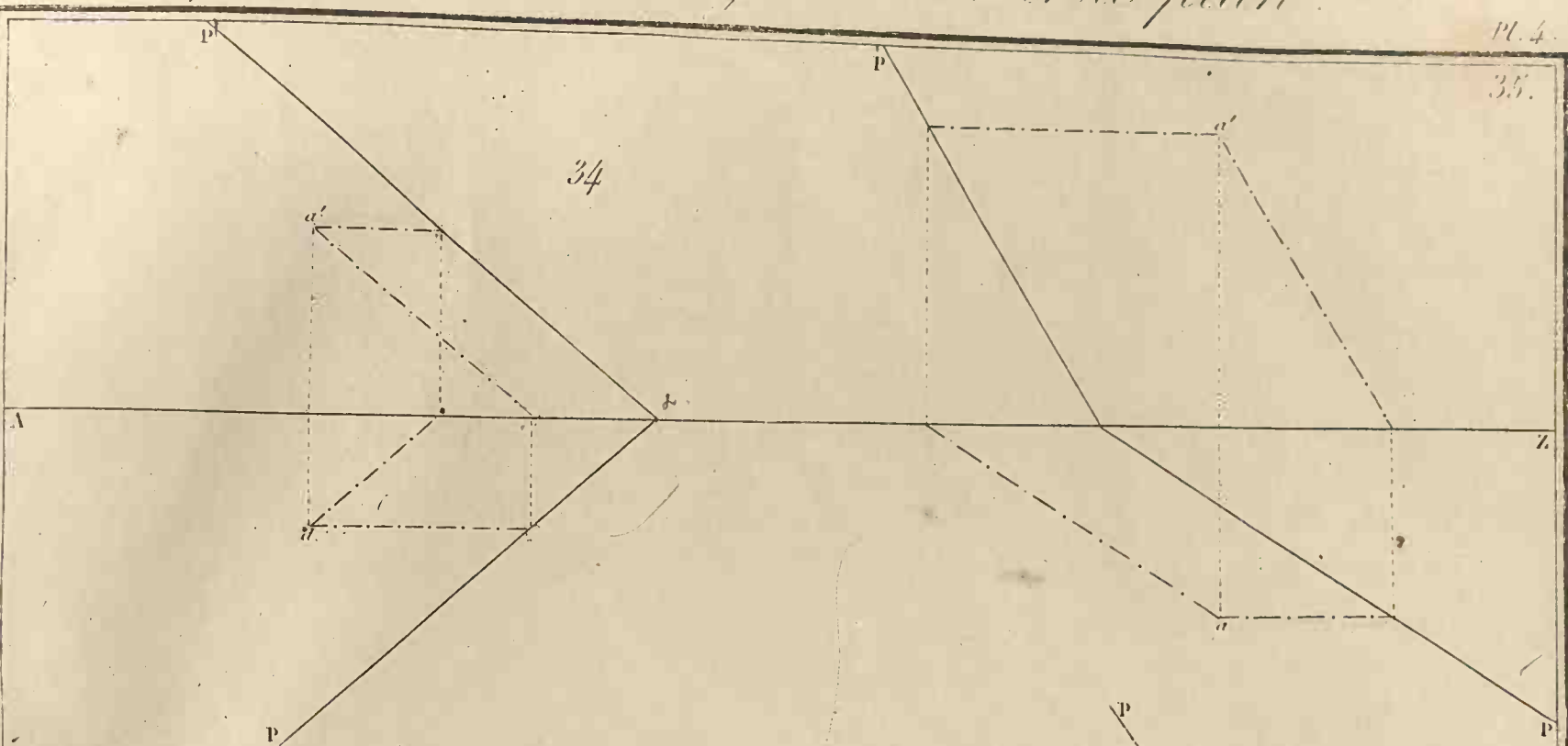
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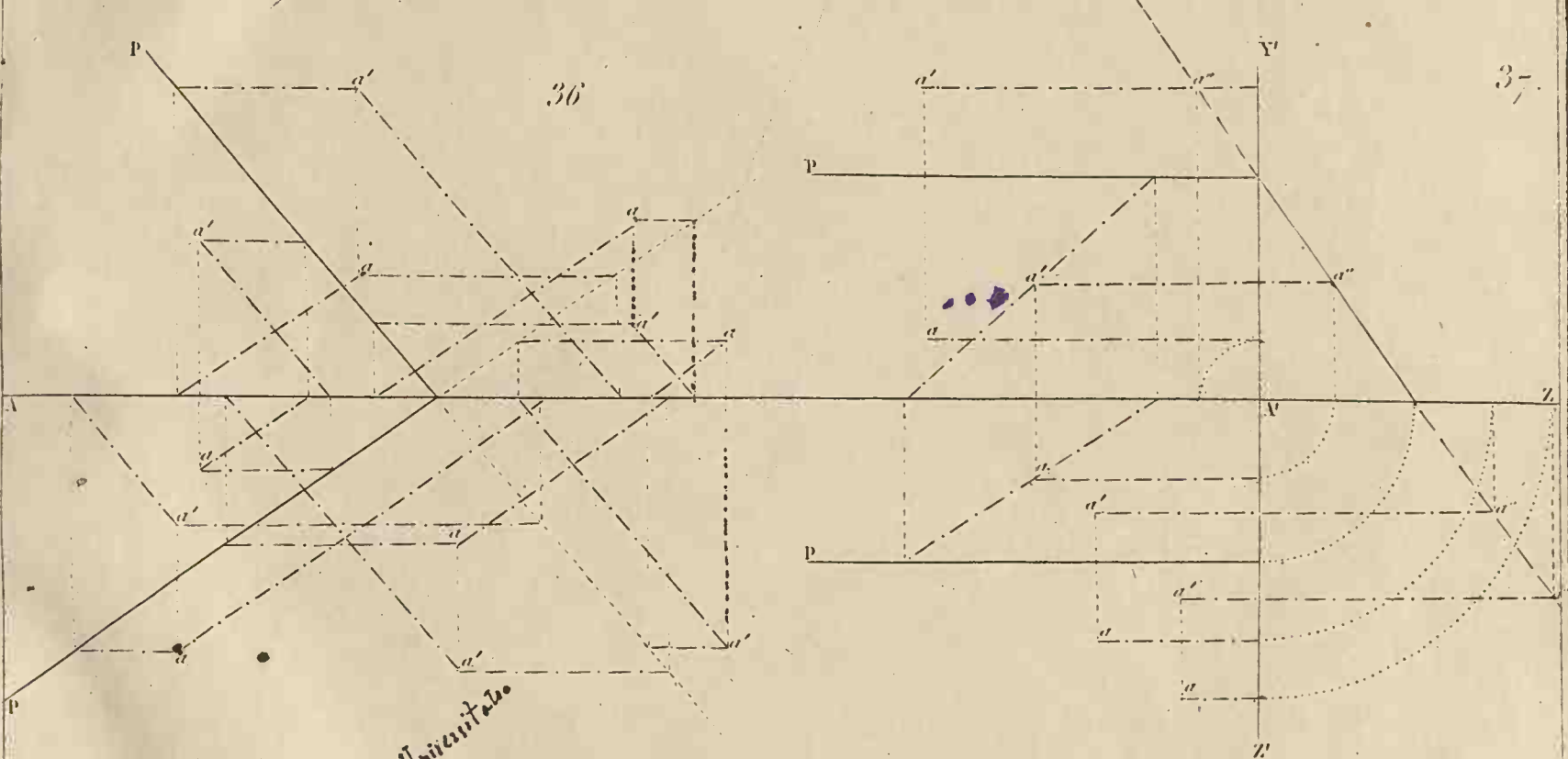


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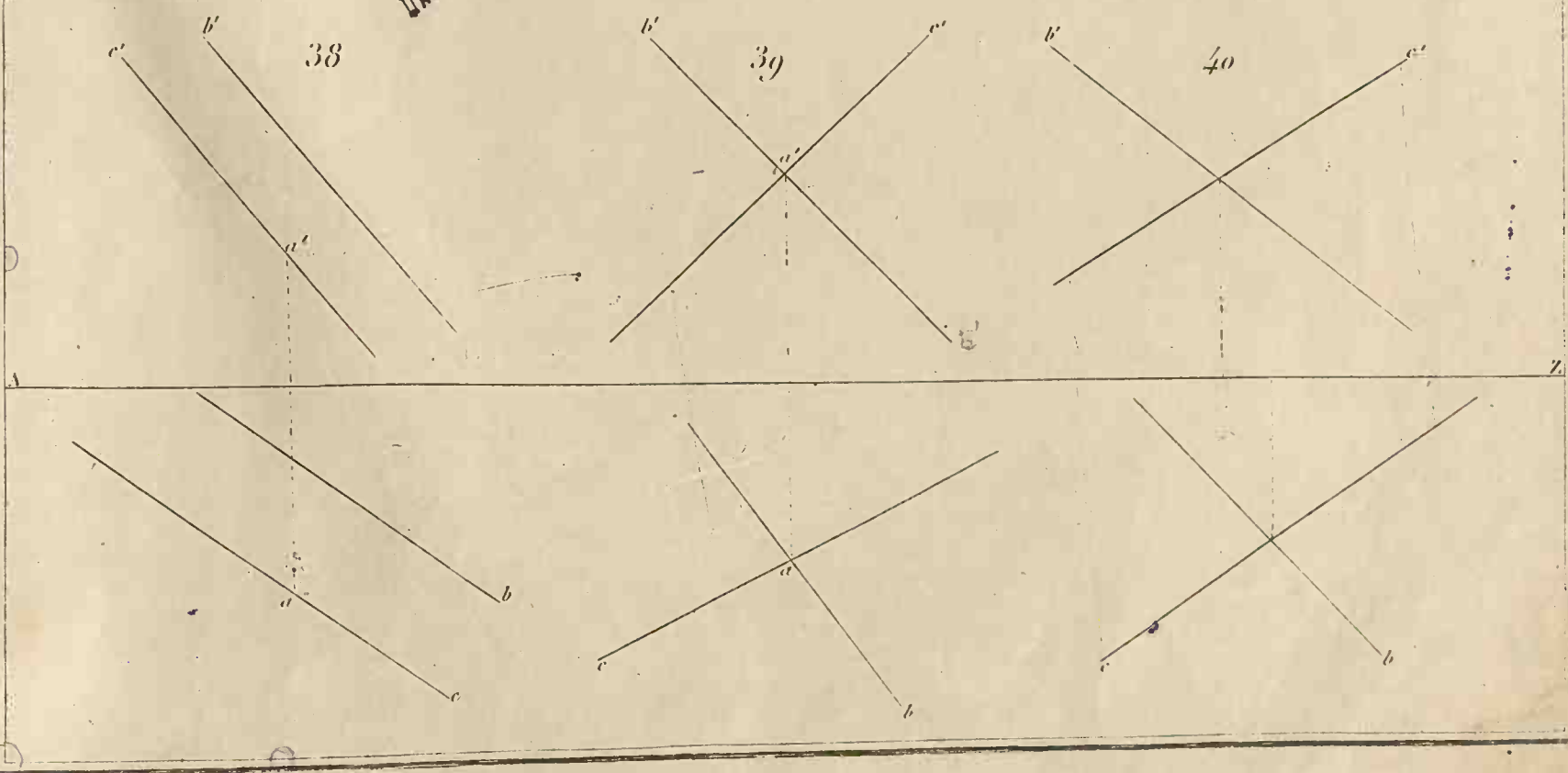


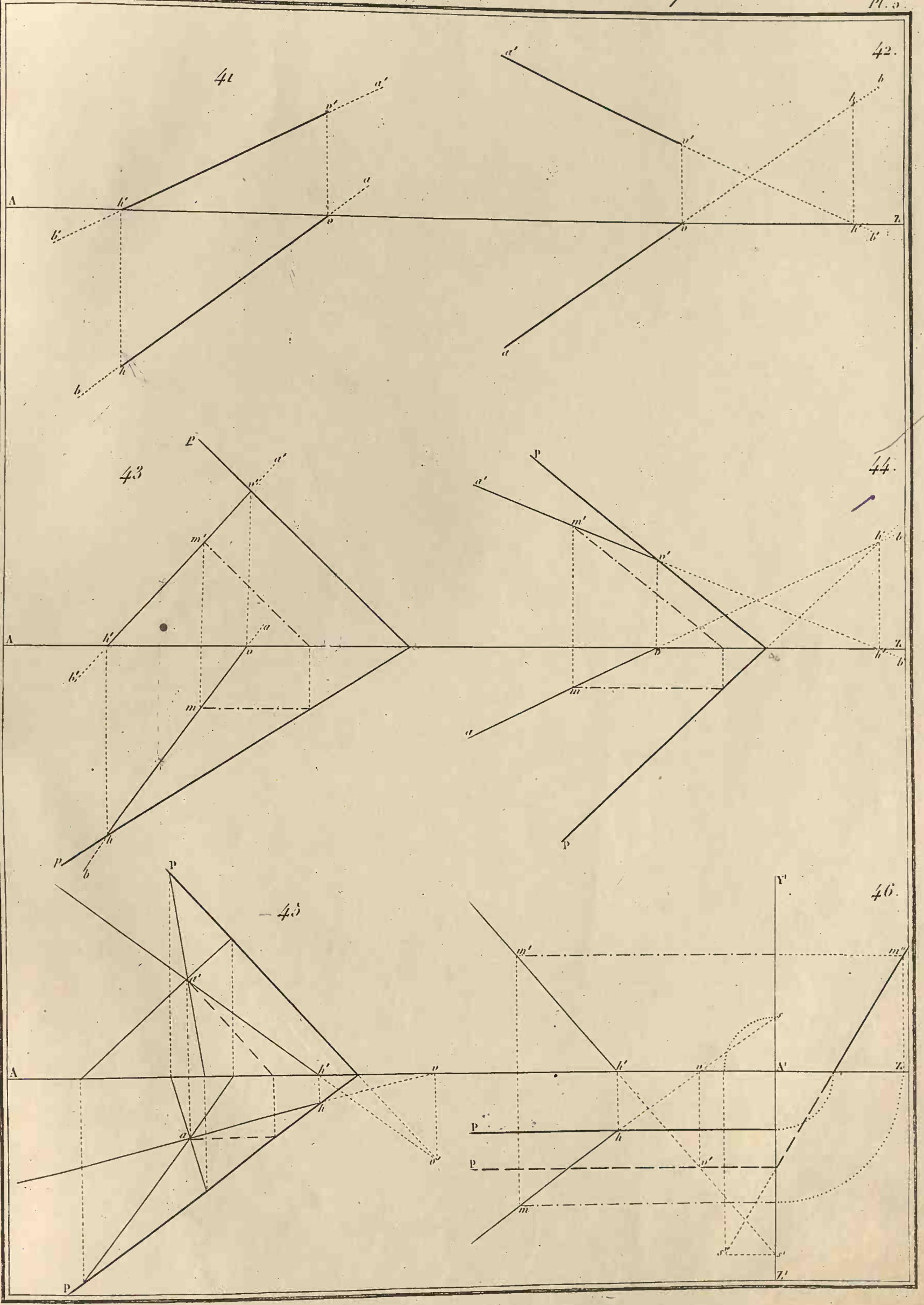
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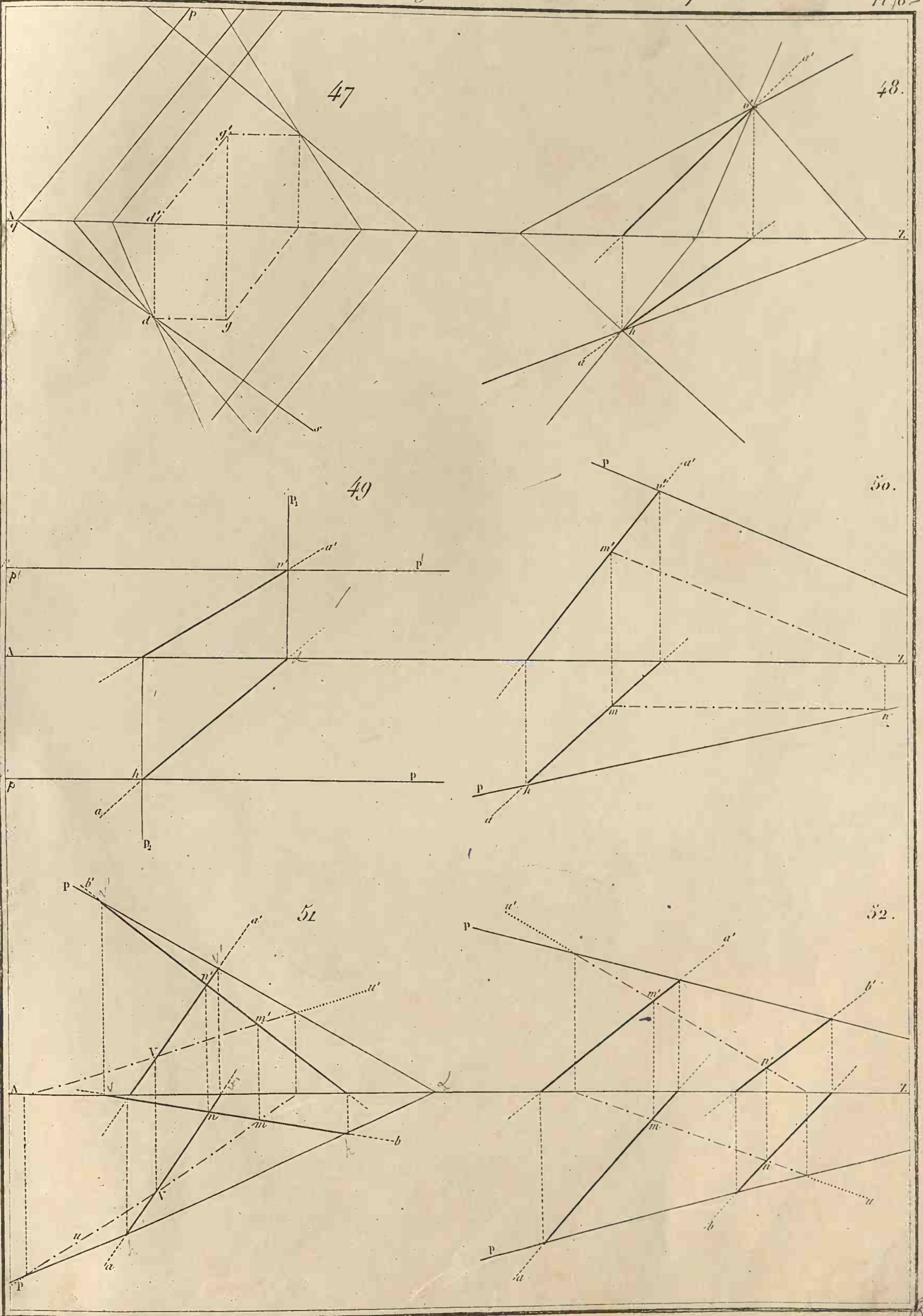
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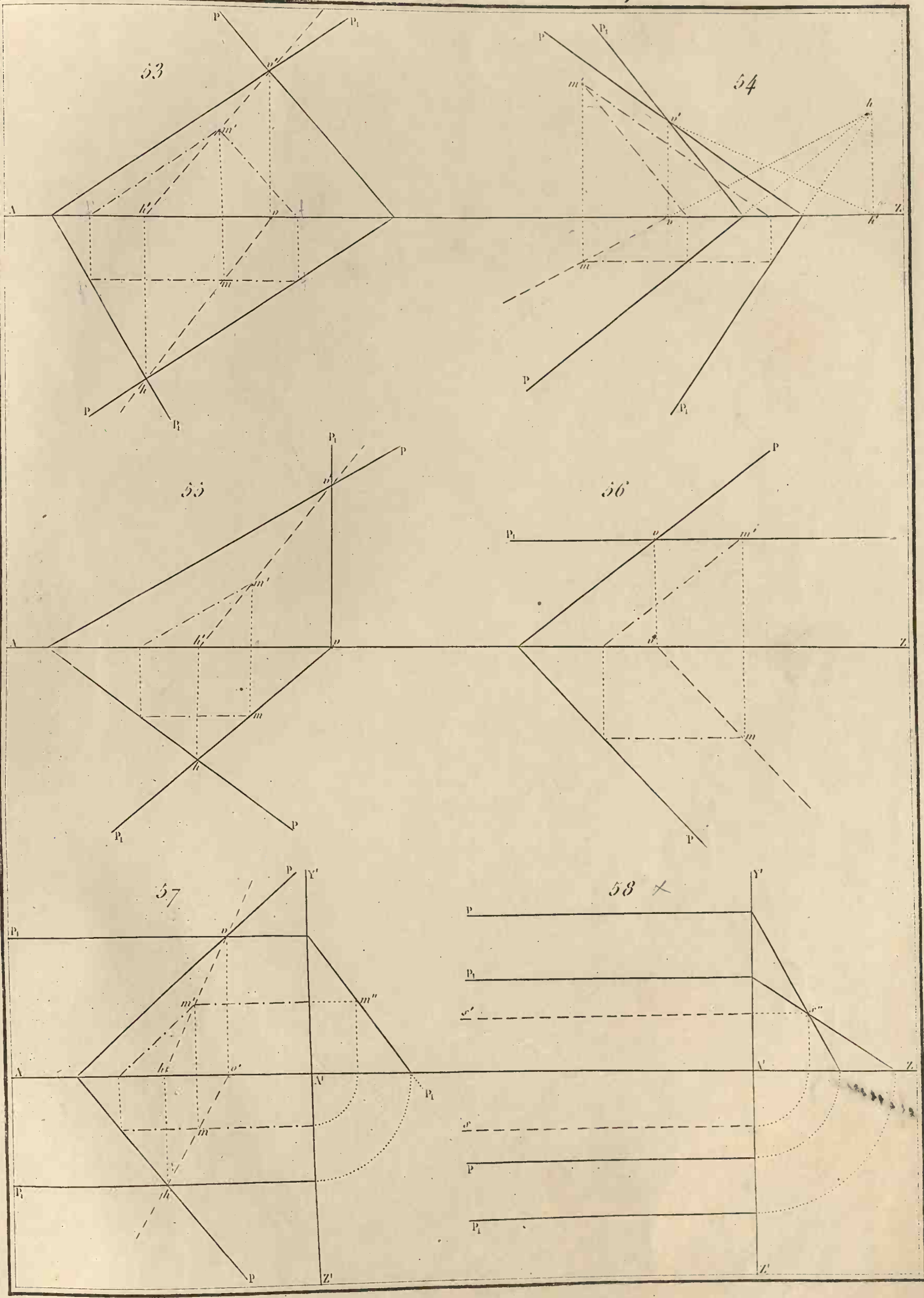
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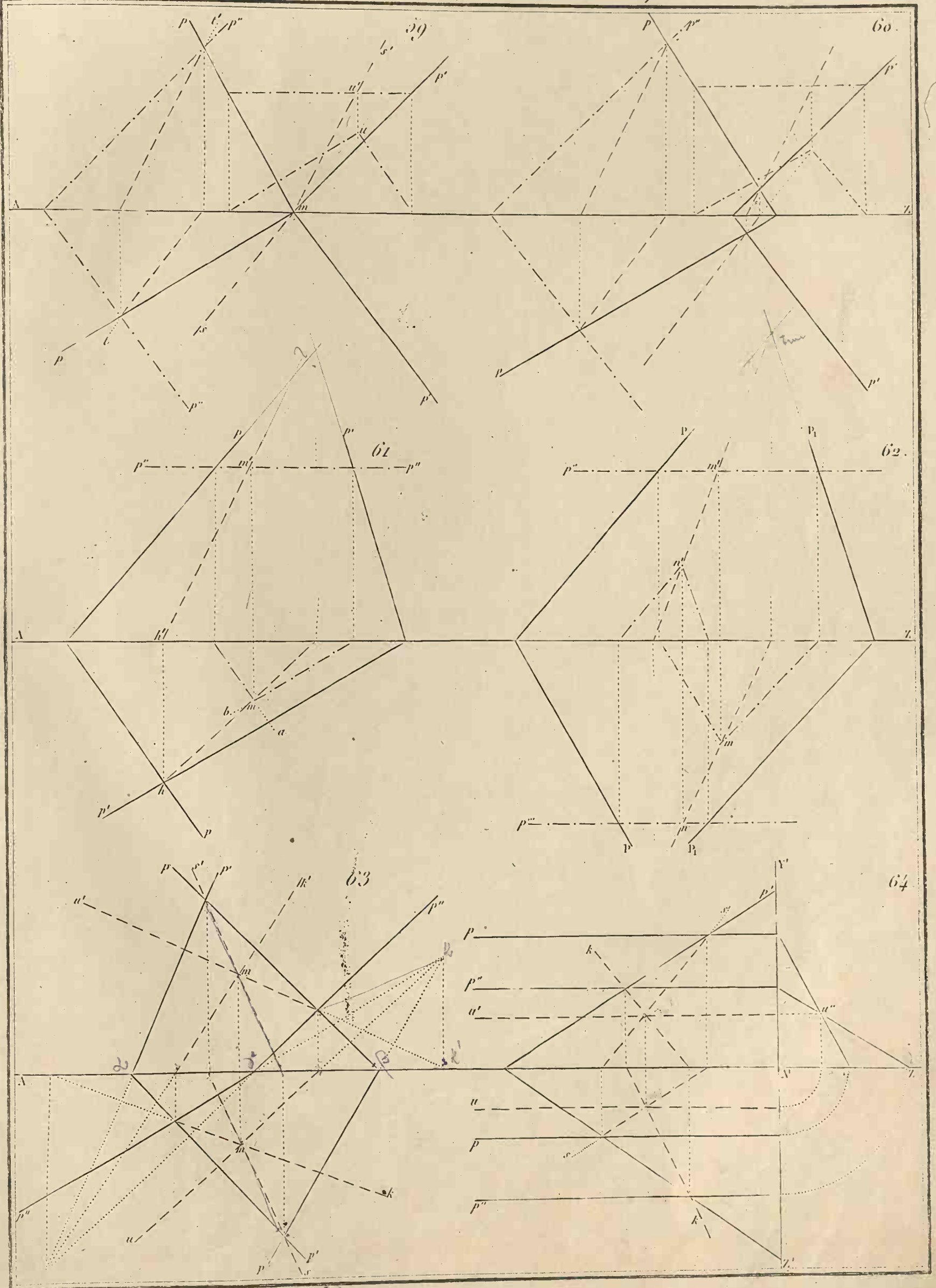
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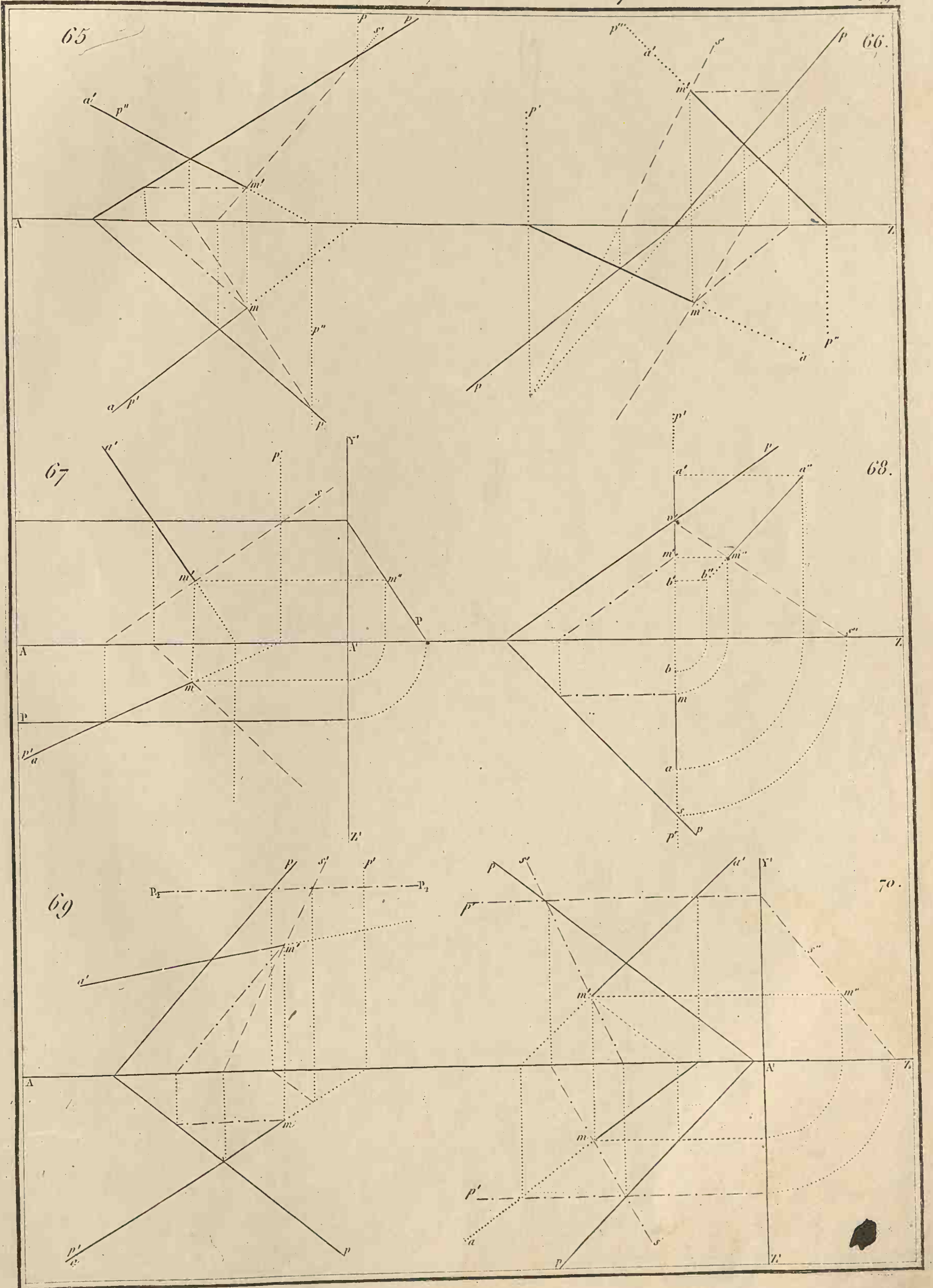
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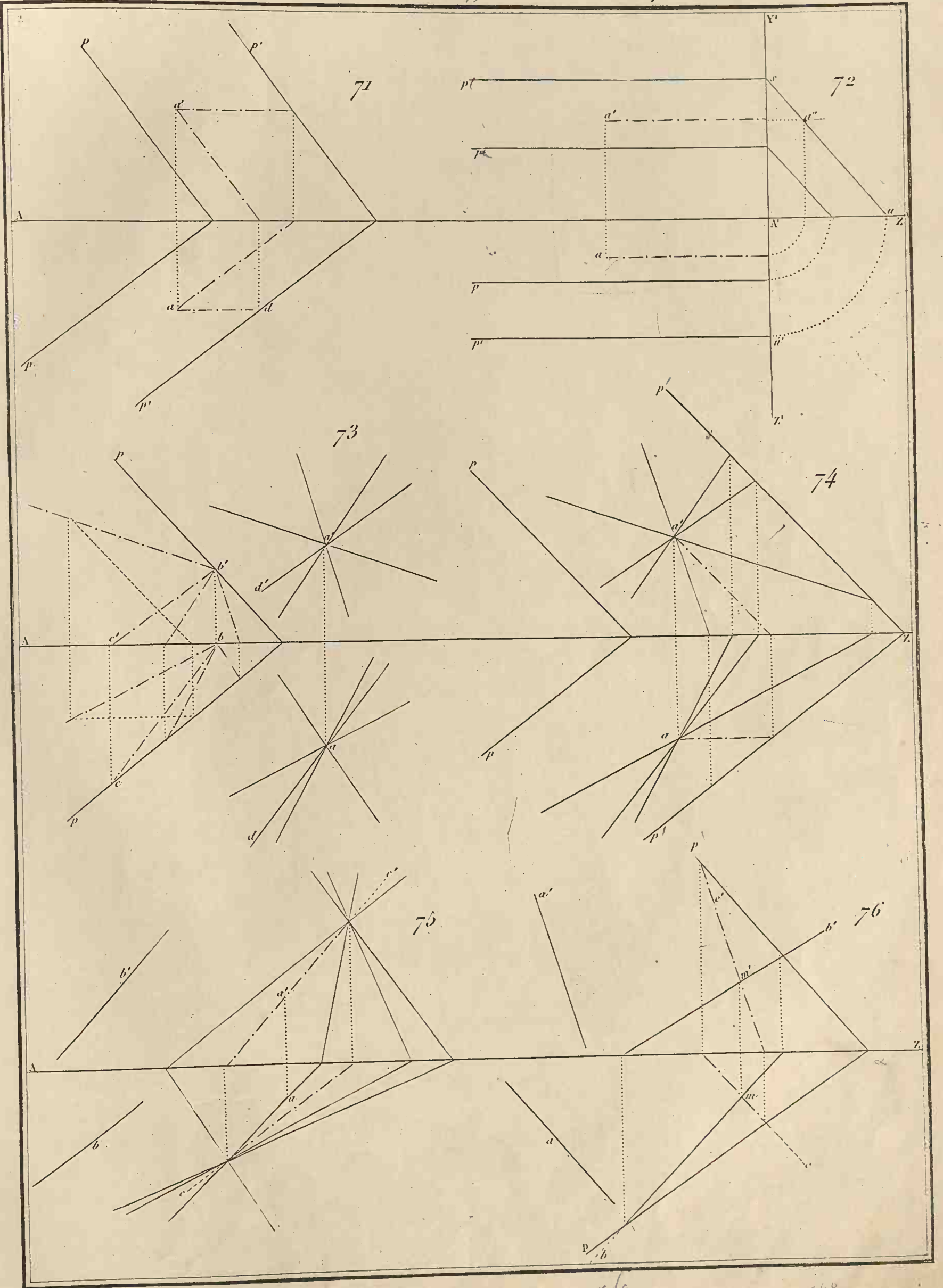
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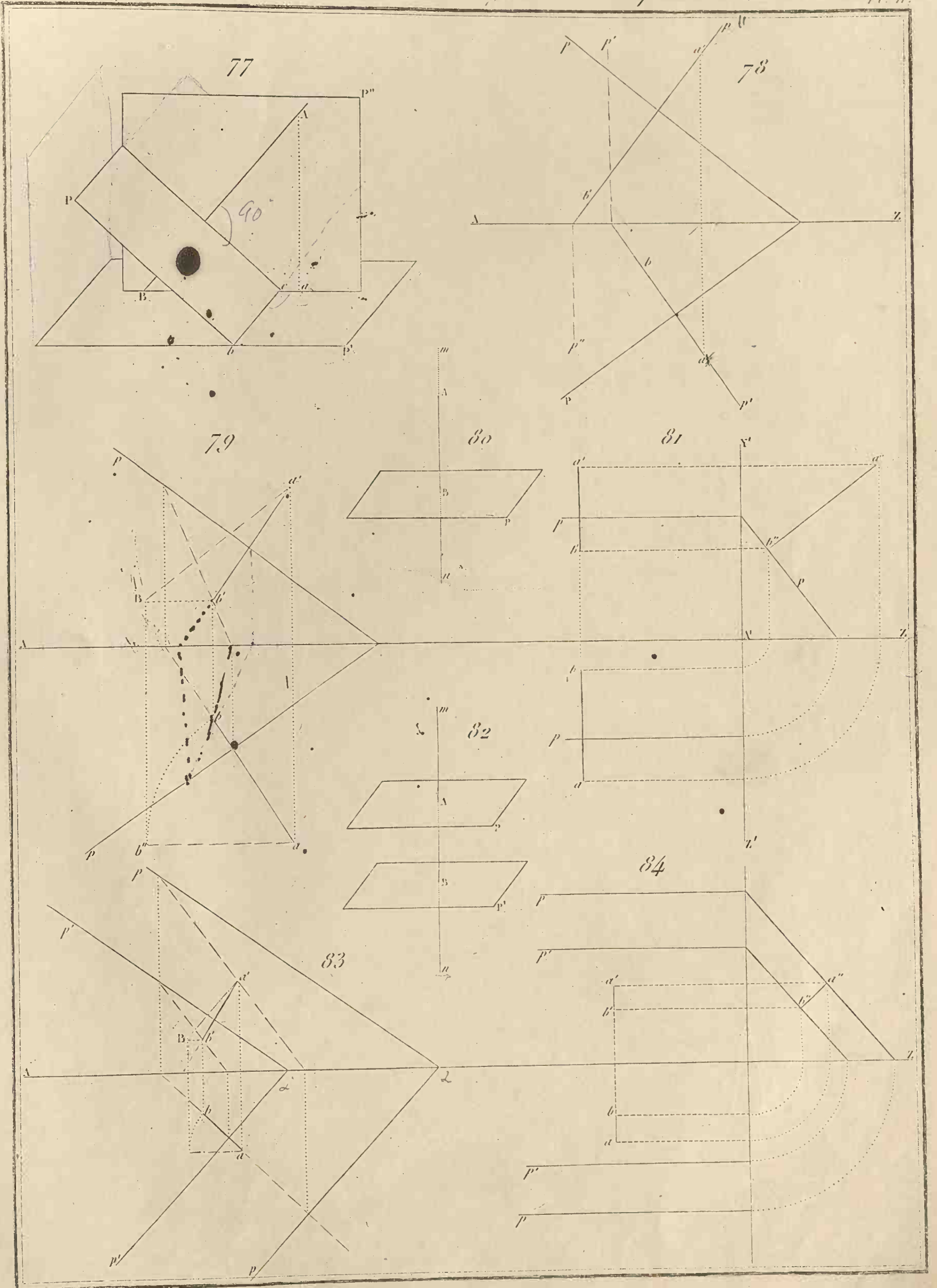
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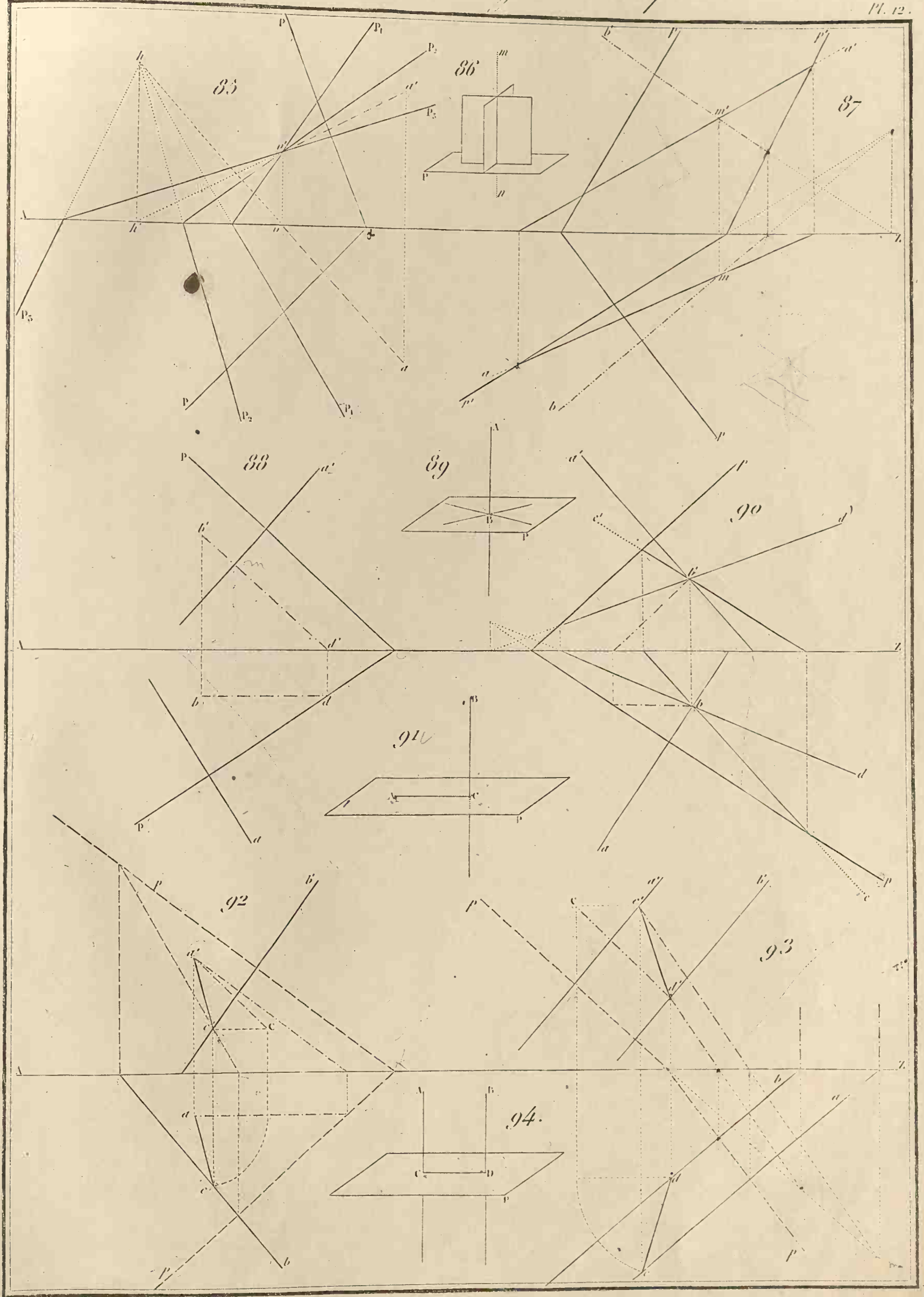
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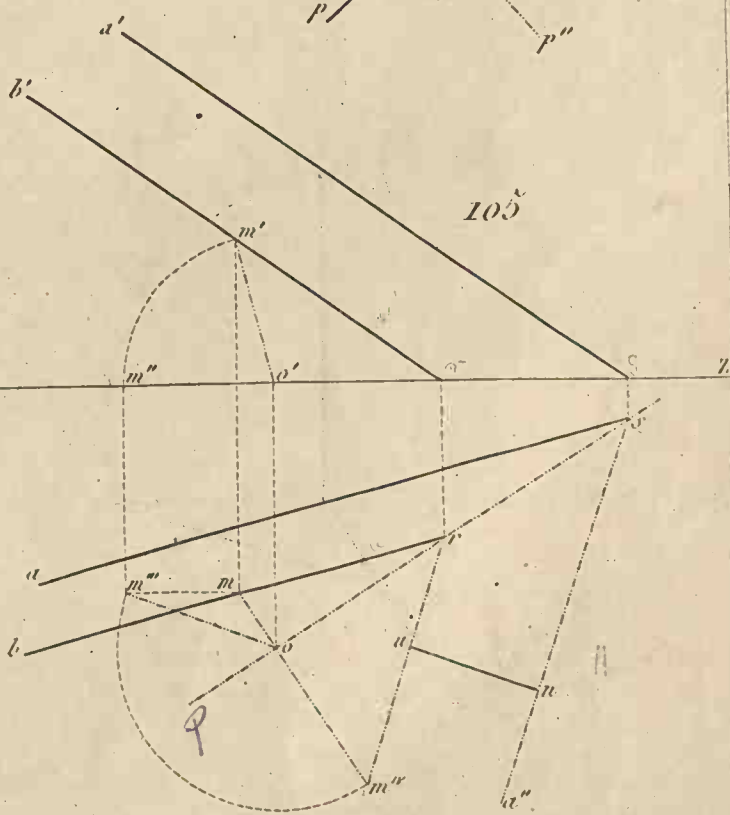
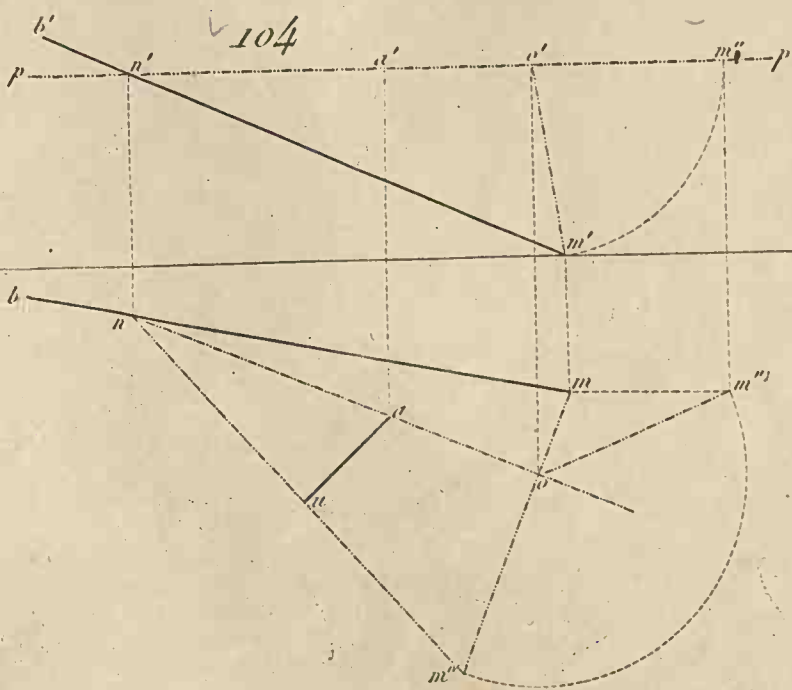
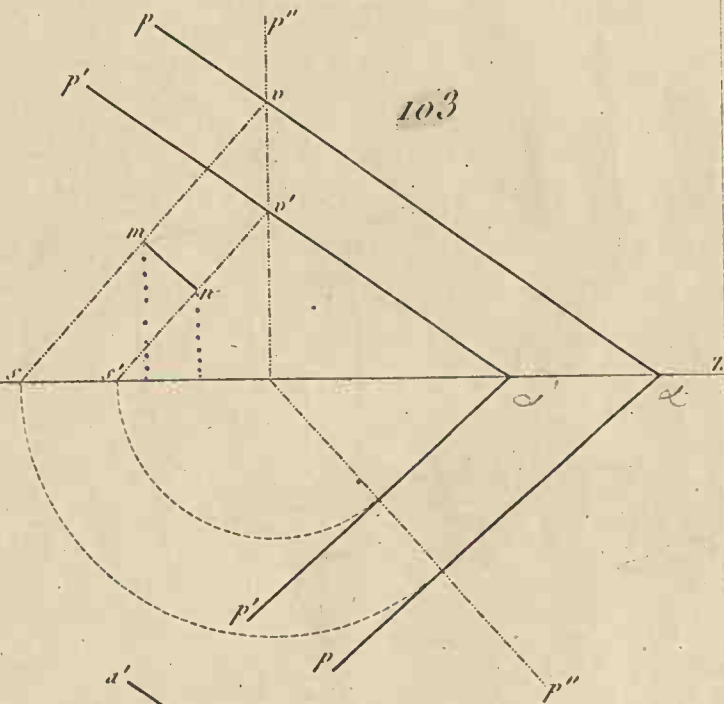
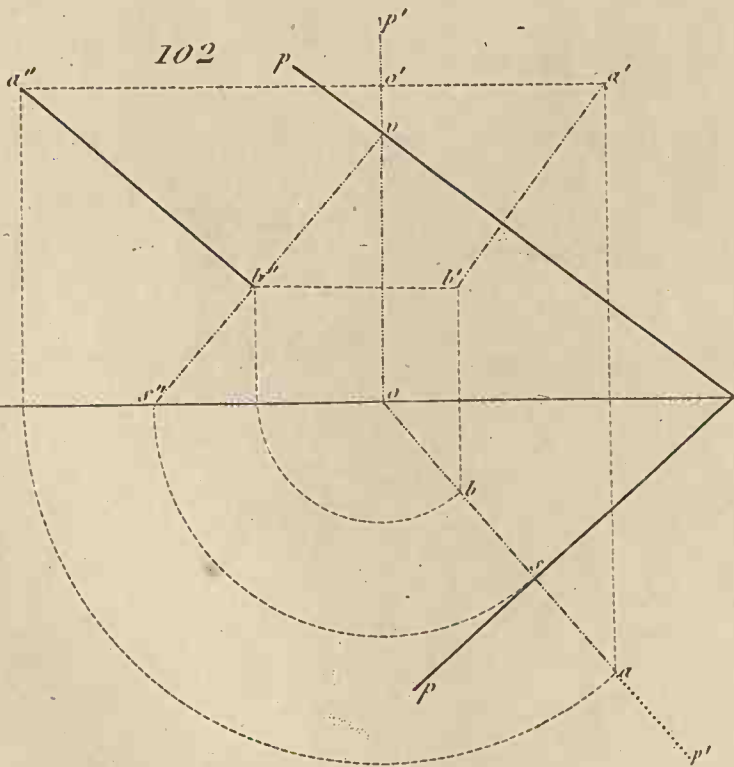
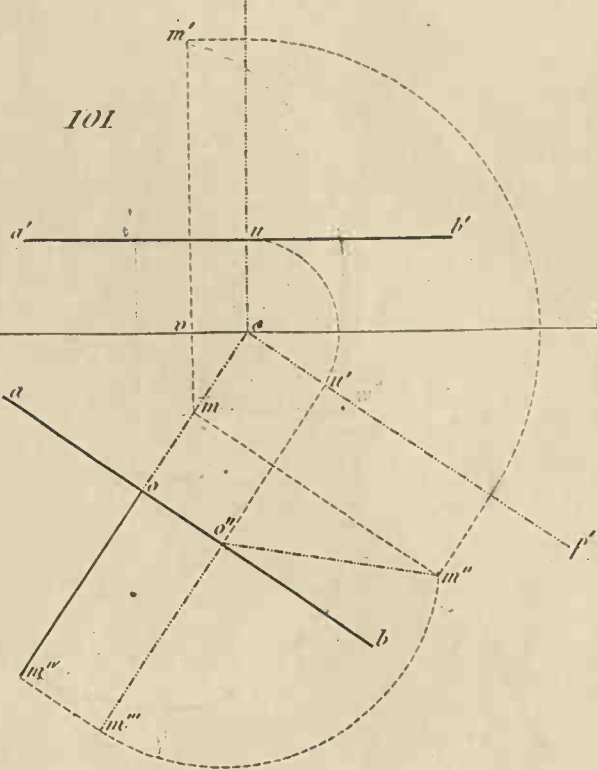
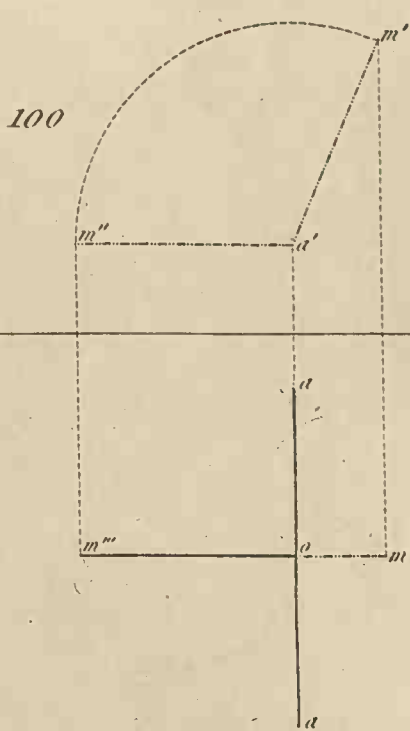
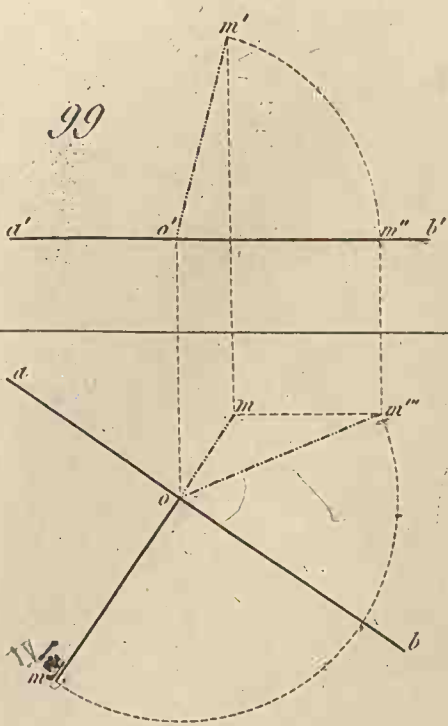


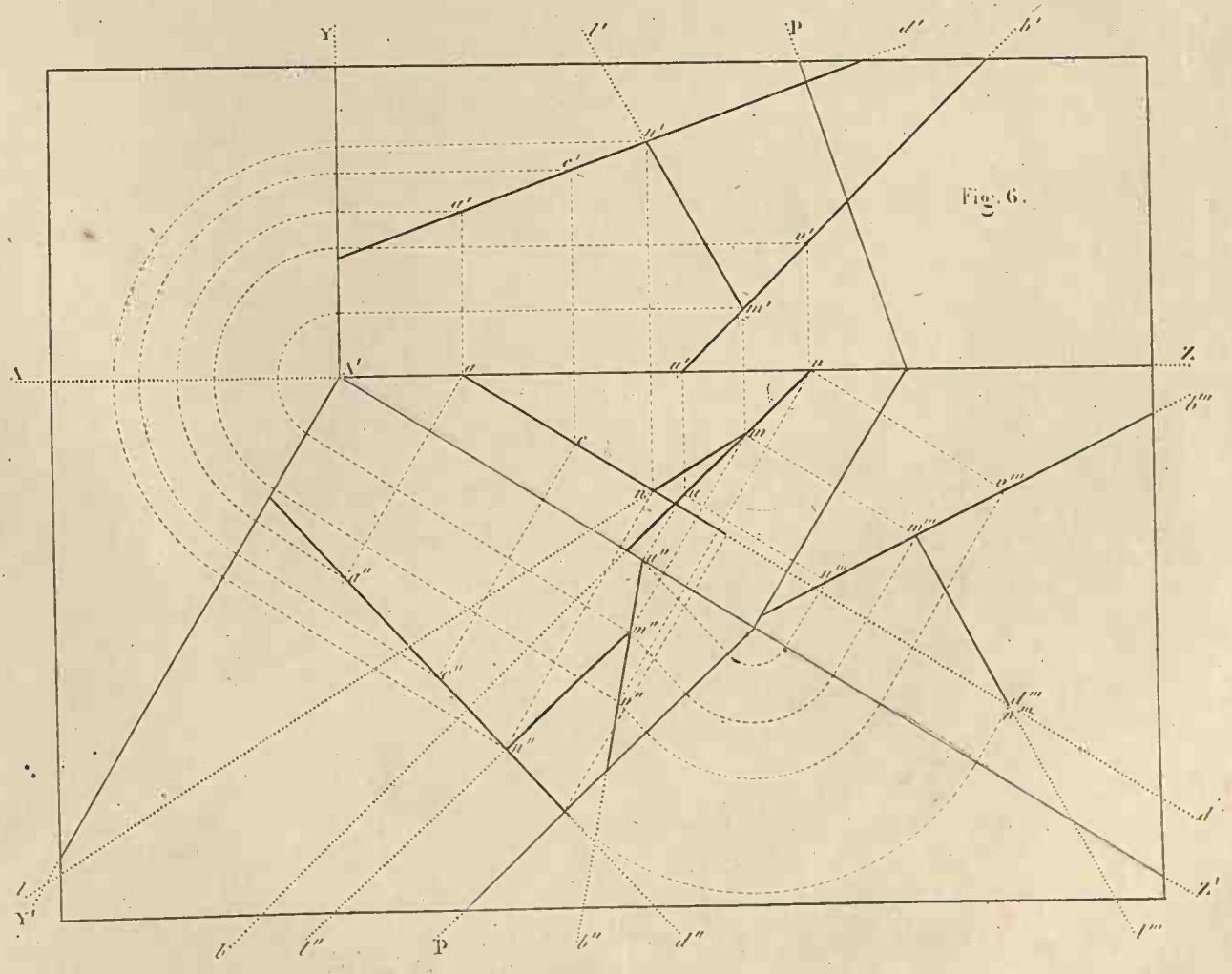
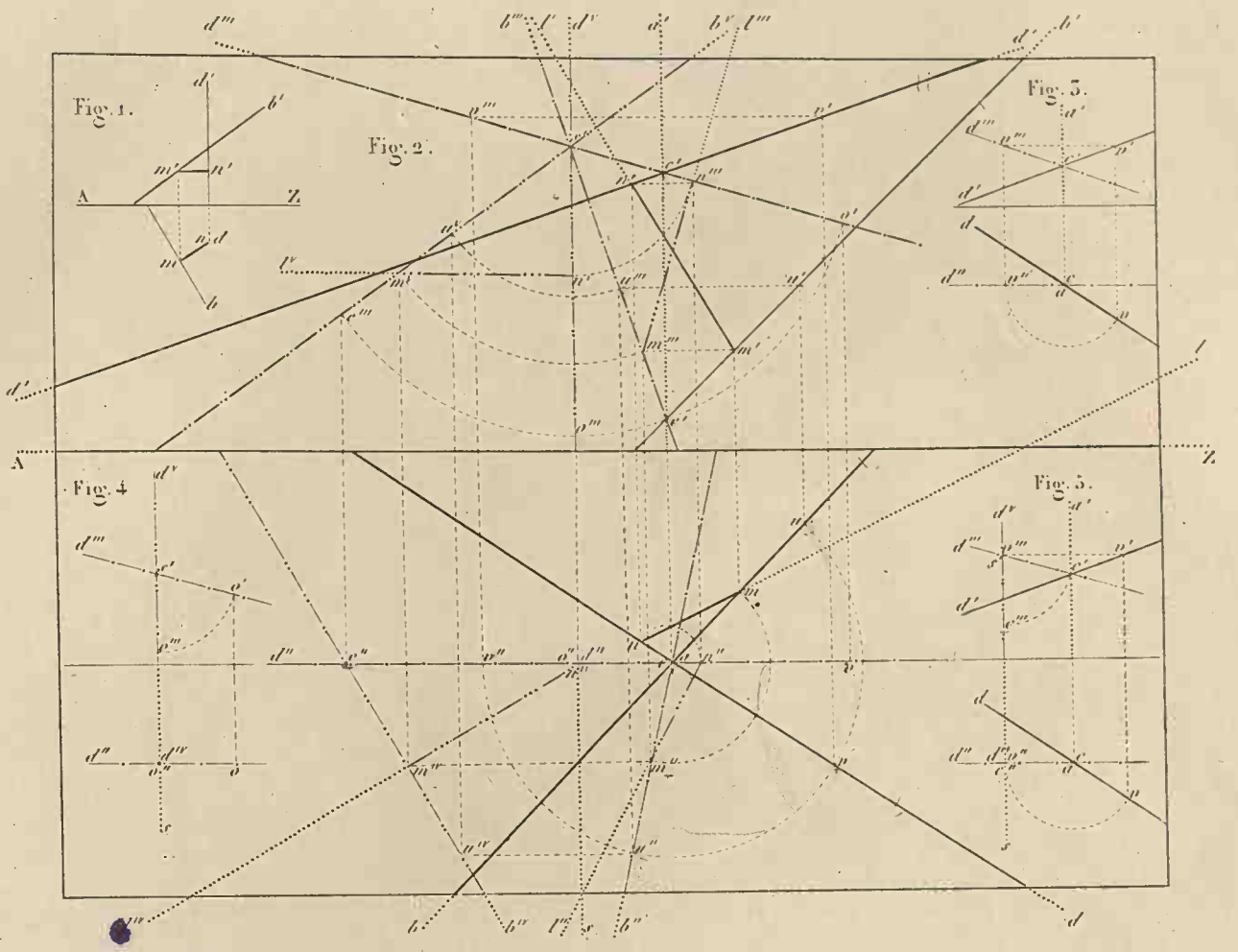
Perpendicularité des lignes et des plans.

Pl. 13

géométrie descriptive.





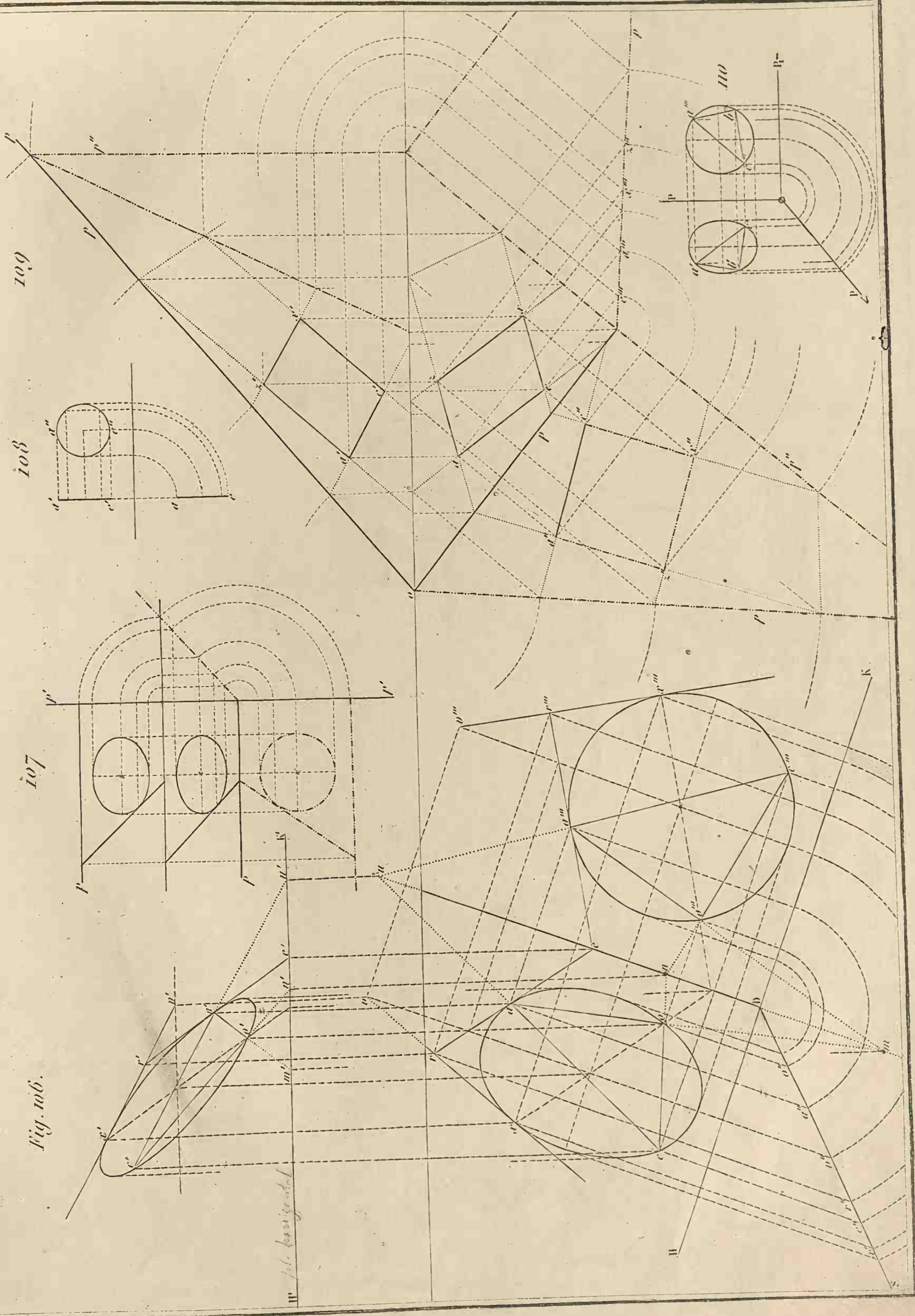


Geometrie descriptive.

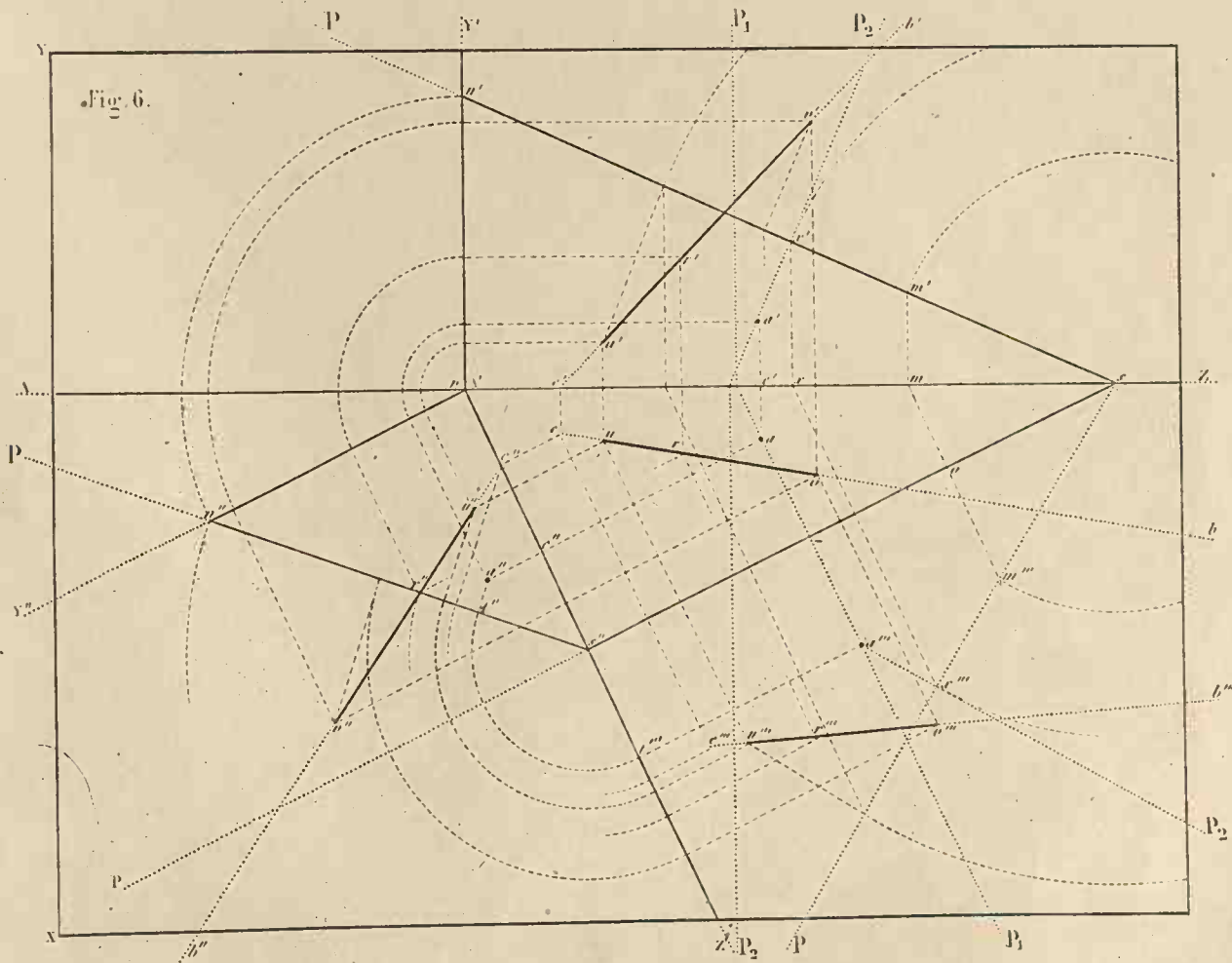
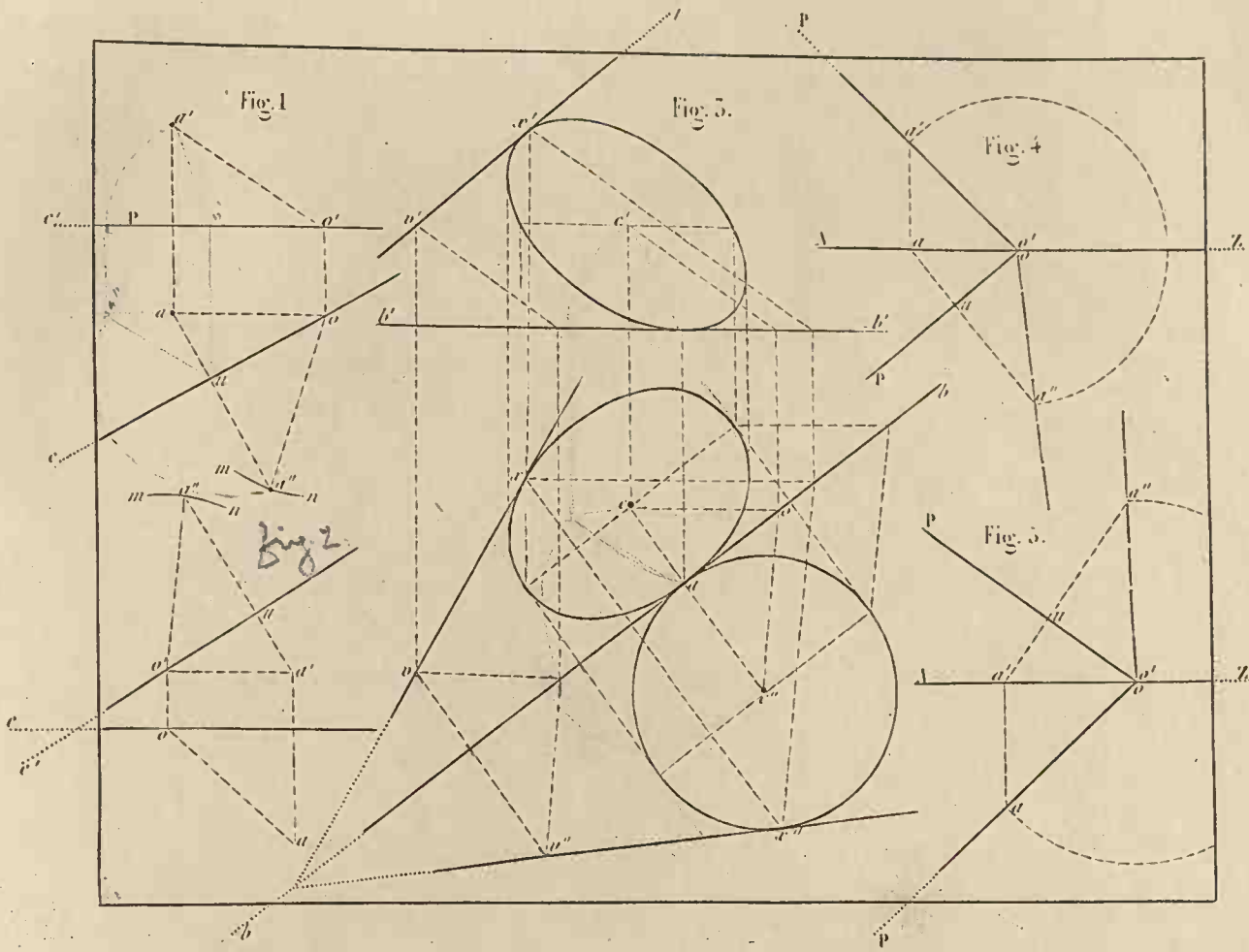
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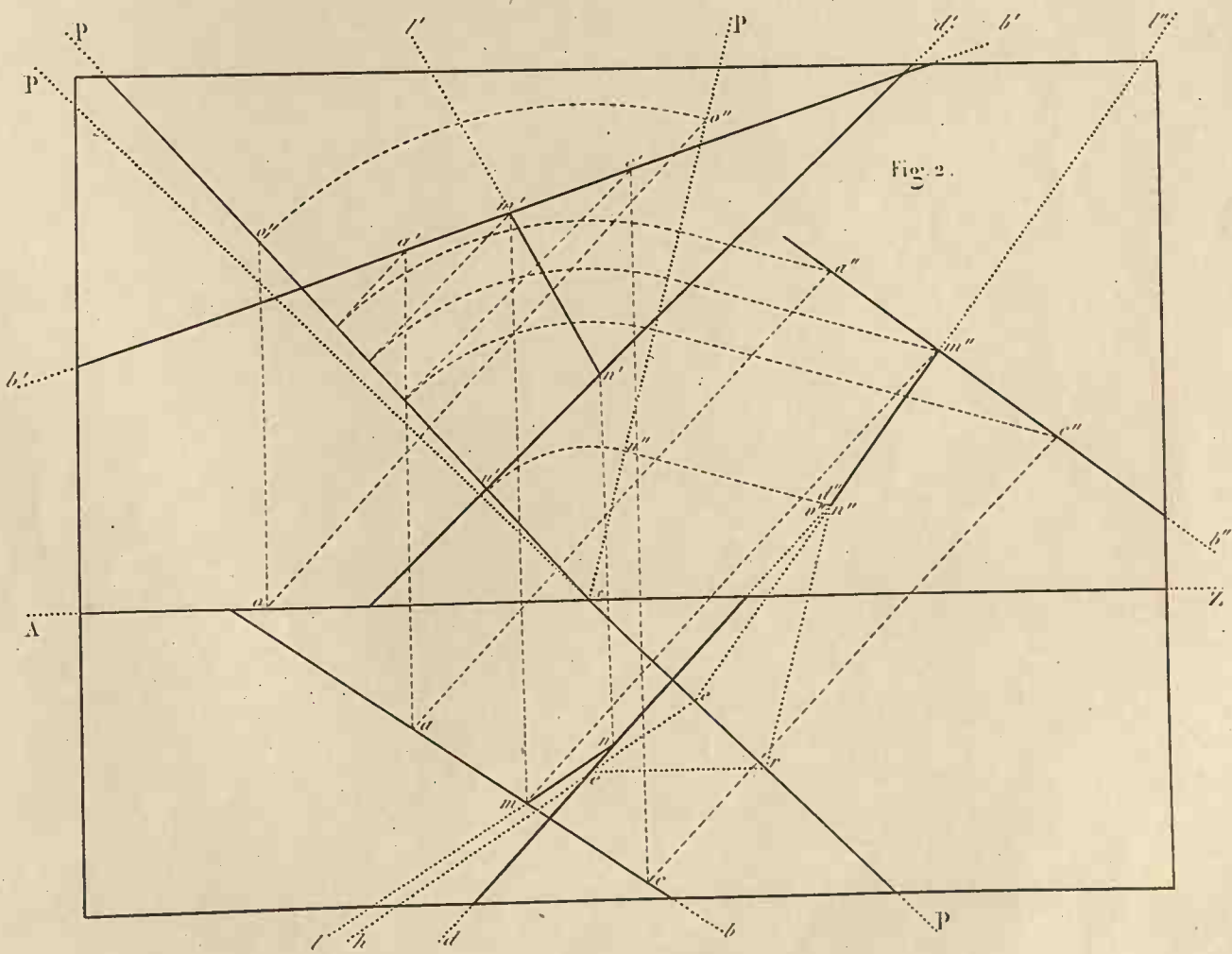
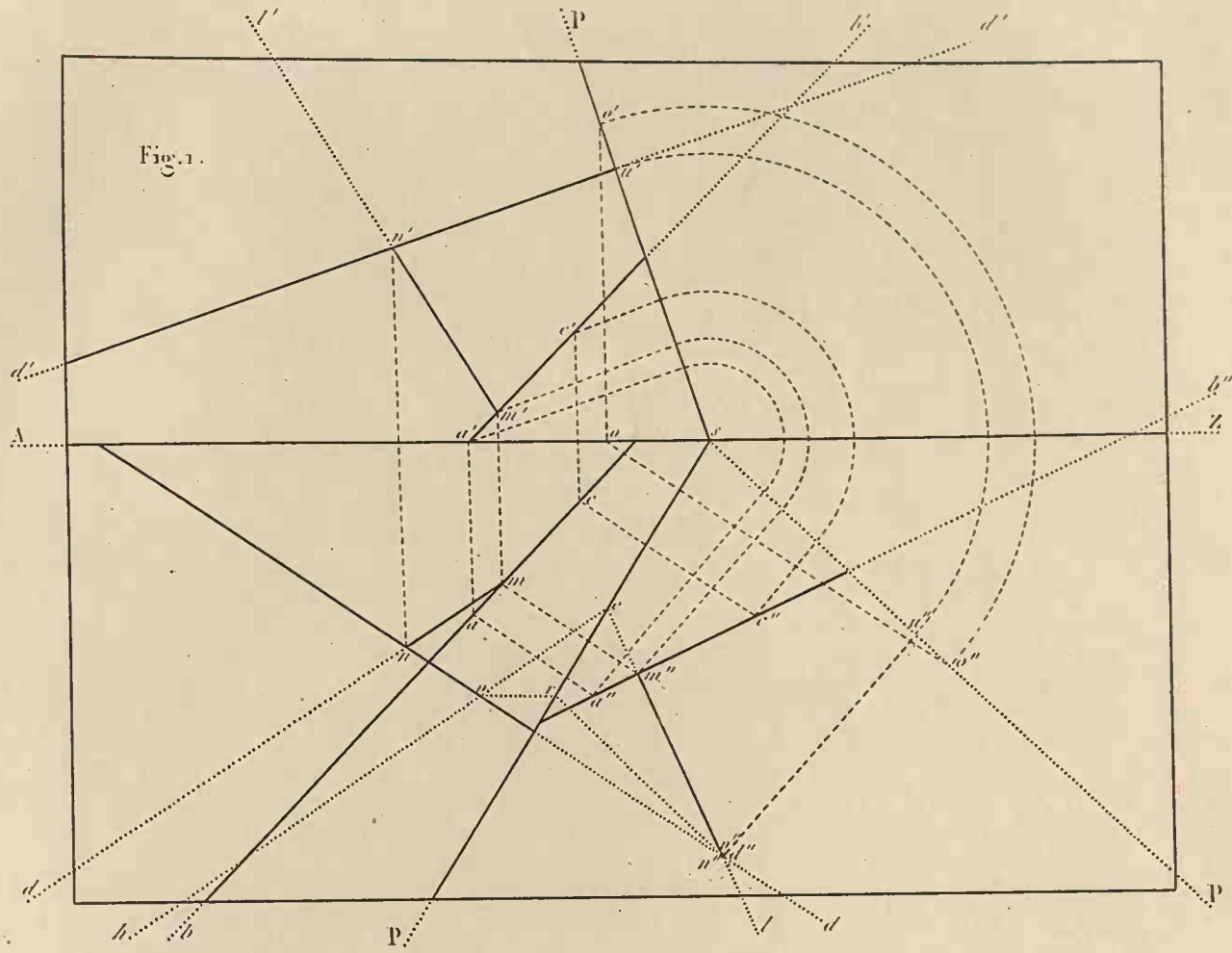
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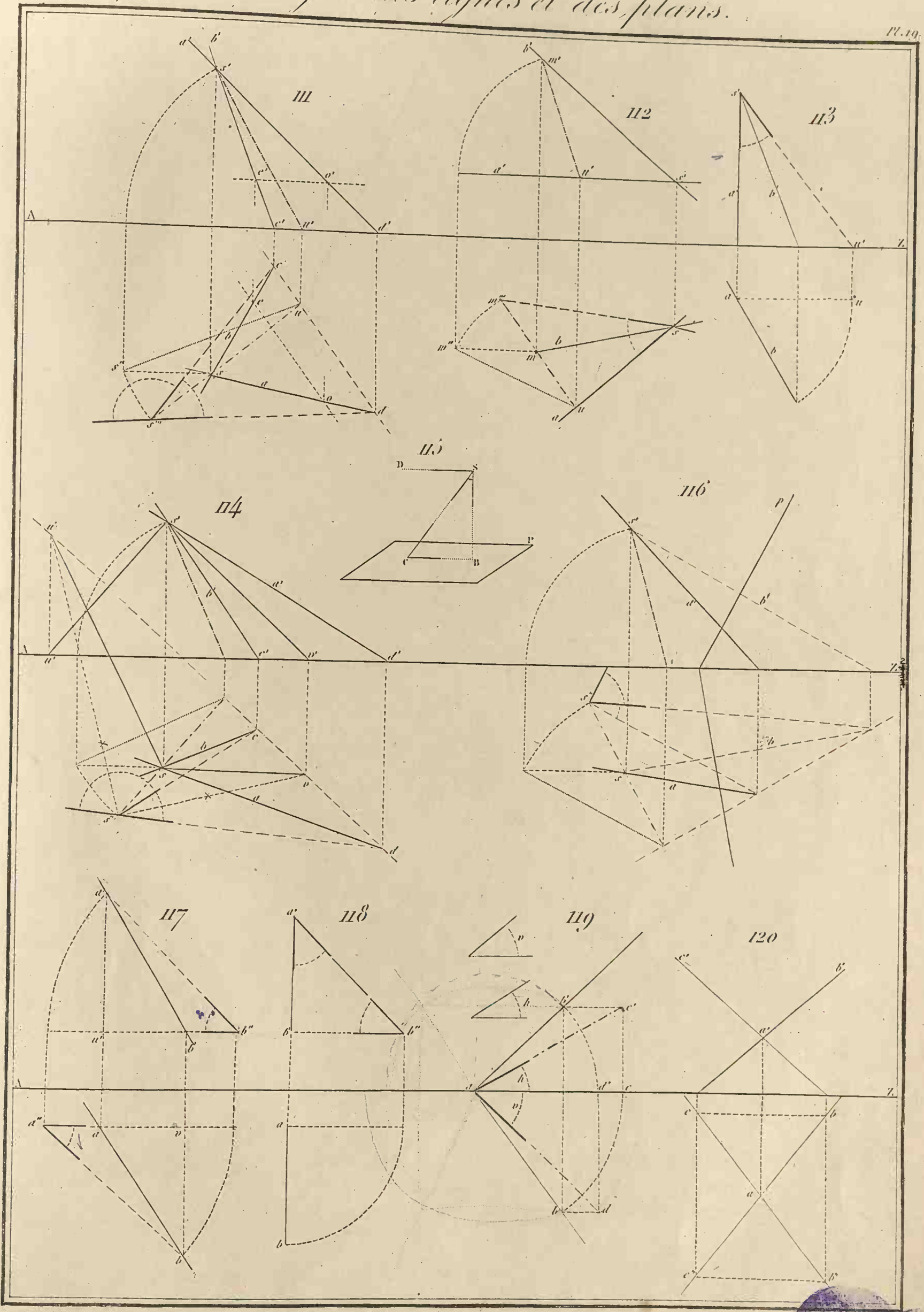
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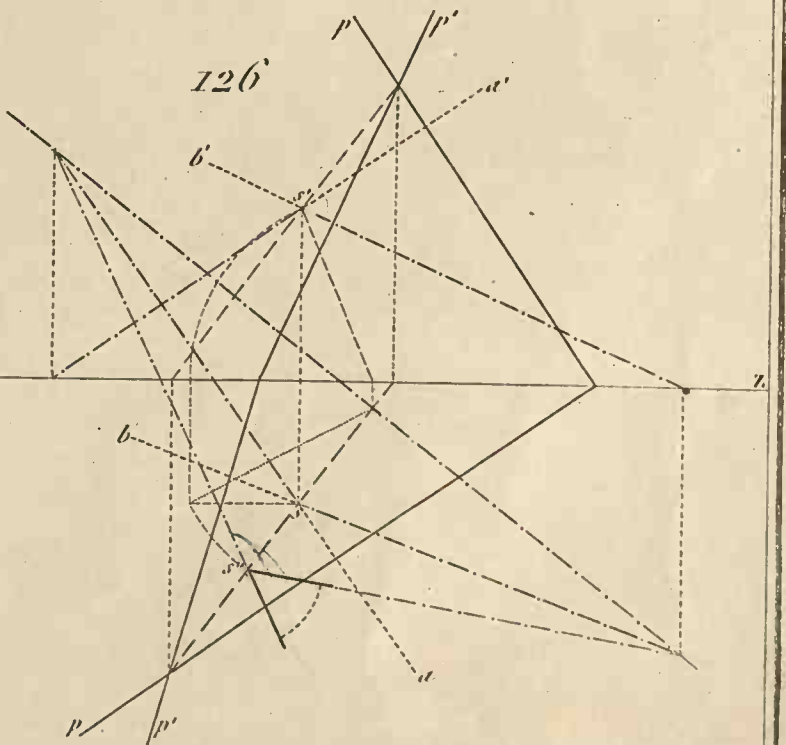
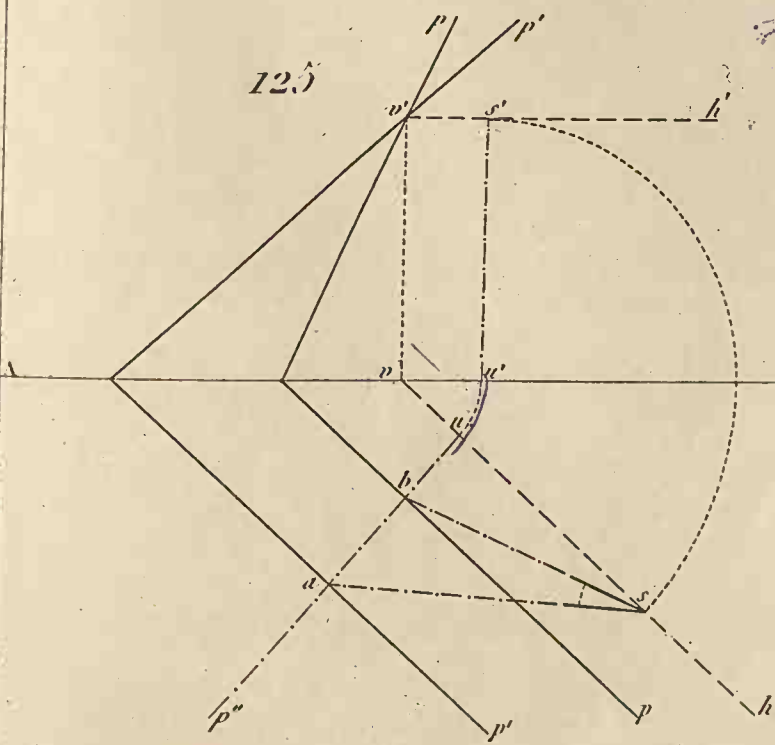
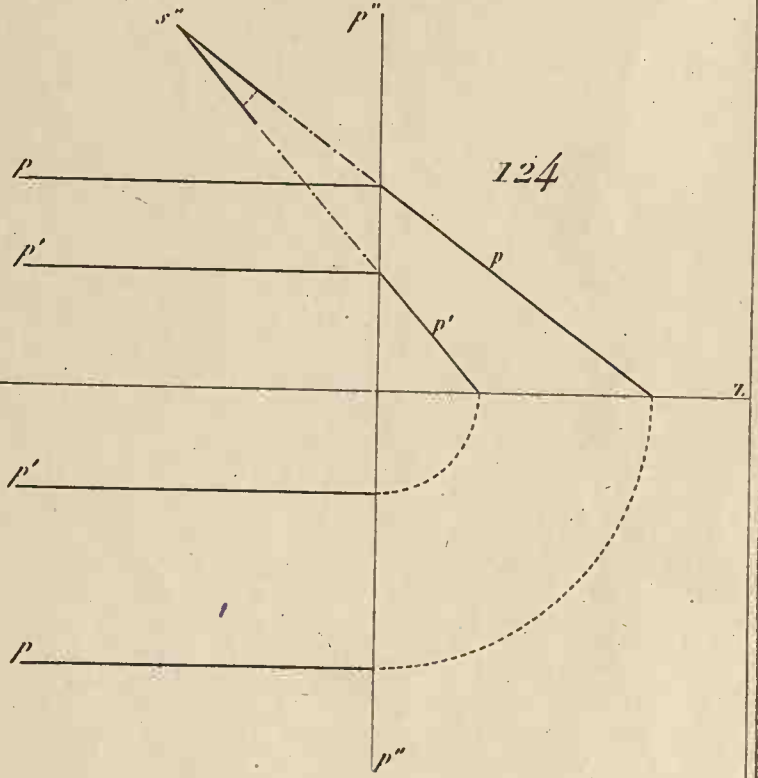
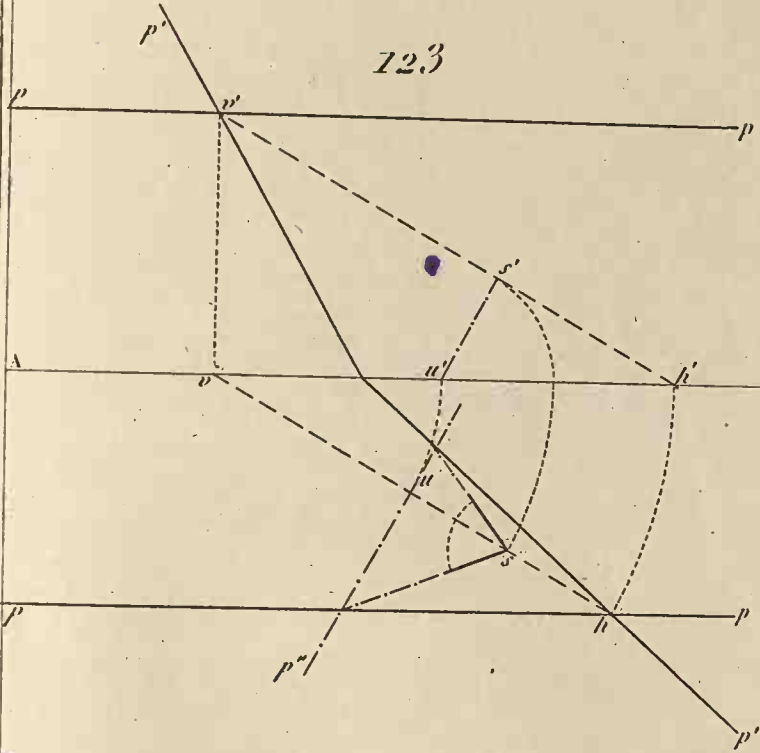
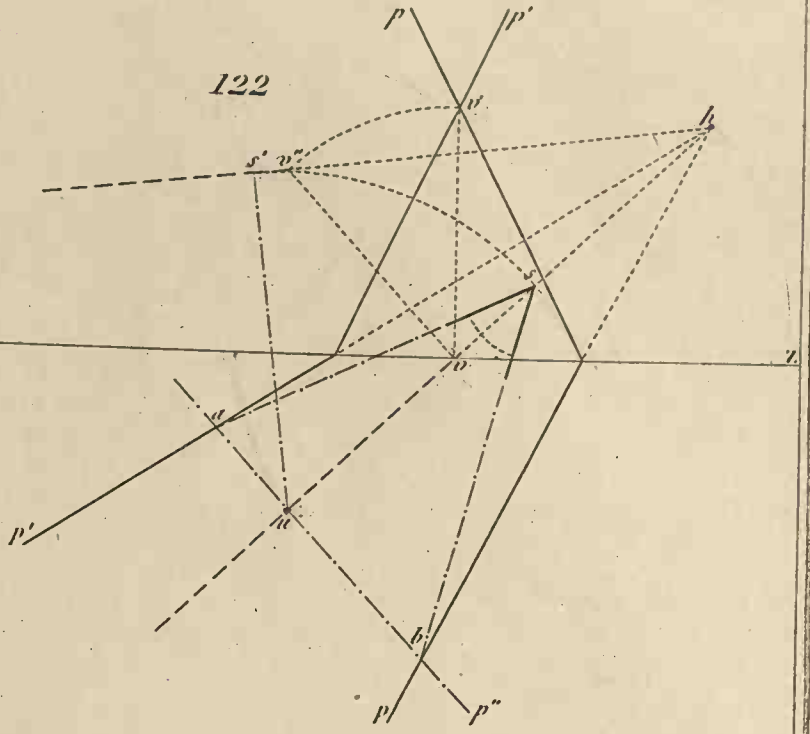
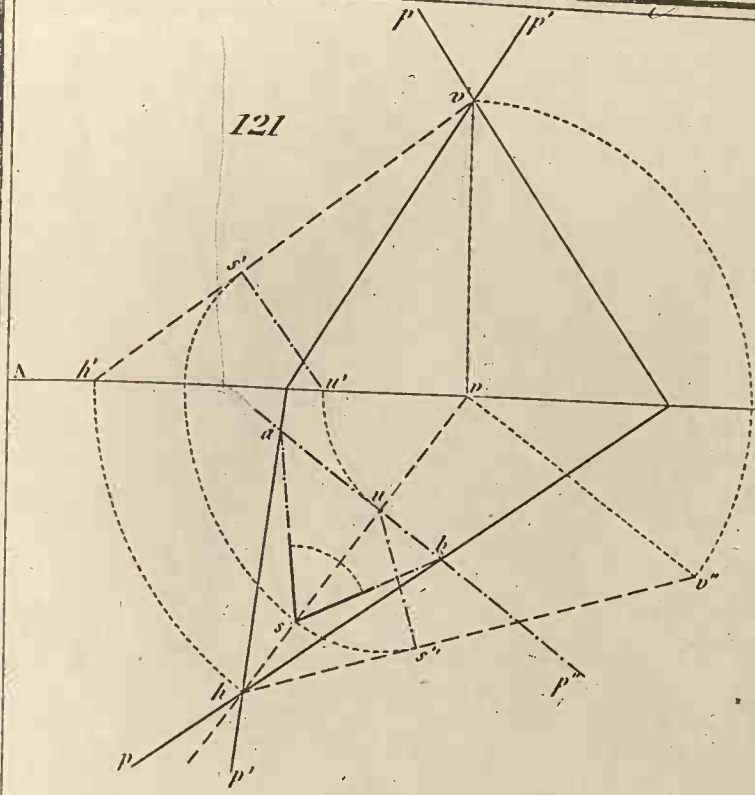


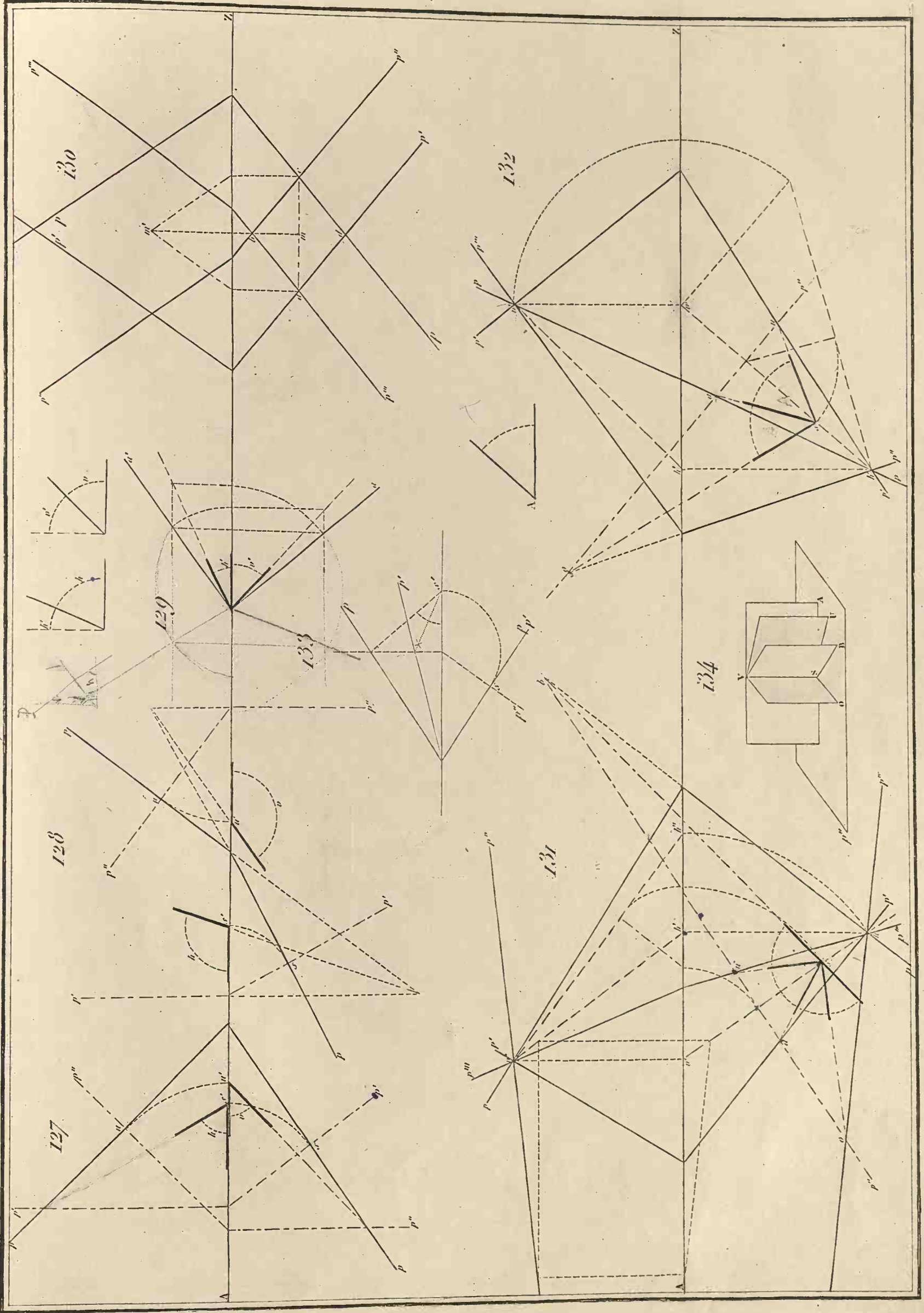
W. J. K. Geometrie



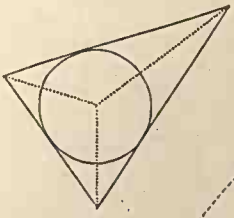






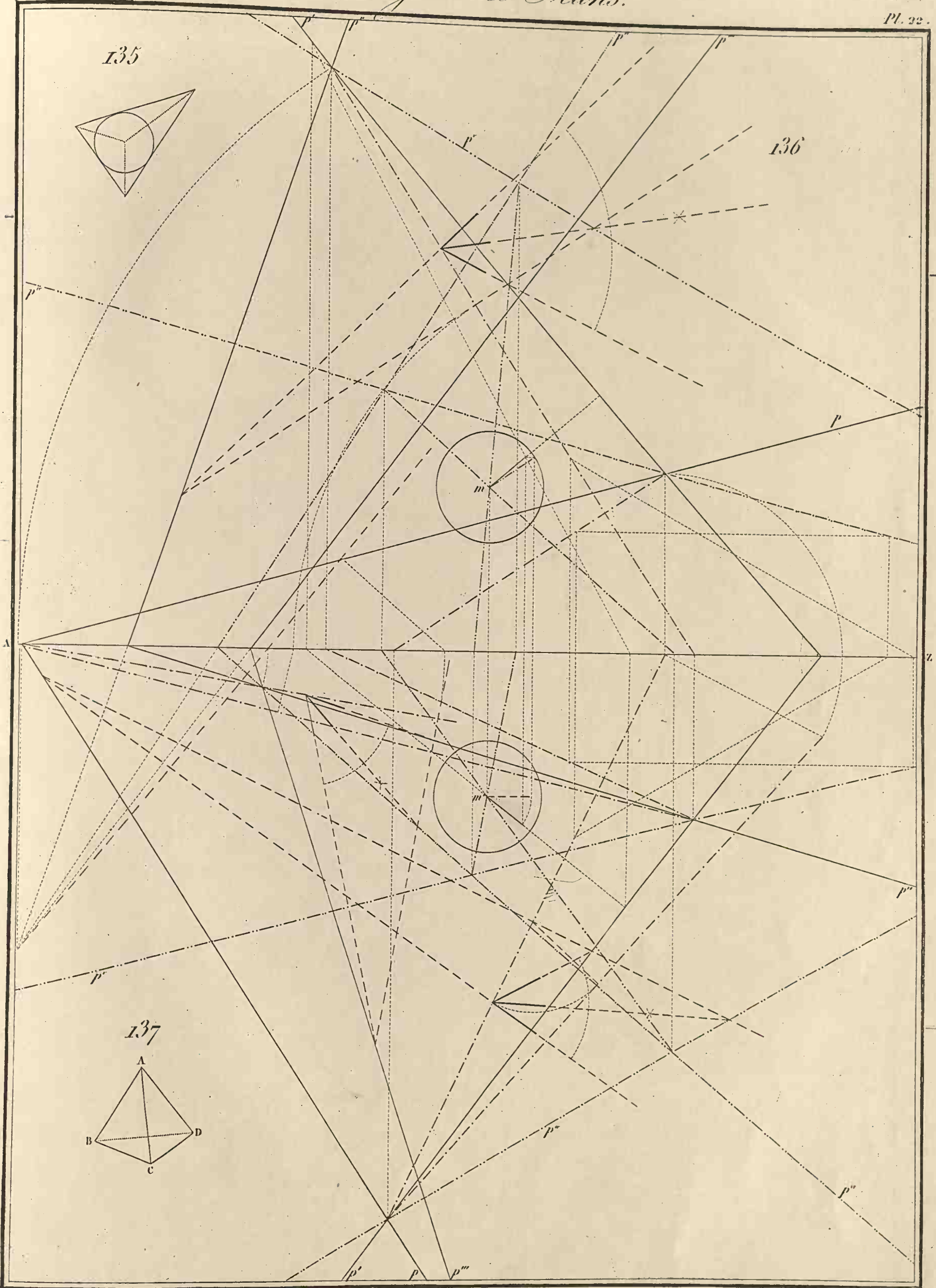
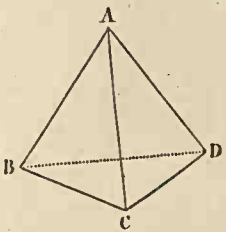


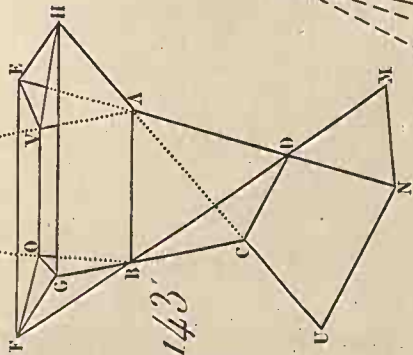
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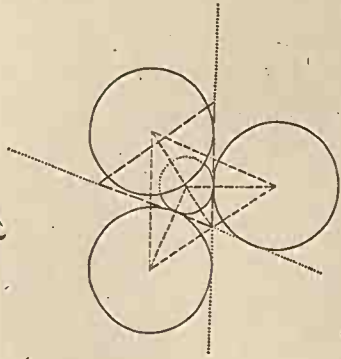
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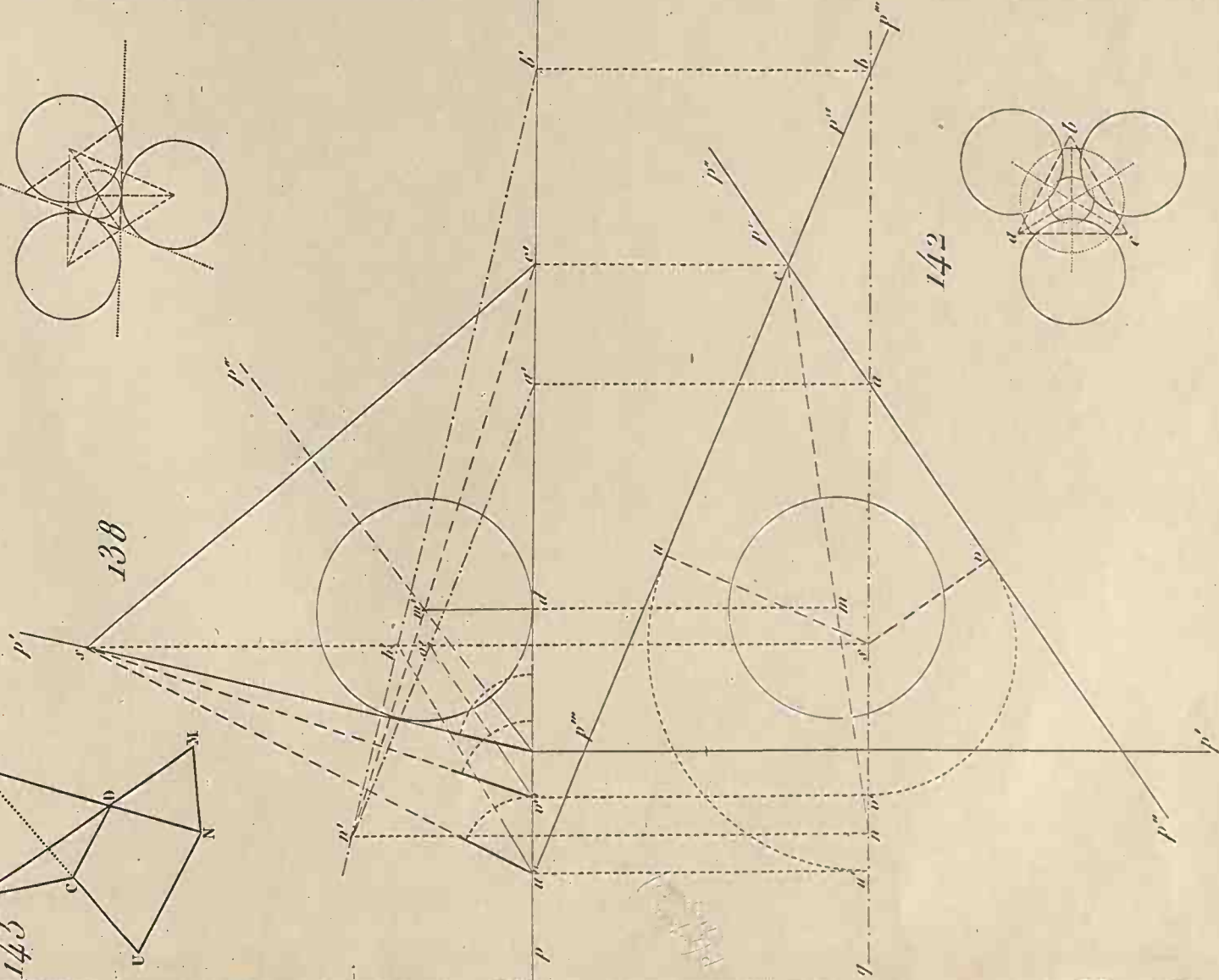


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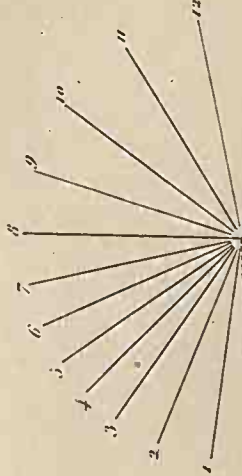


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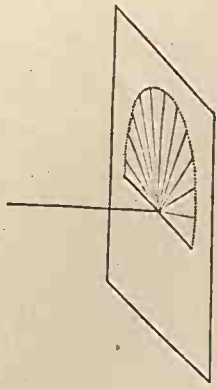


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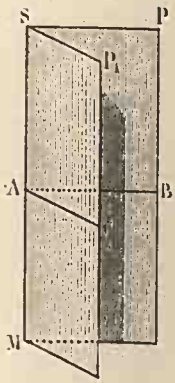


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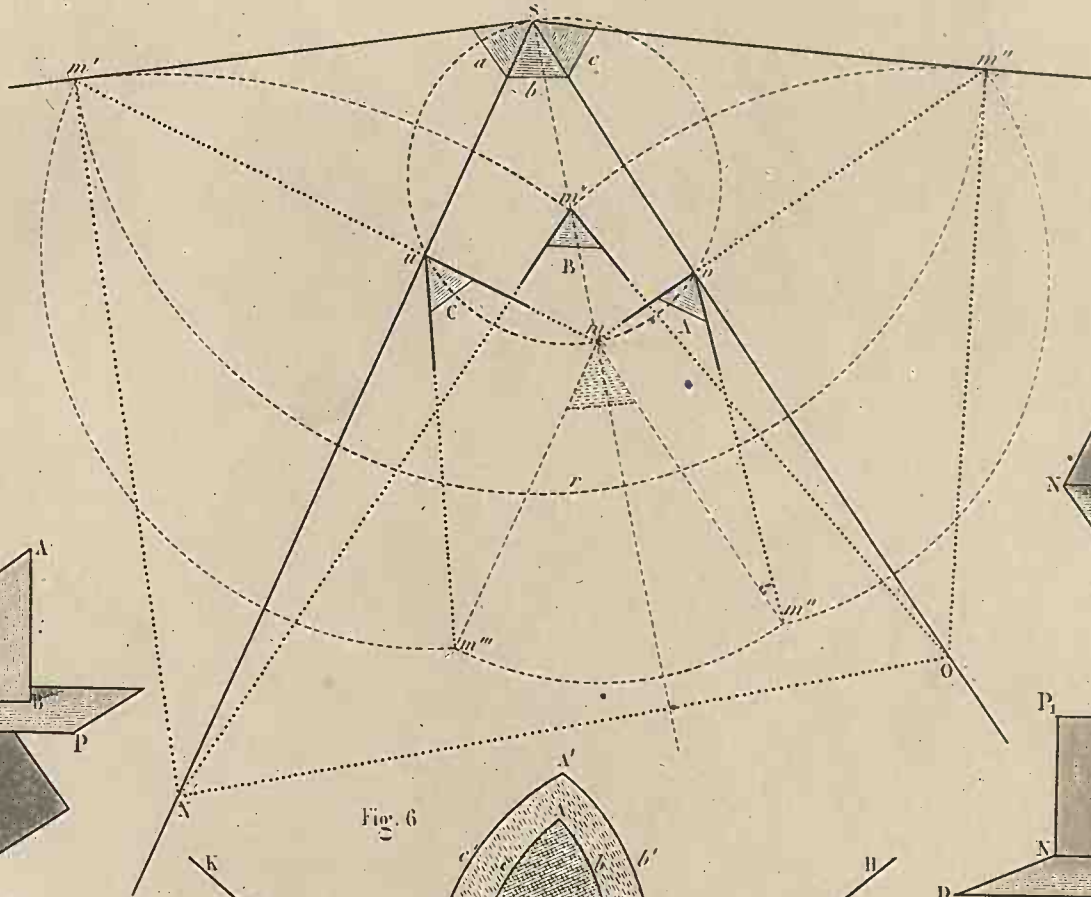


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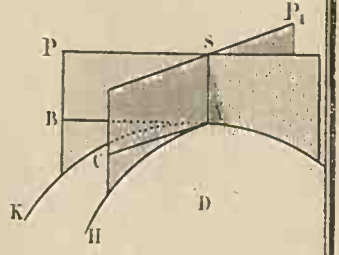


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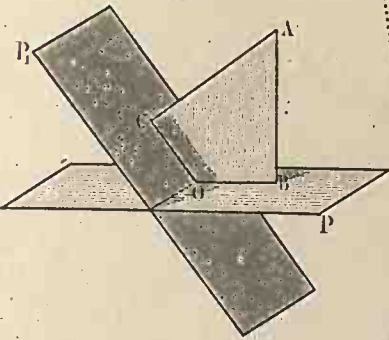


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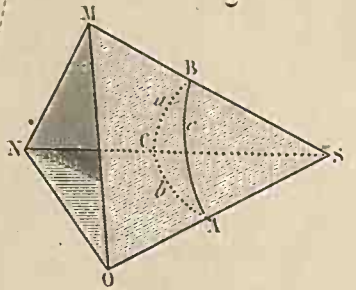


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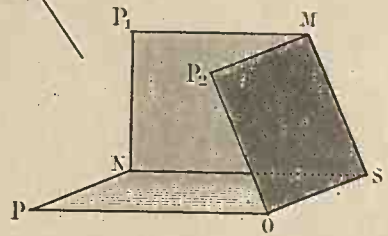


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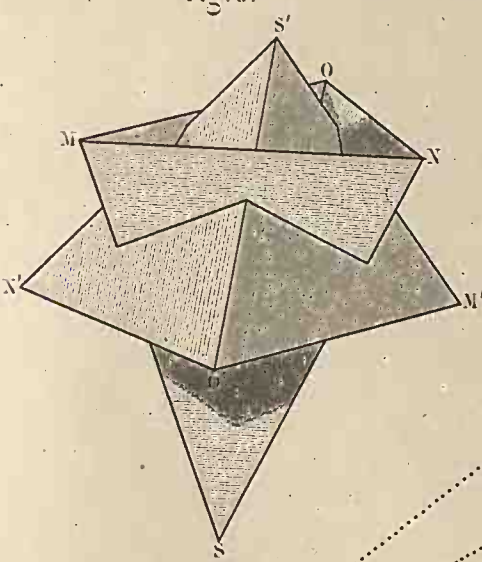


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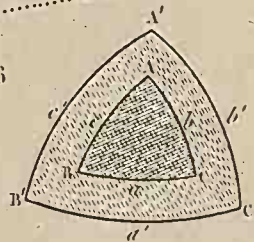


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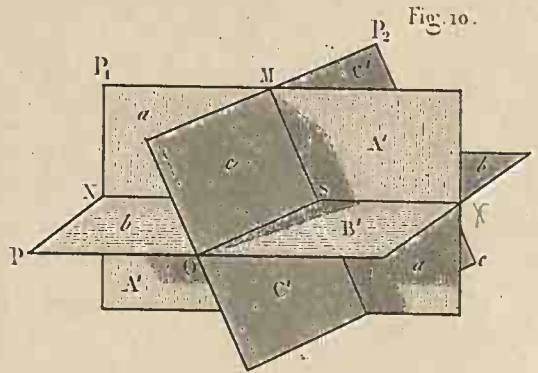


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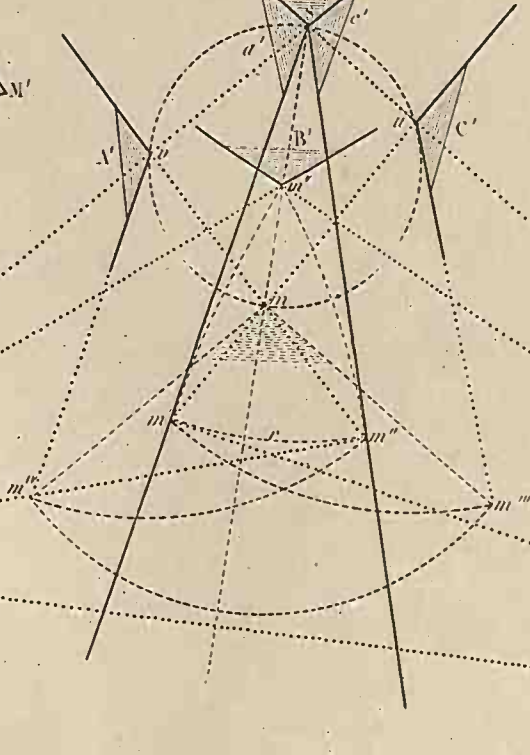


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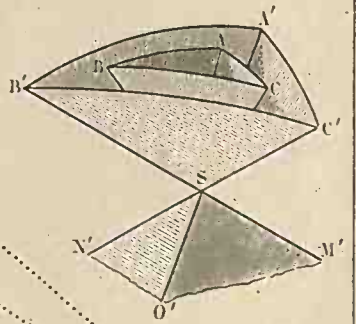


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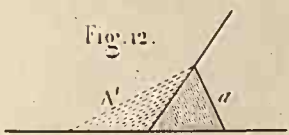


Fig. 13.



Fig. 14.



Fig. 15.

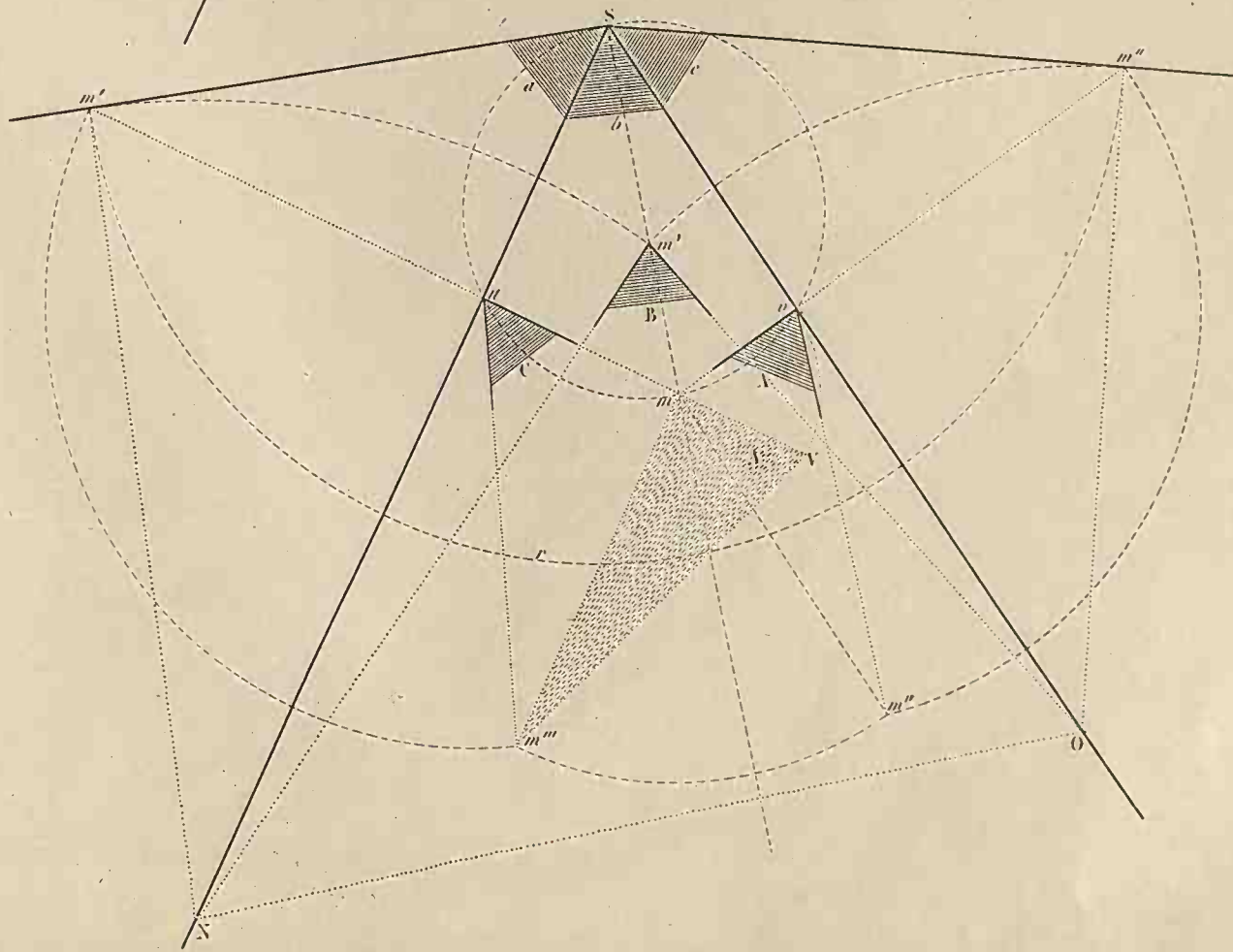
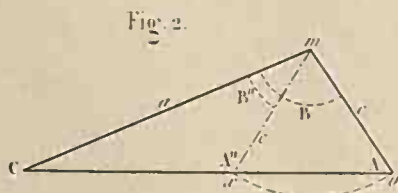
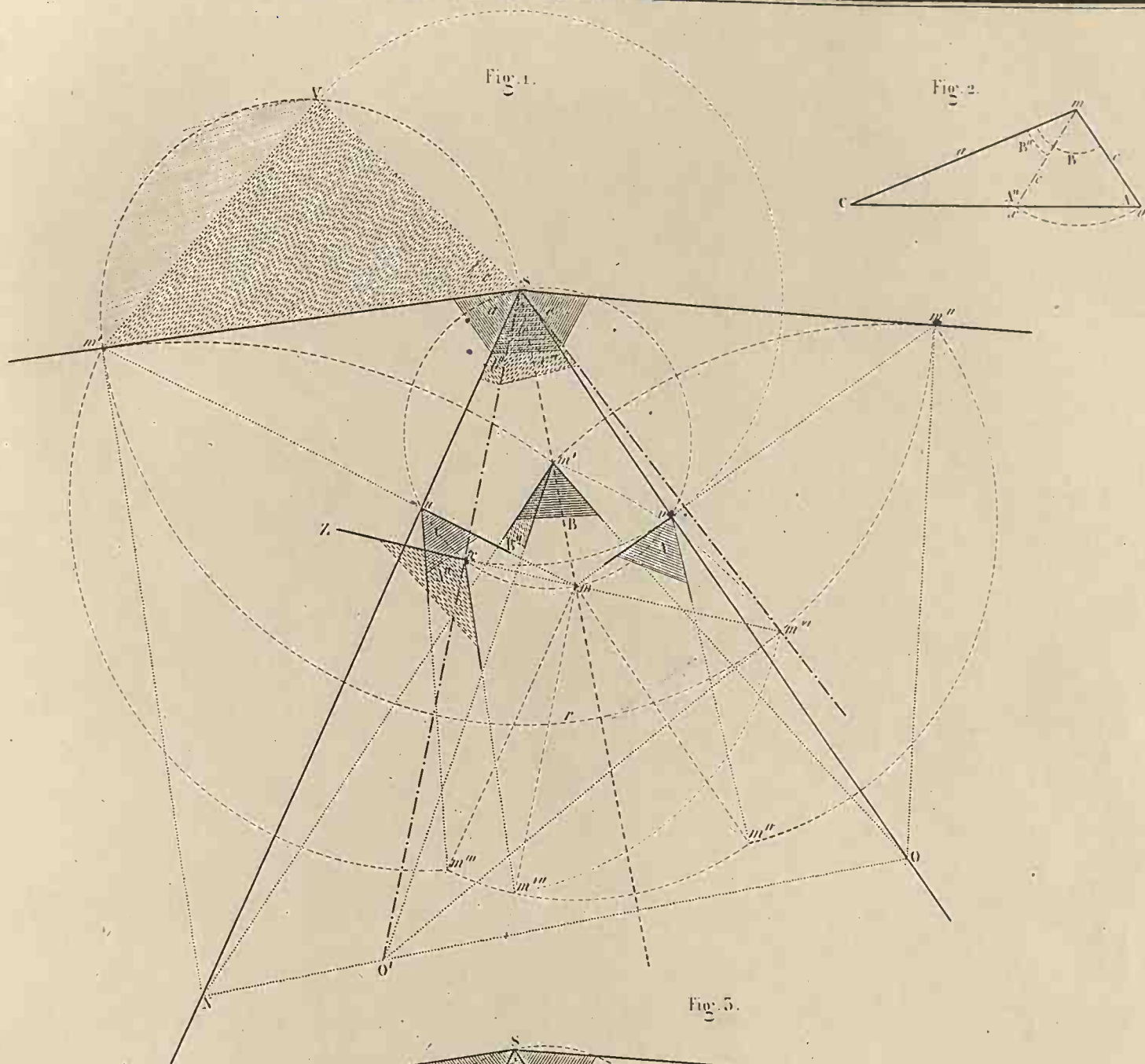


Fig. 16.



Fig. 17.





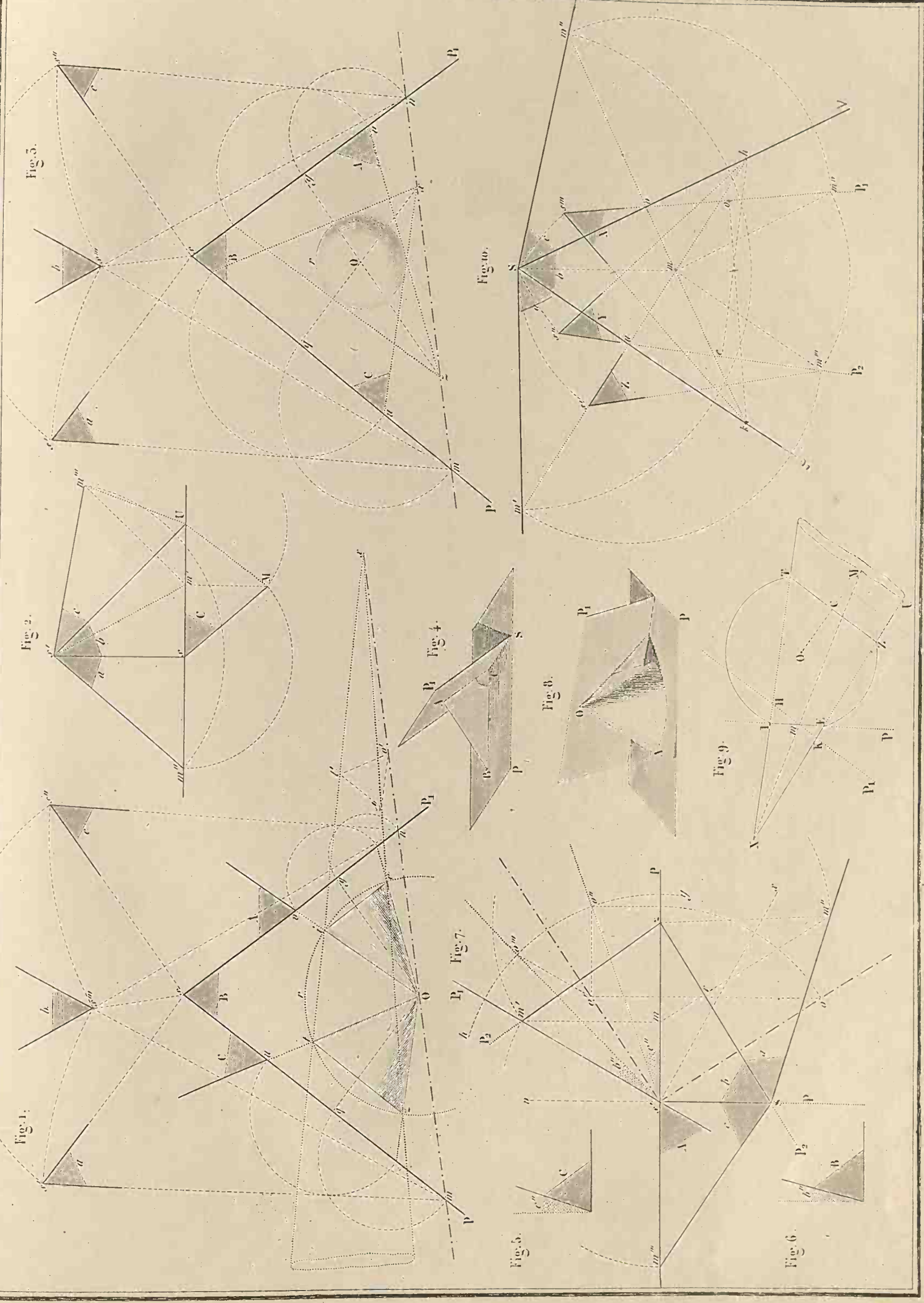
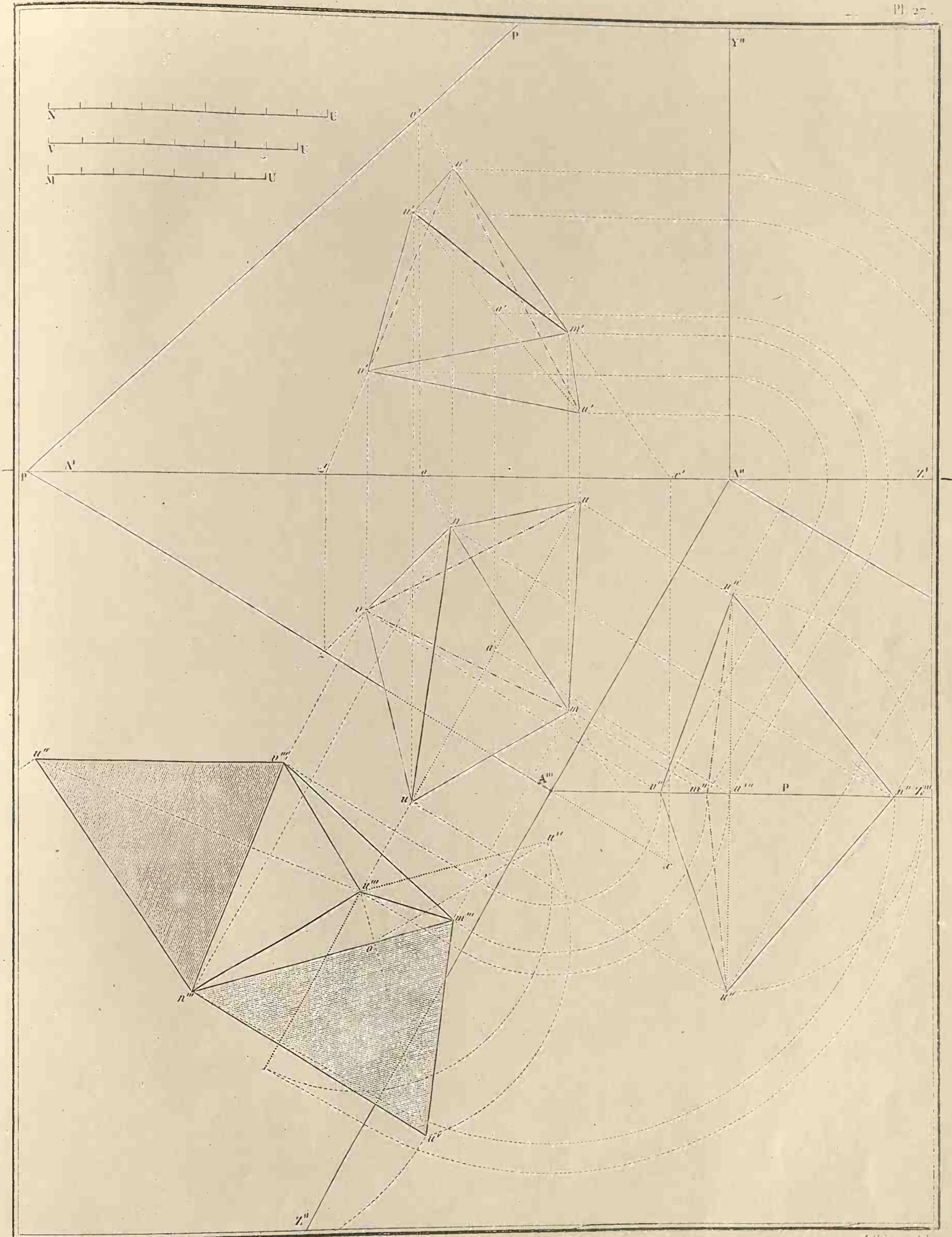
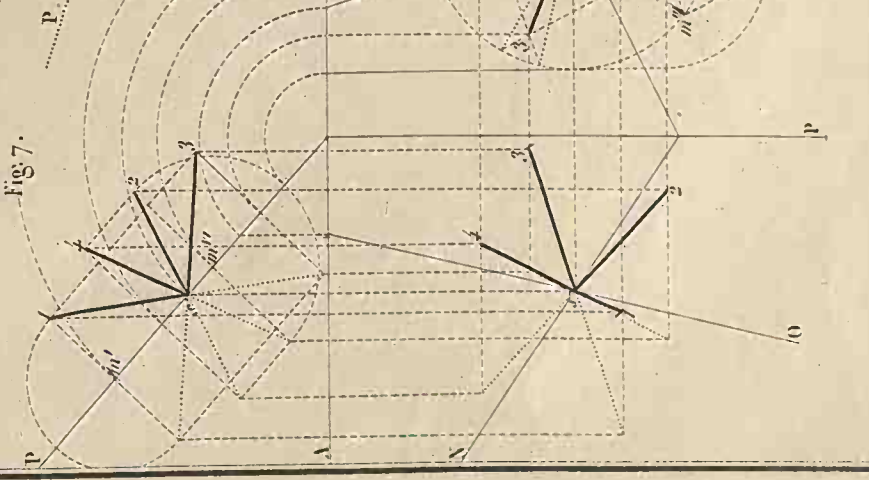
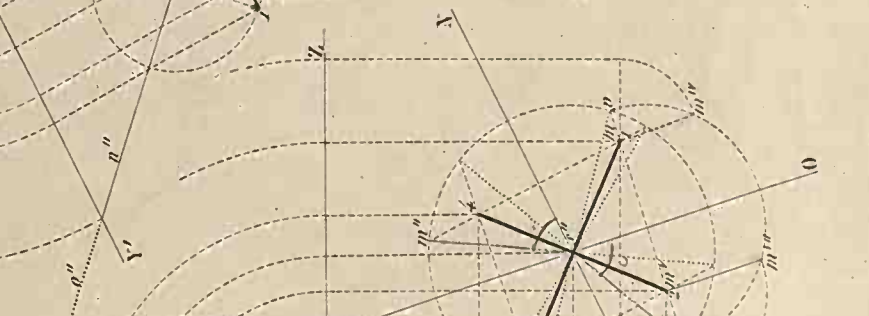
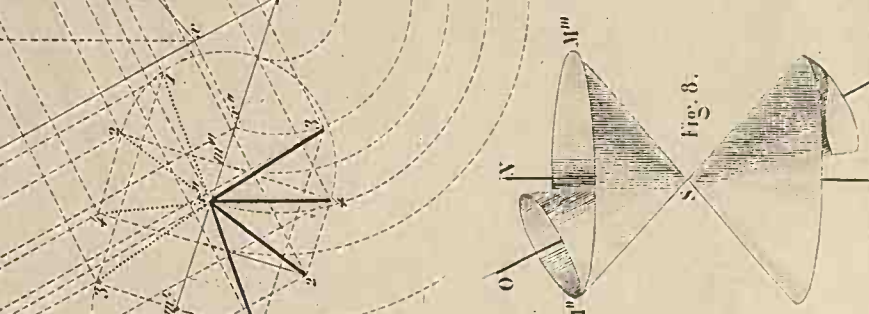
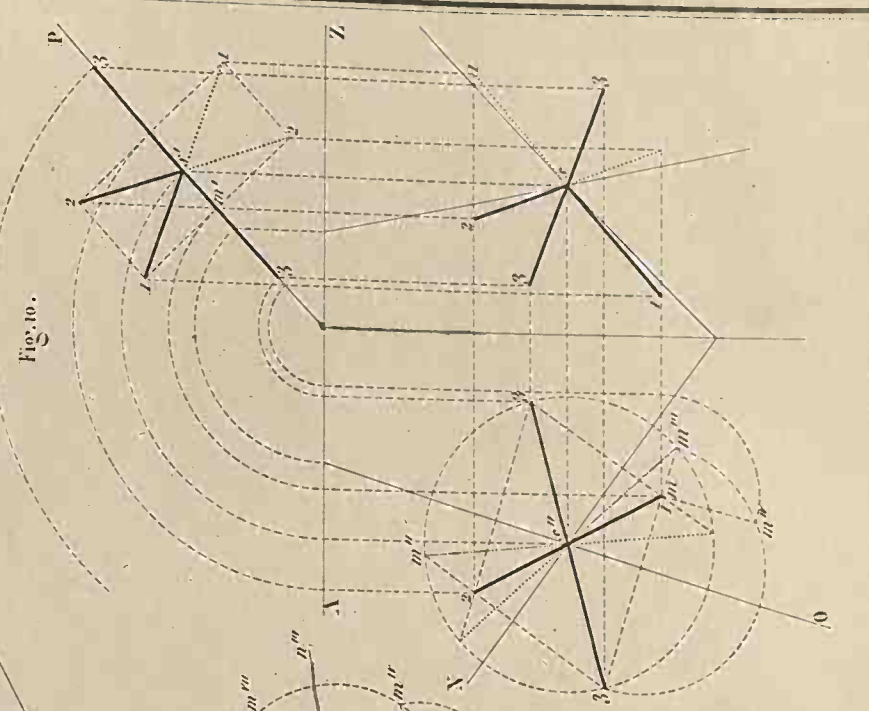
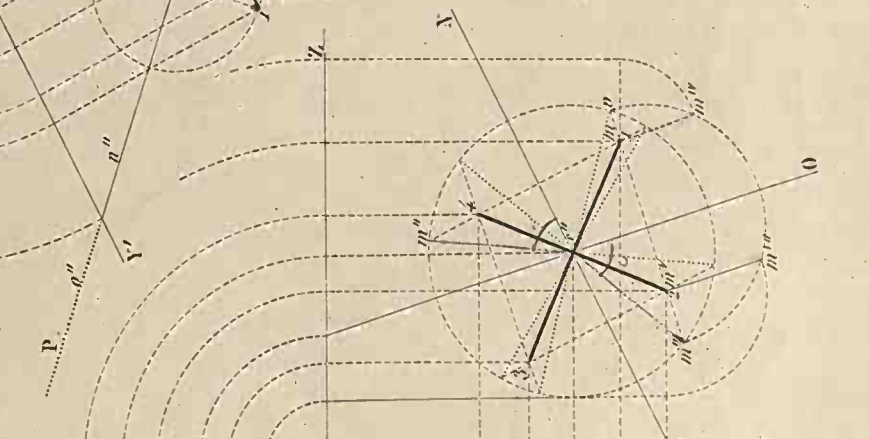
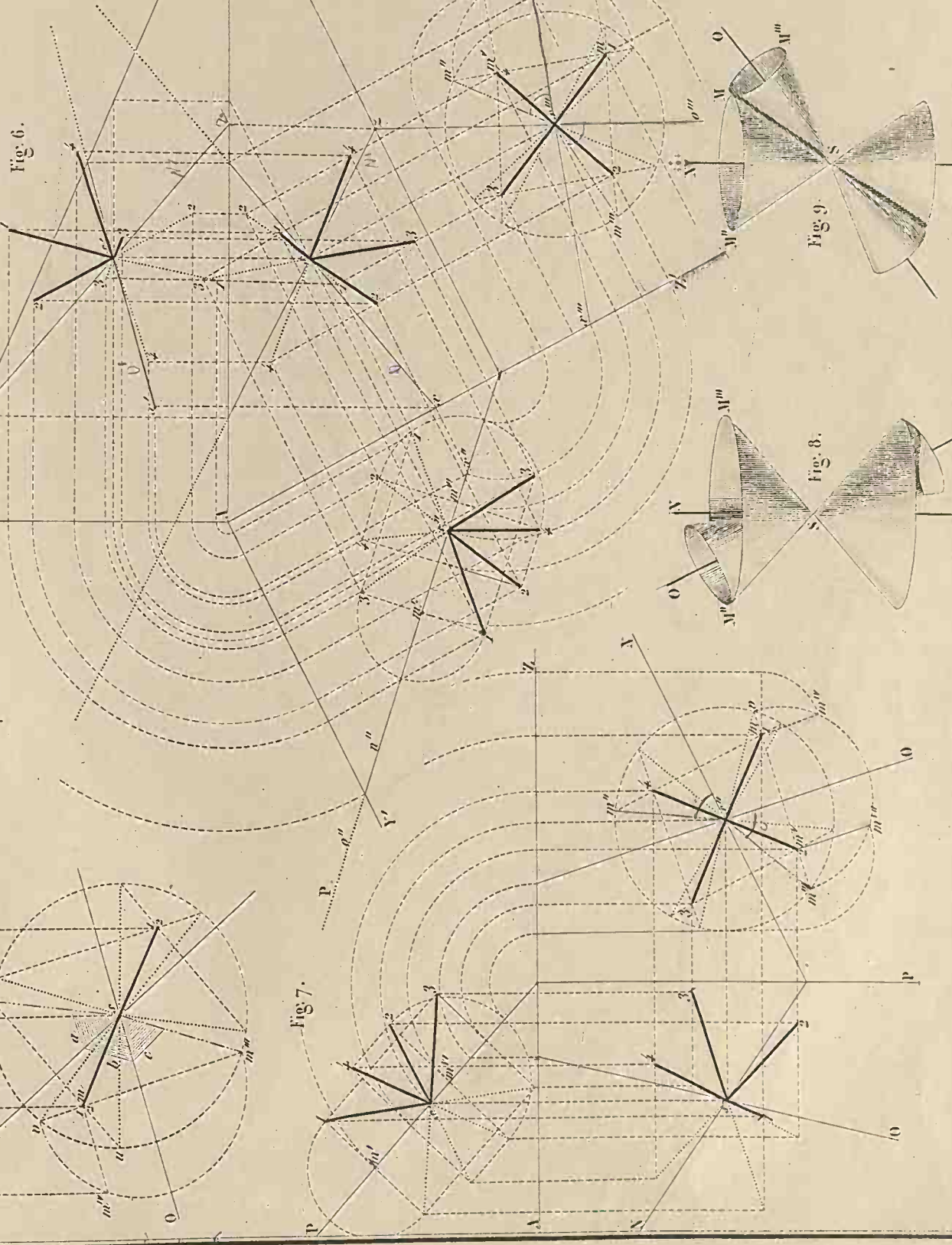
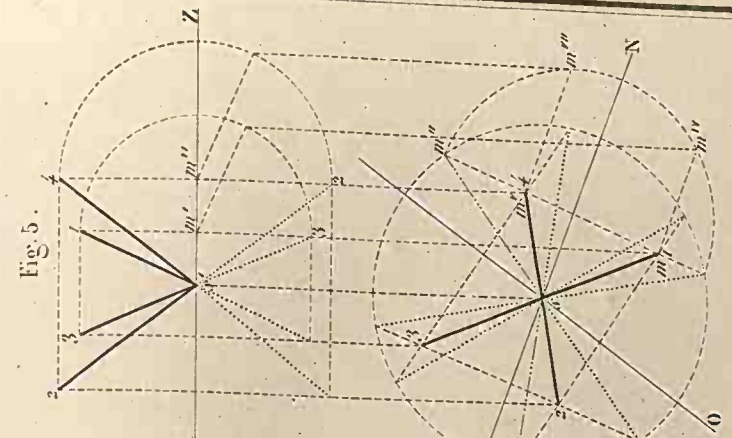
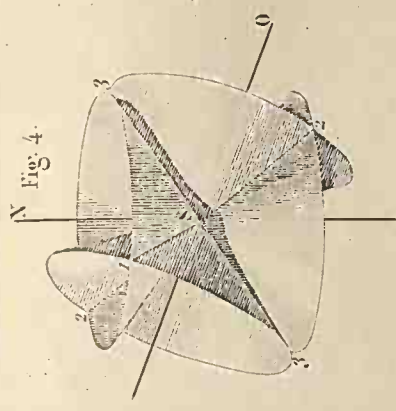
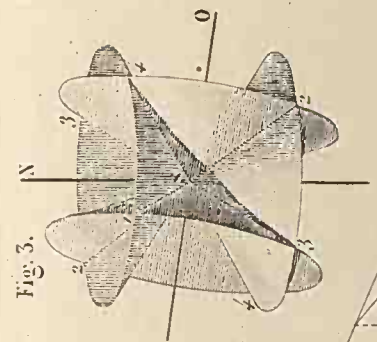
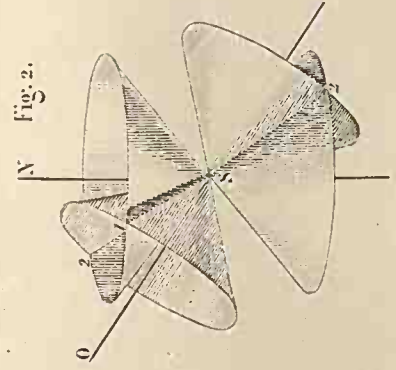
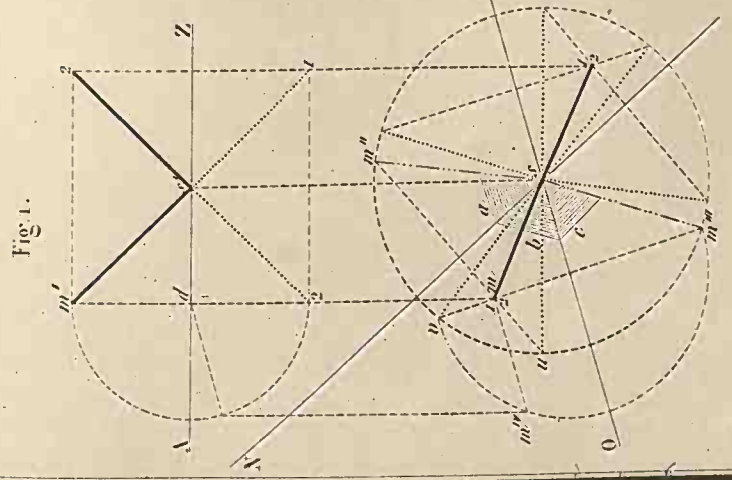
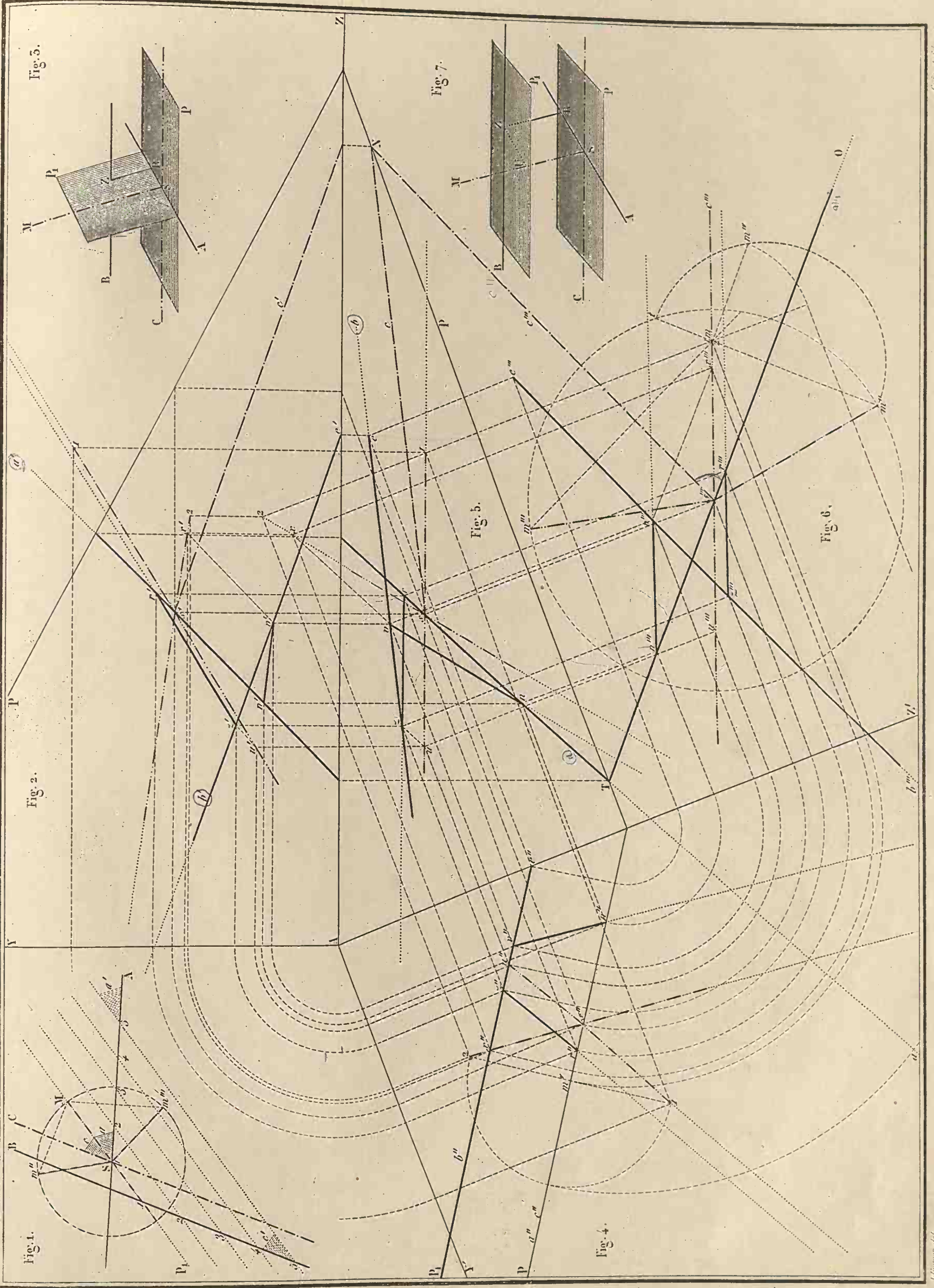


Fig. 10.

Fig. 6.







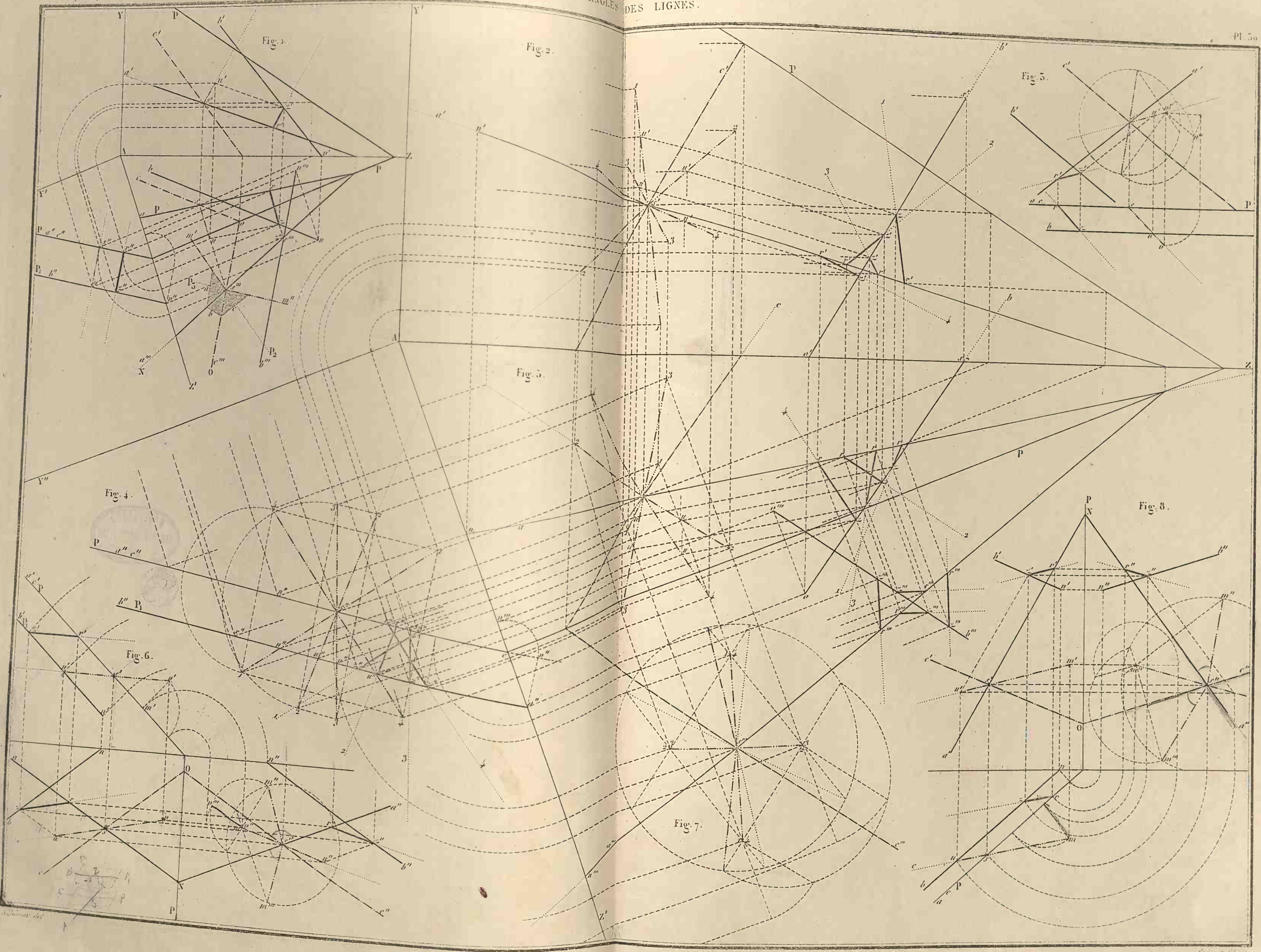


Fig. 1.

Fig. 2.

Fig. 5.

Fig. 3.

Fig. 4.

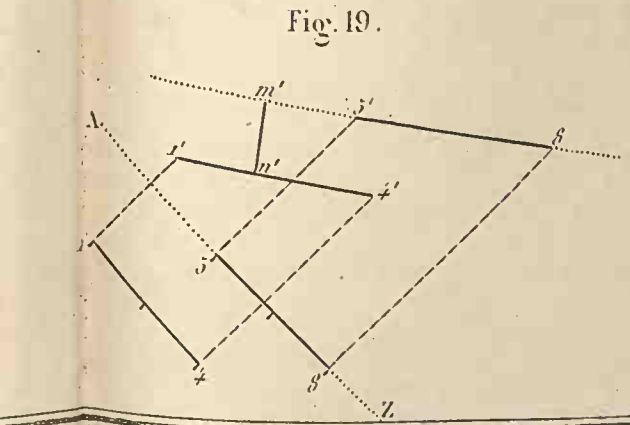
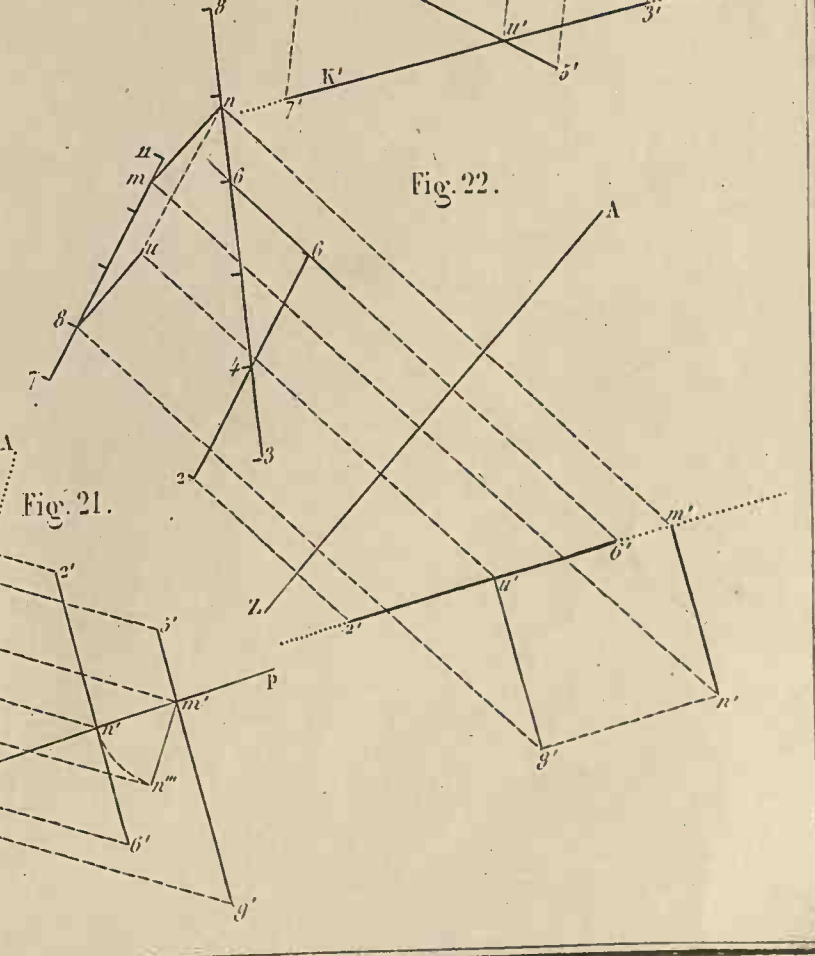
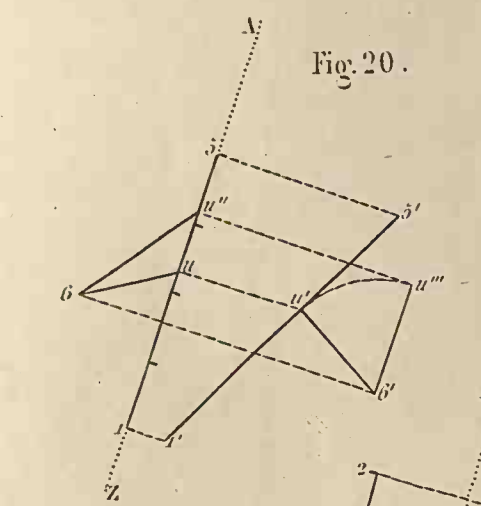
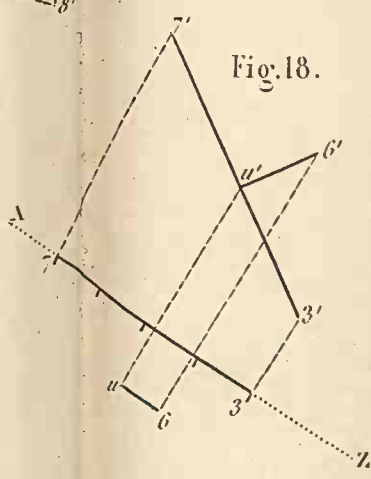
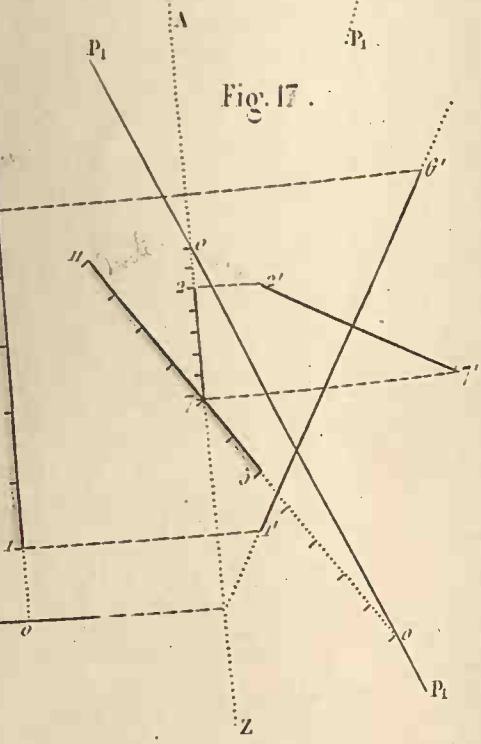
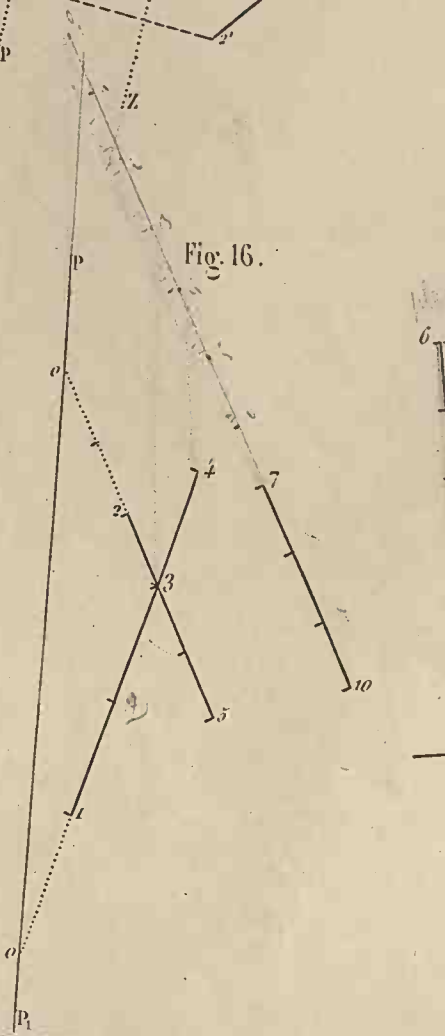
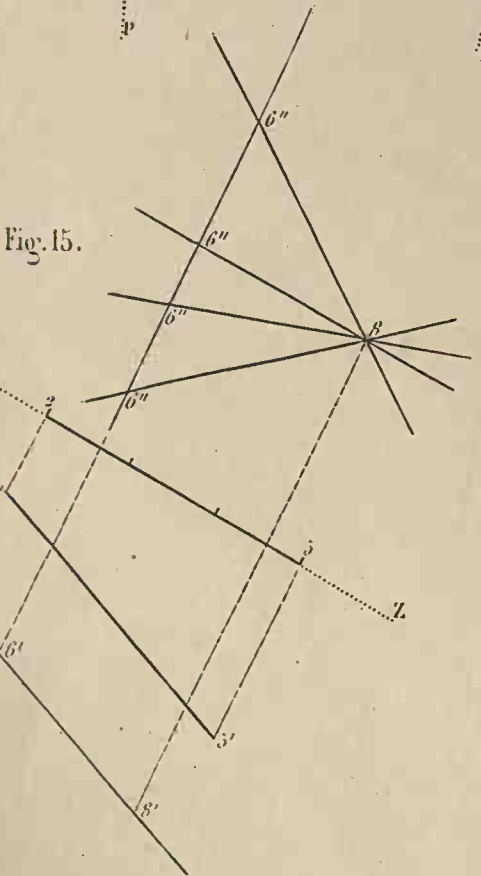
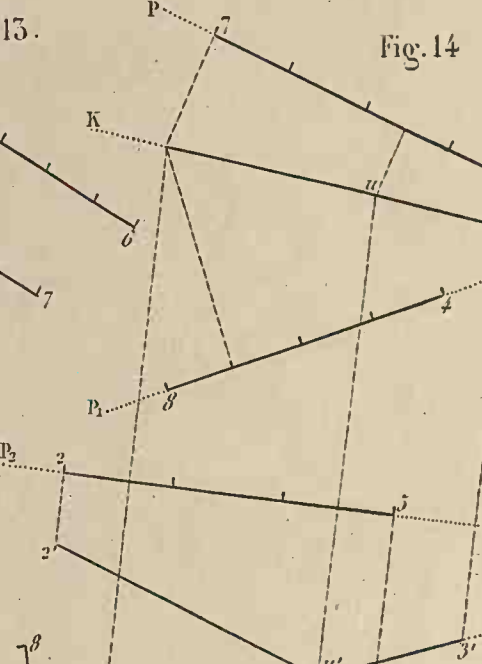
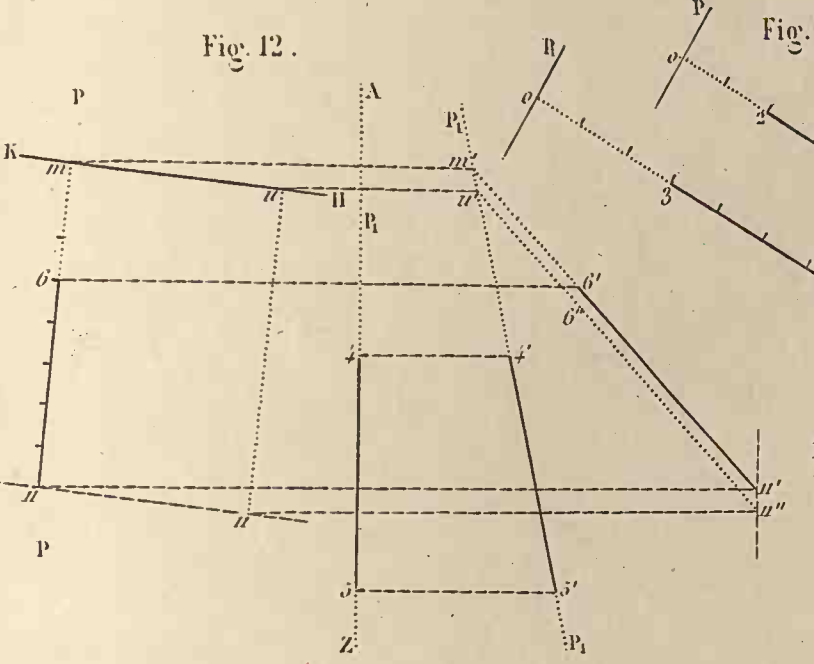
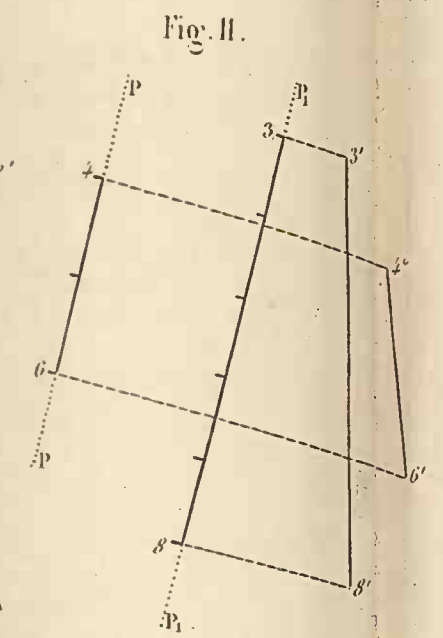
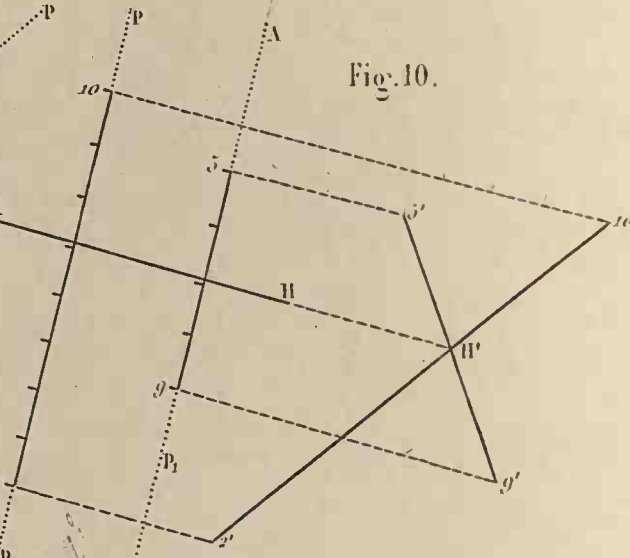
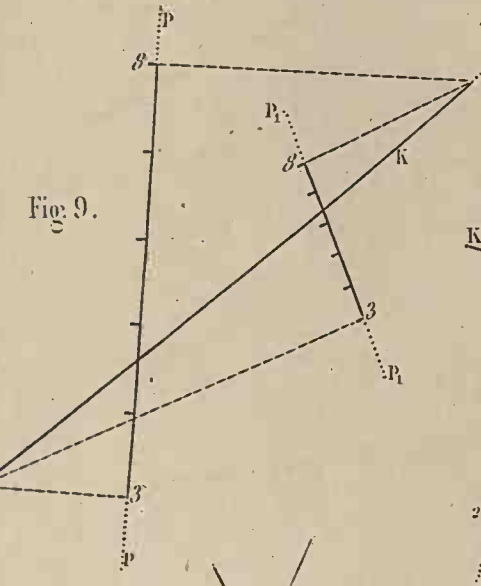
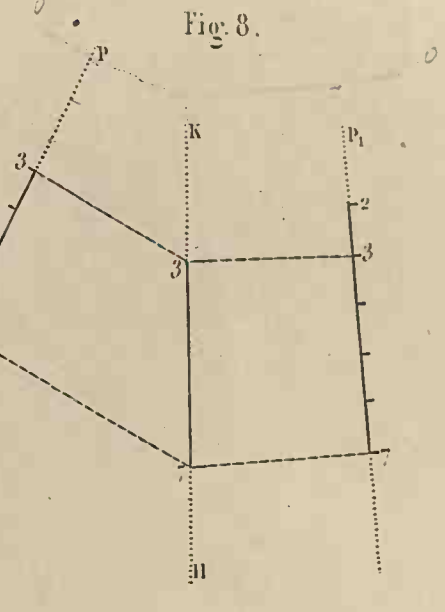
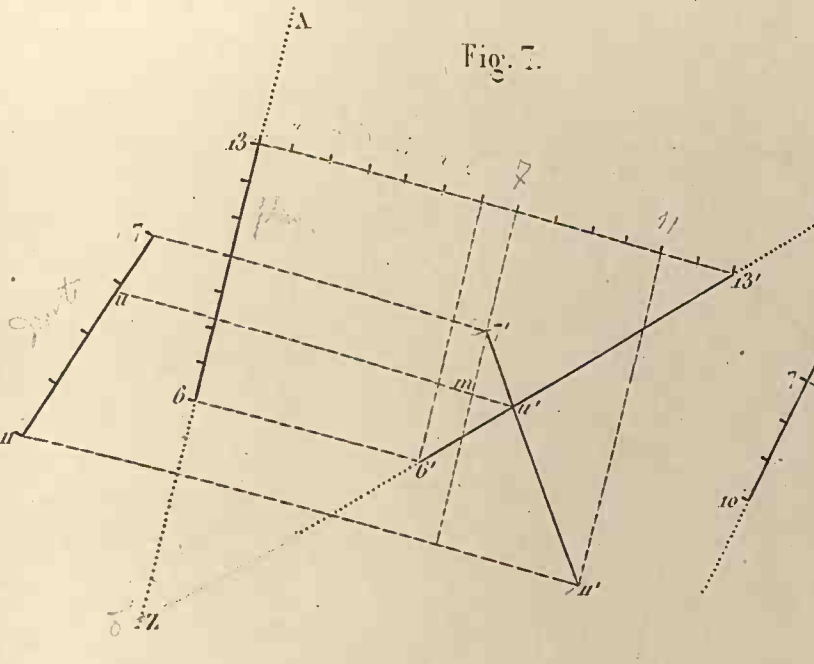
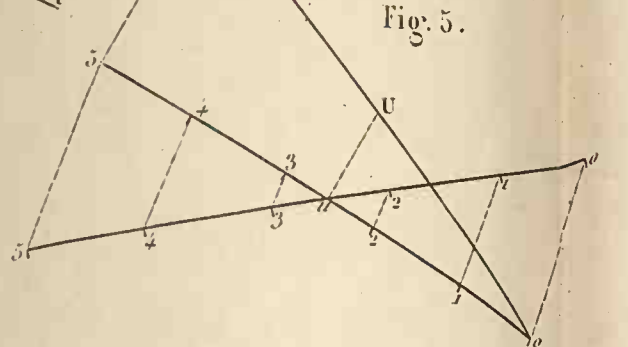
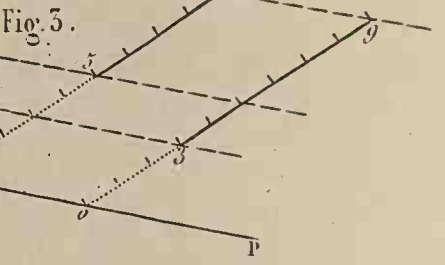
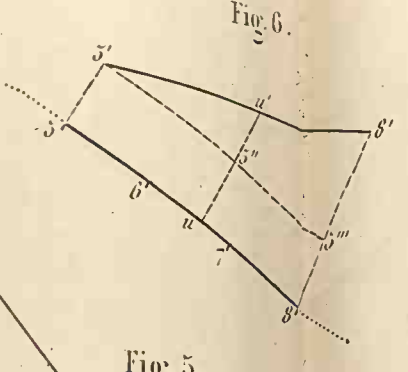
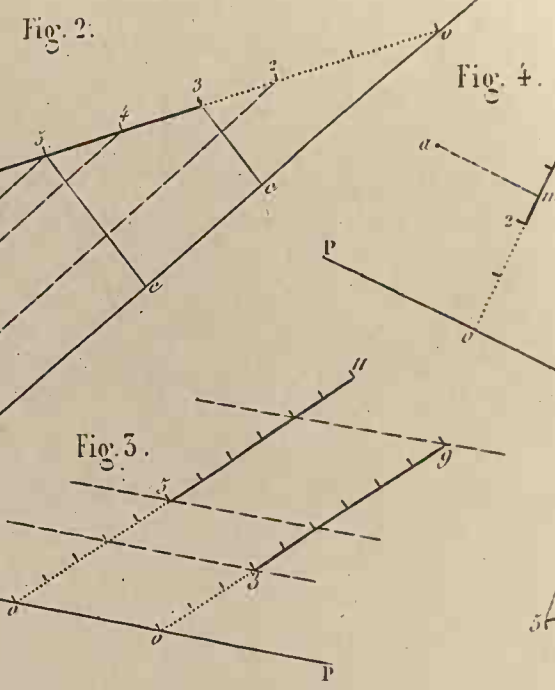
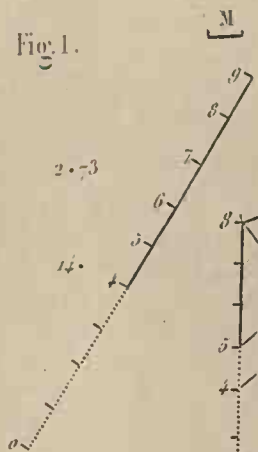
Fig. 8.

Fig. 6.

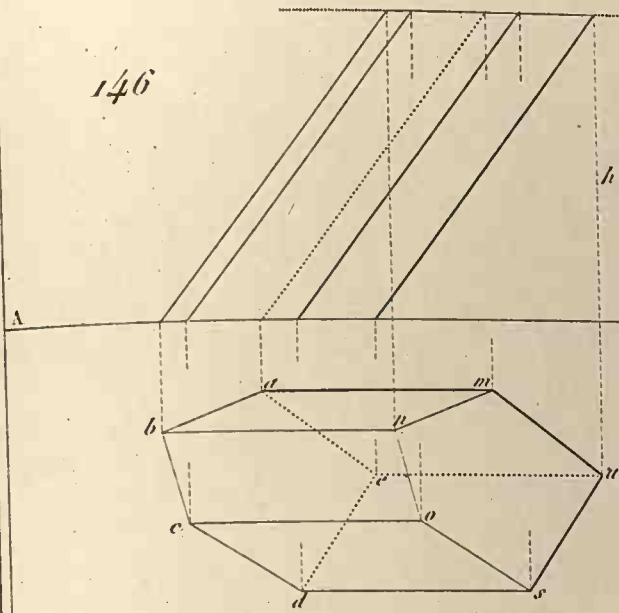
Fig. 7.

Del.

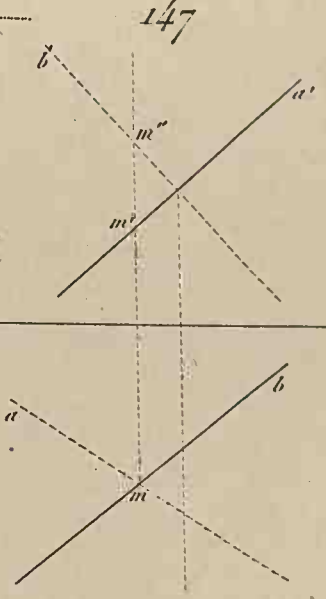
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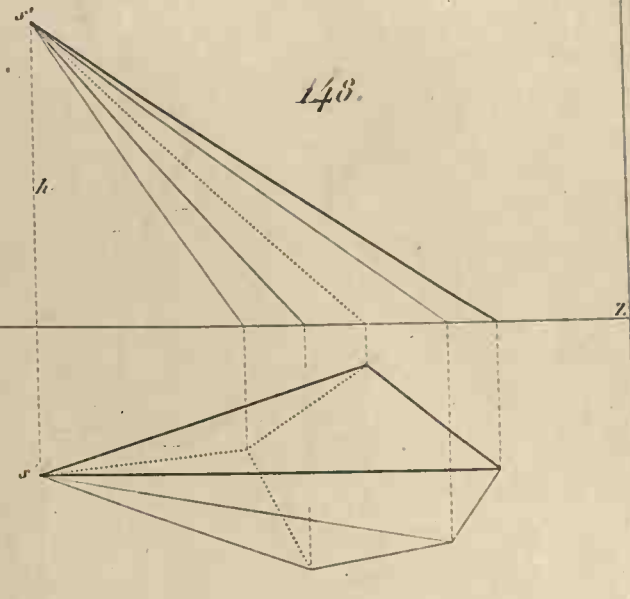
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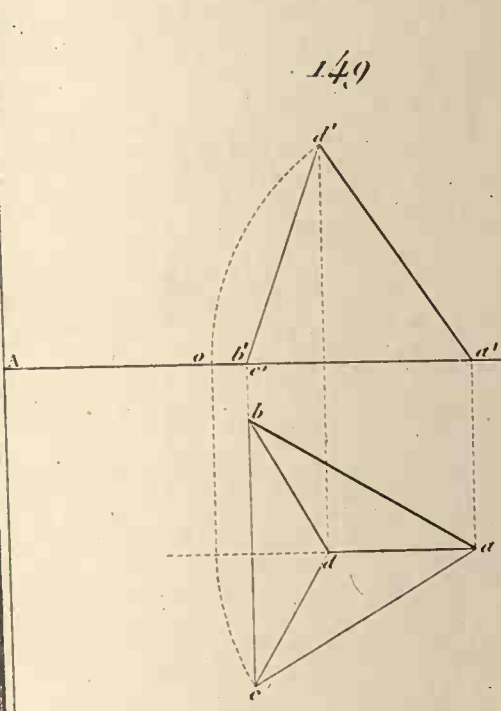
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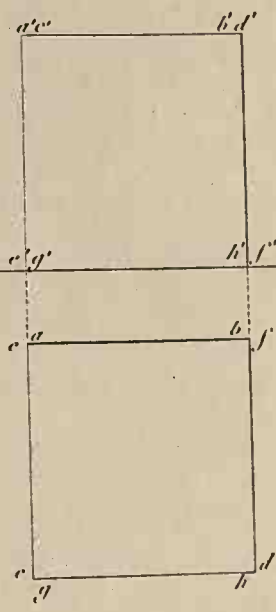
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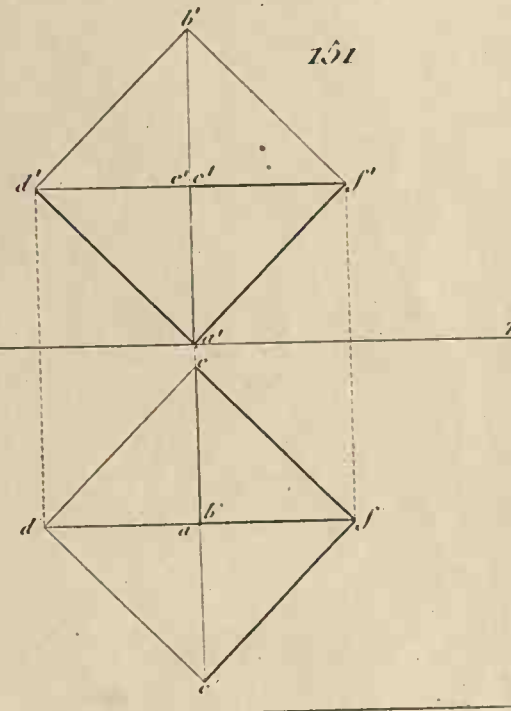
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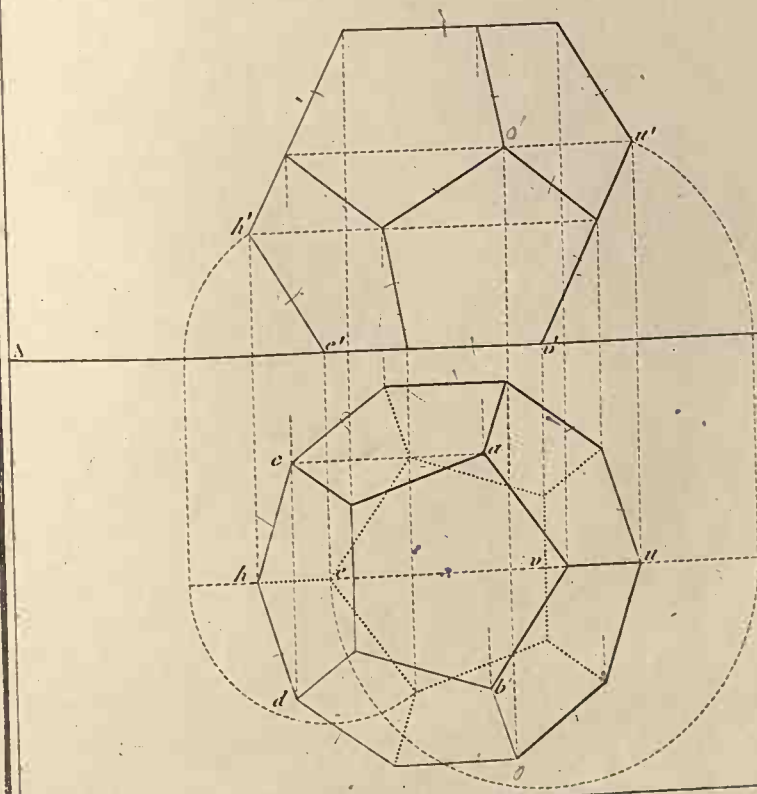
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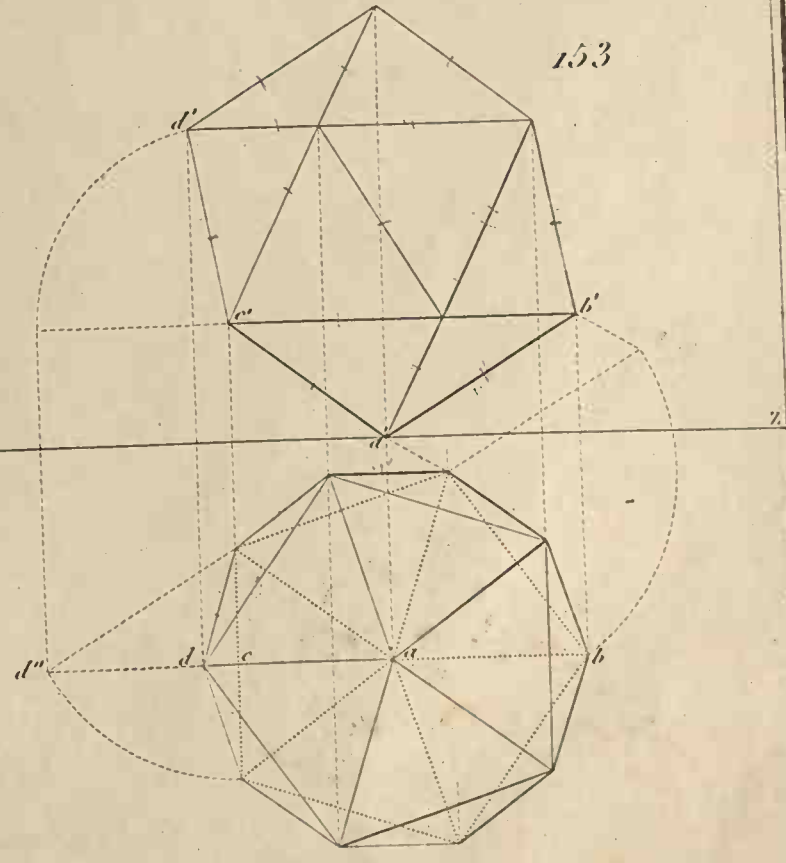
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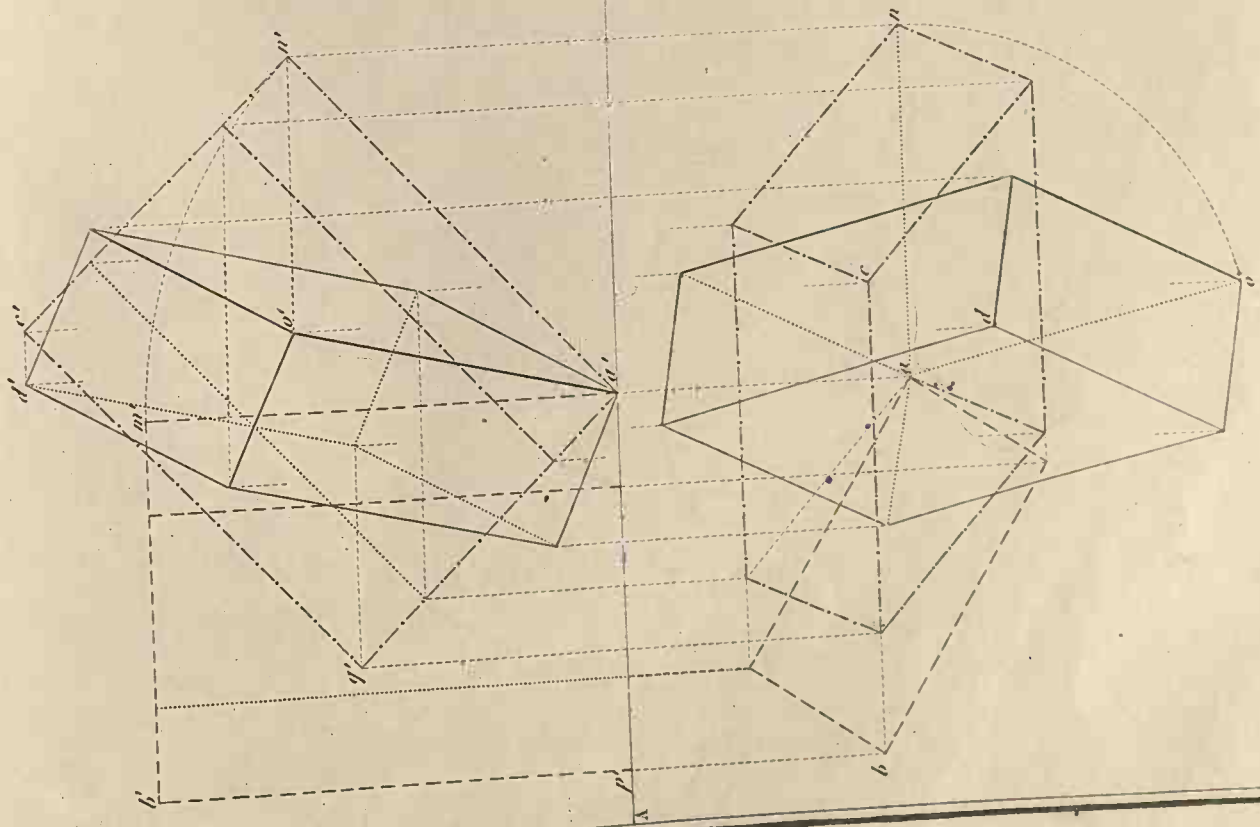
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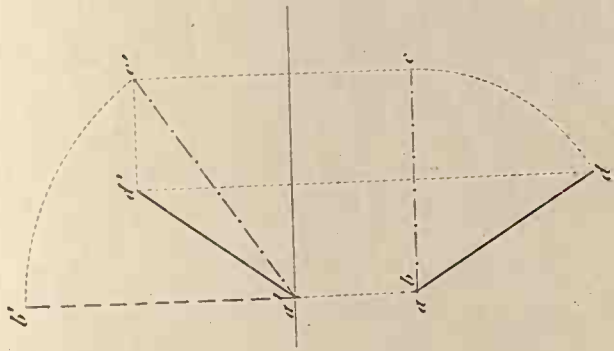
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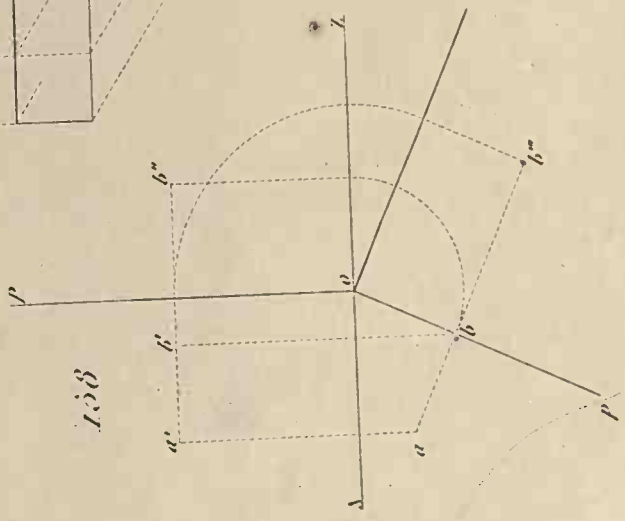
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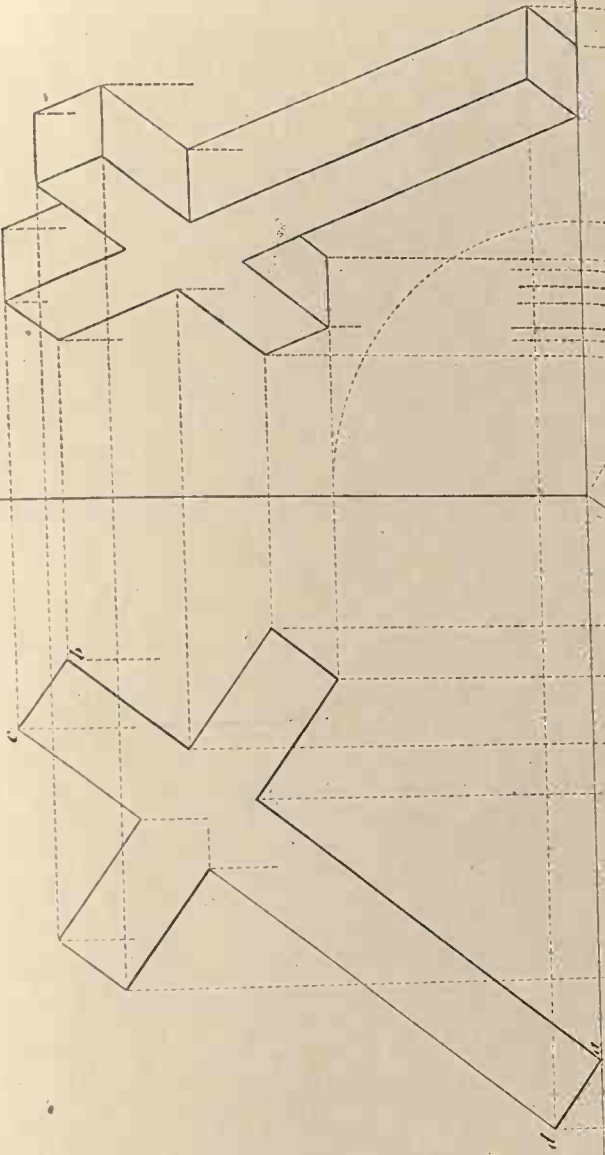
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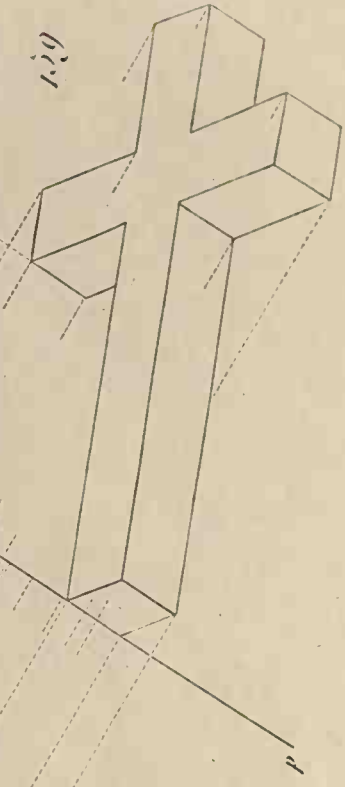
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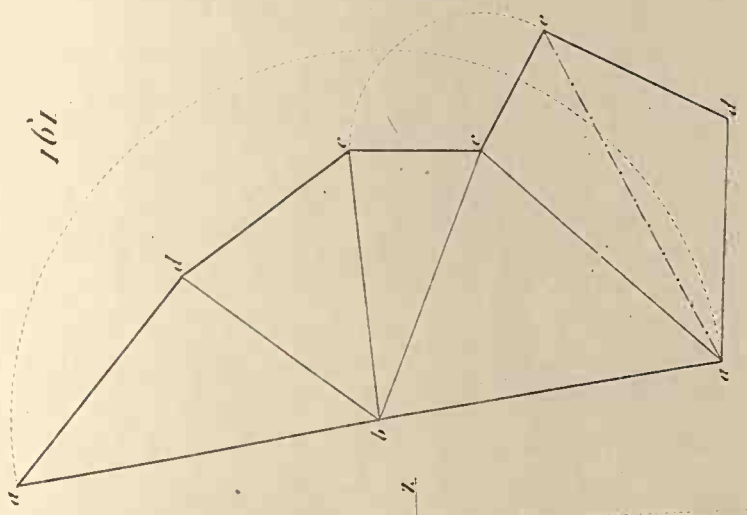
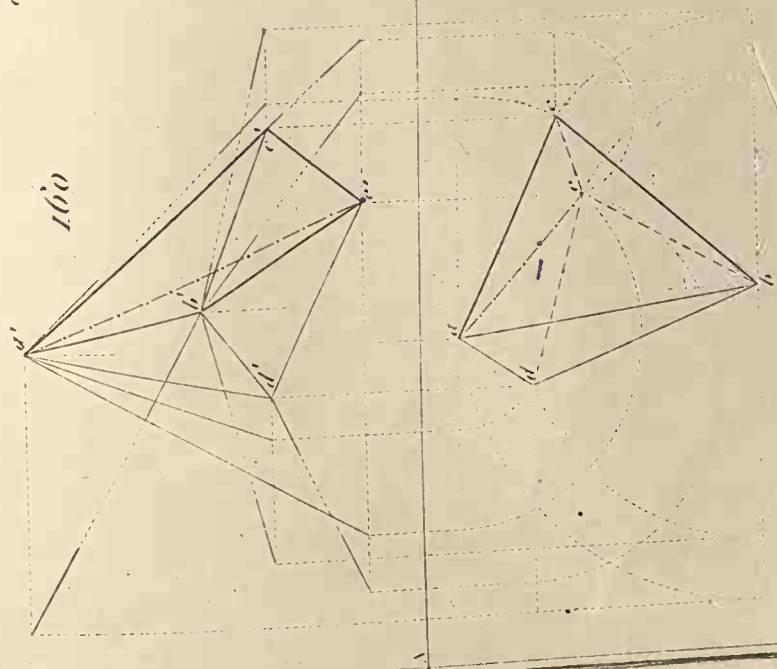
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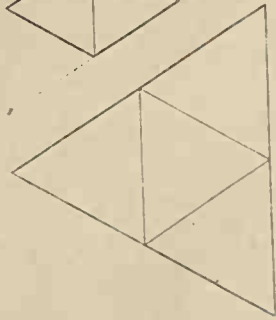
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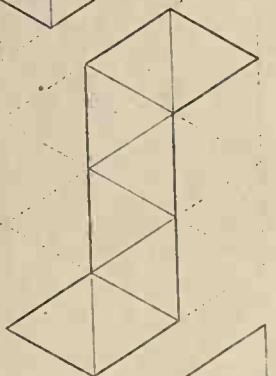
Geométrie descriptive.



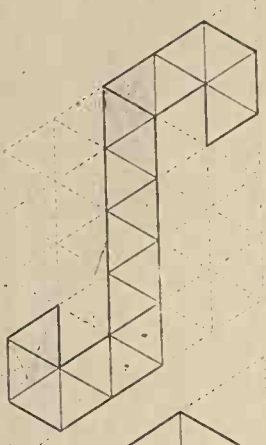
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164



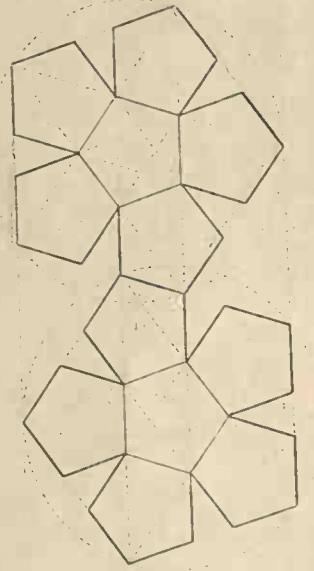
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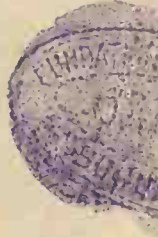
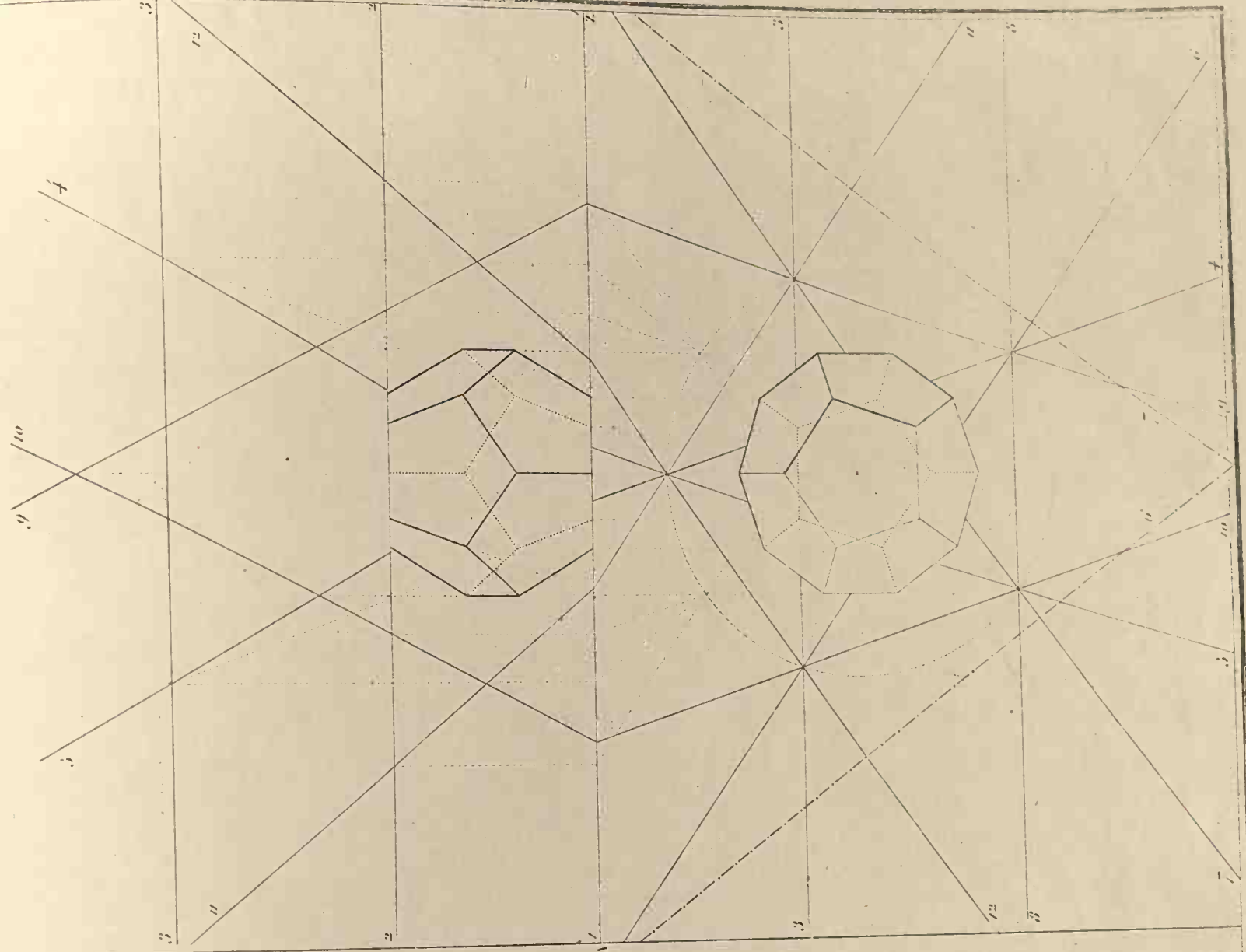
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167

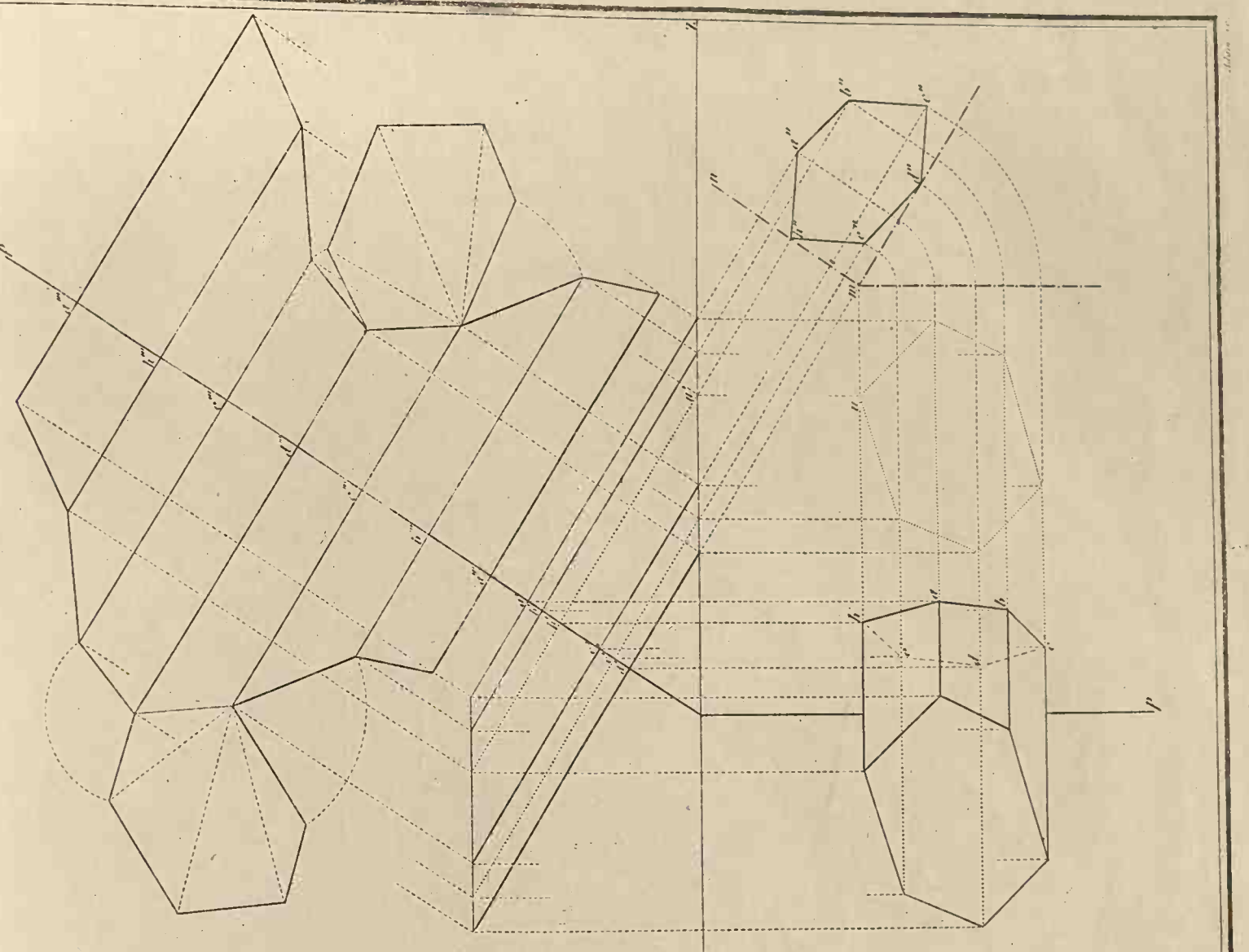
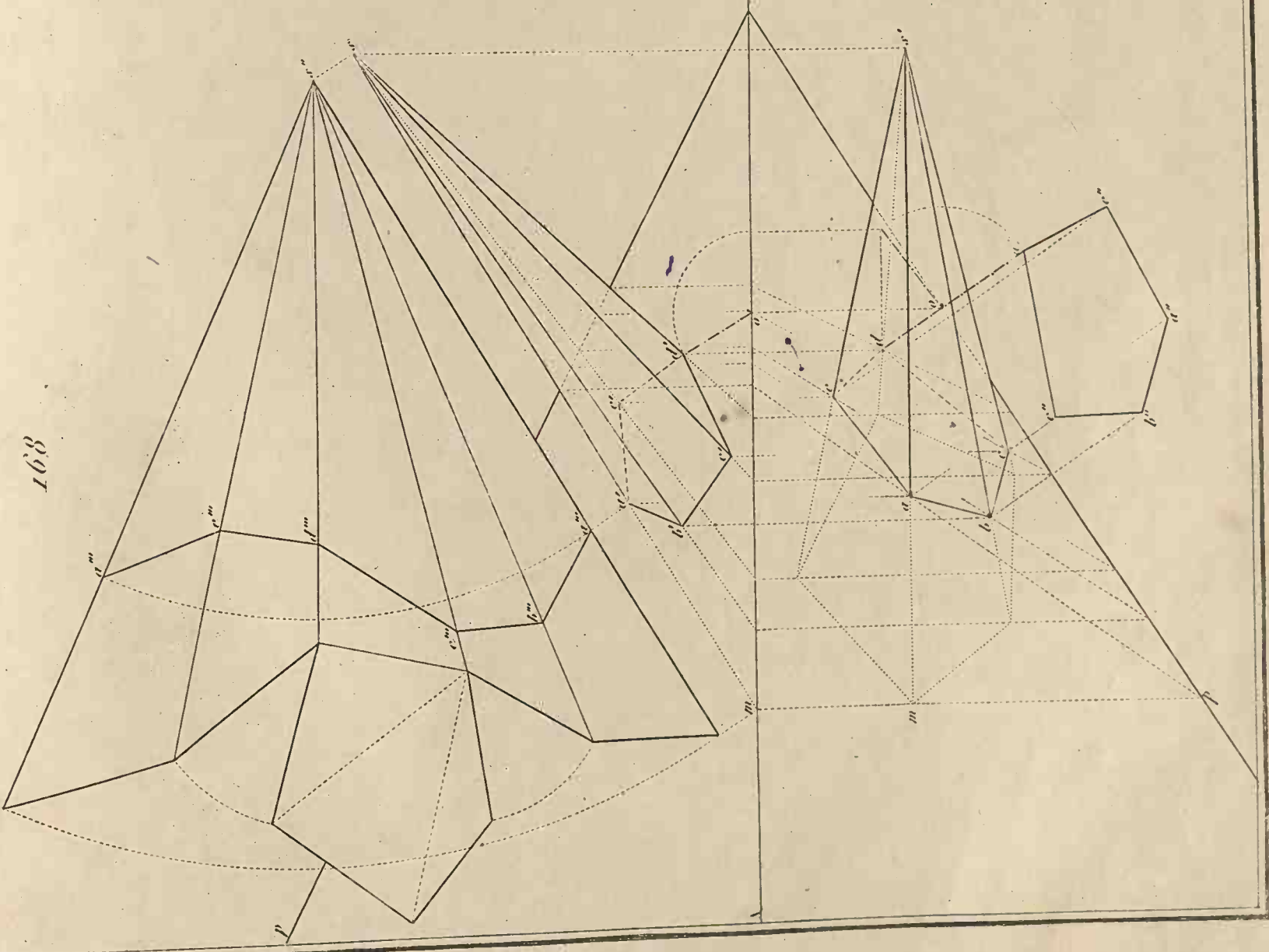


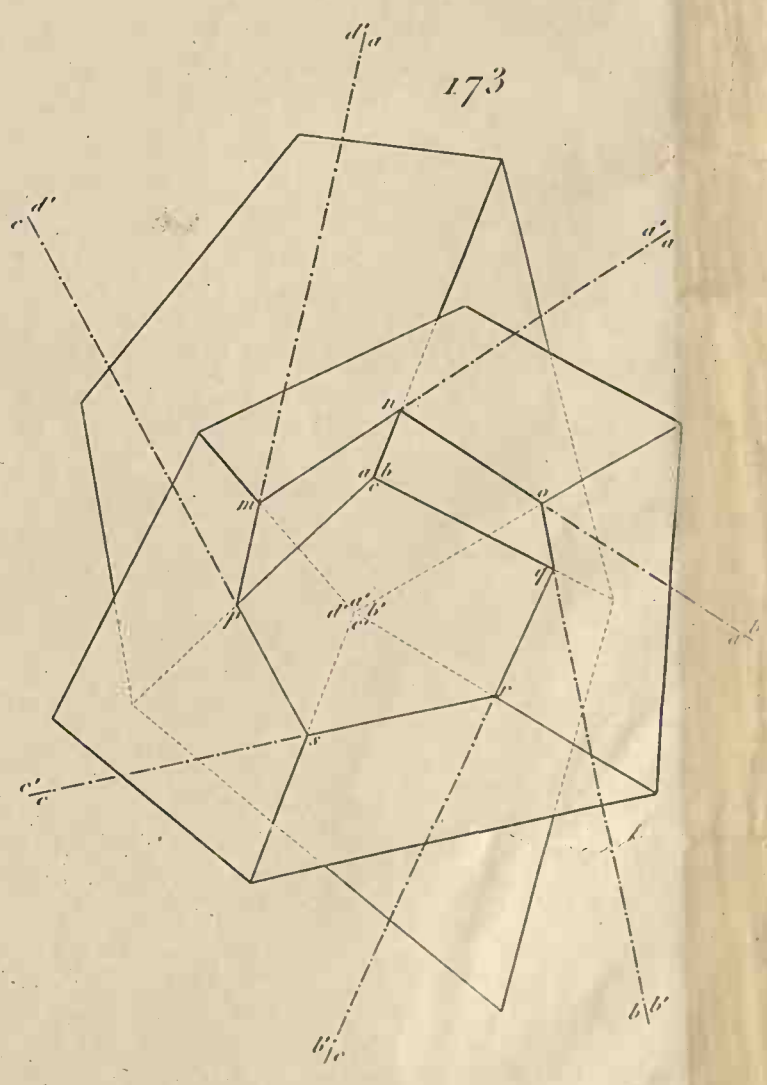
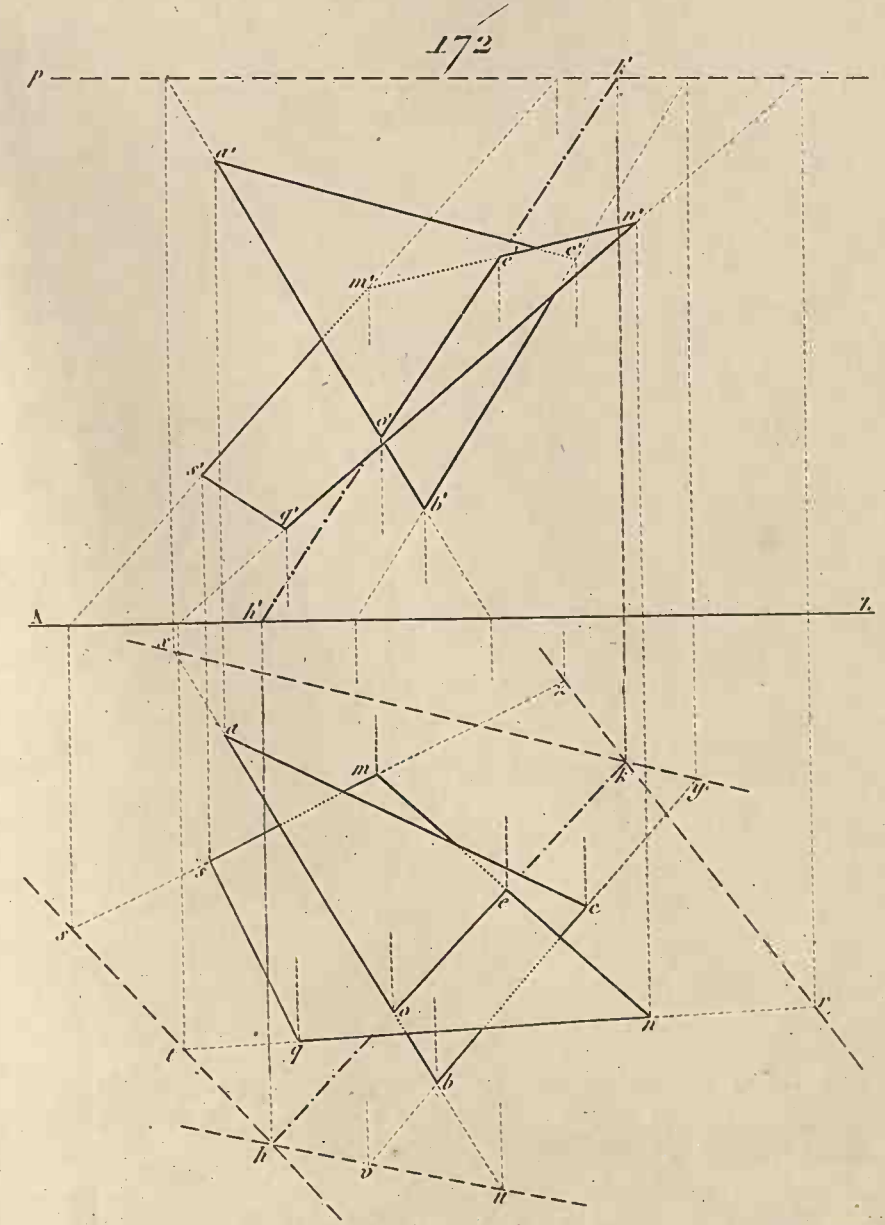
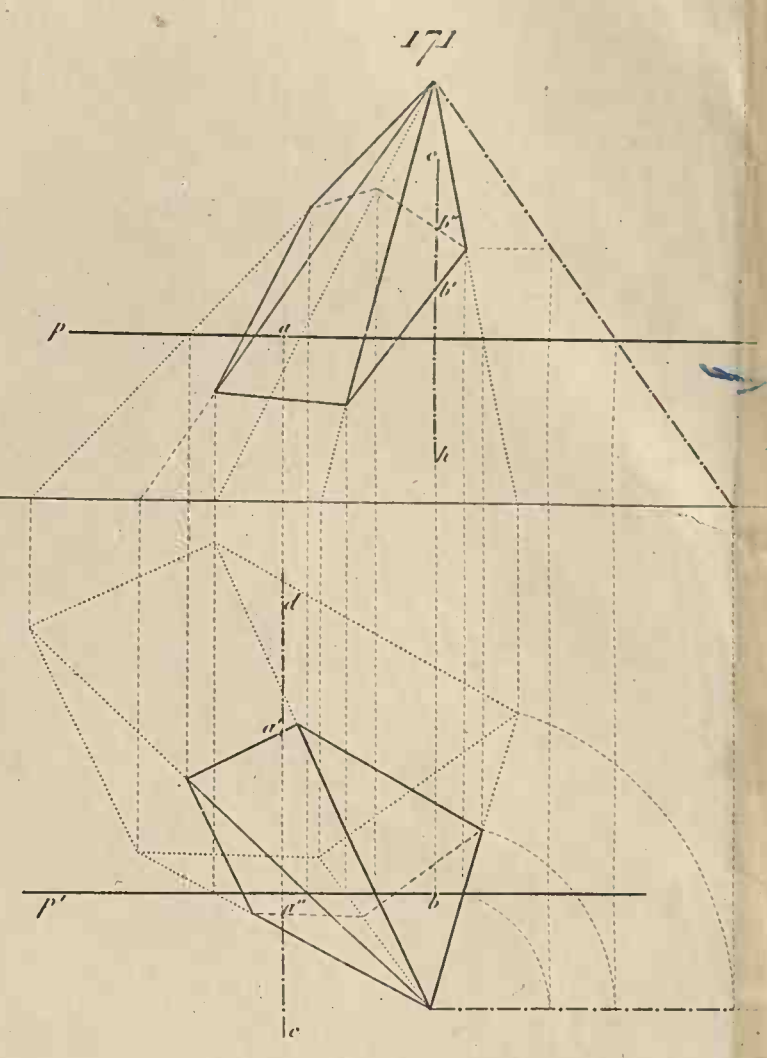
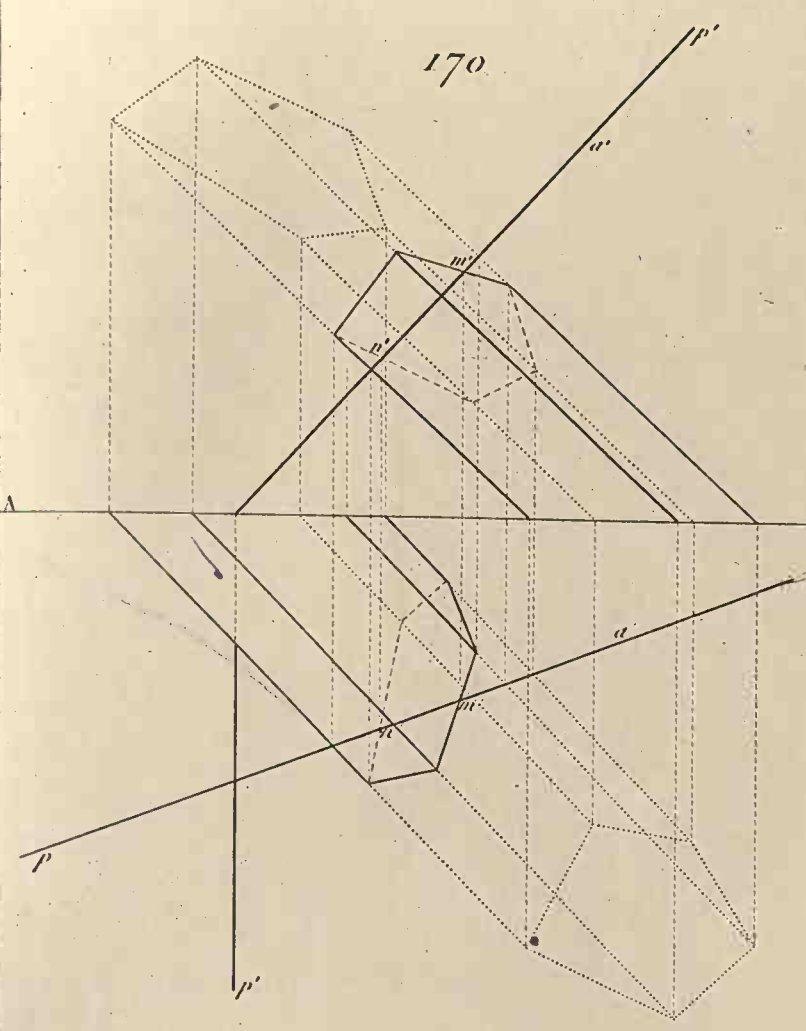
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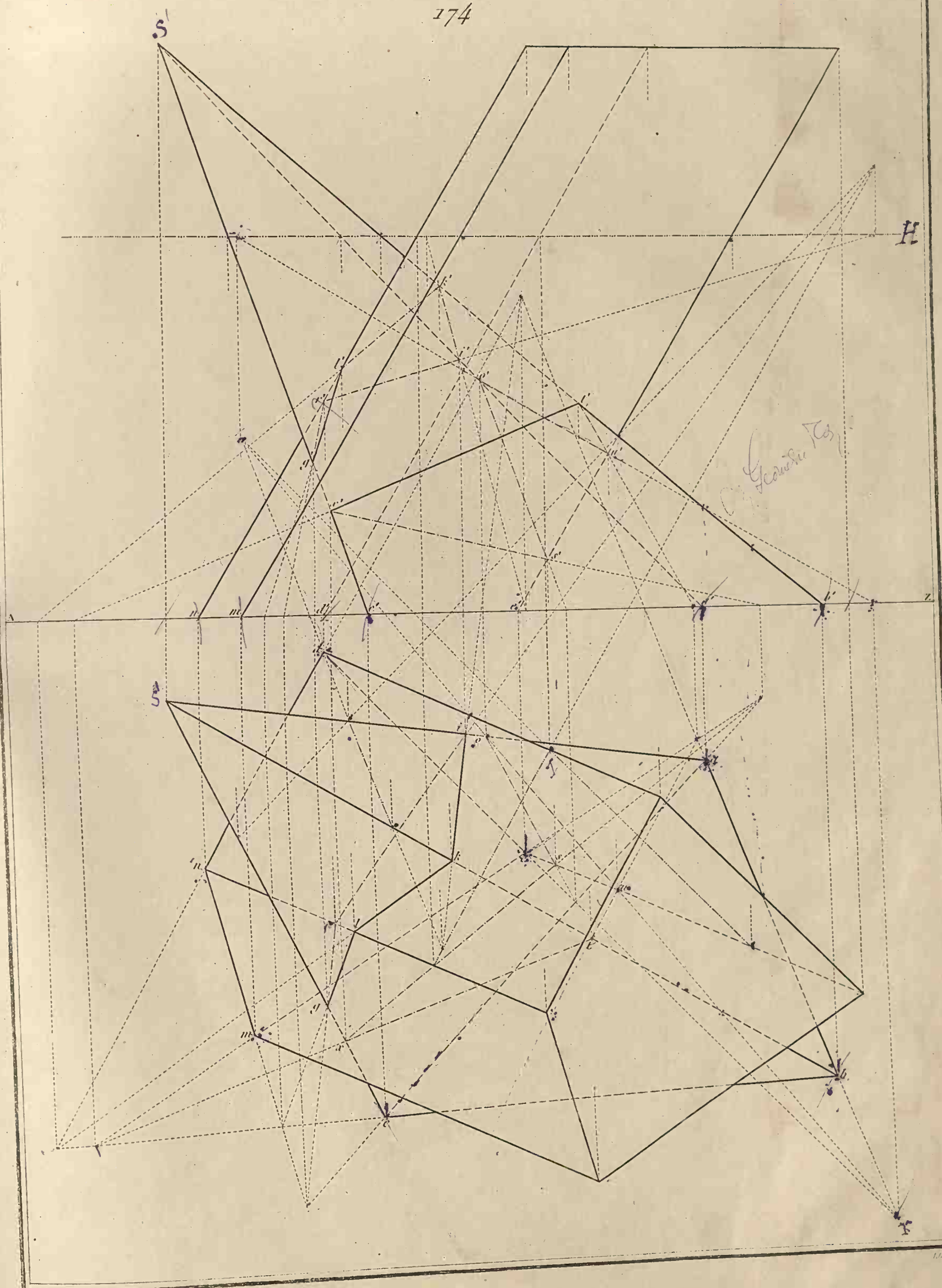


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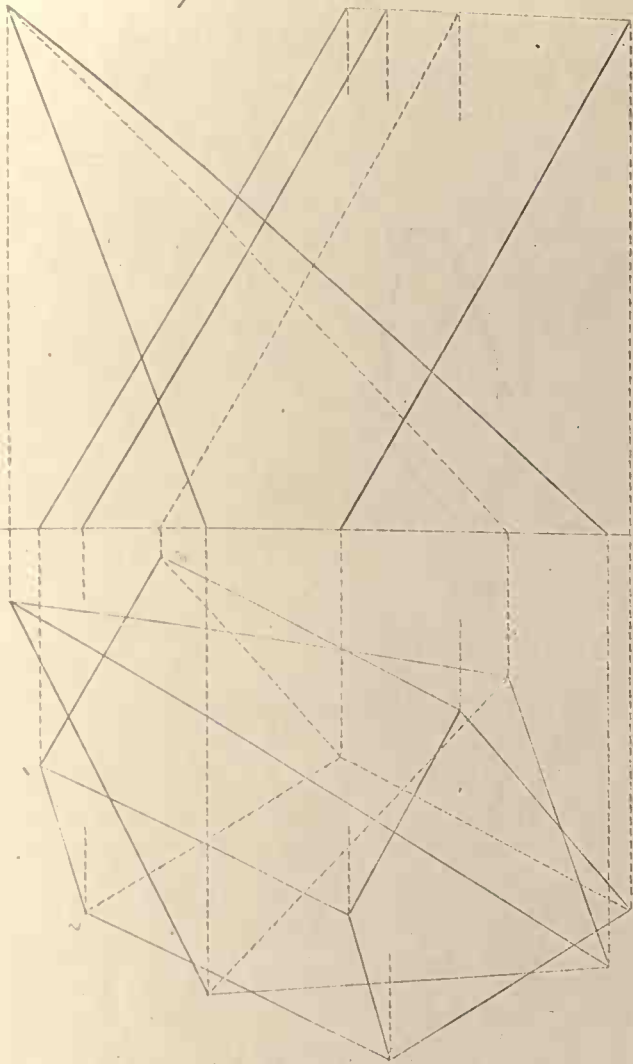




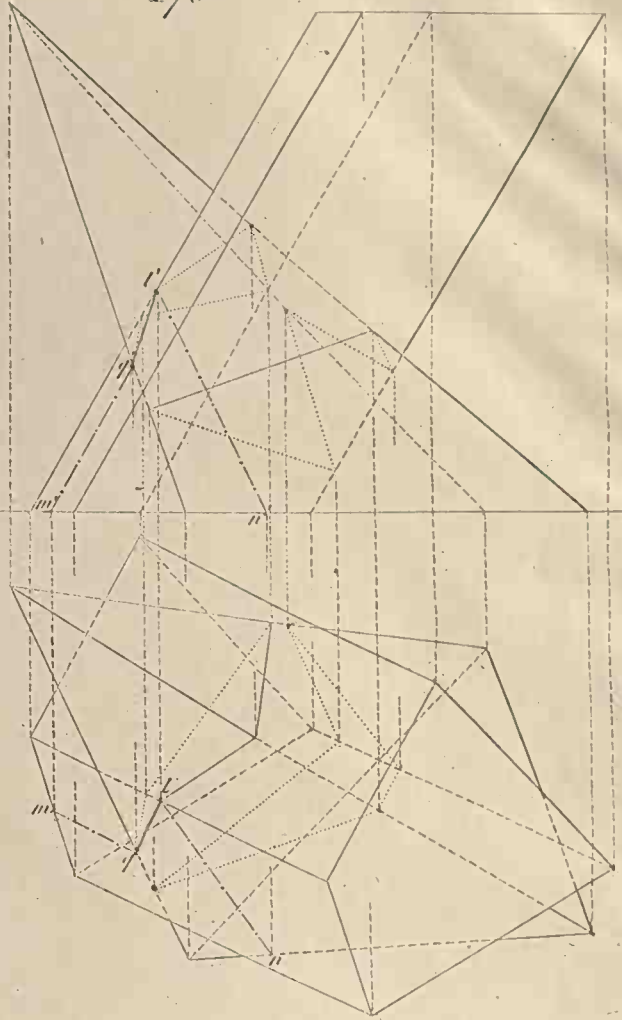


de la Géométrie Descartes

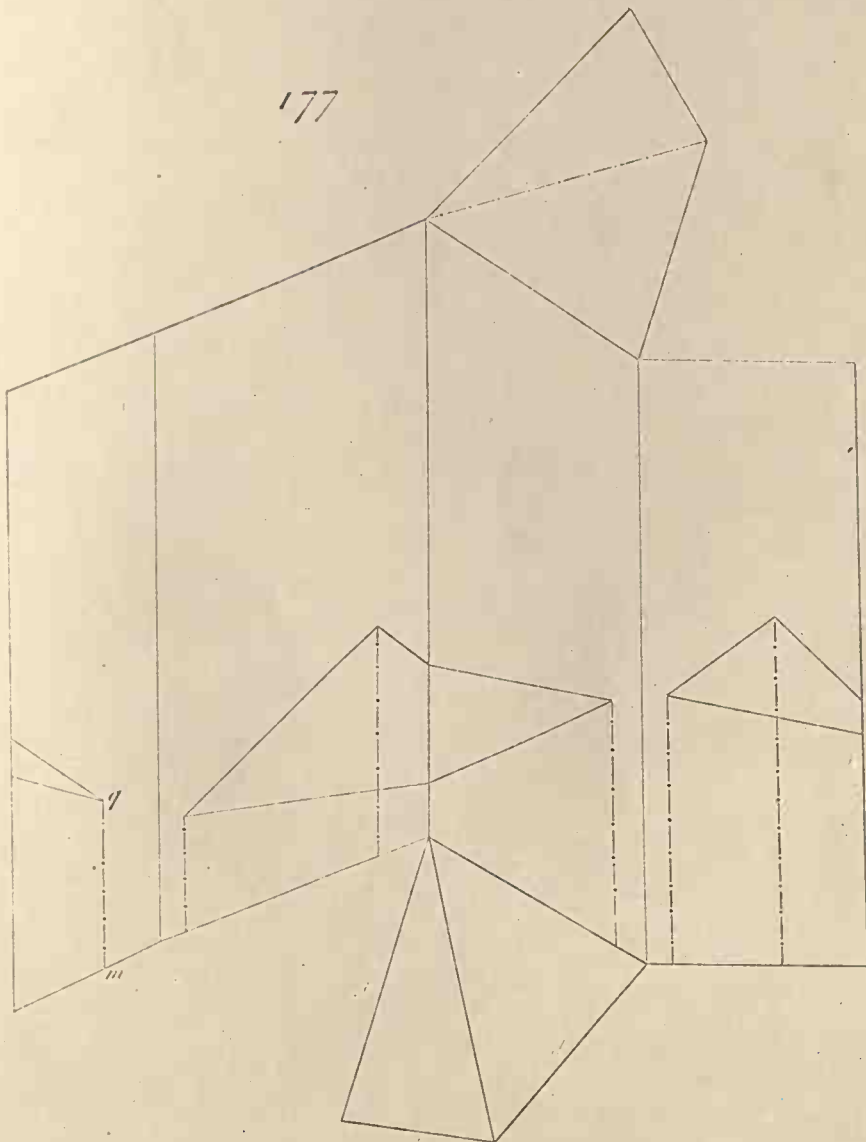
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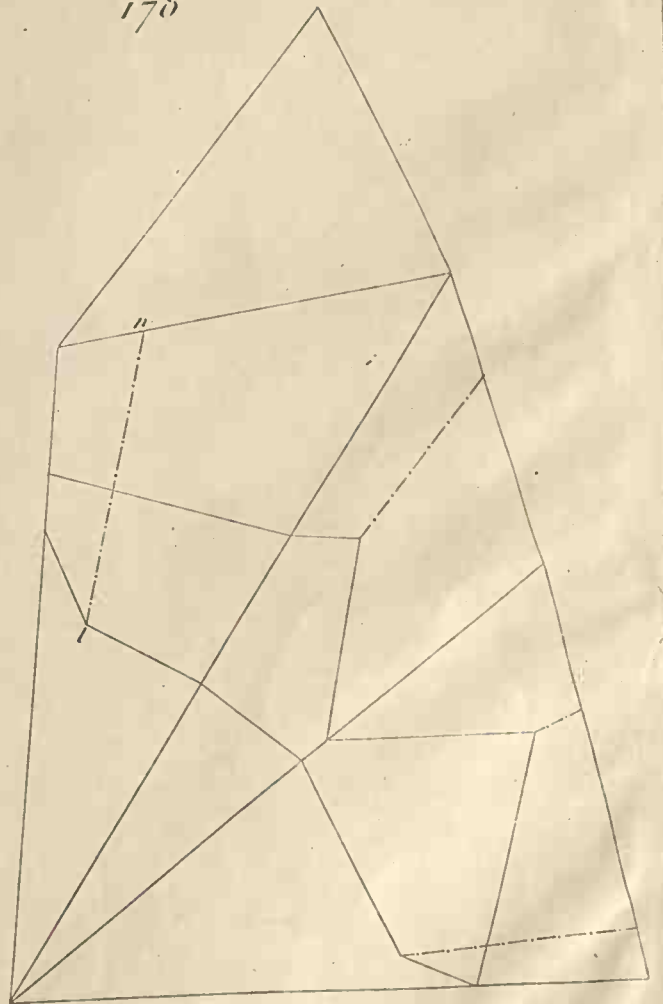
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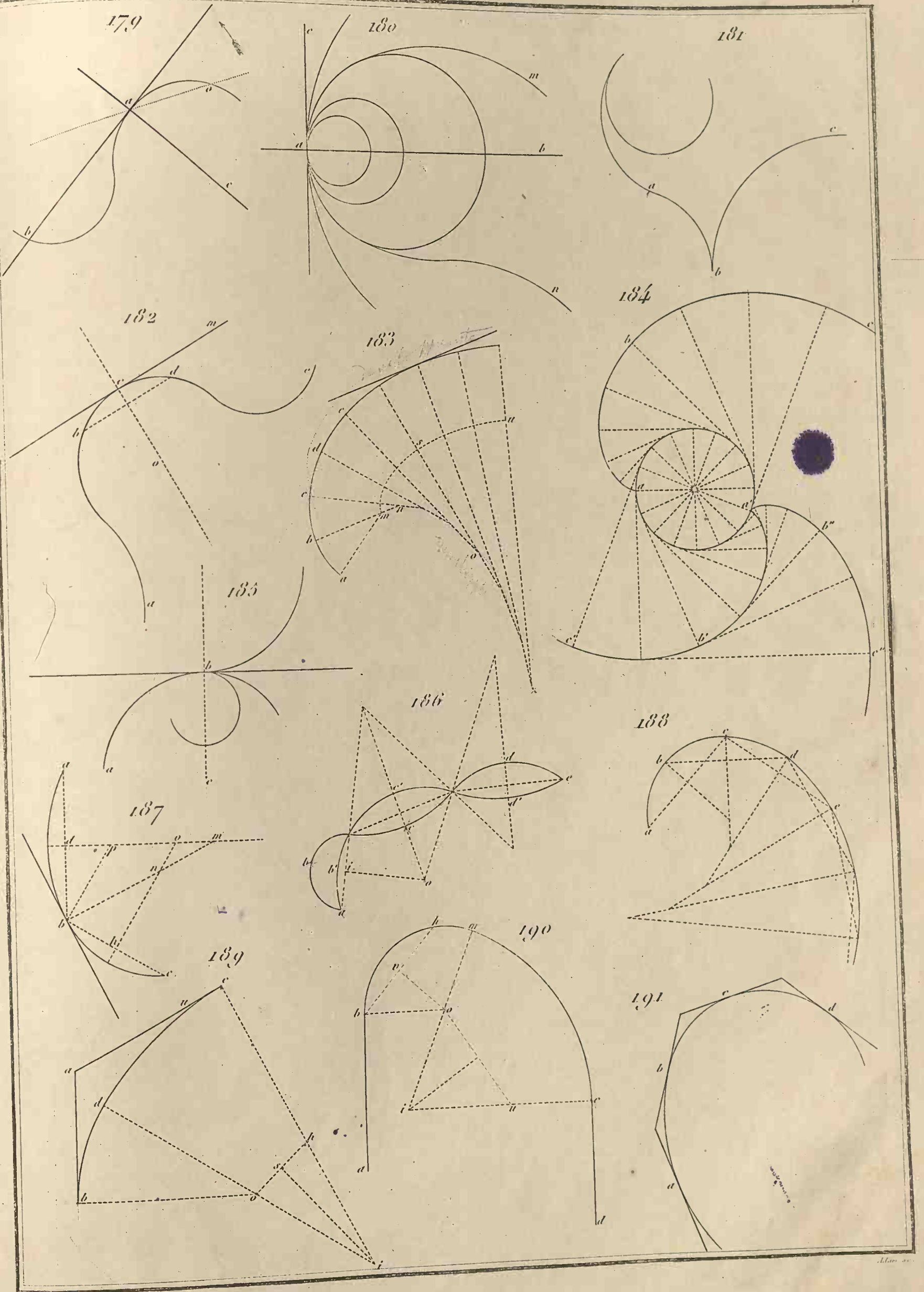
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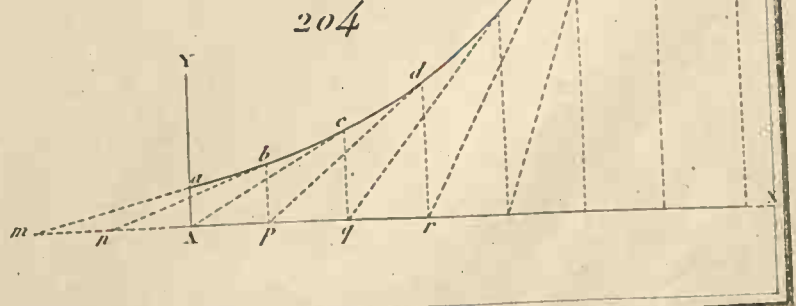
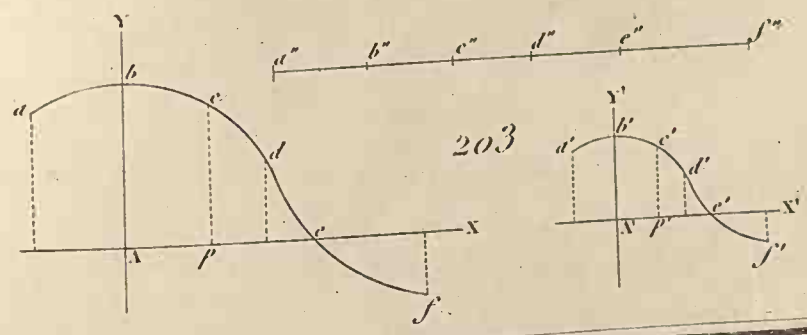
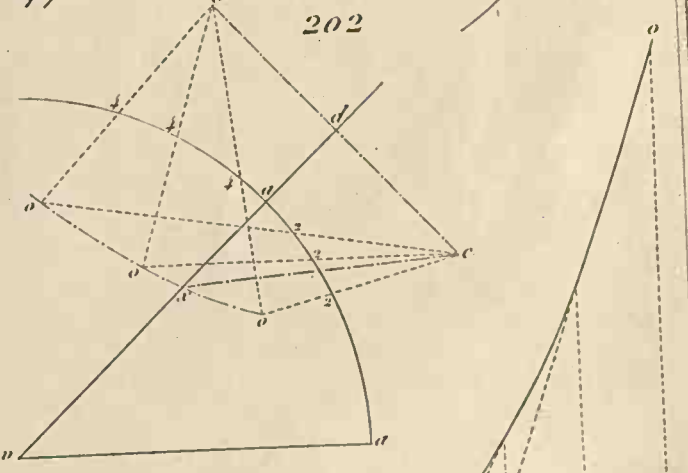
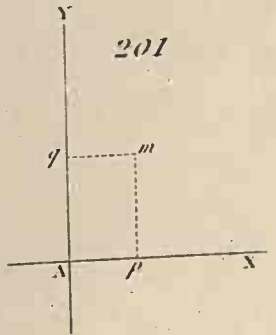
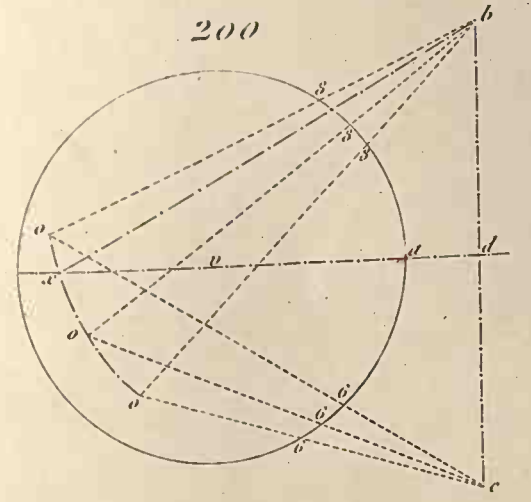
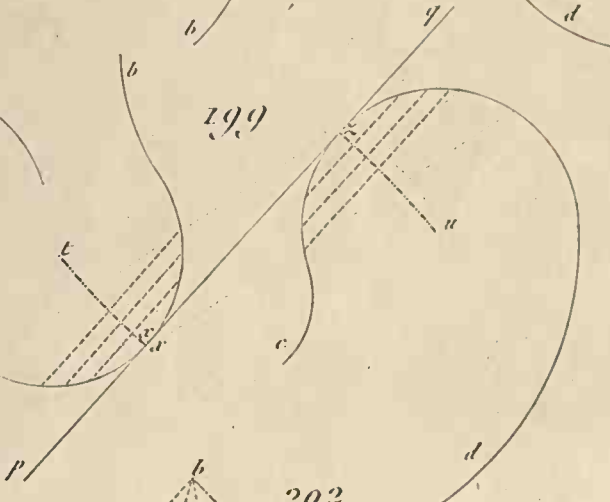
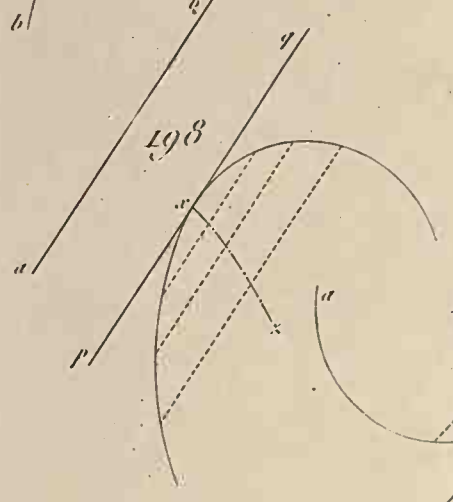
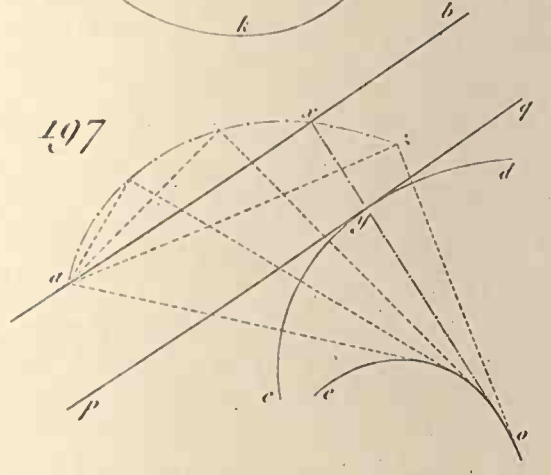
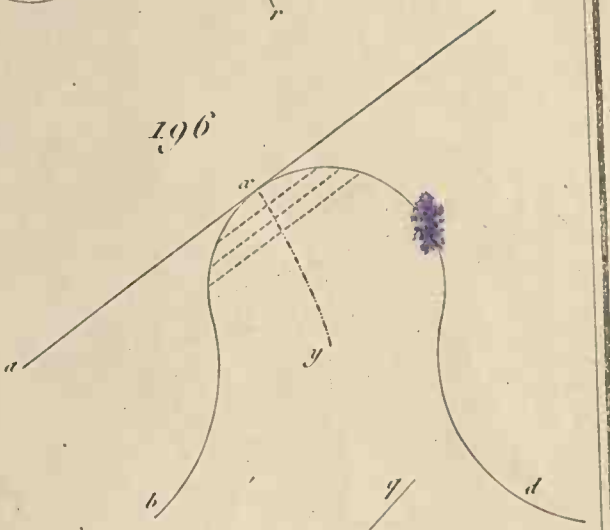
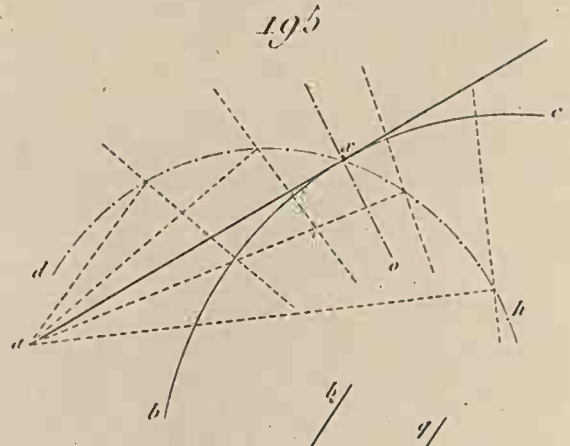
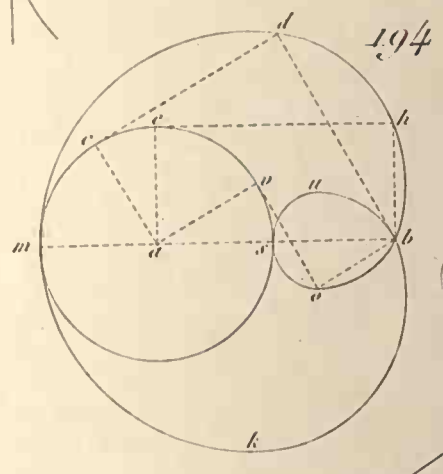
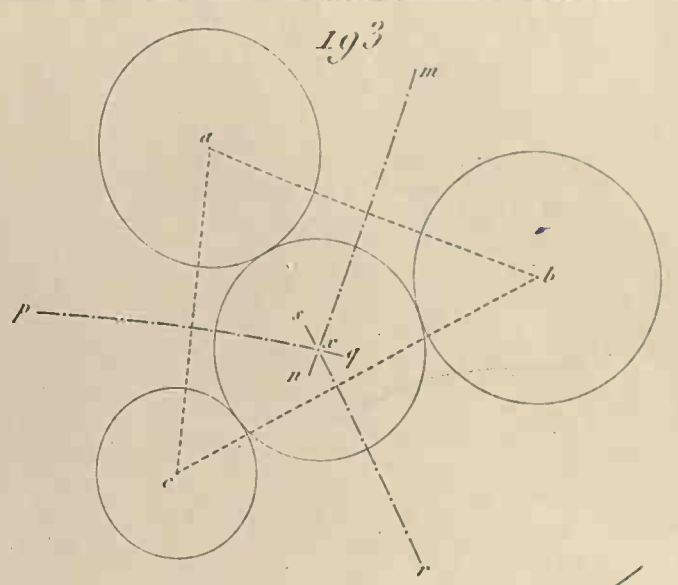
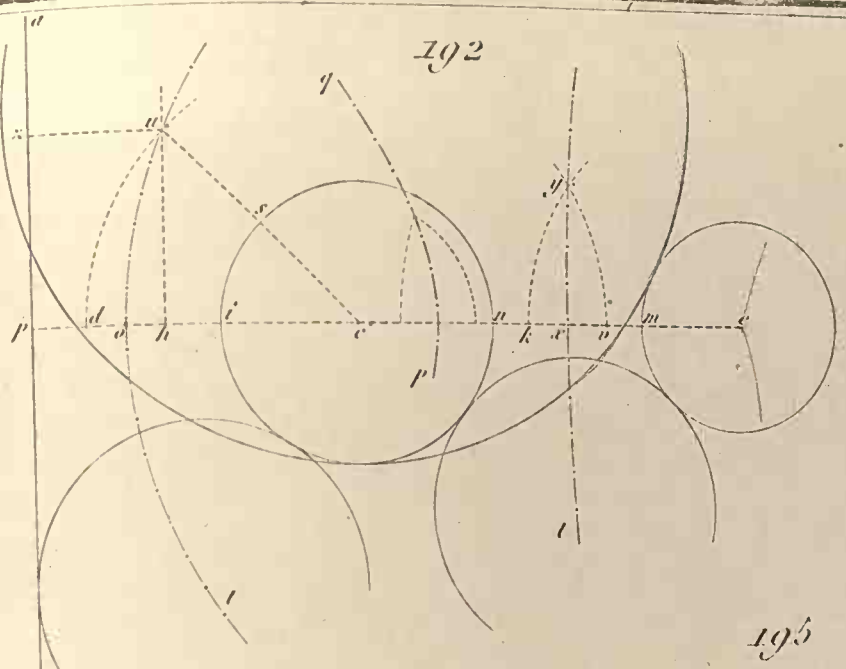


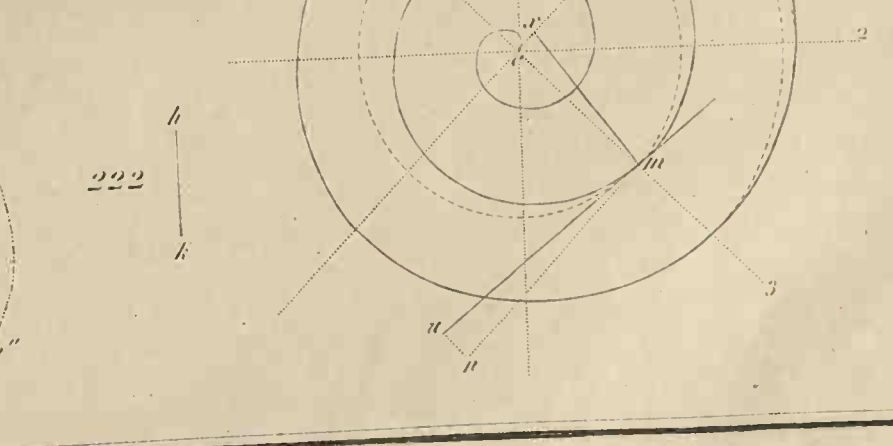
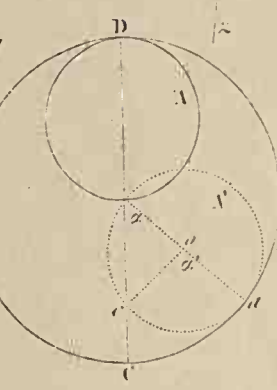
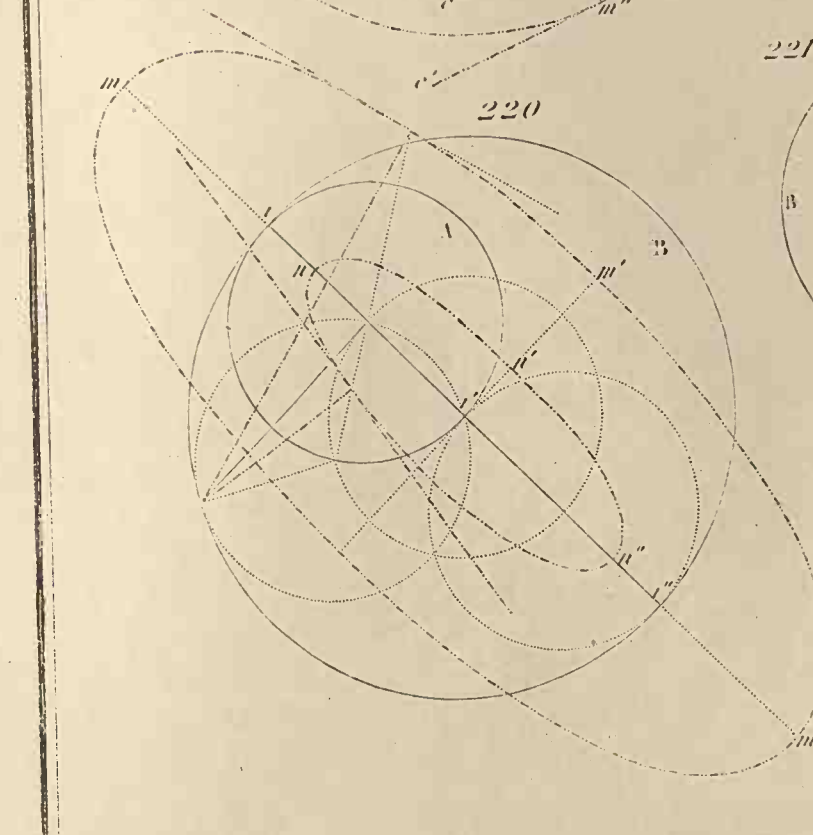
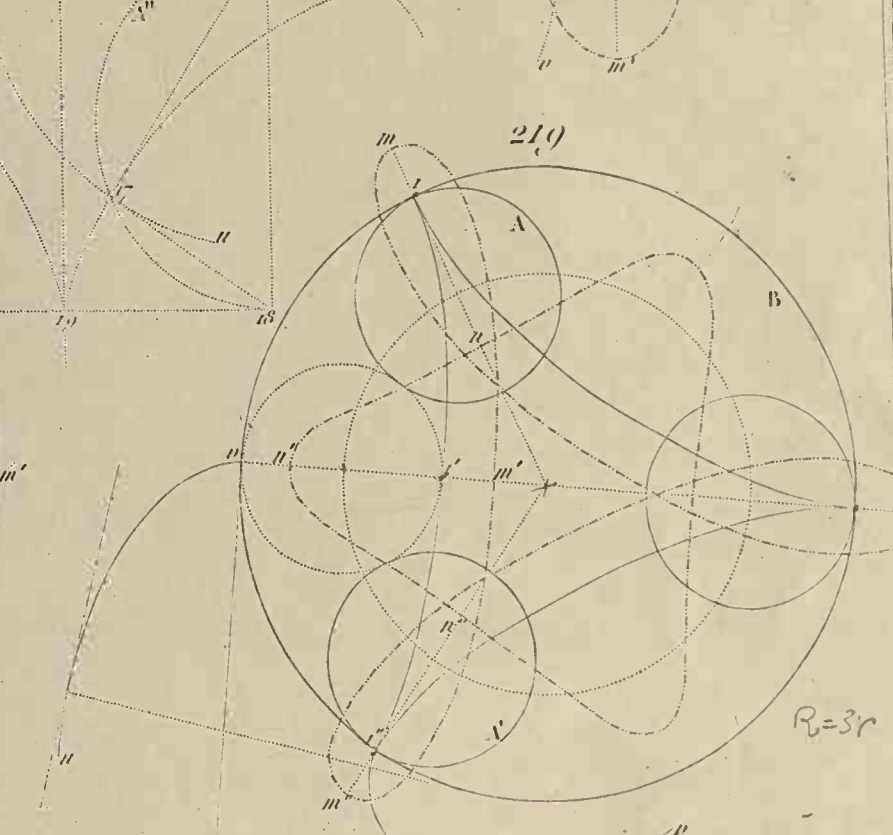
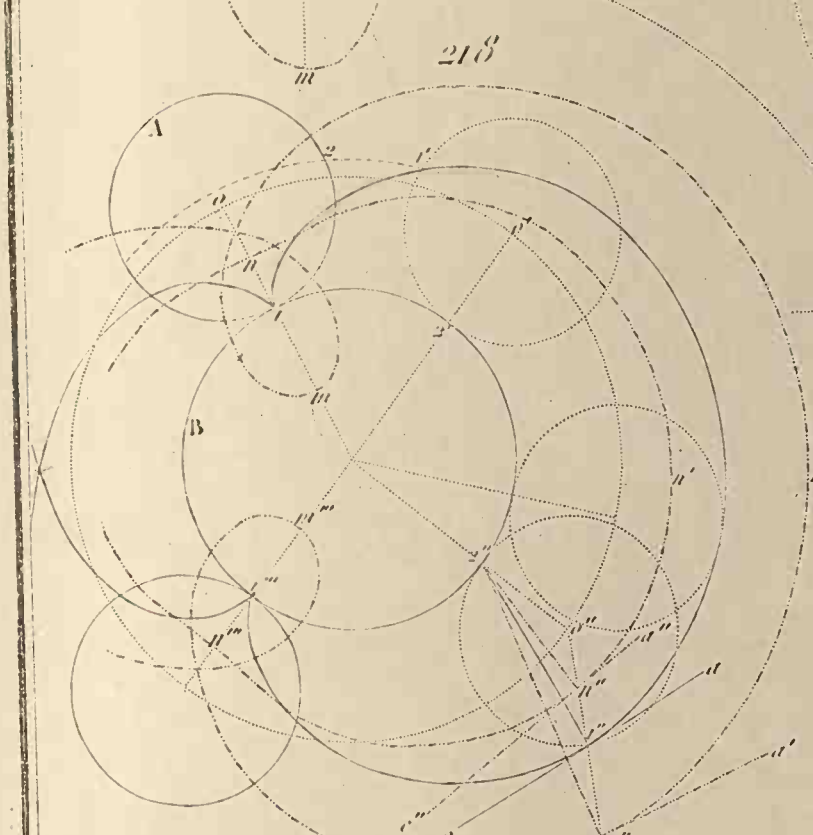
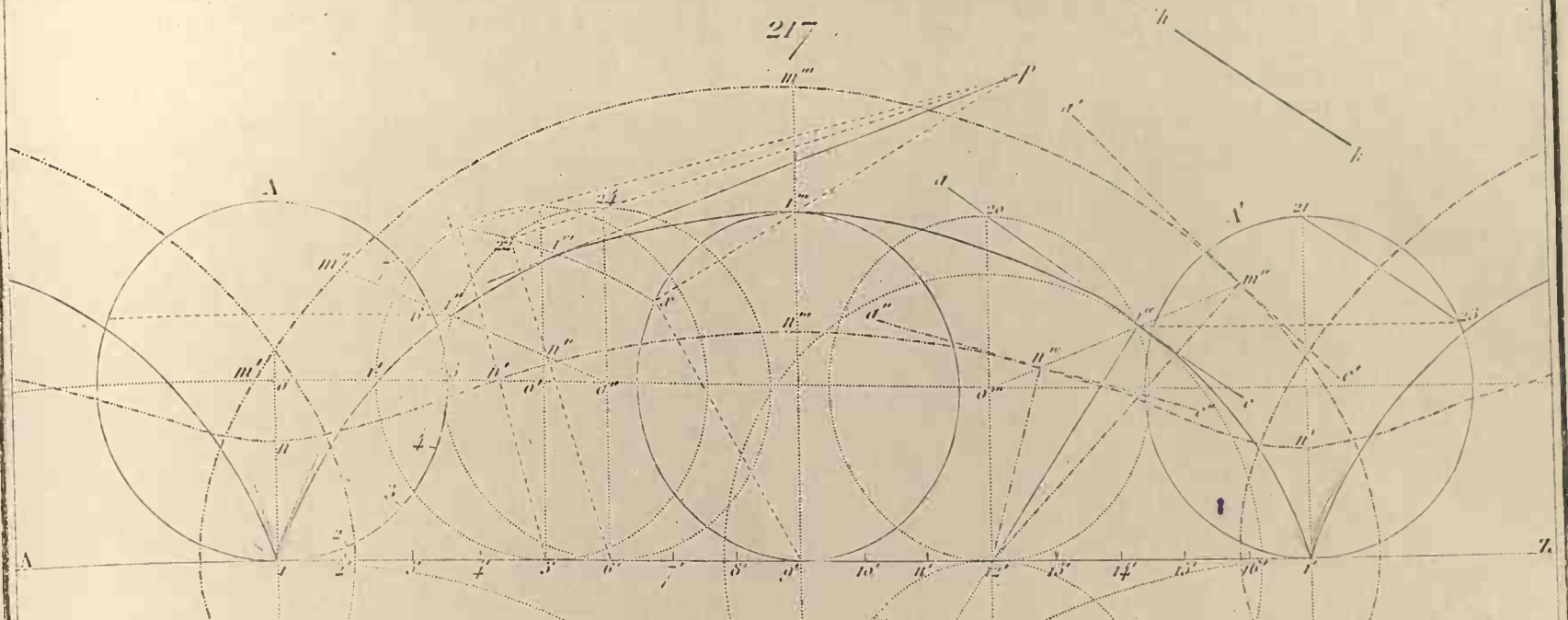
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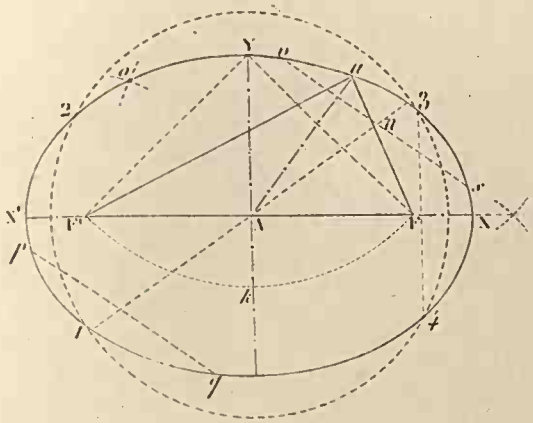
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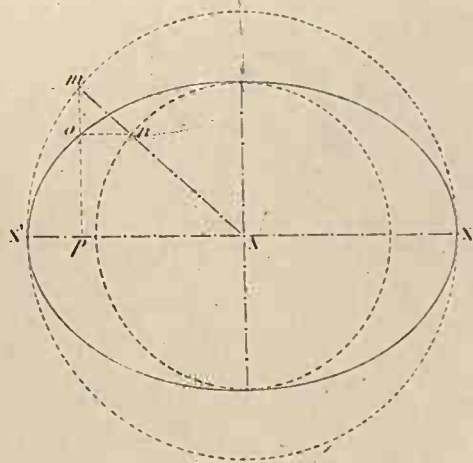




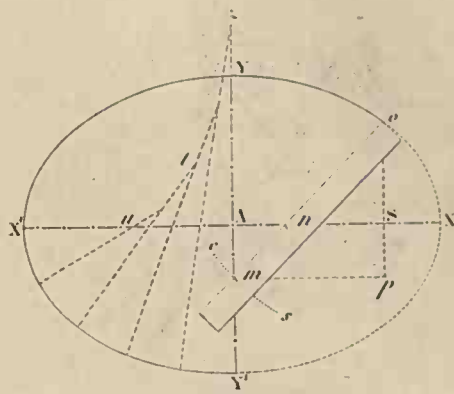
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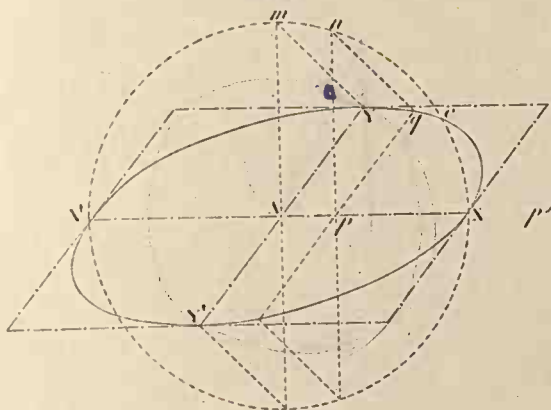
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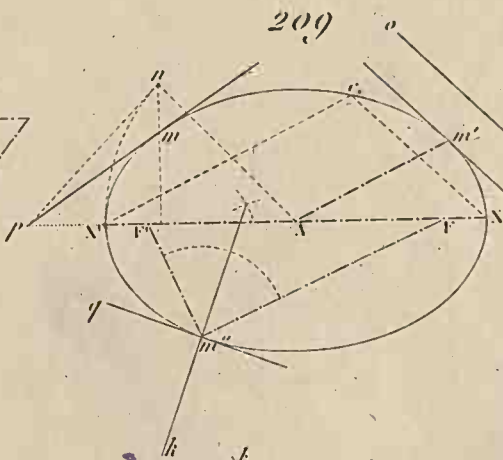
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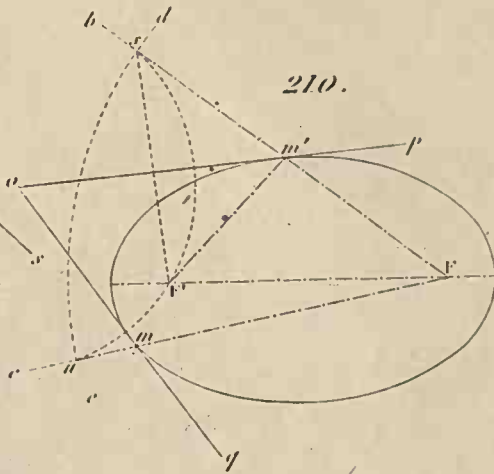
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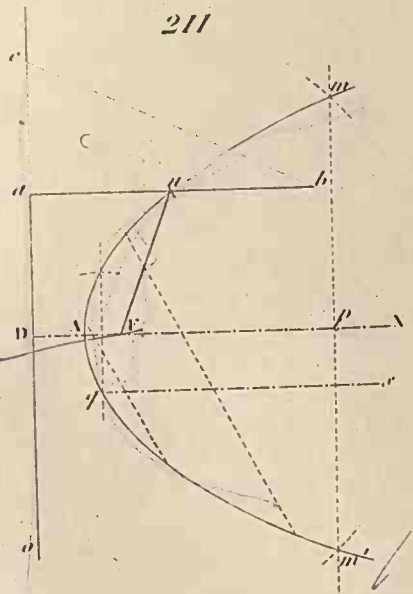
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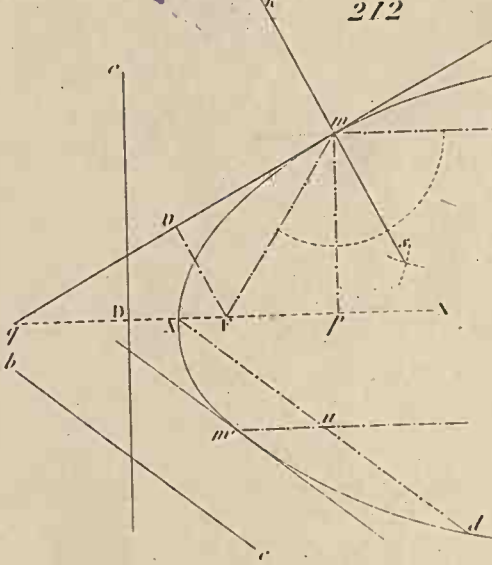
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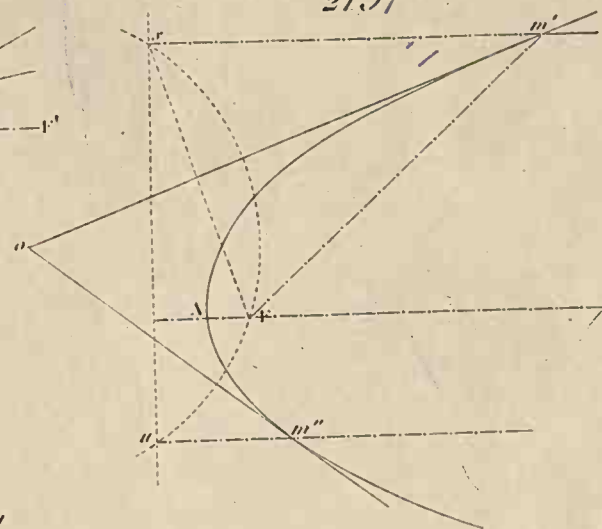
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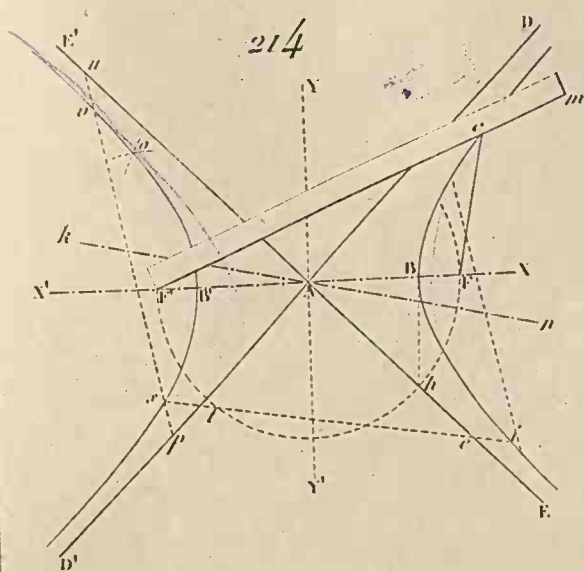
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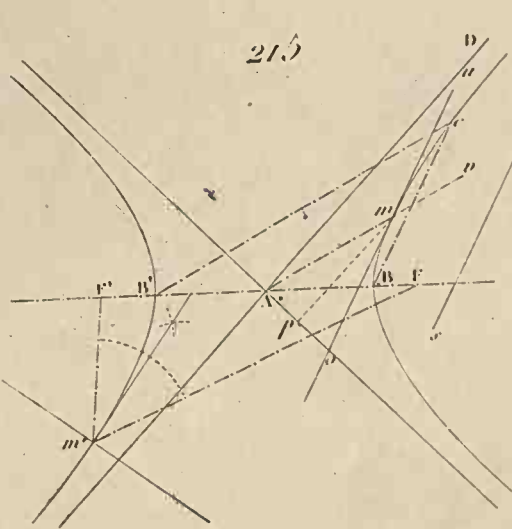
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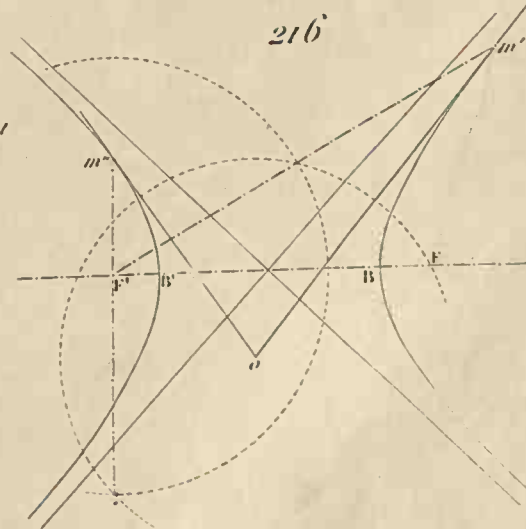
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géométrie descriptive

Fig. 1.

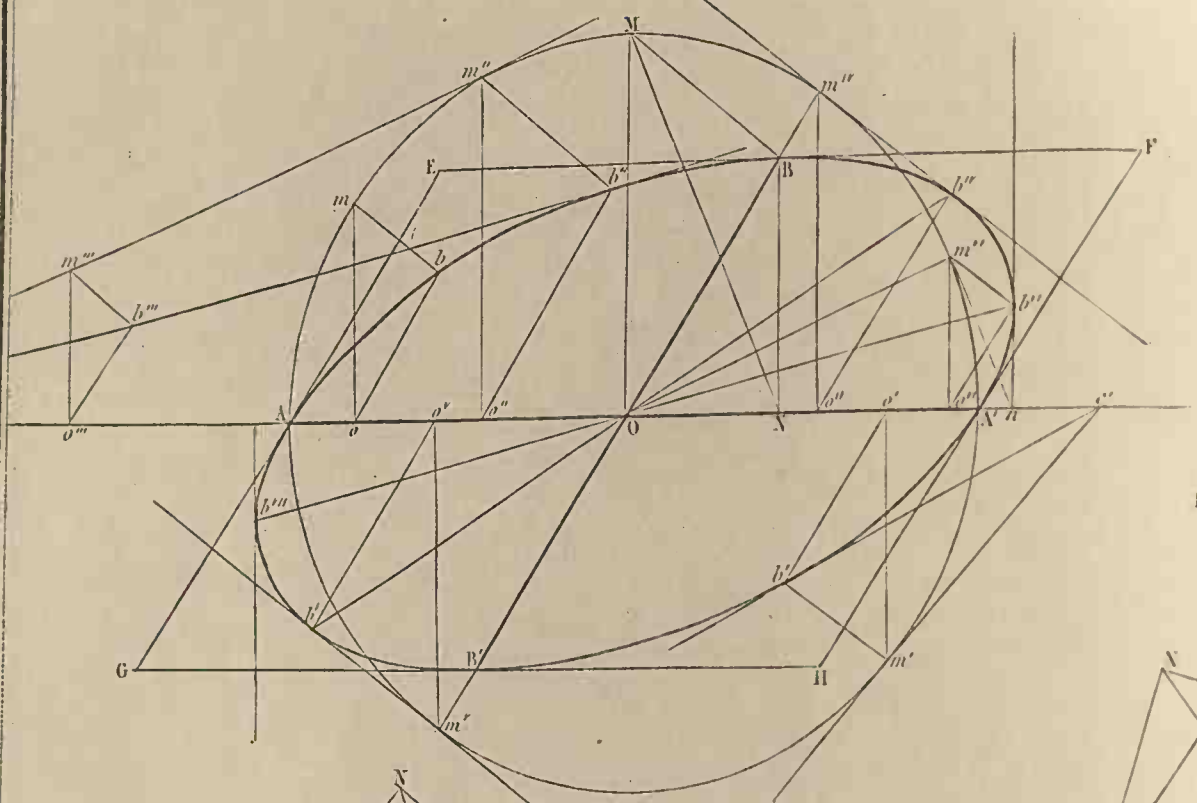


Fig. 2.

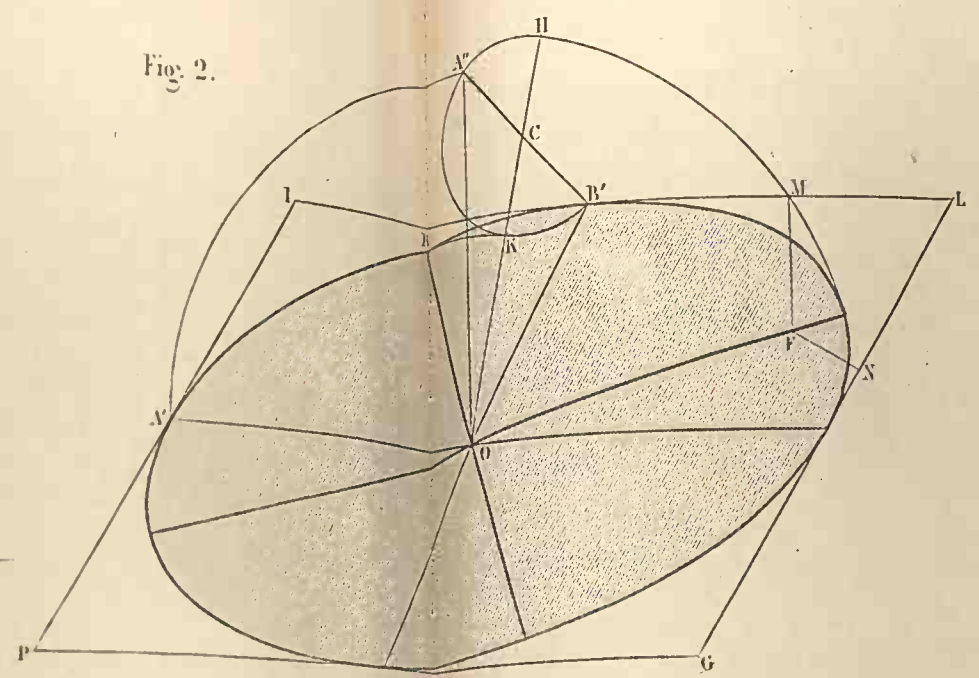


Fig. 5.

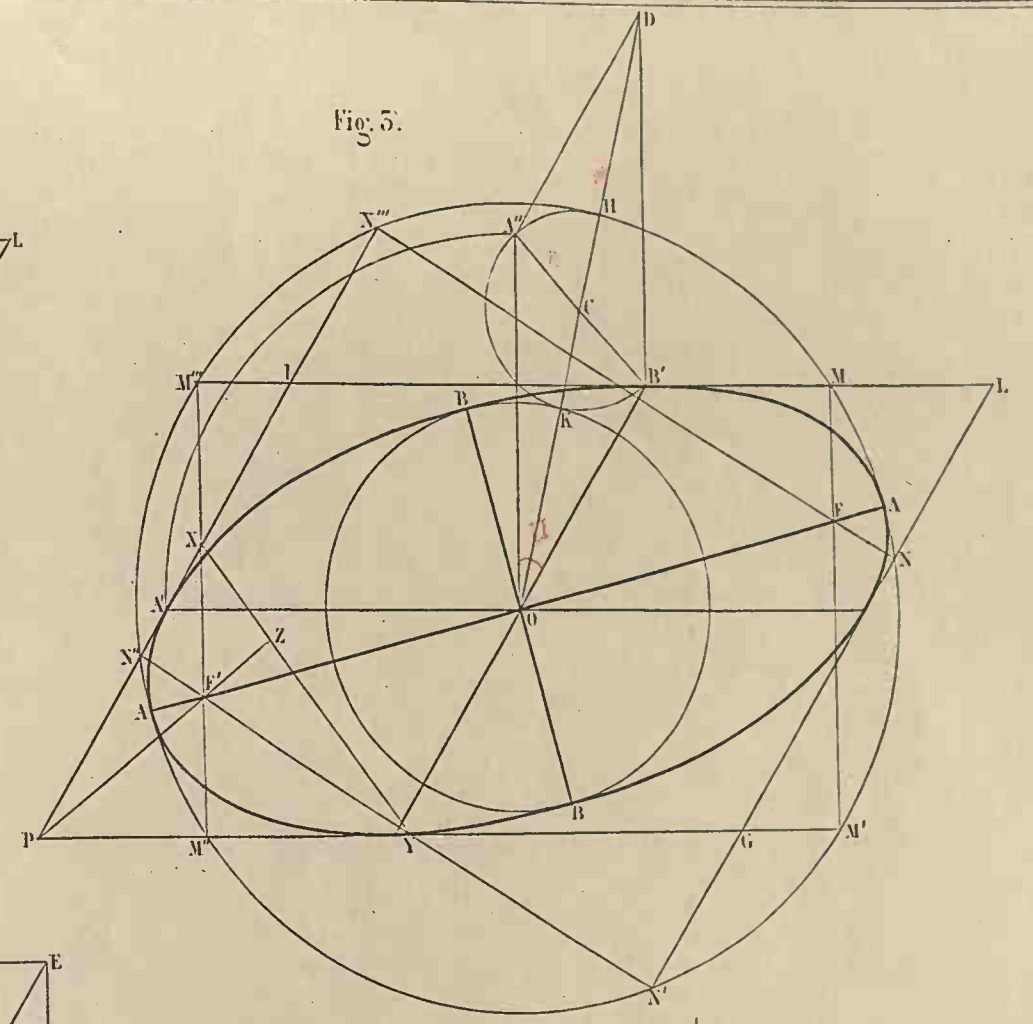


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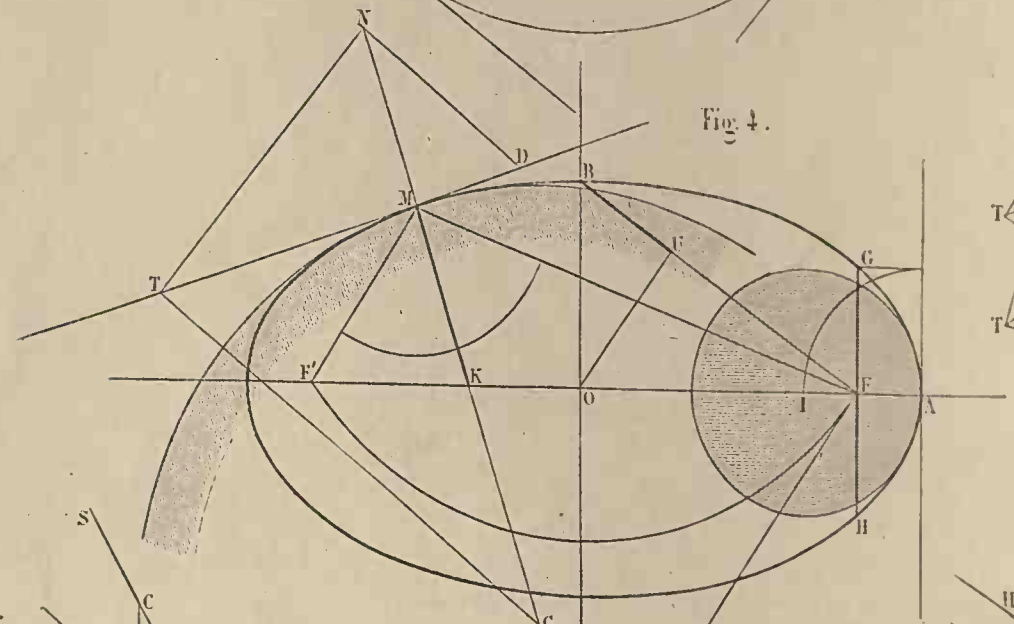


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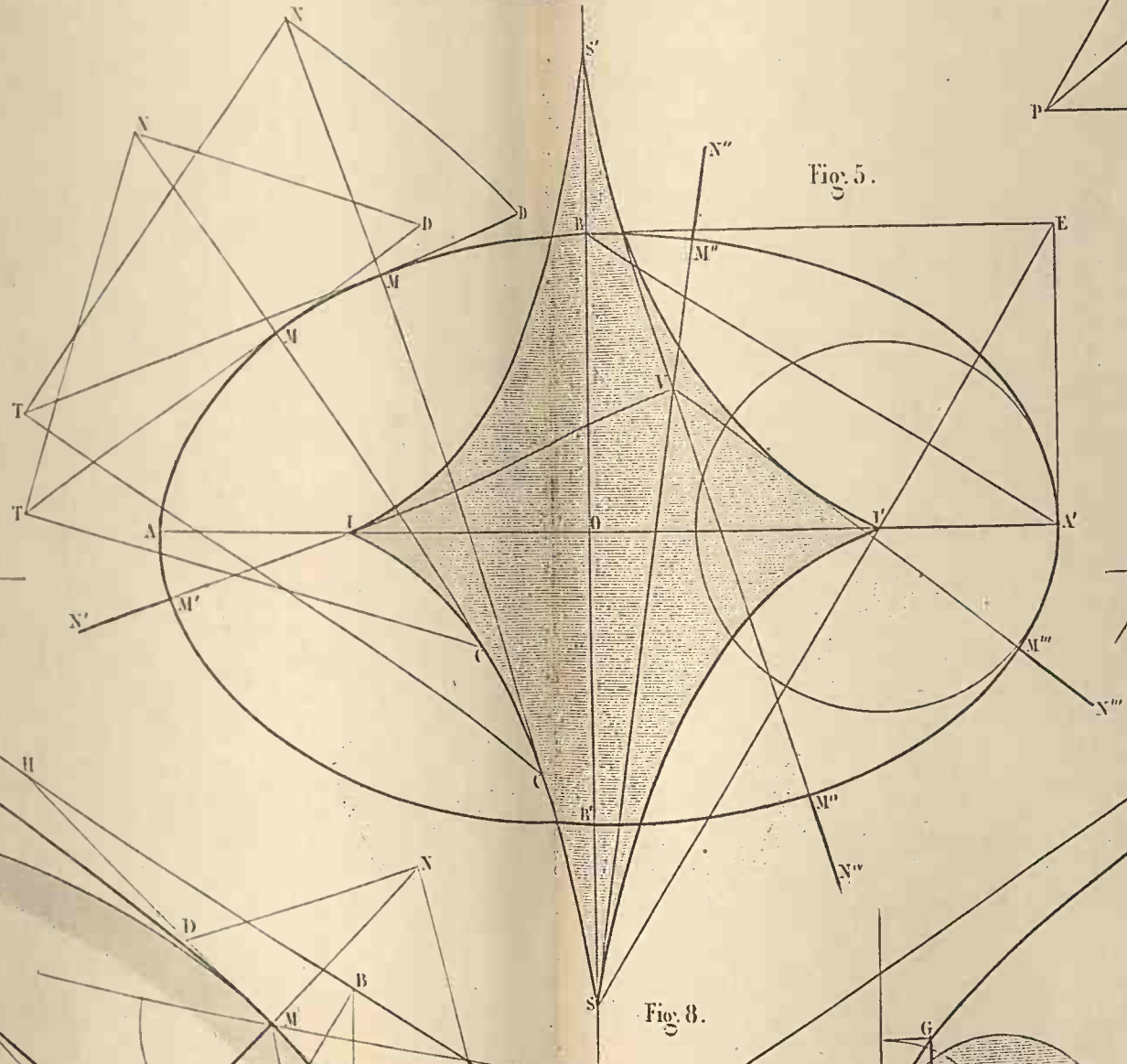


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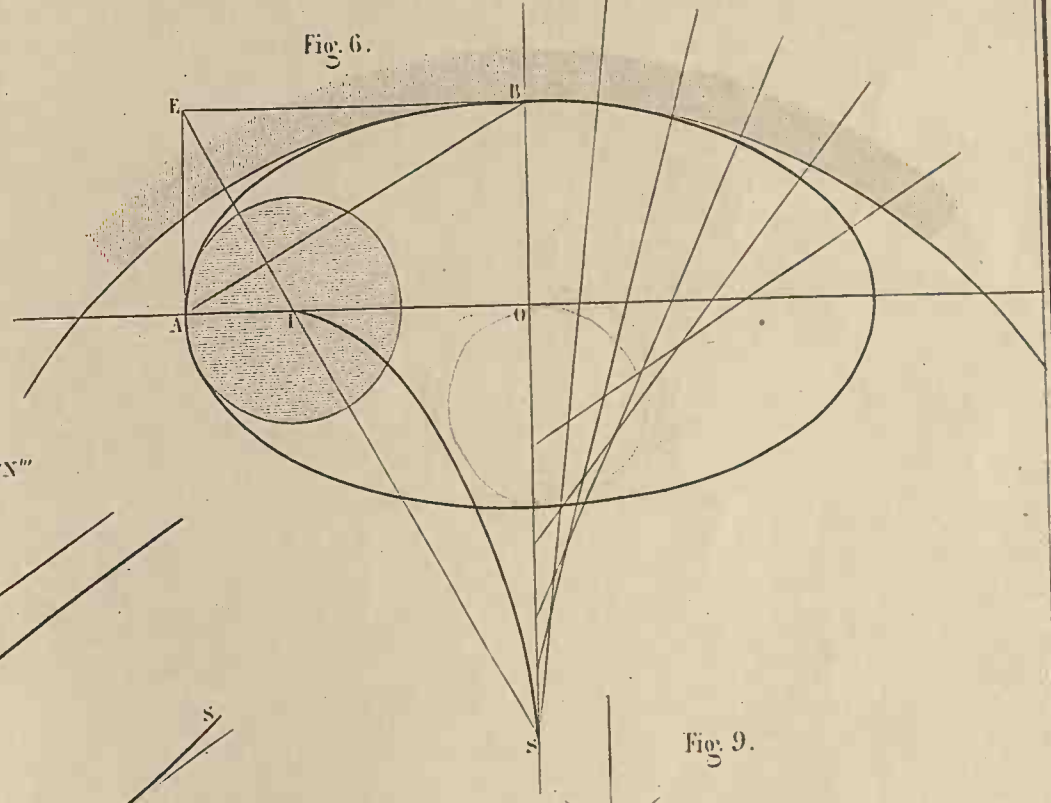


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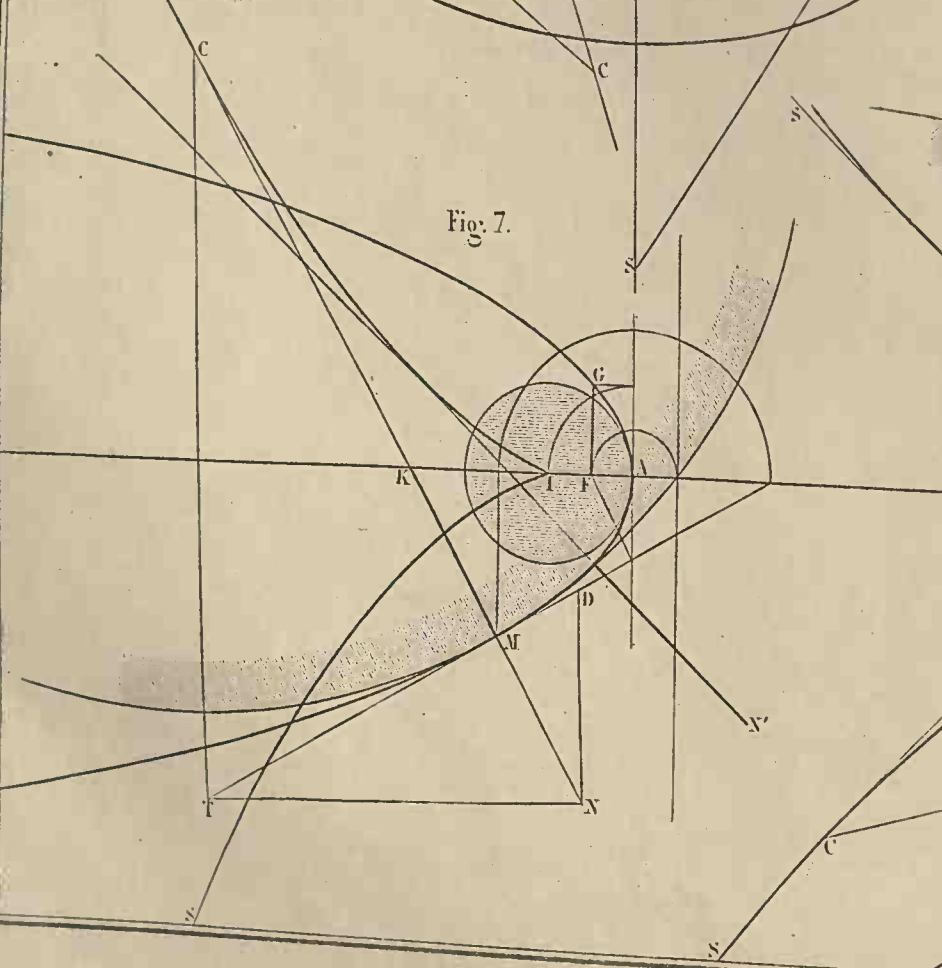


Fig. 8.

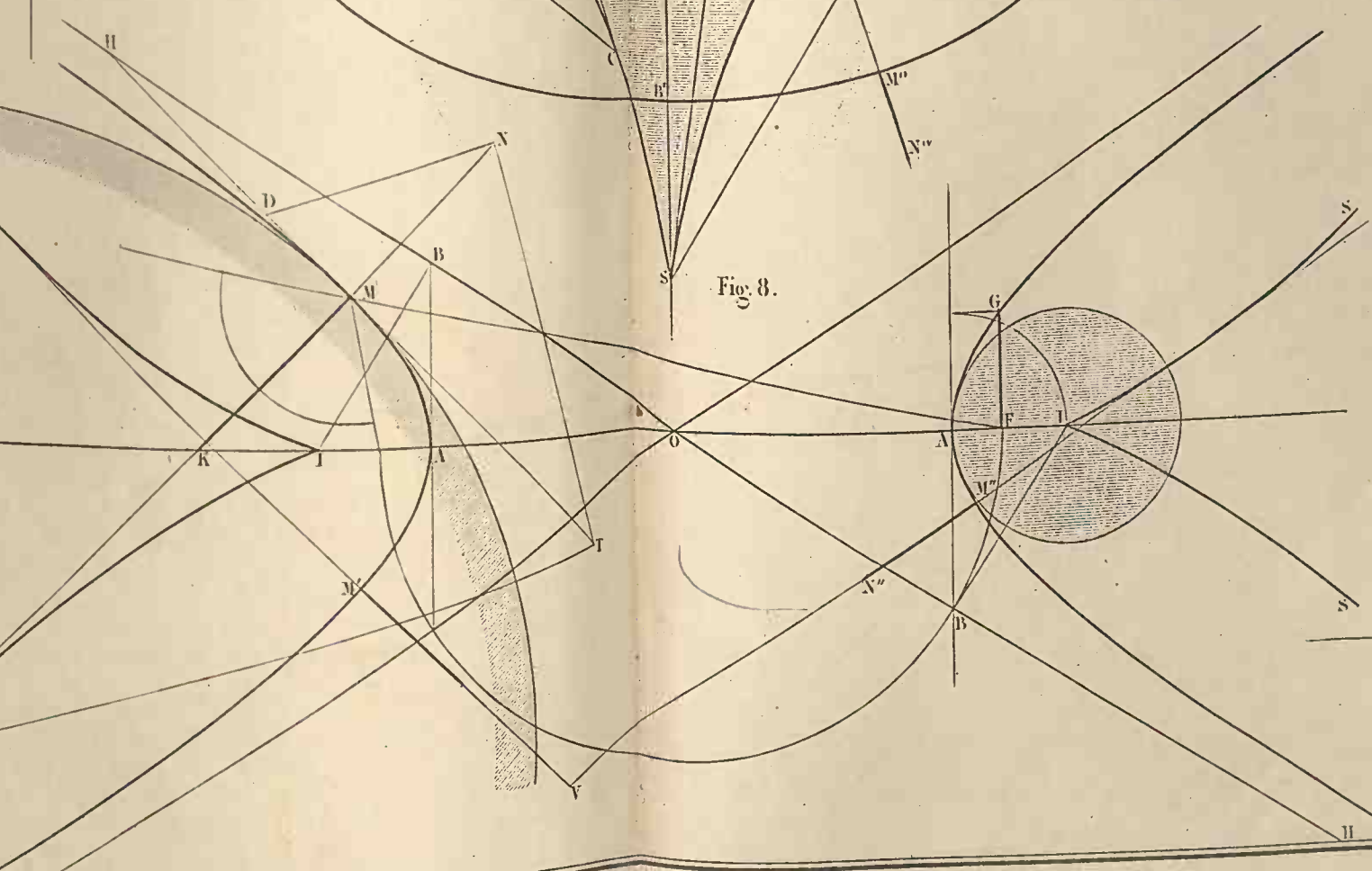
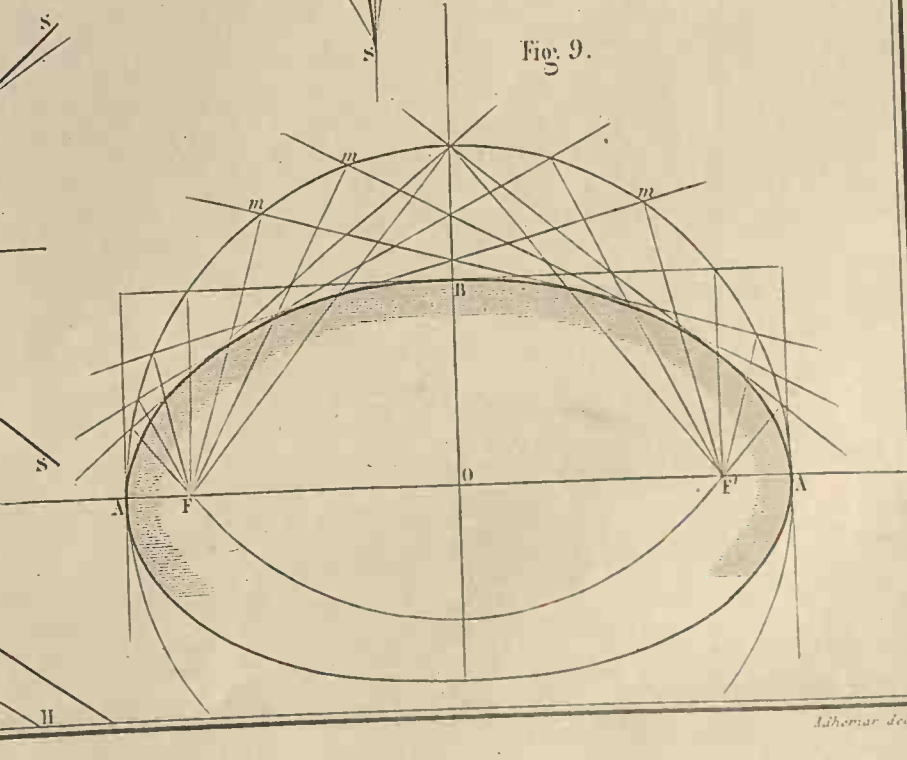
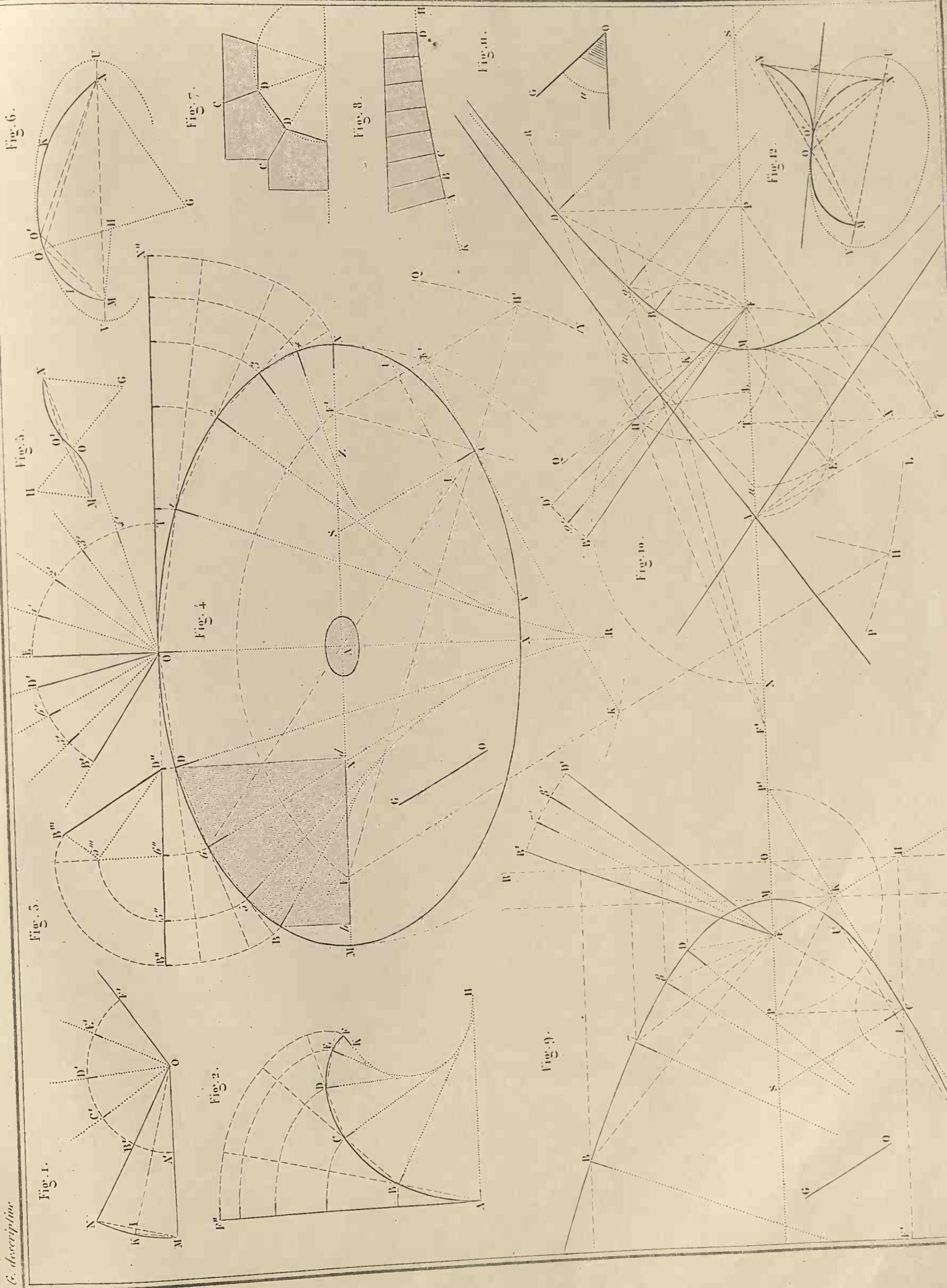


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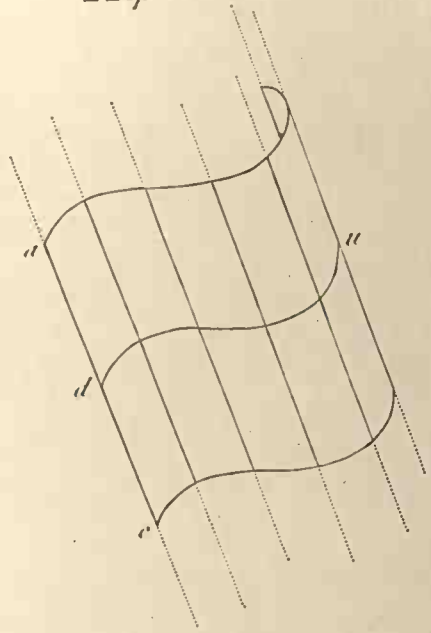


RECTIFICATION ET QUADRATURE DES COURBES

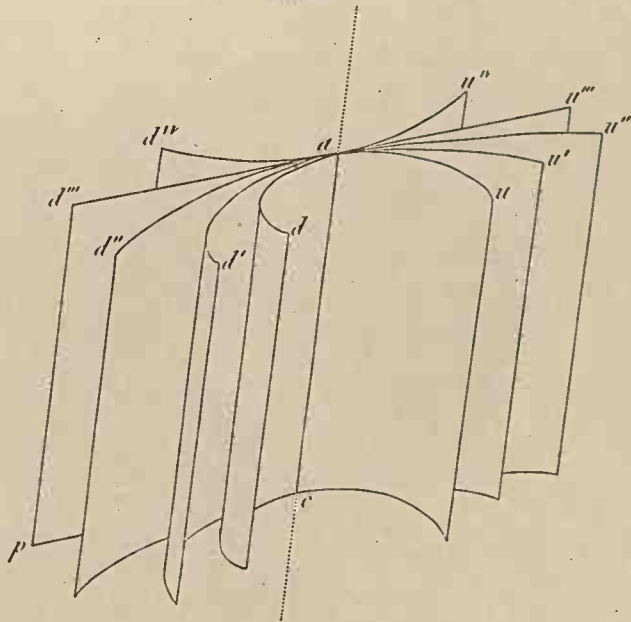
G. descriptive



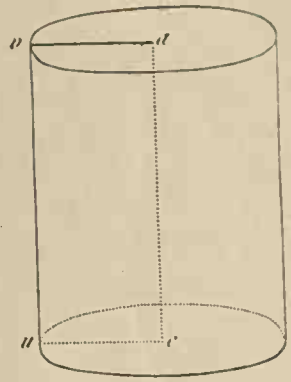
224



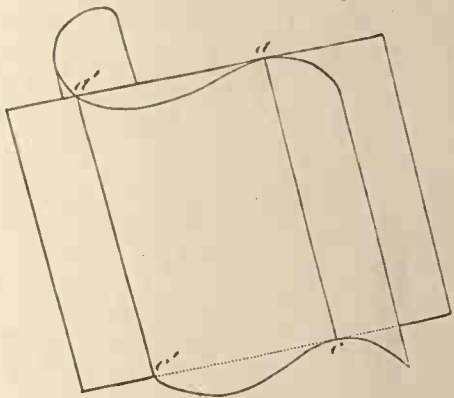
225



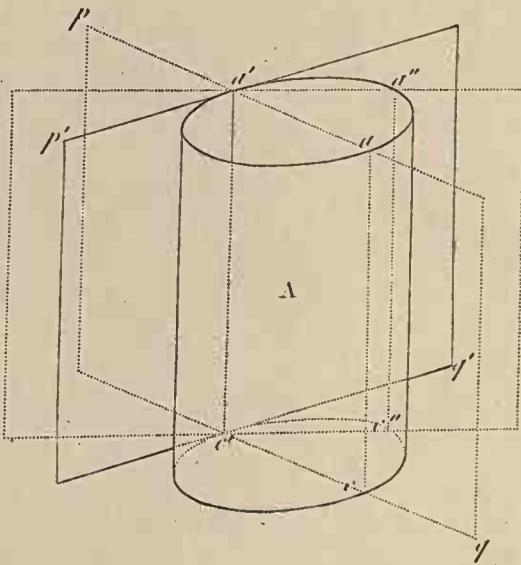
226



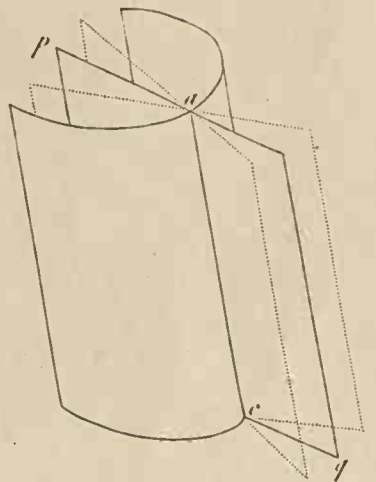
227



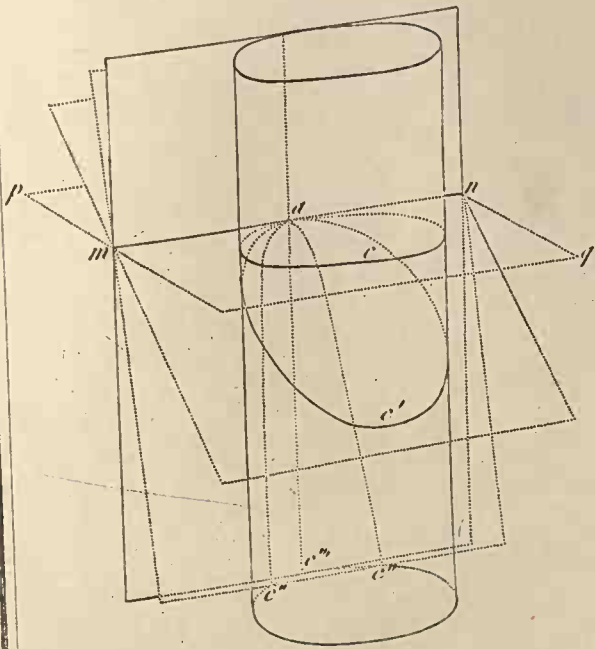
228



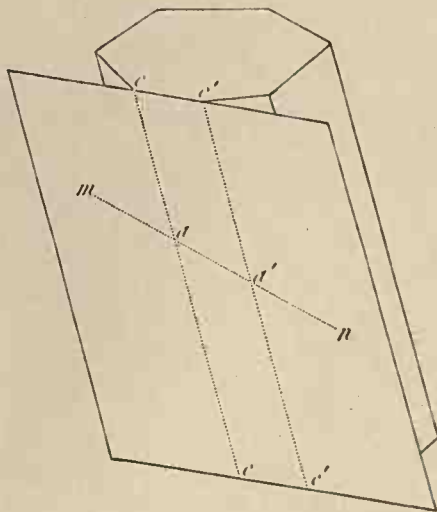
229



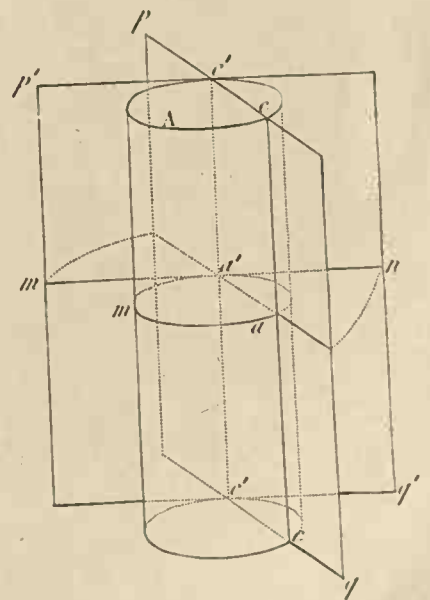
230

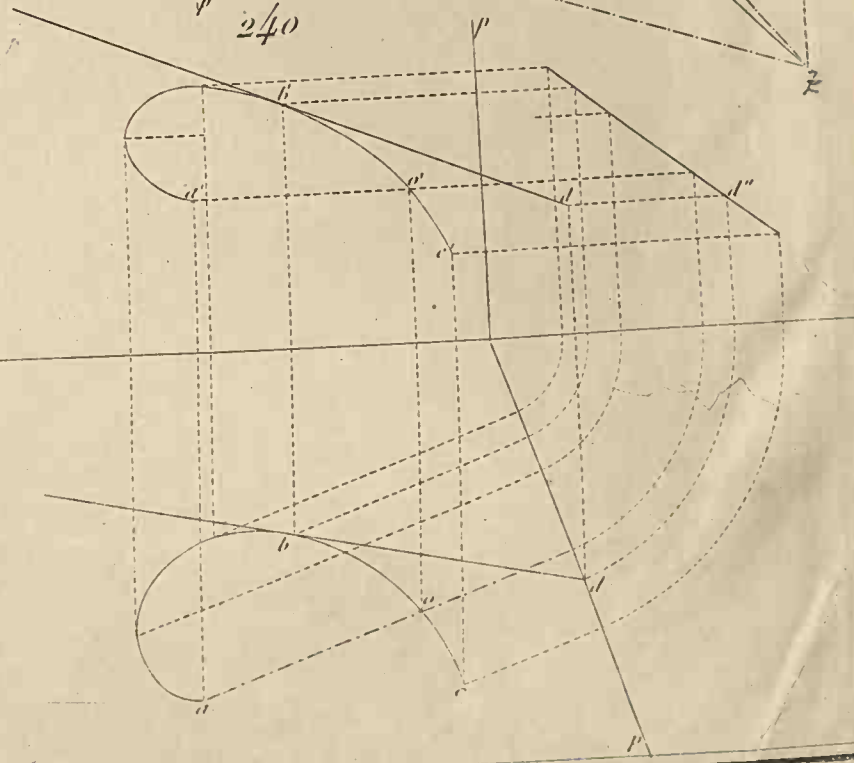
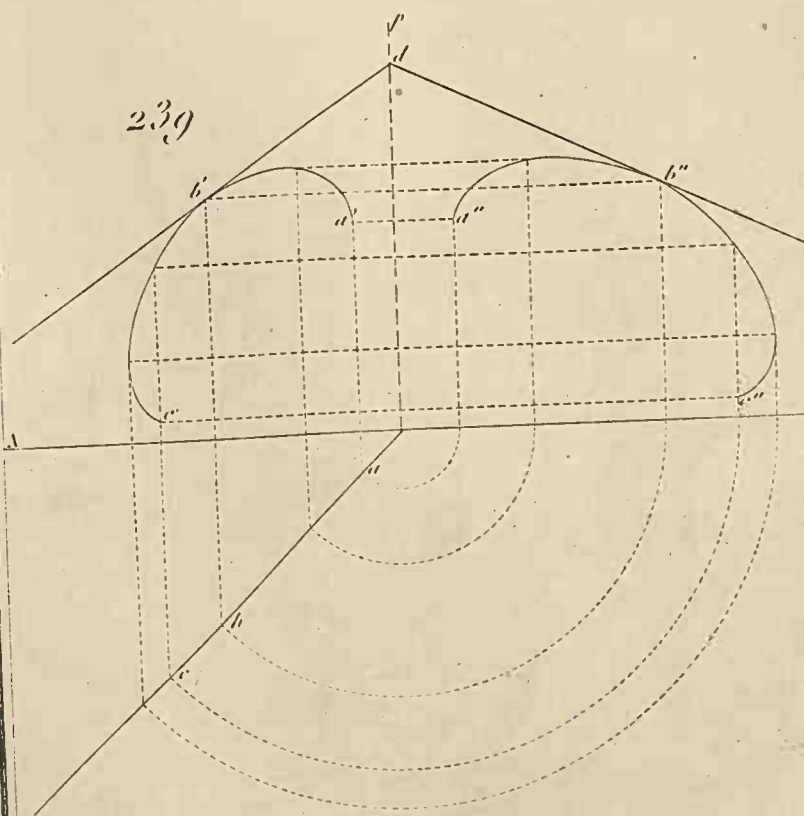
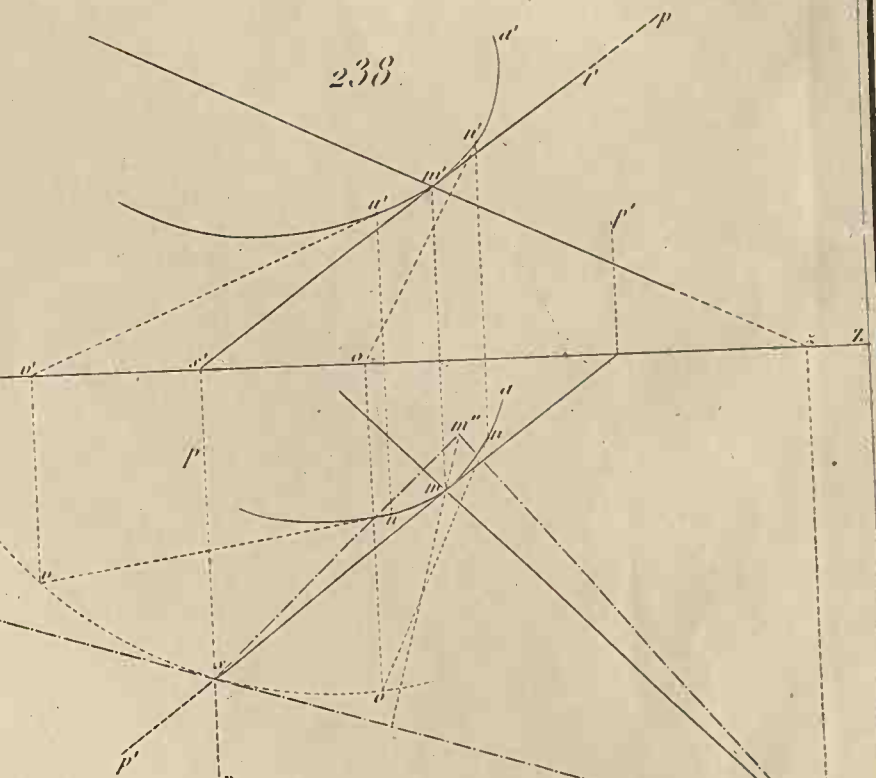
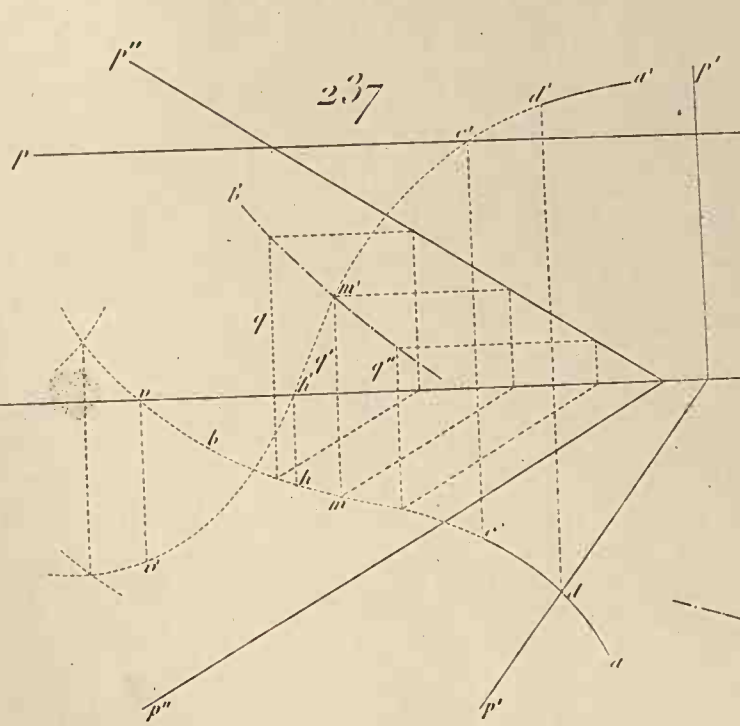
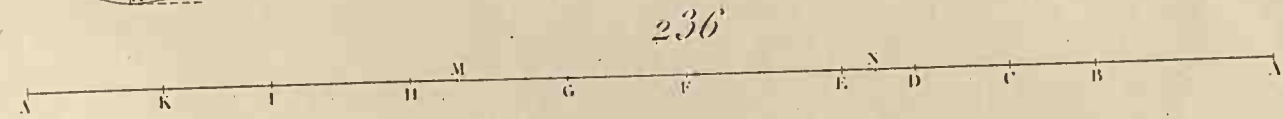
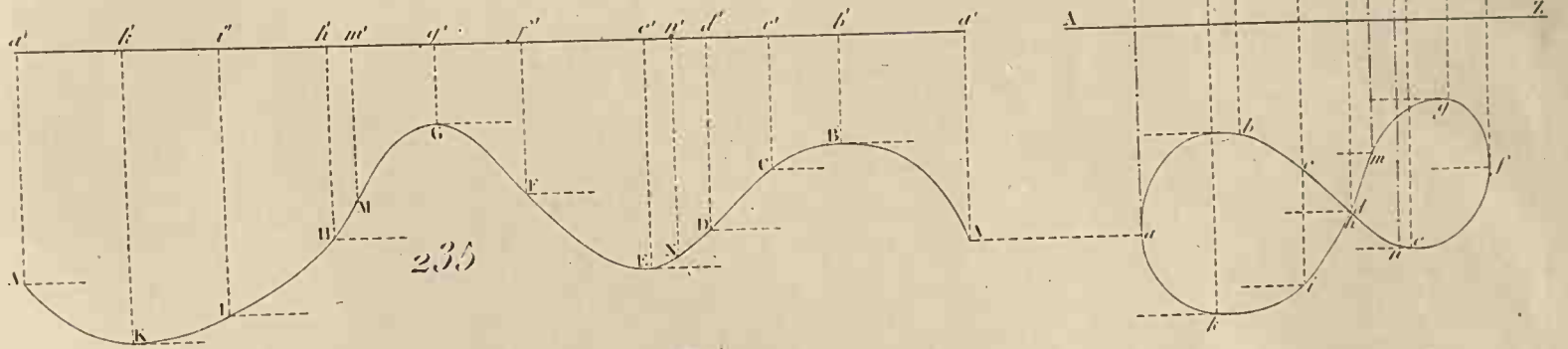
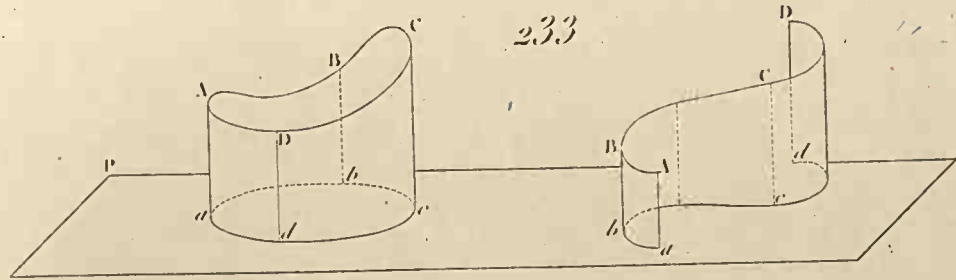


231



232

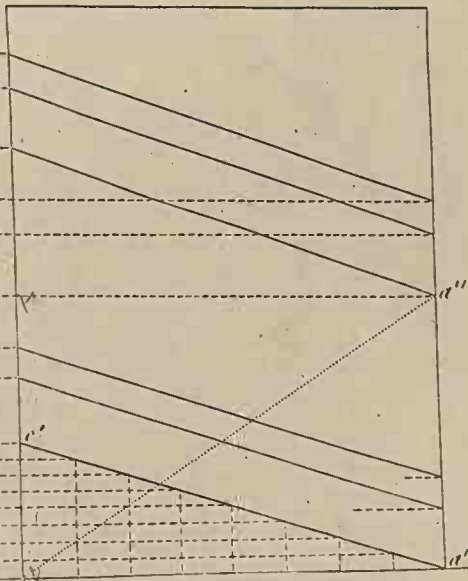




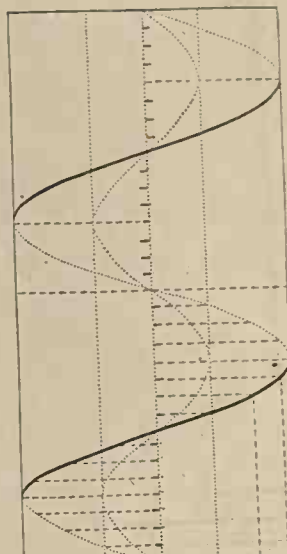
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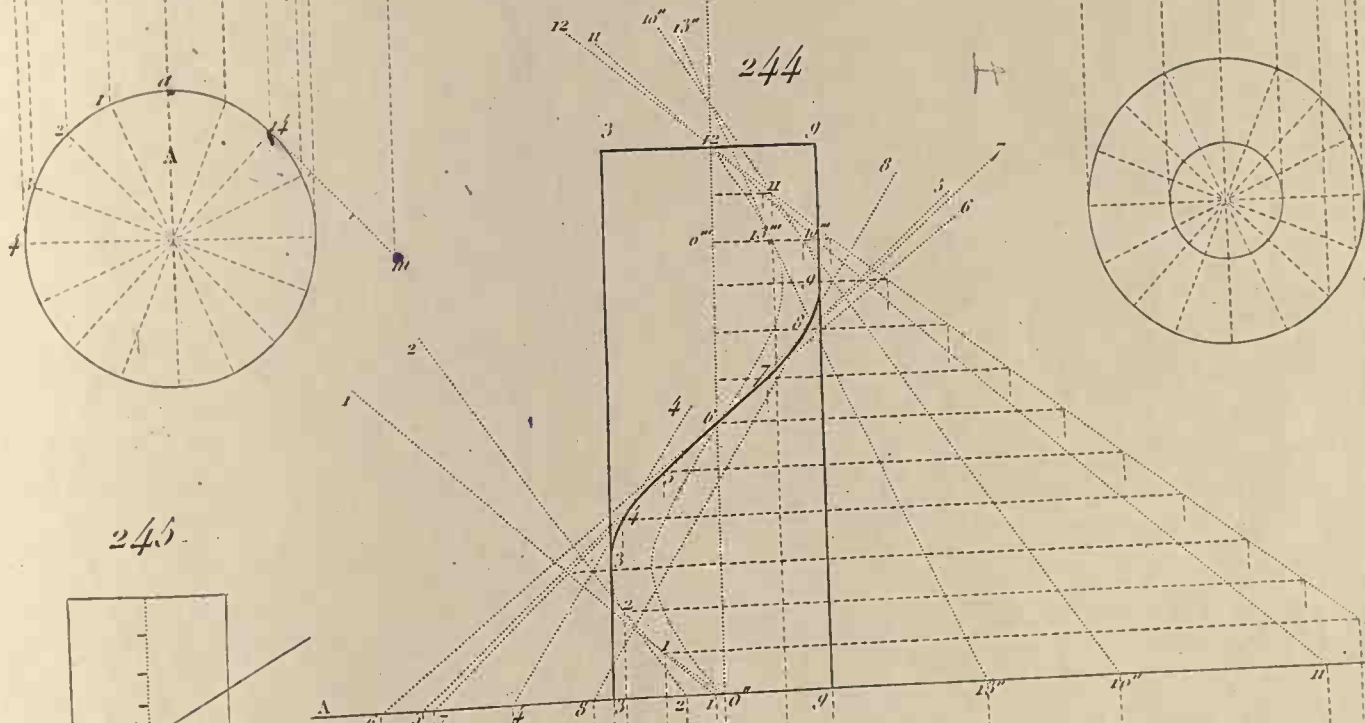
242



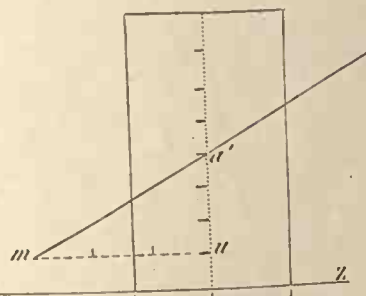
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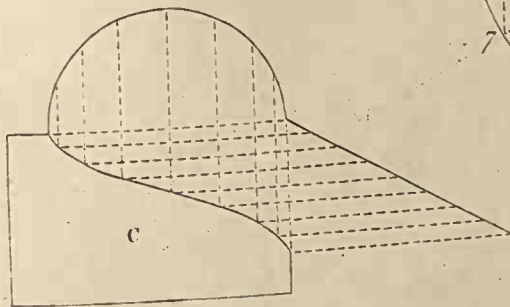
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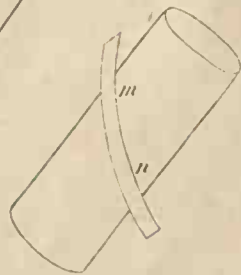
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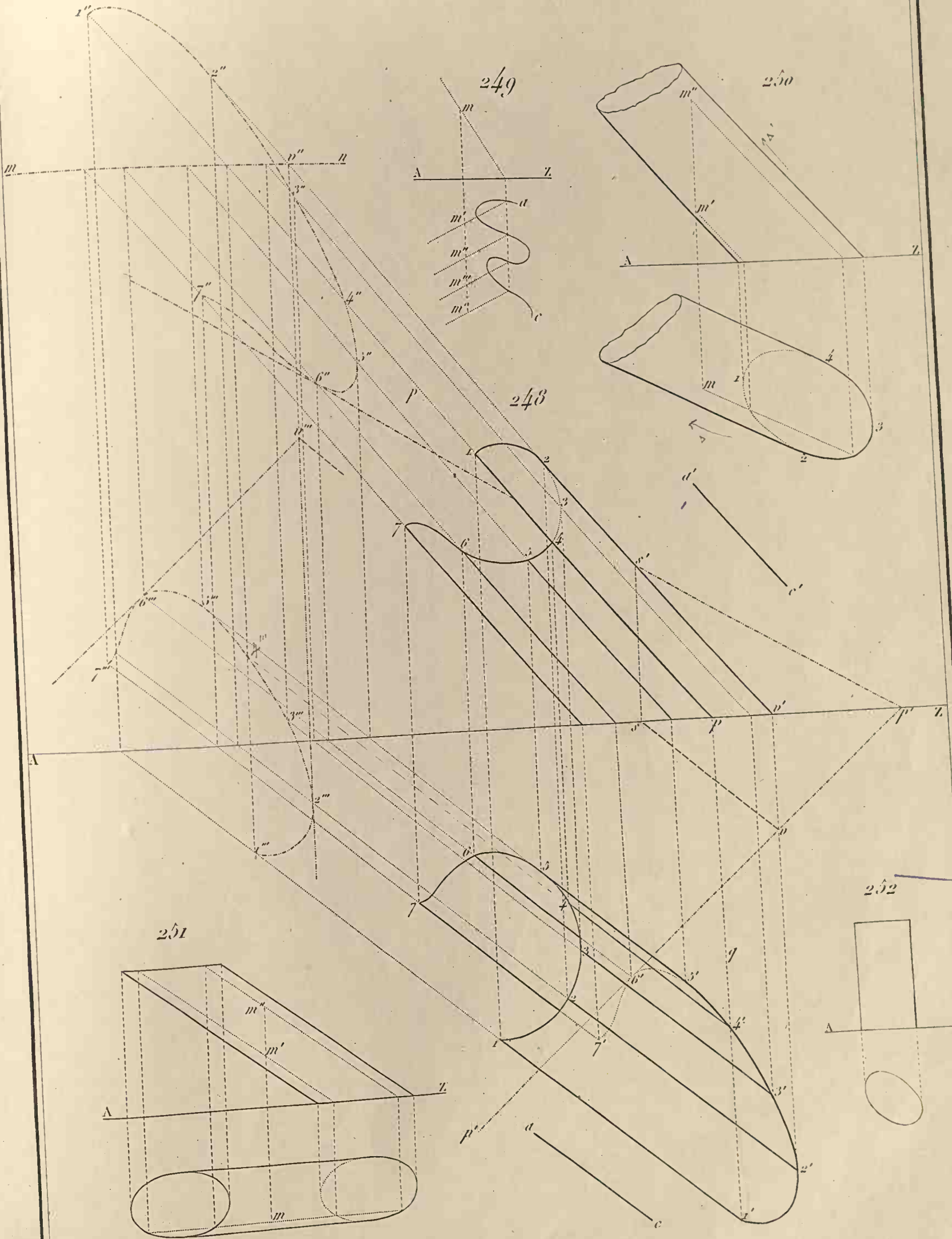
246



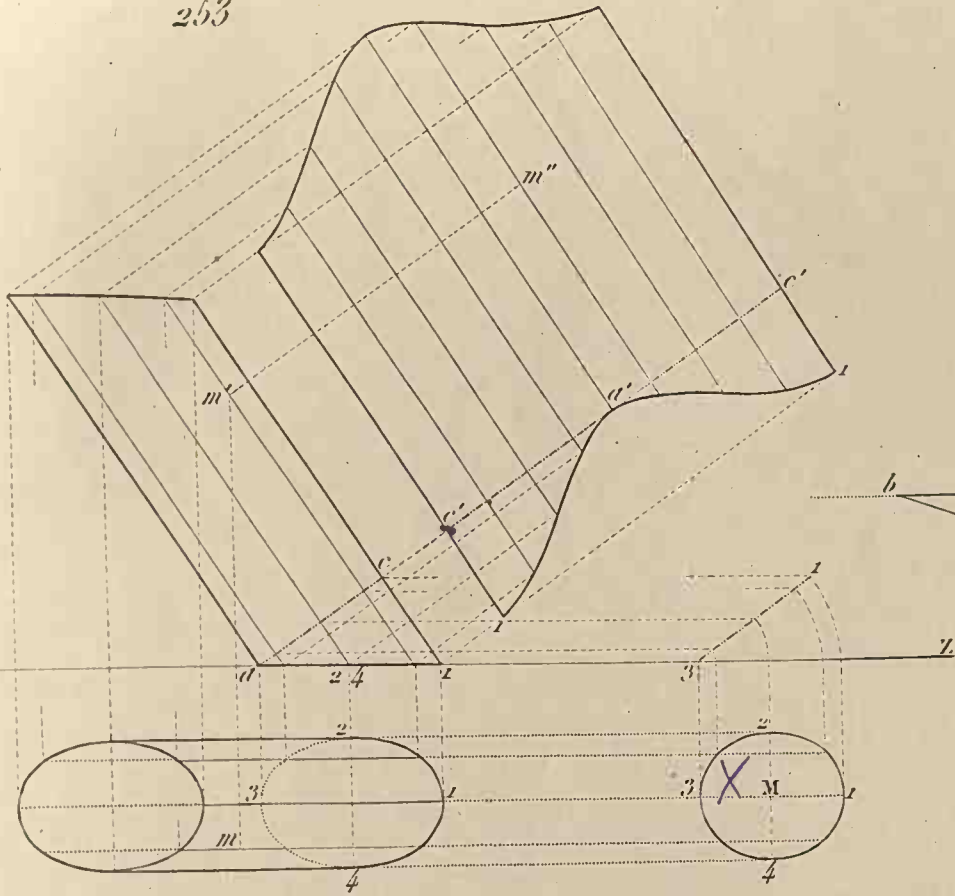
247



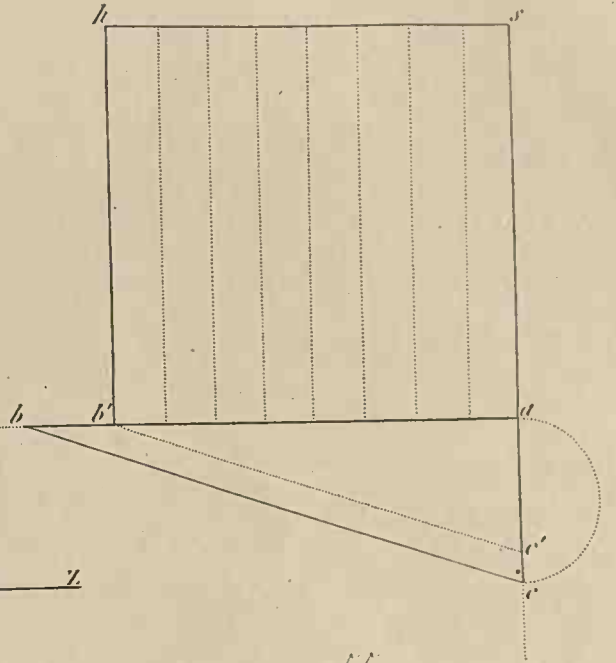
Ingenieur Raphaelia 175. Le ...



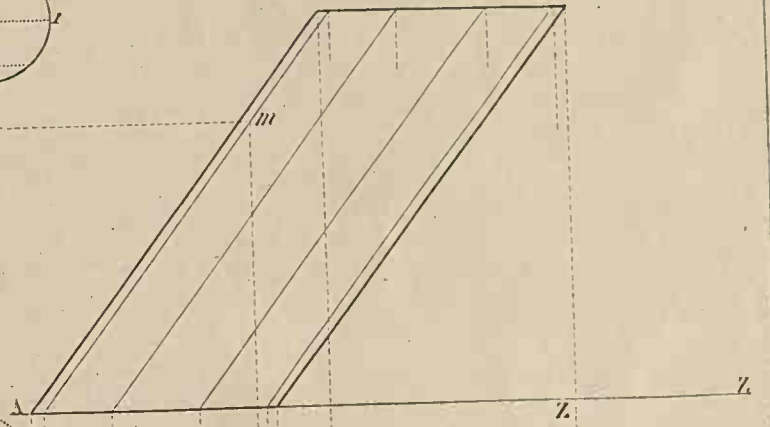
253



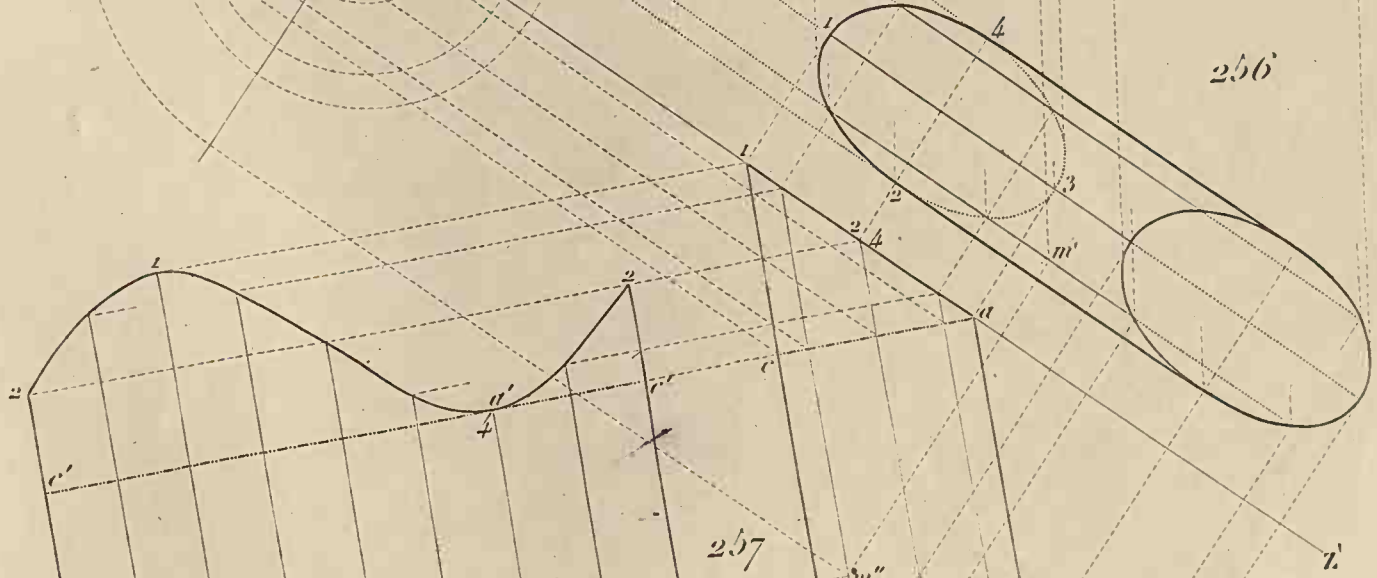
254



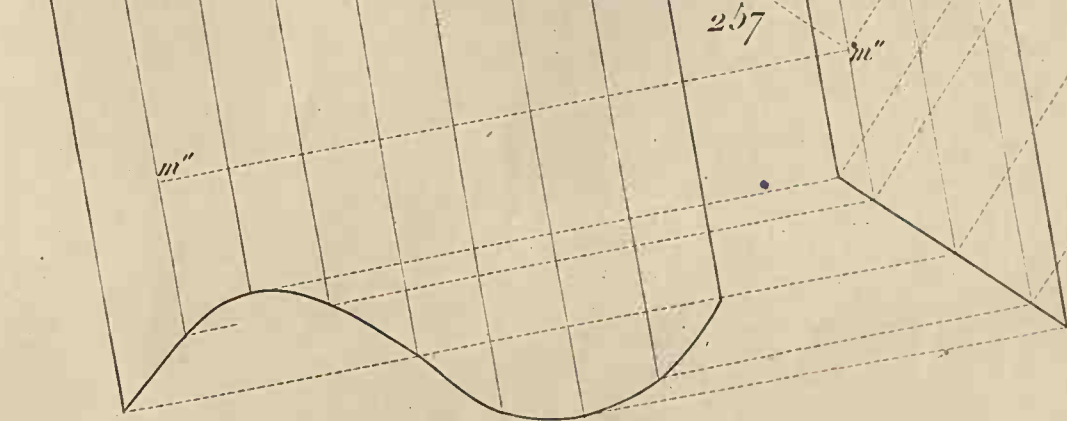
255



256

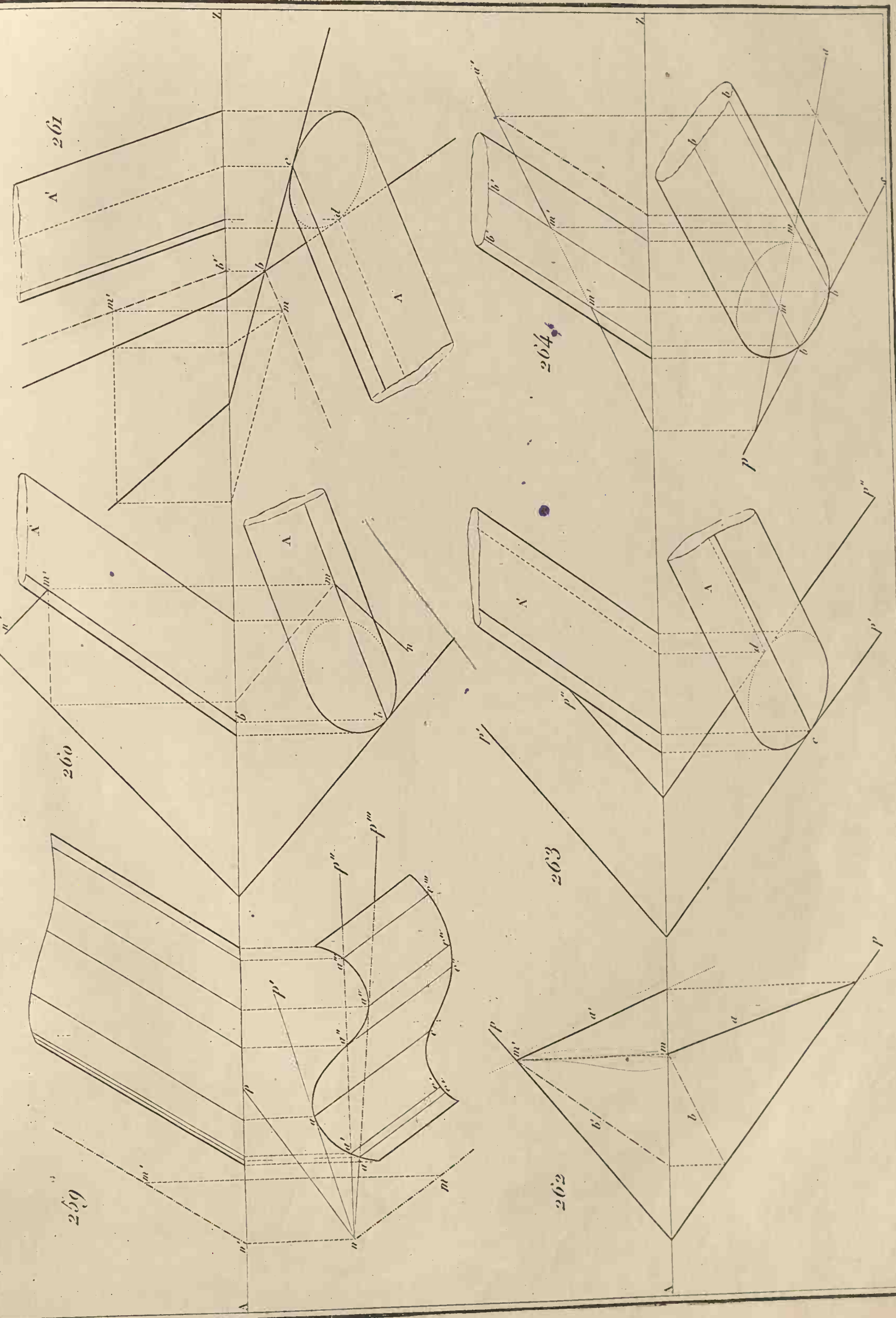


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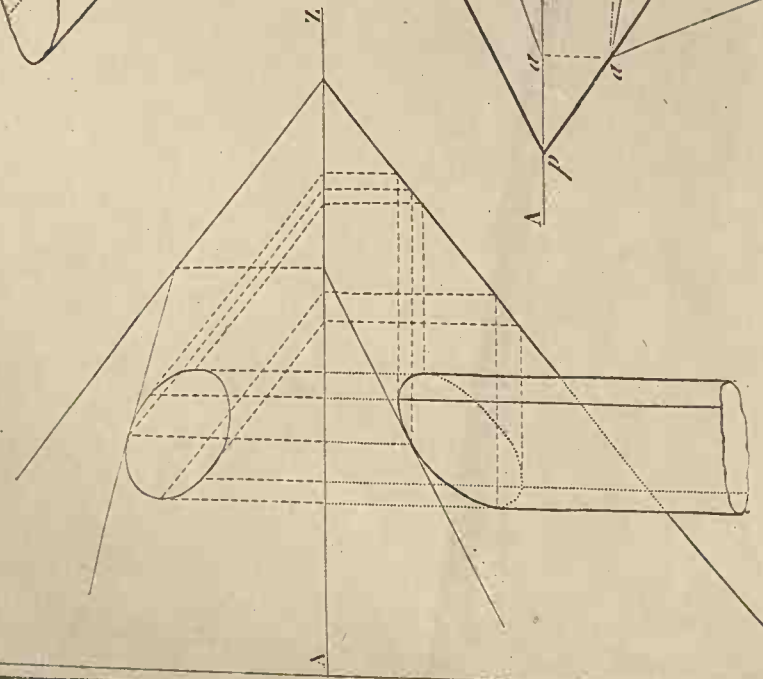


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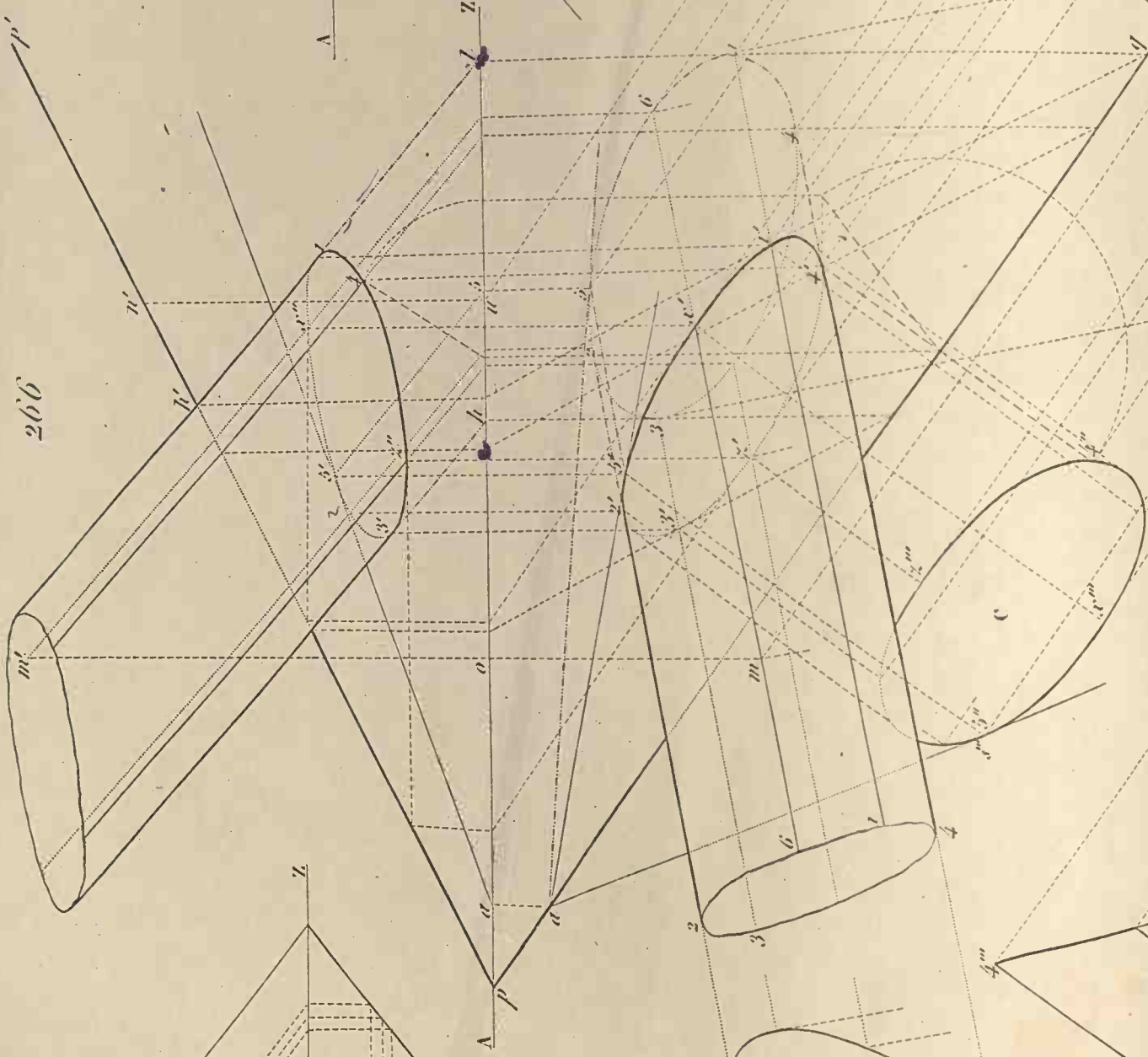




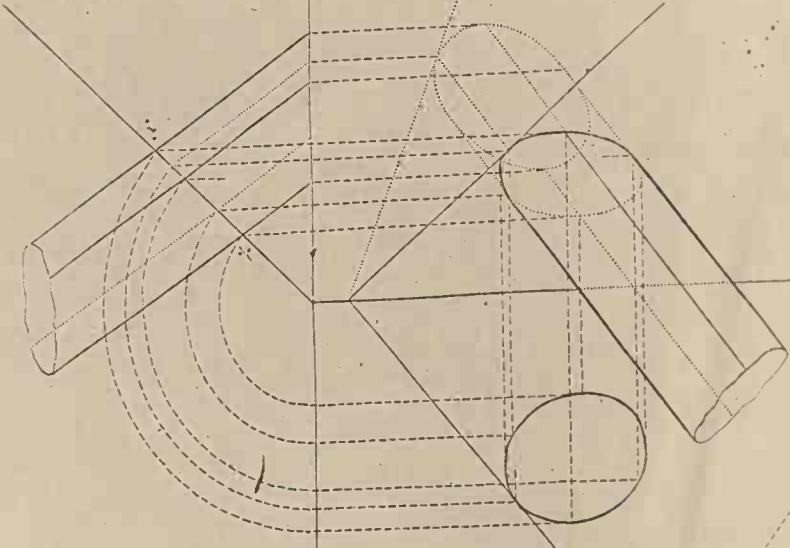
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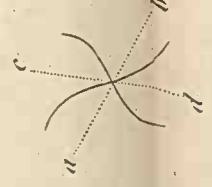
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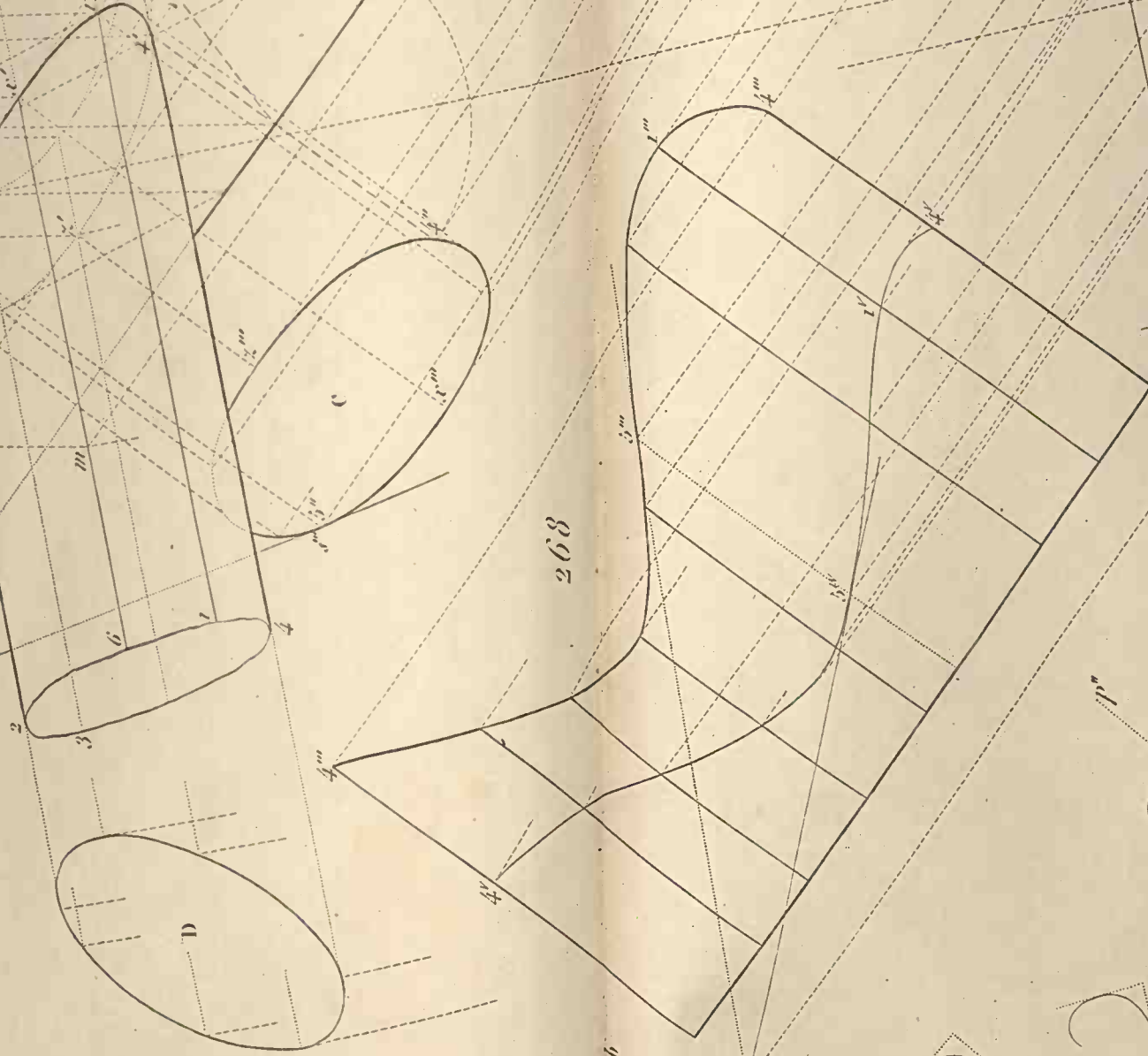
267



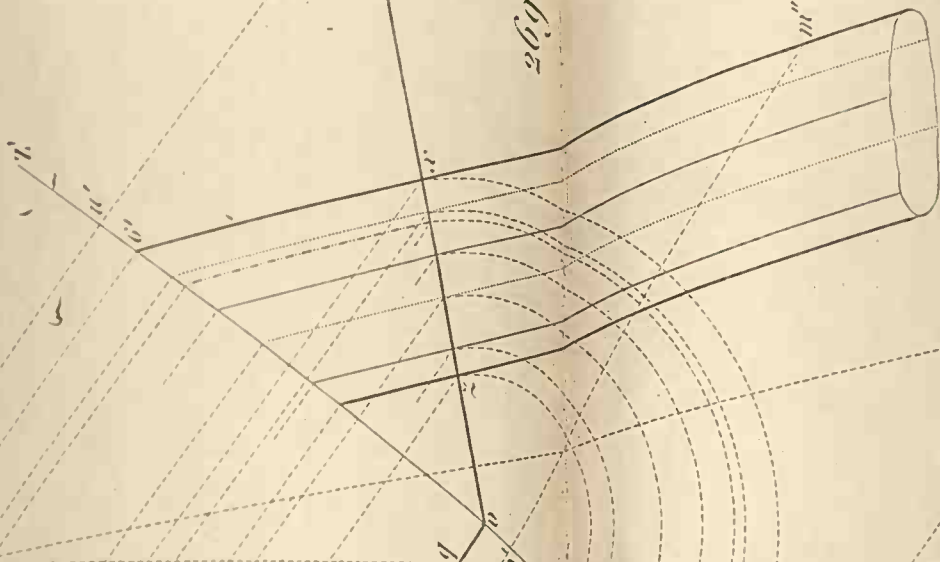
270



268



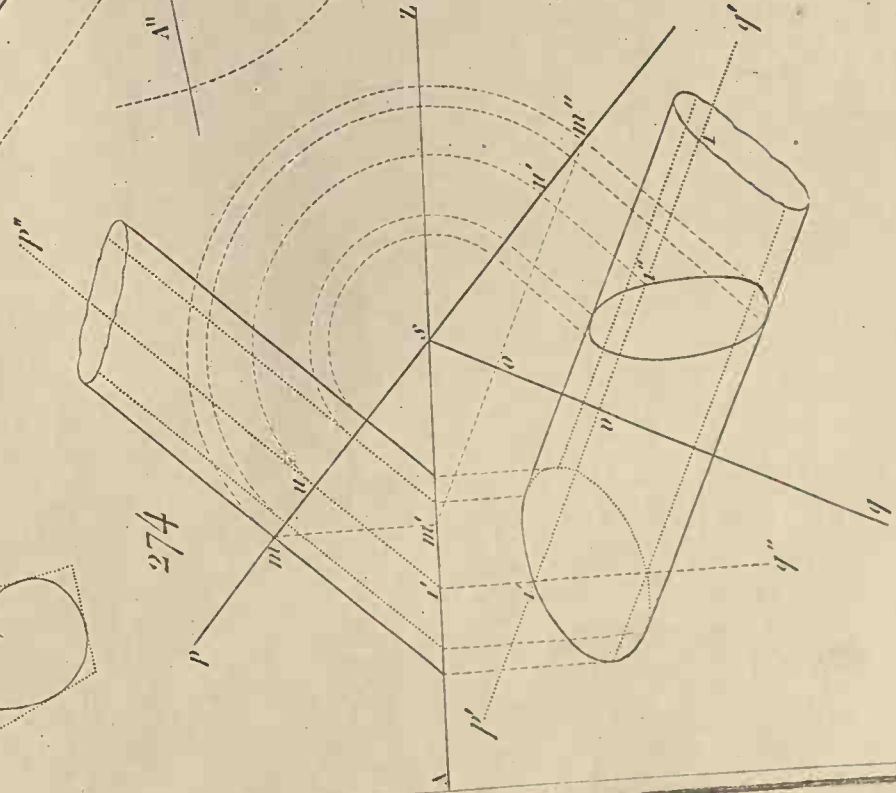
269



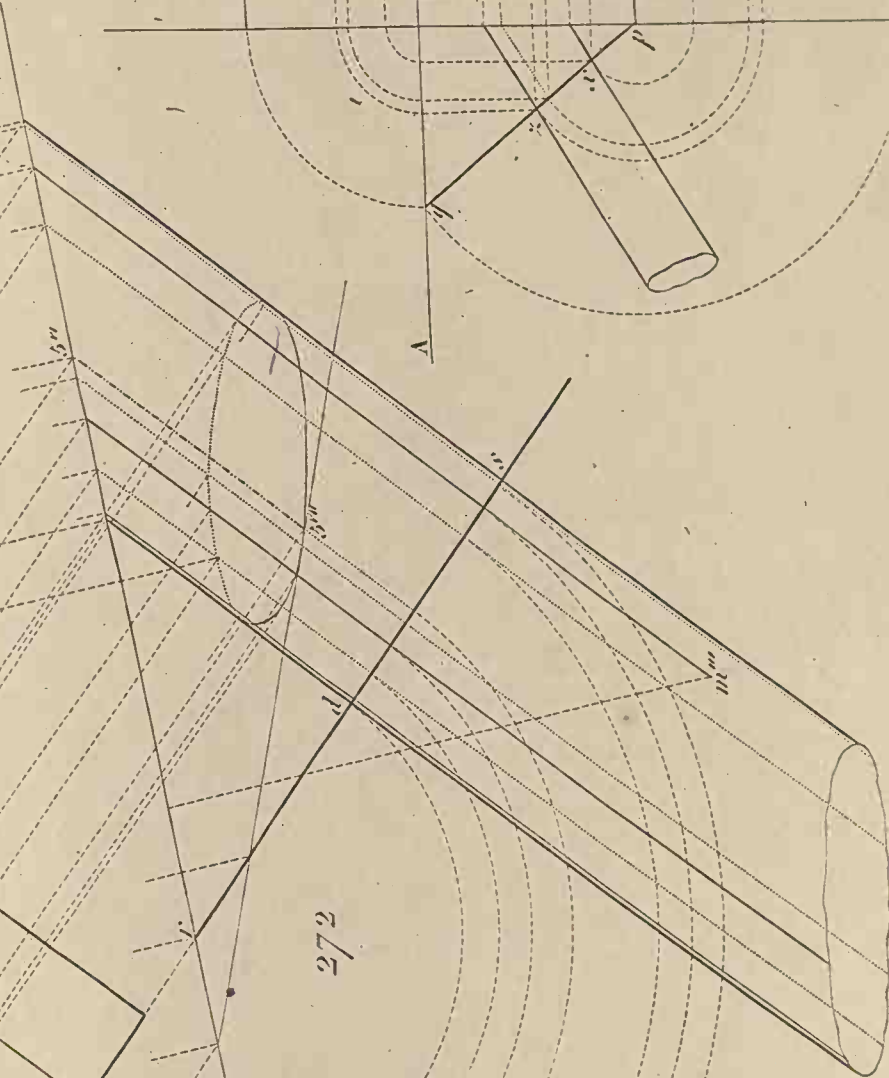
271



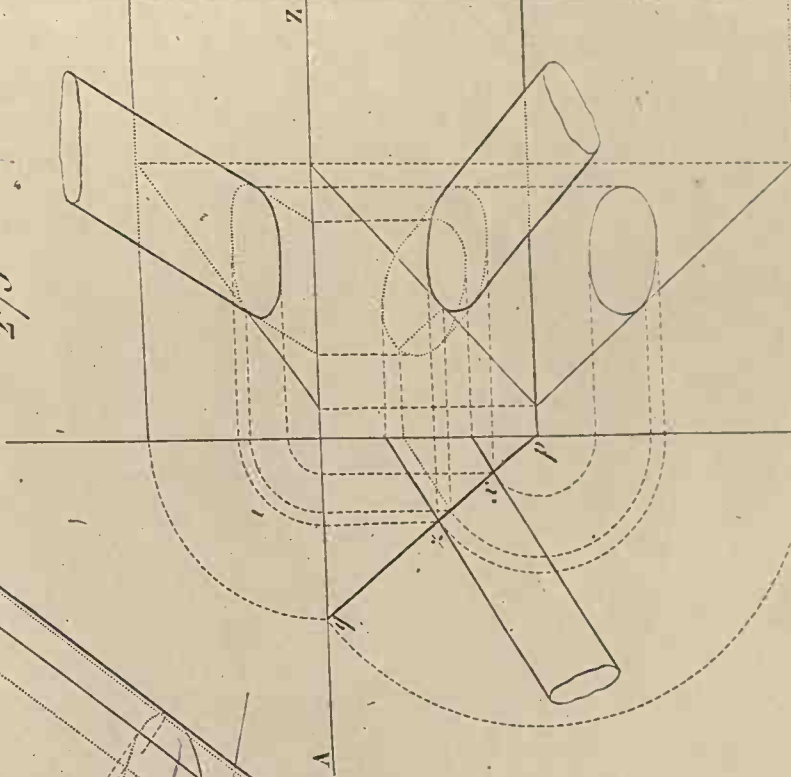
274

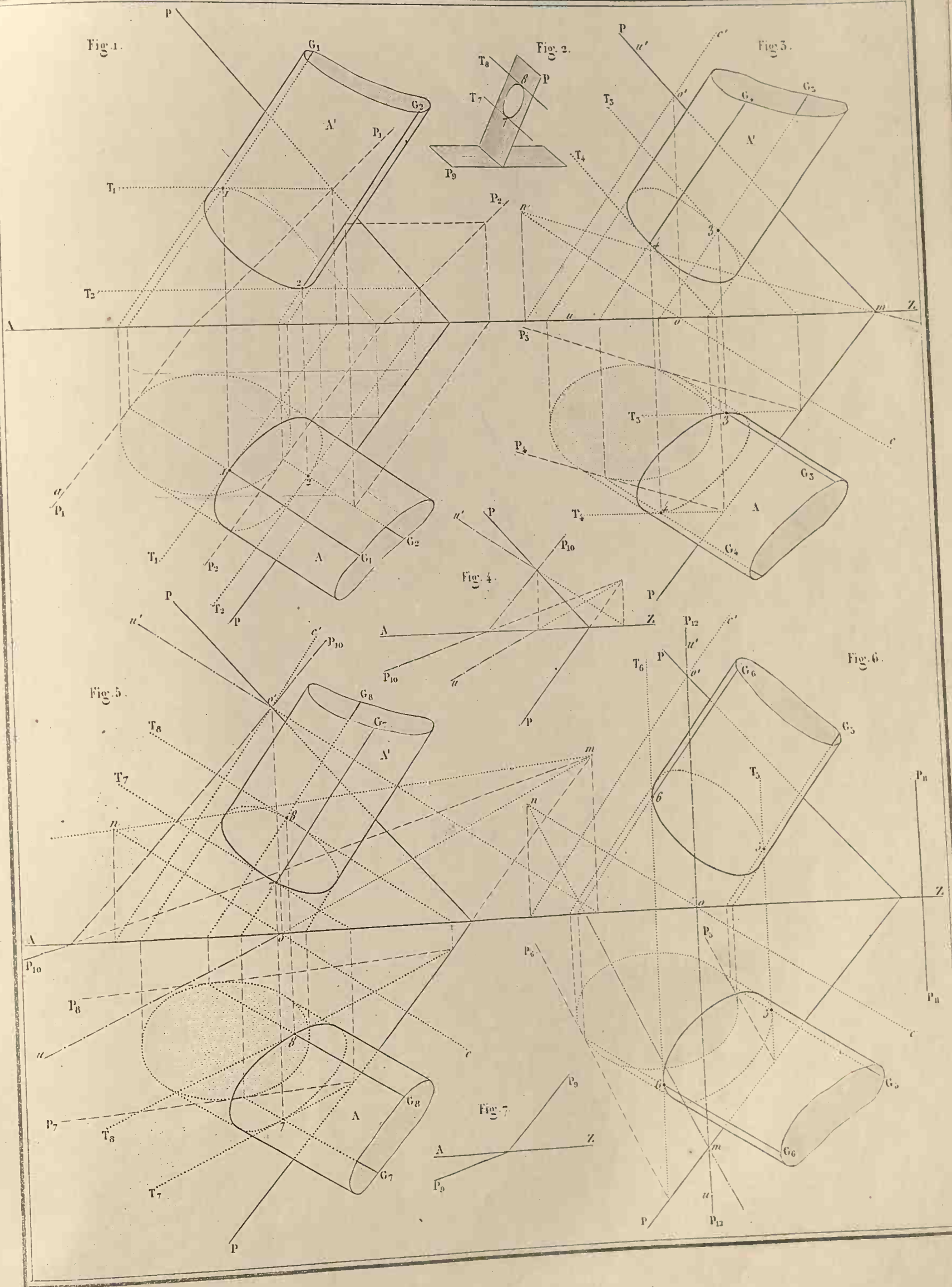


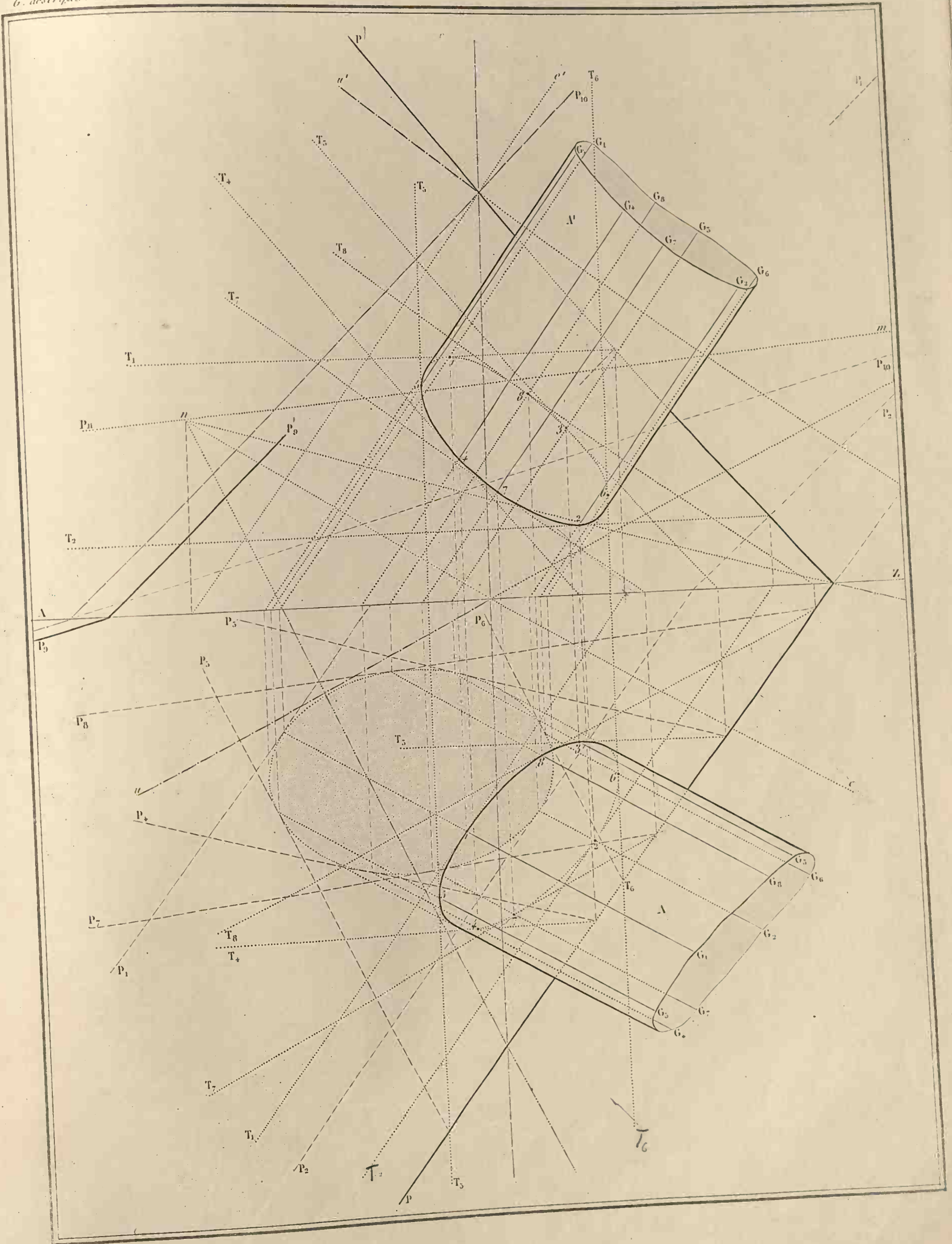
272



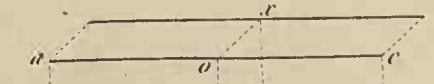
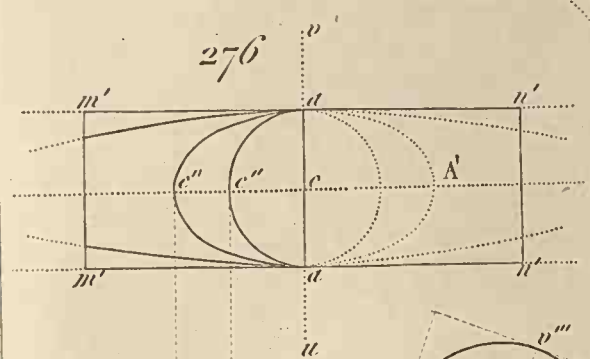
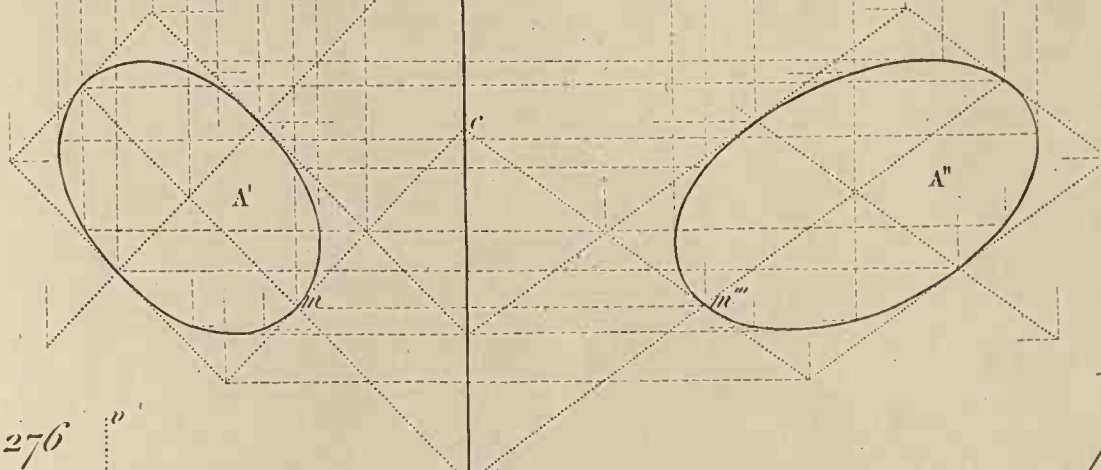
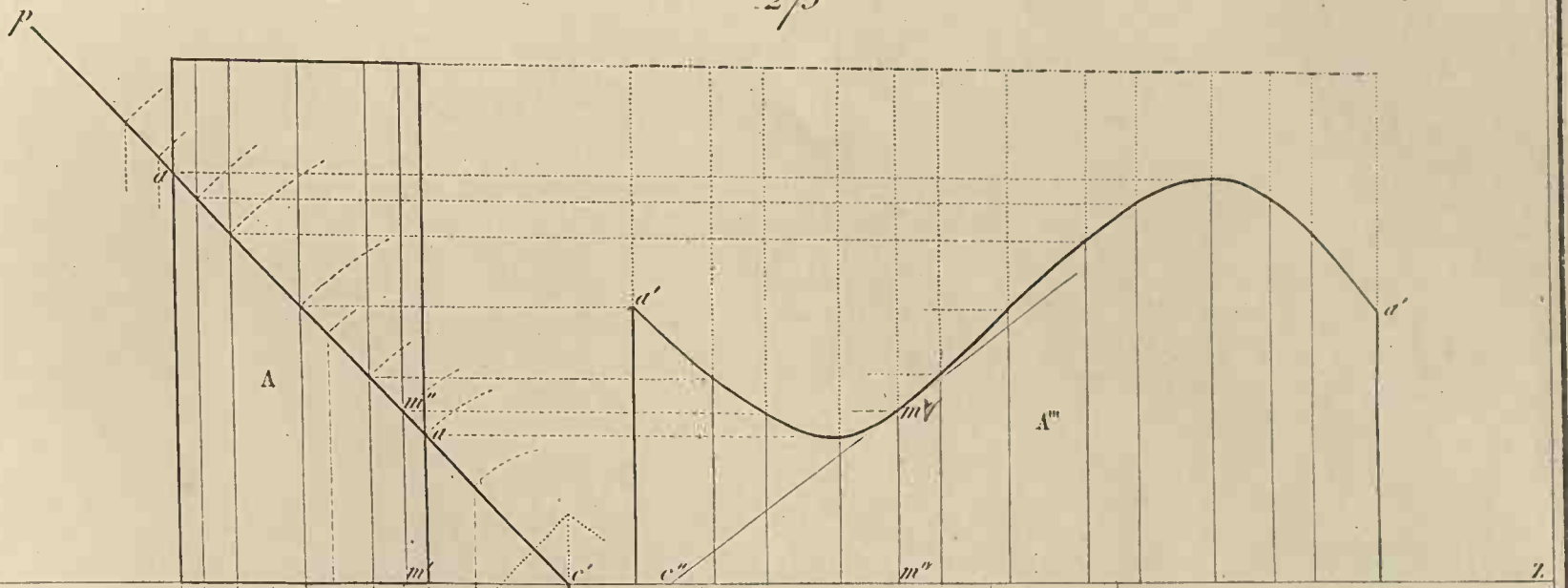
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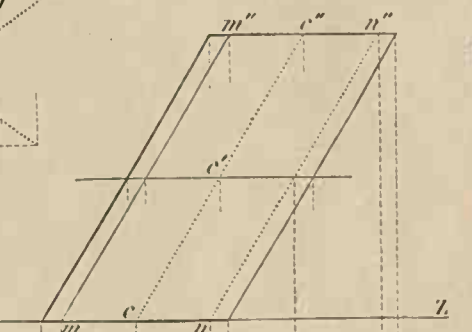
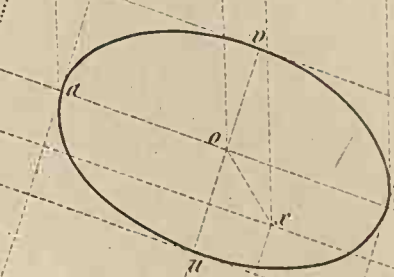
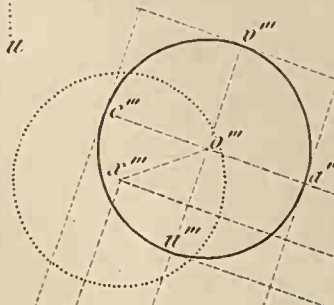




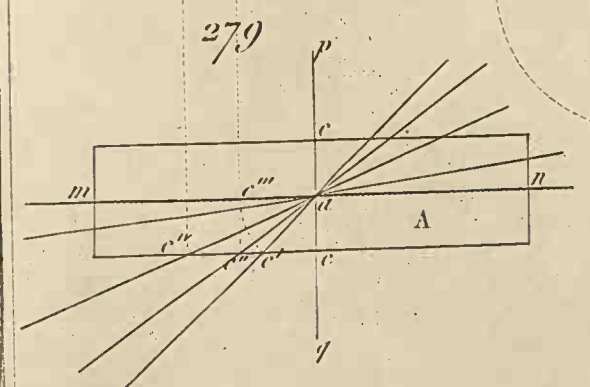
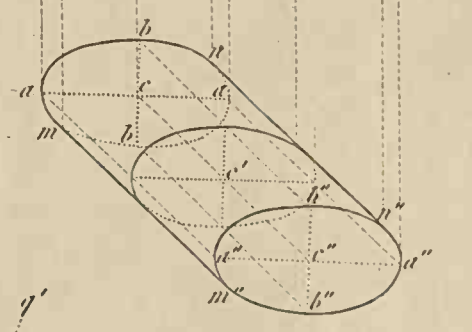
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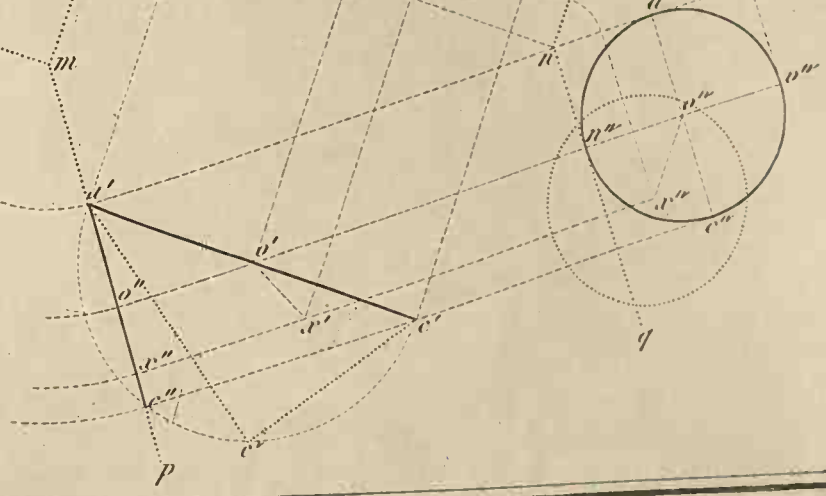
277



278

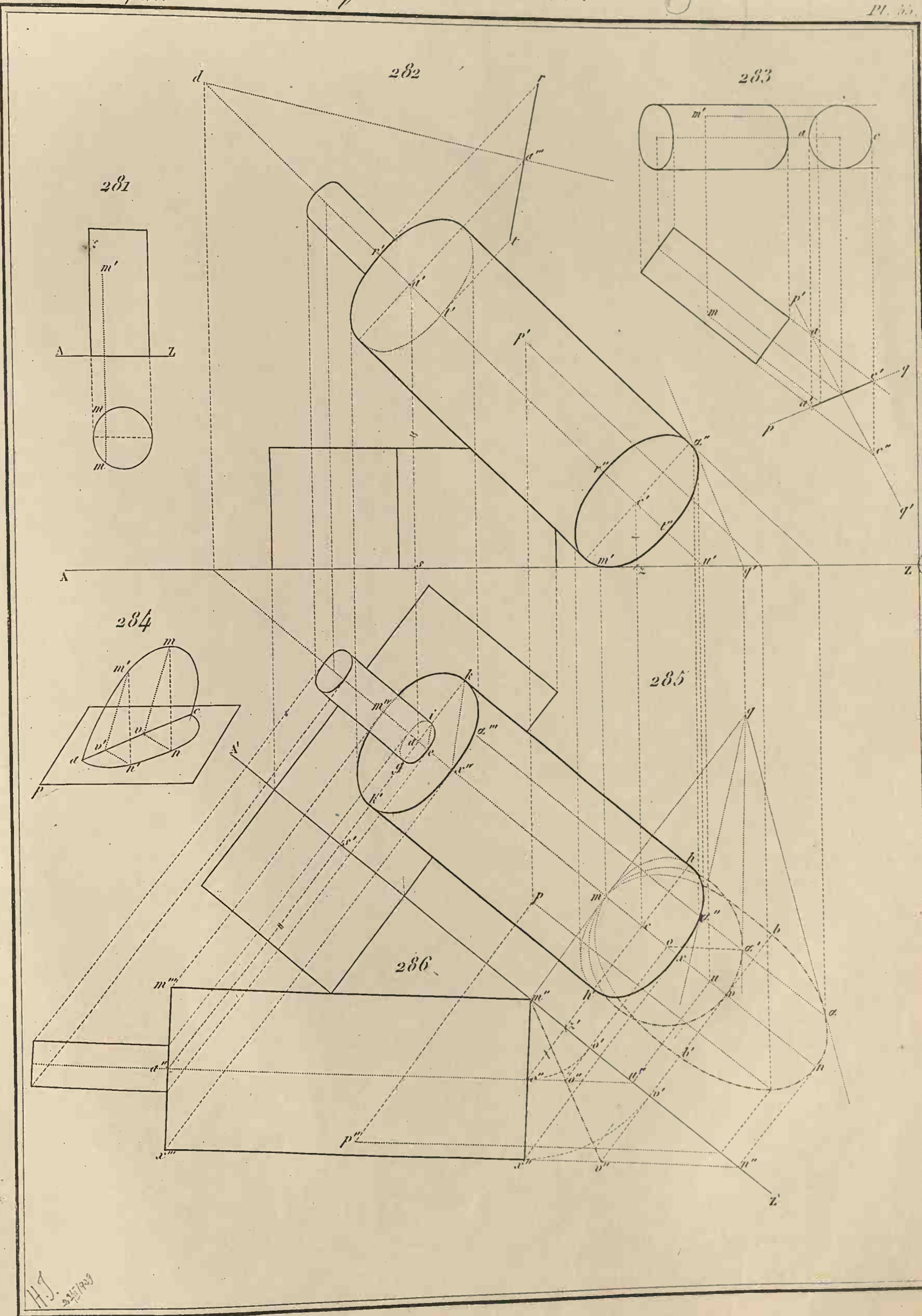


279

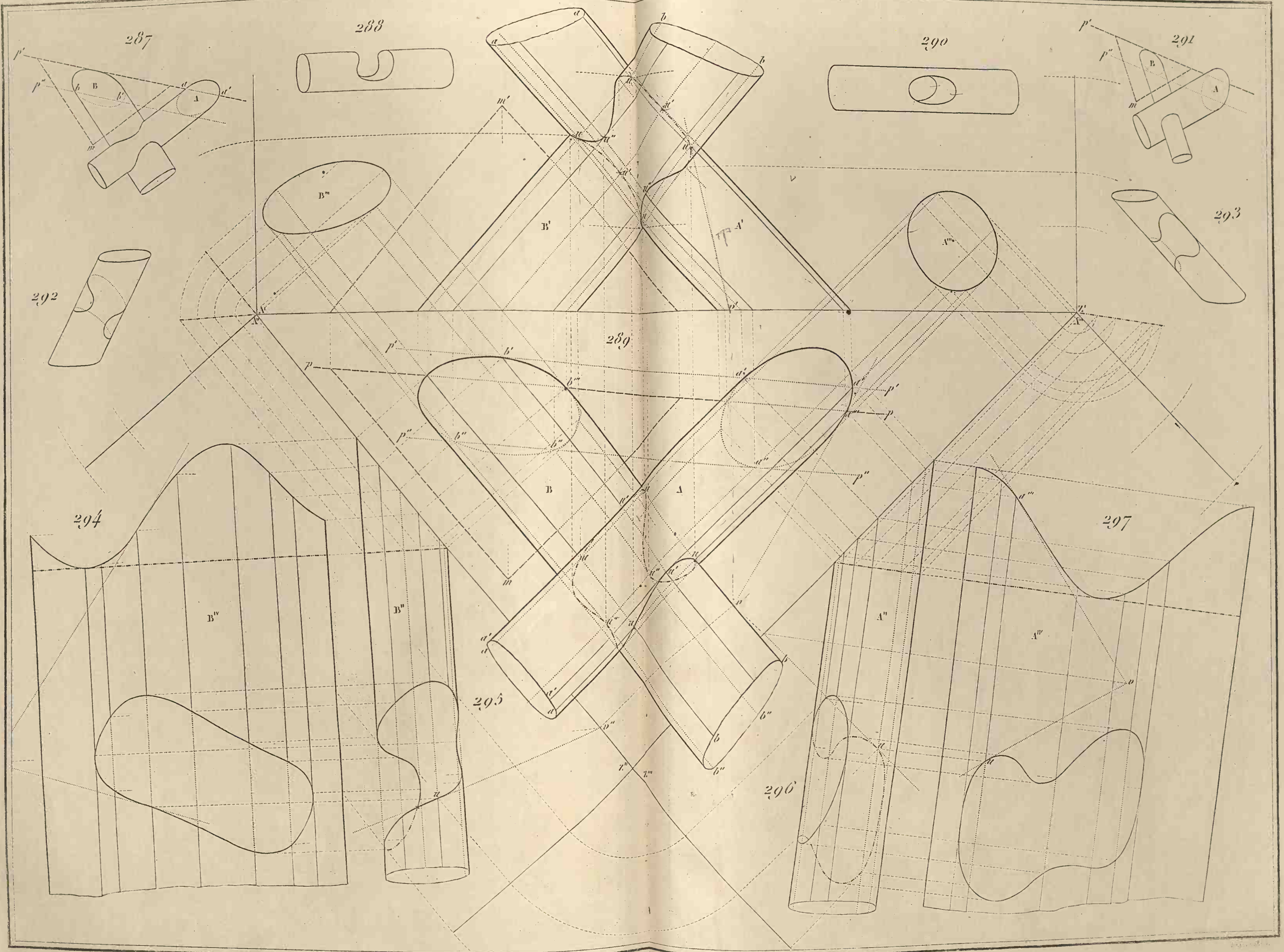


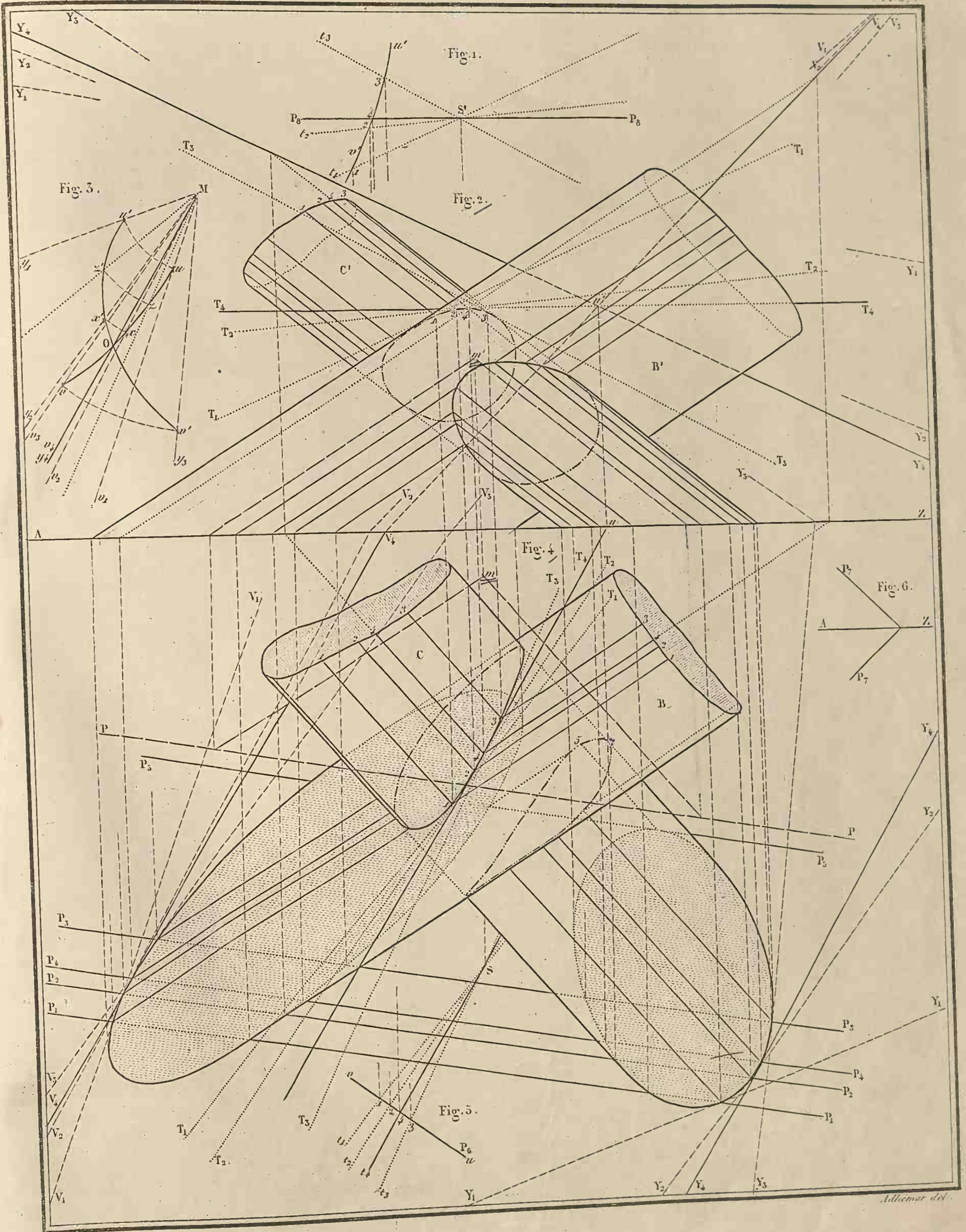
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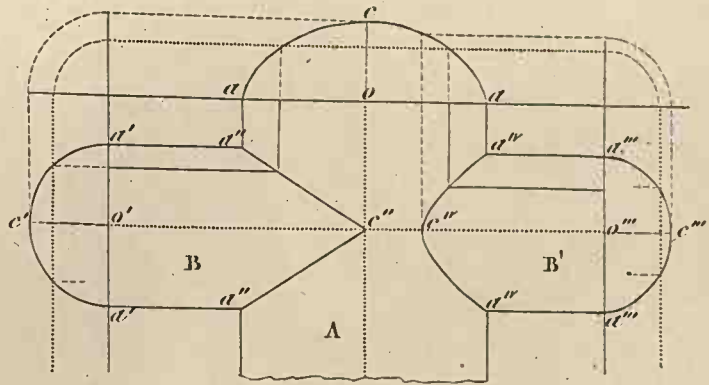


H.J. 24/12/23

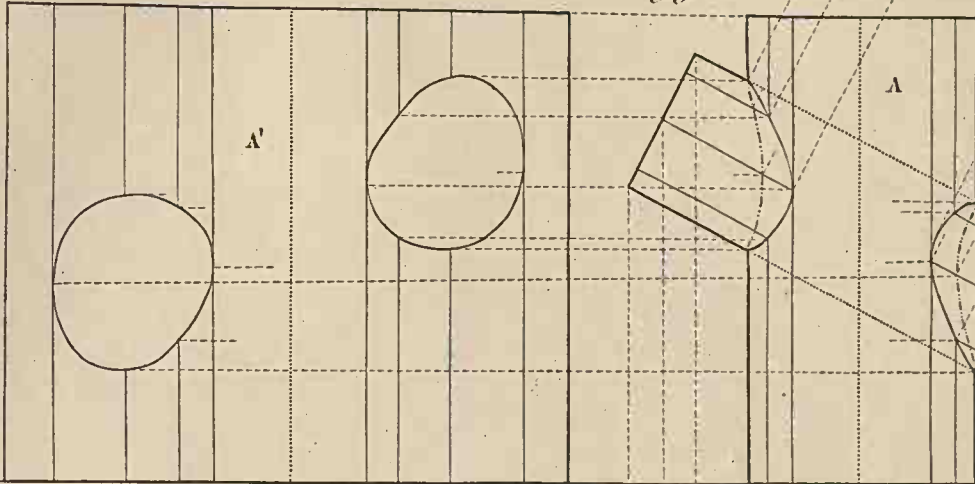




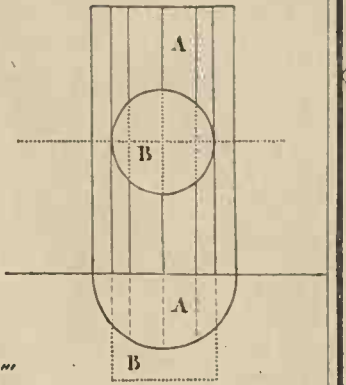
298



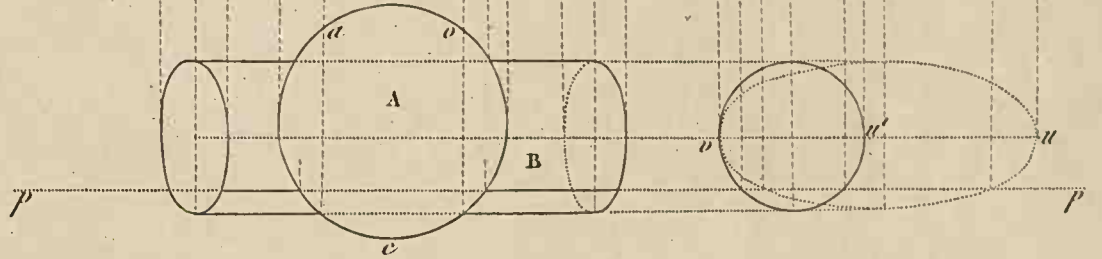
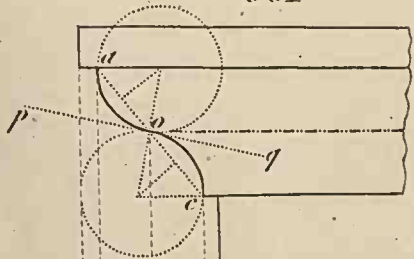
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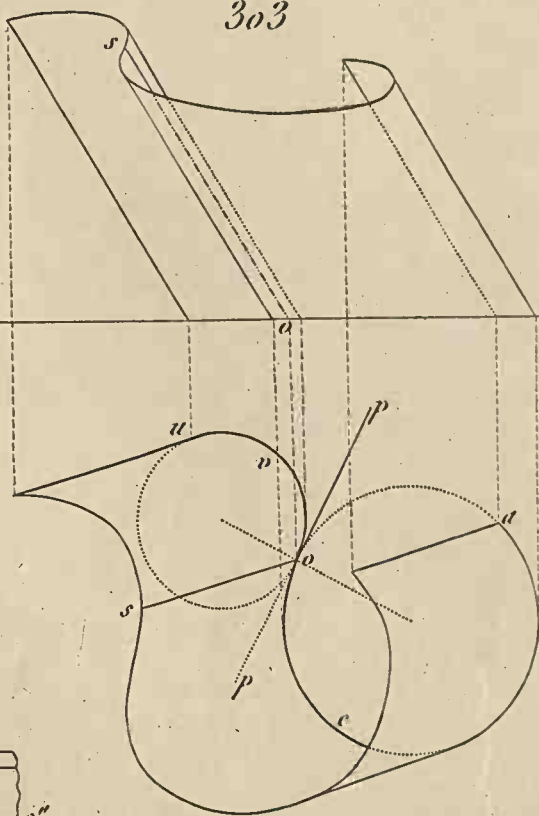
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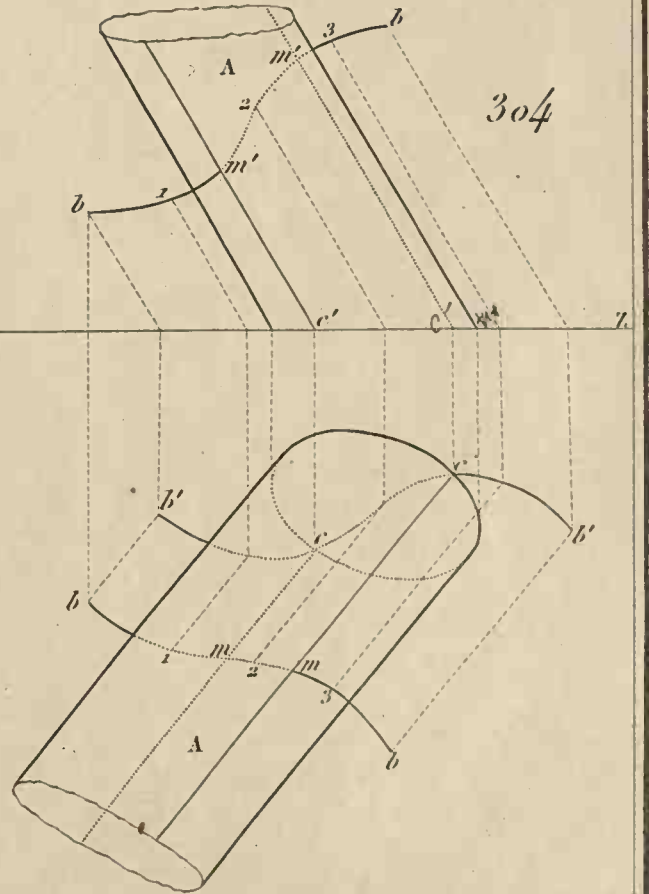
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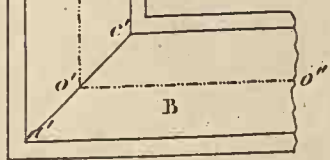
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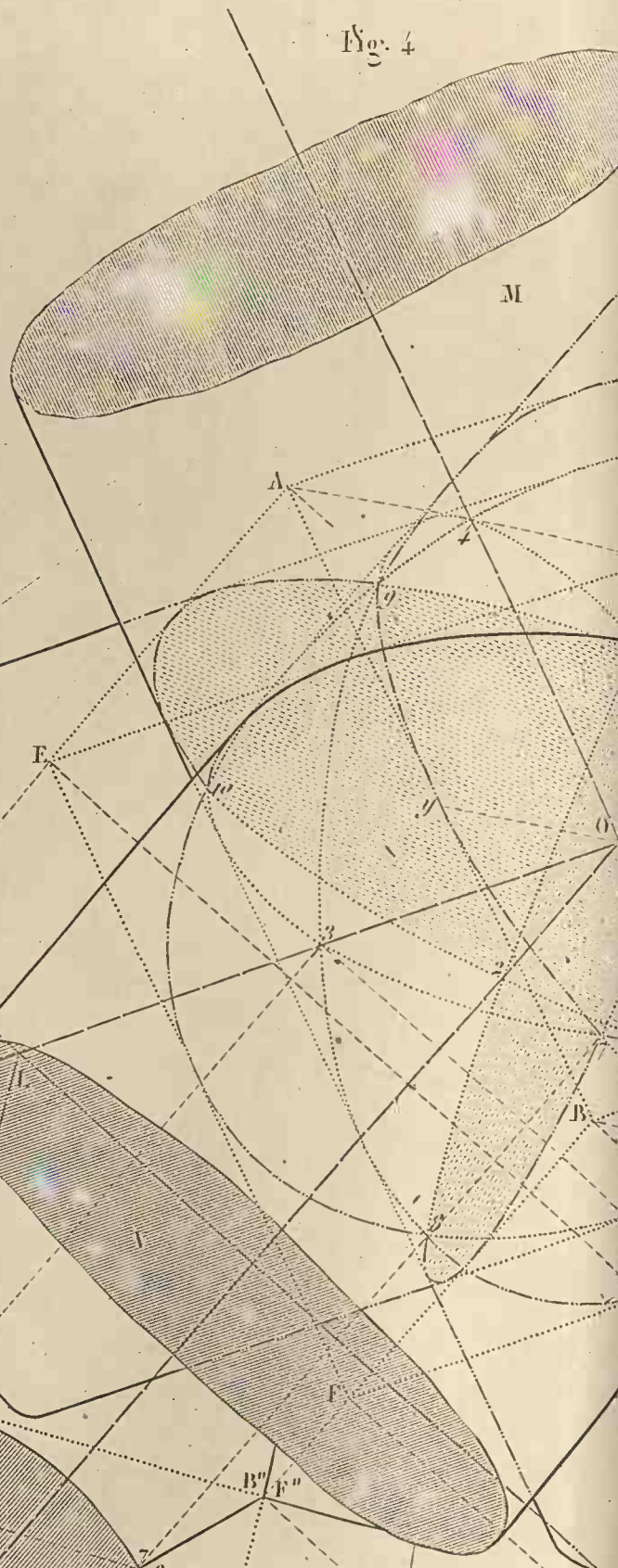
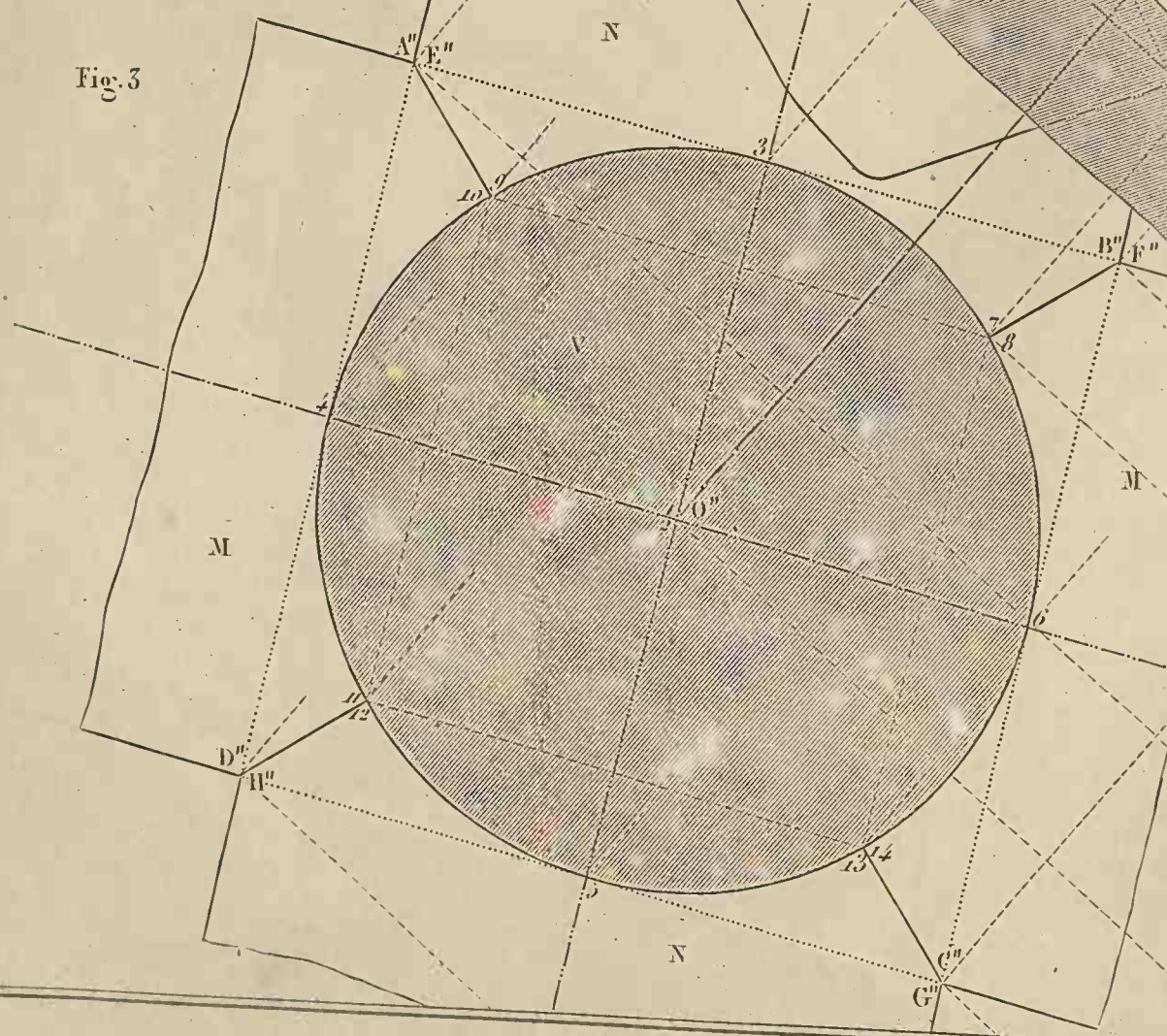
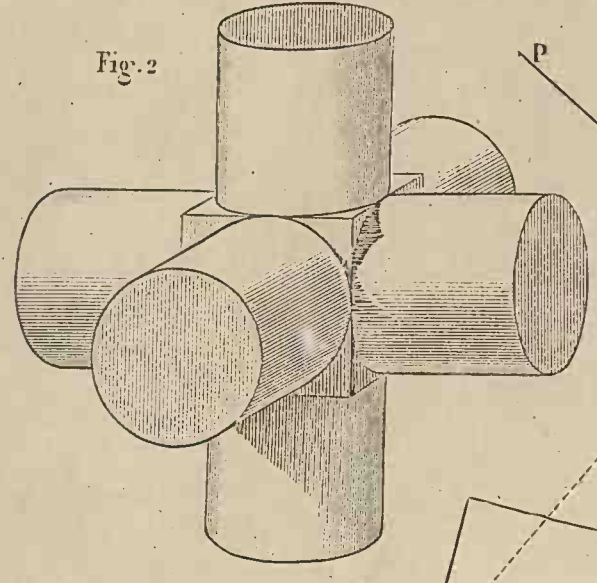
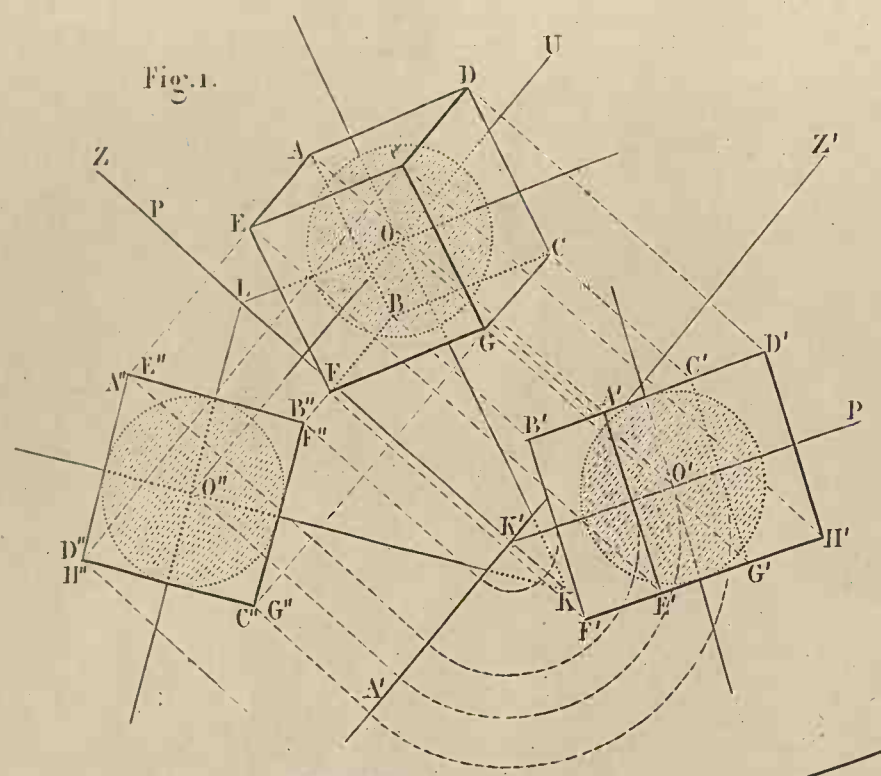


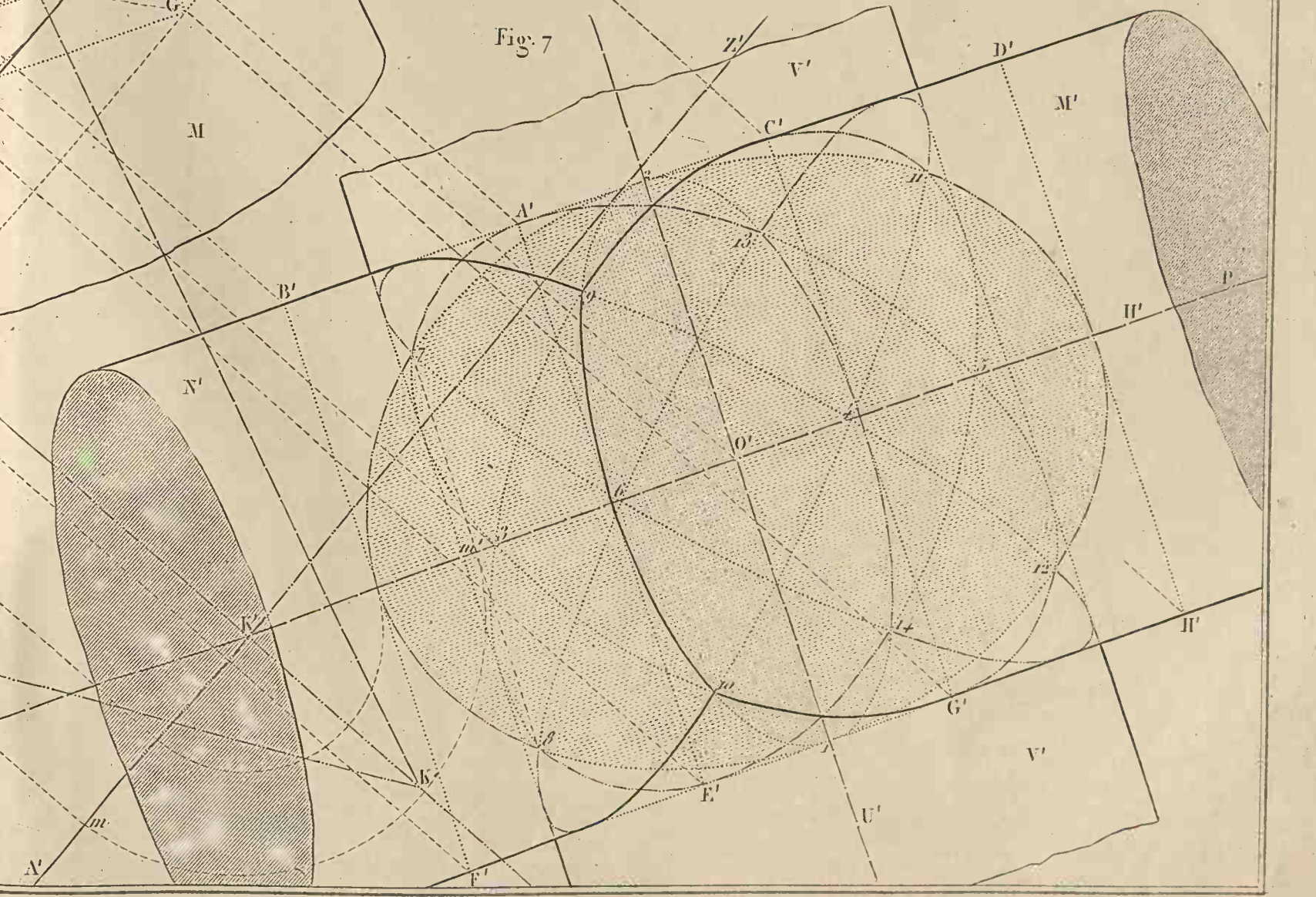
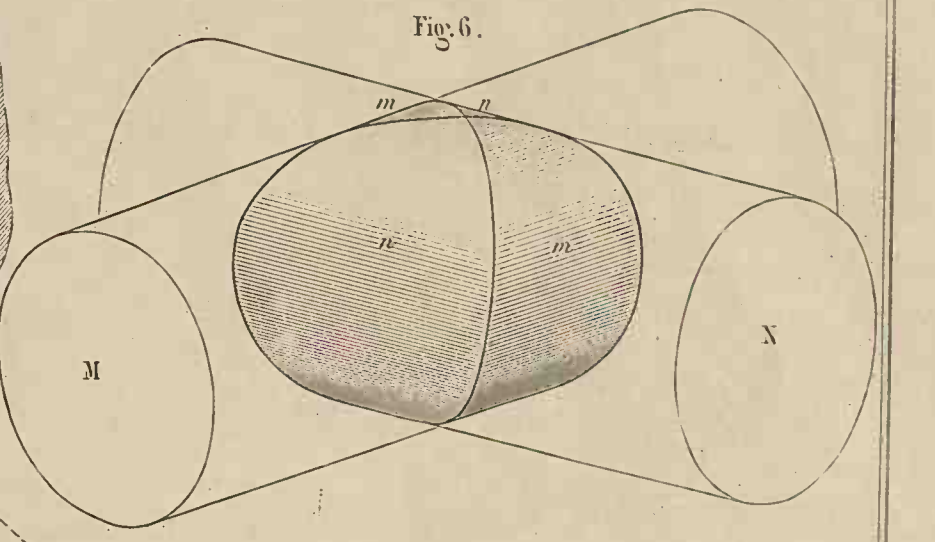
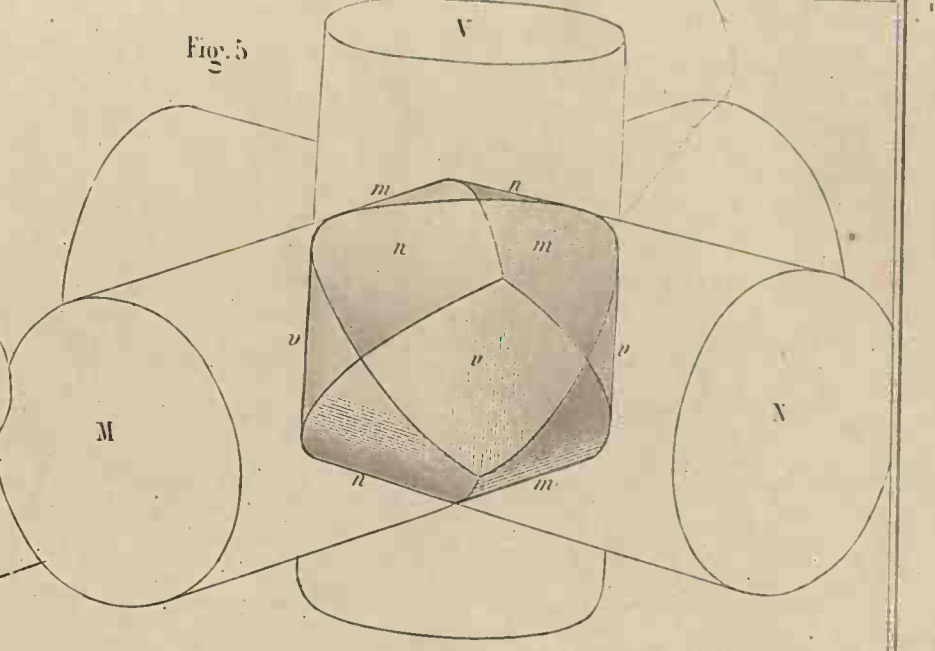
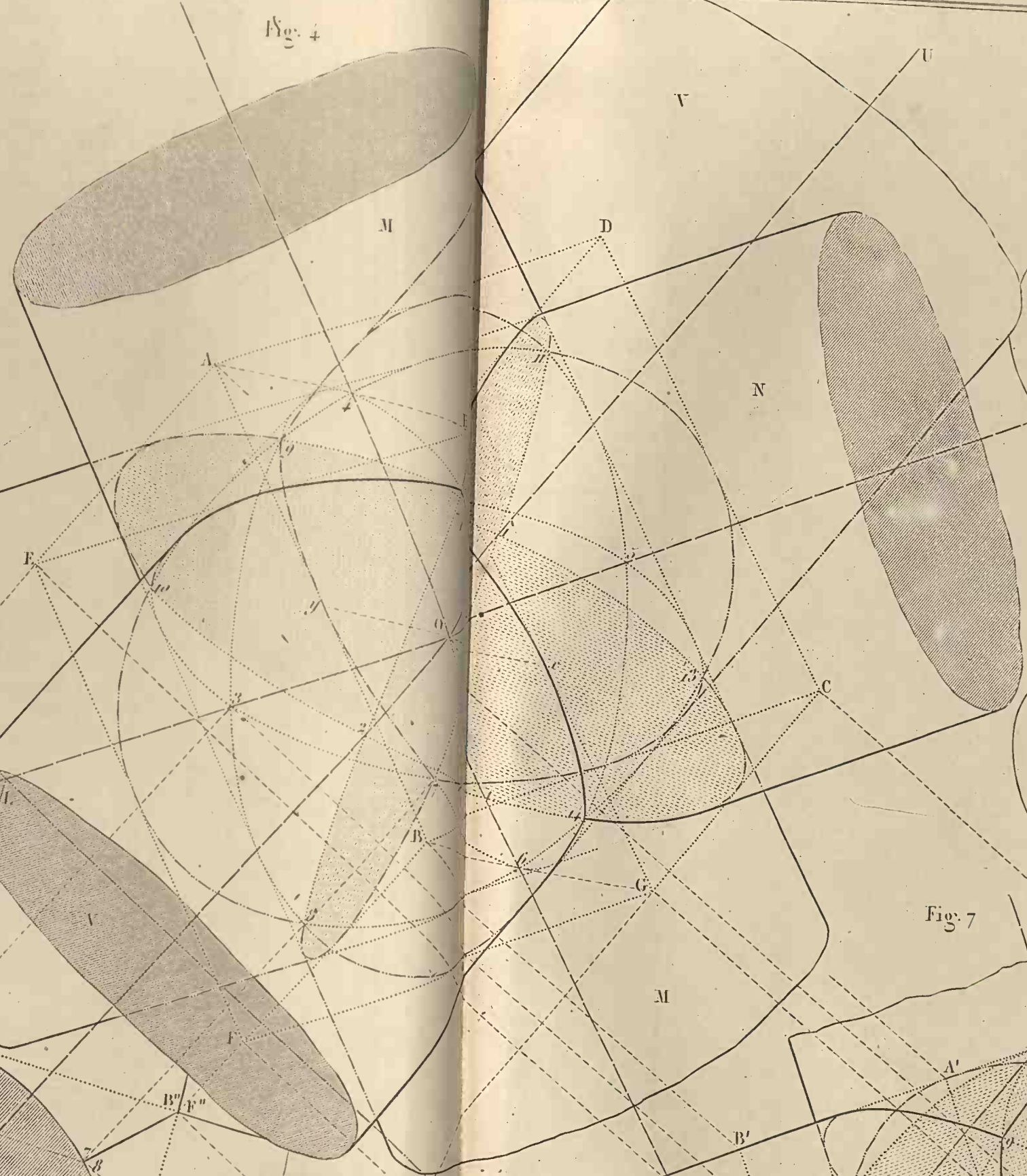
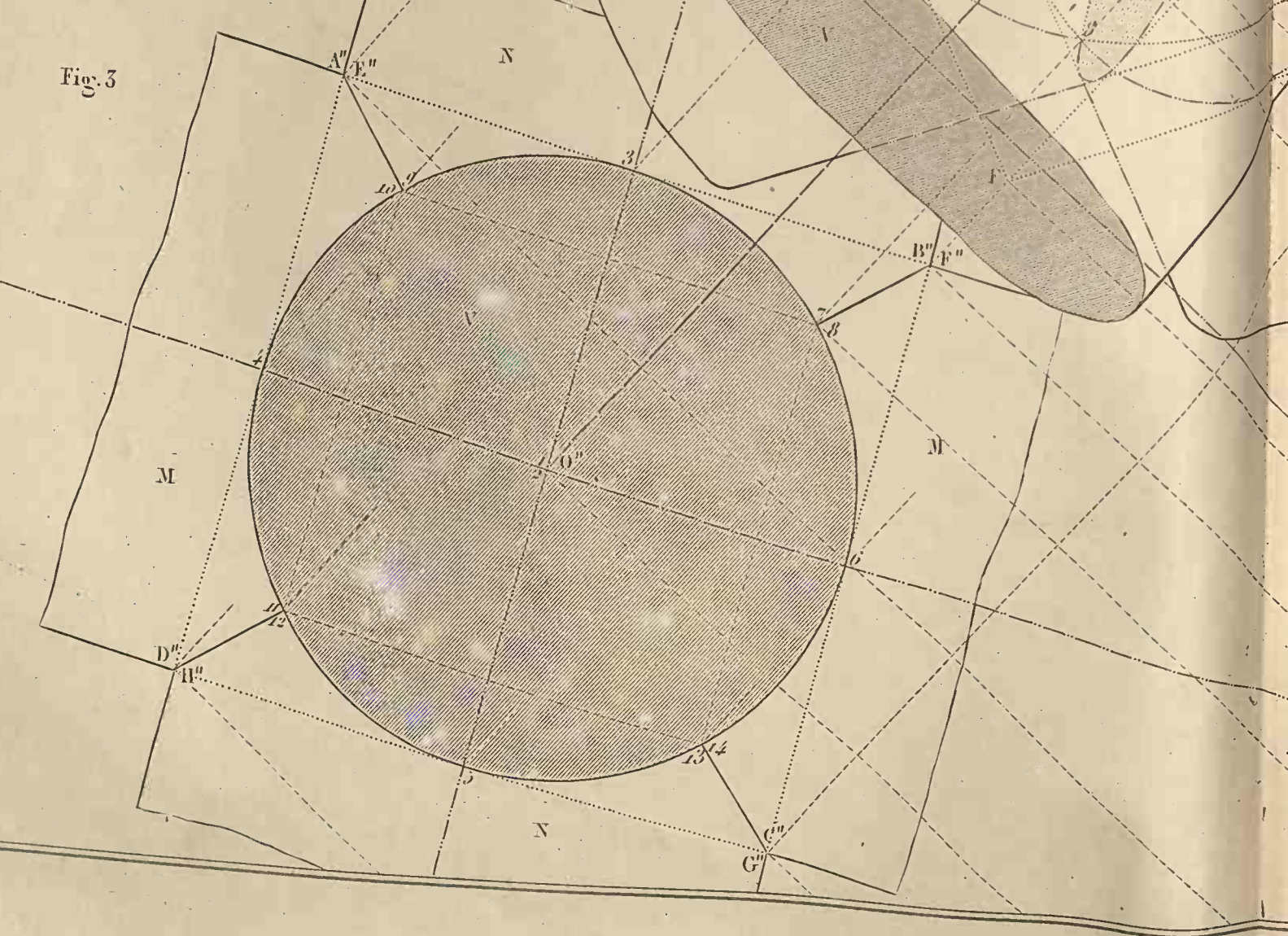
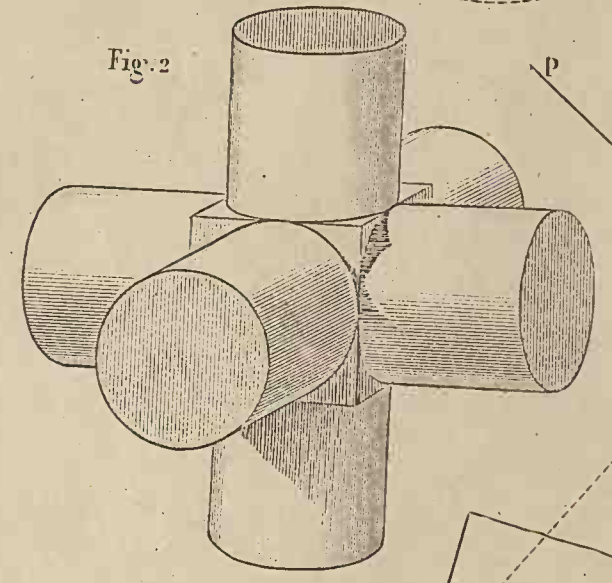
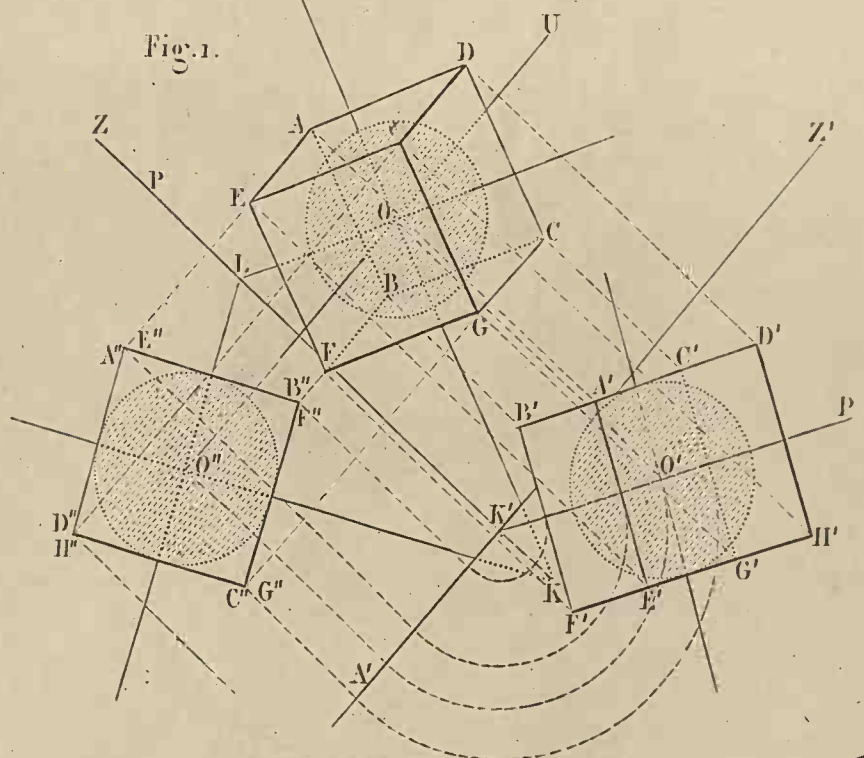
304



302



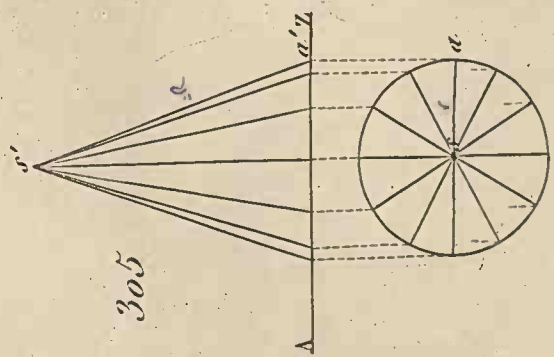




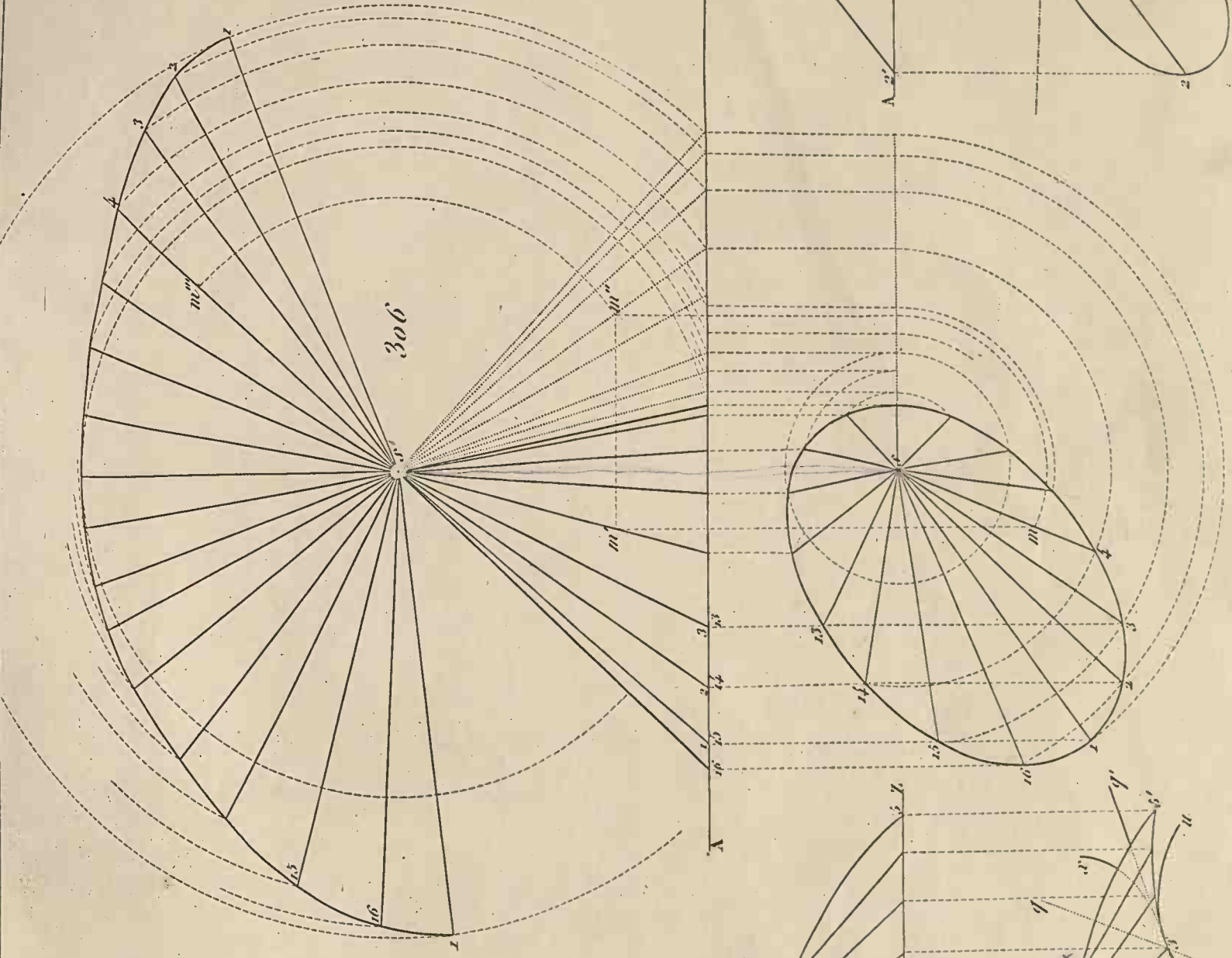
Développement du Cône.

Géométrie descriptive.

Pl. 60.

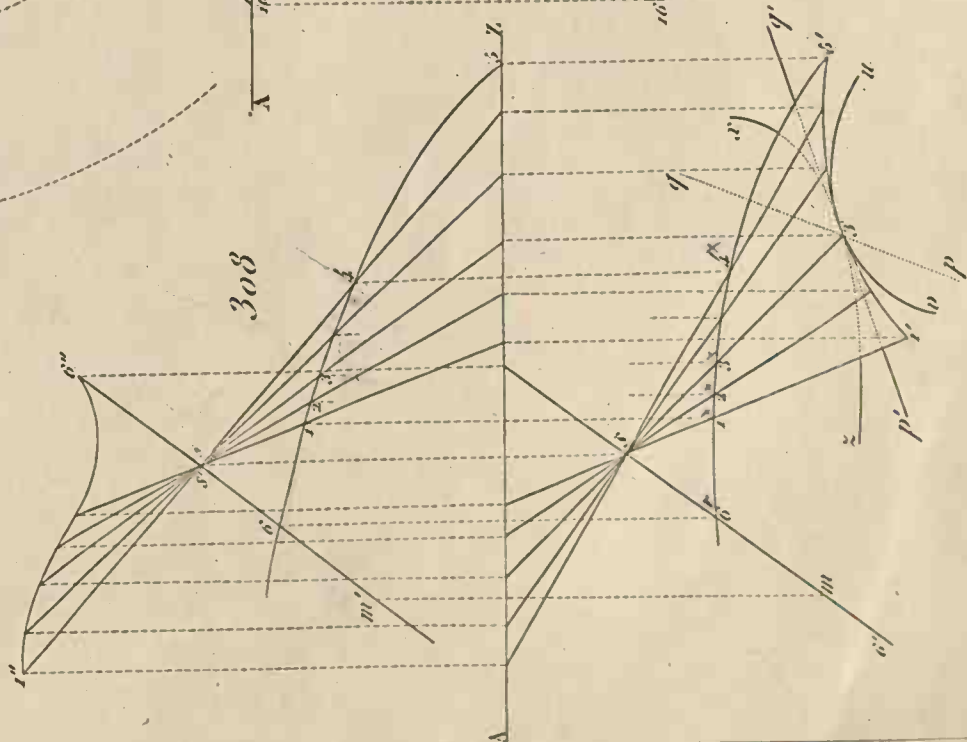
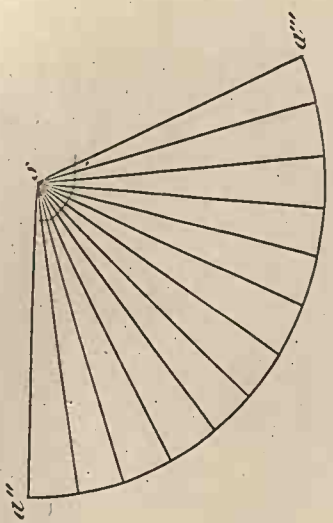


305

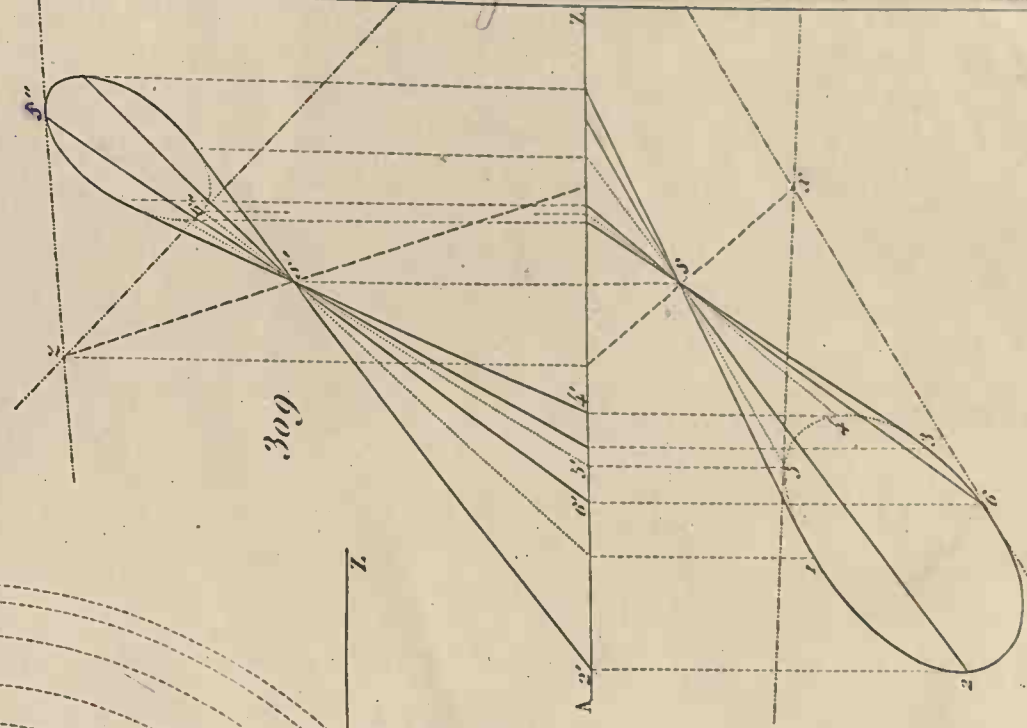


306

307



308

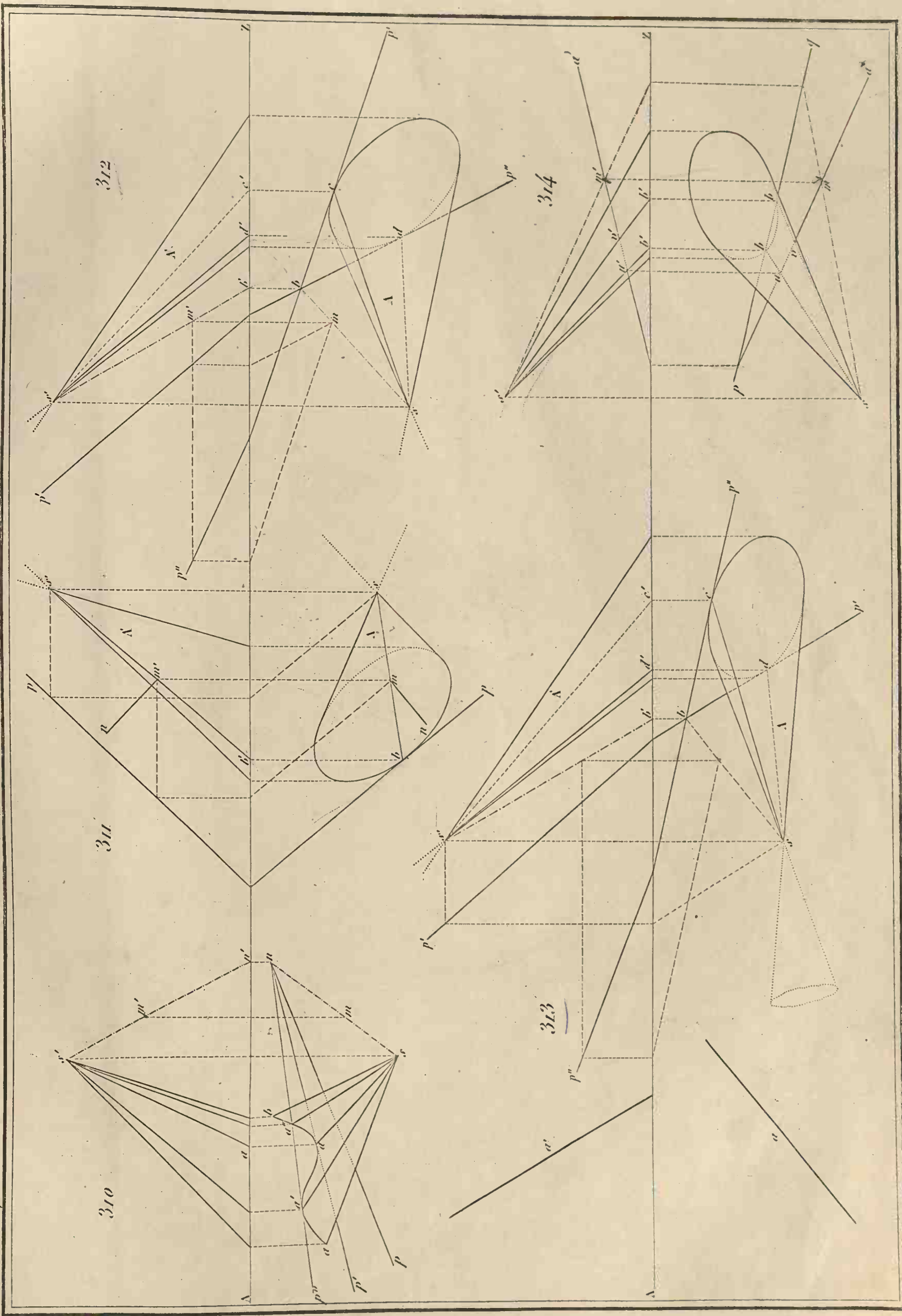


309

Plans passant par le sommet du Cône.

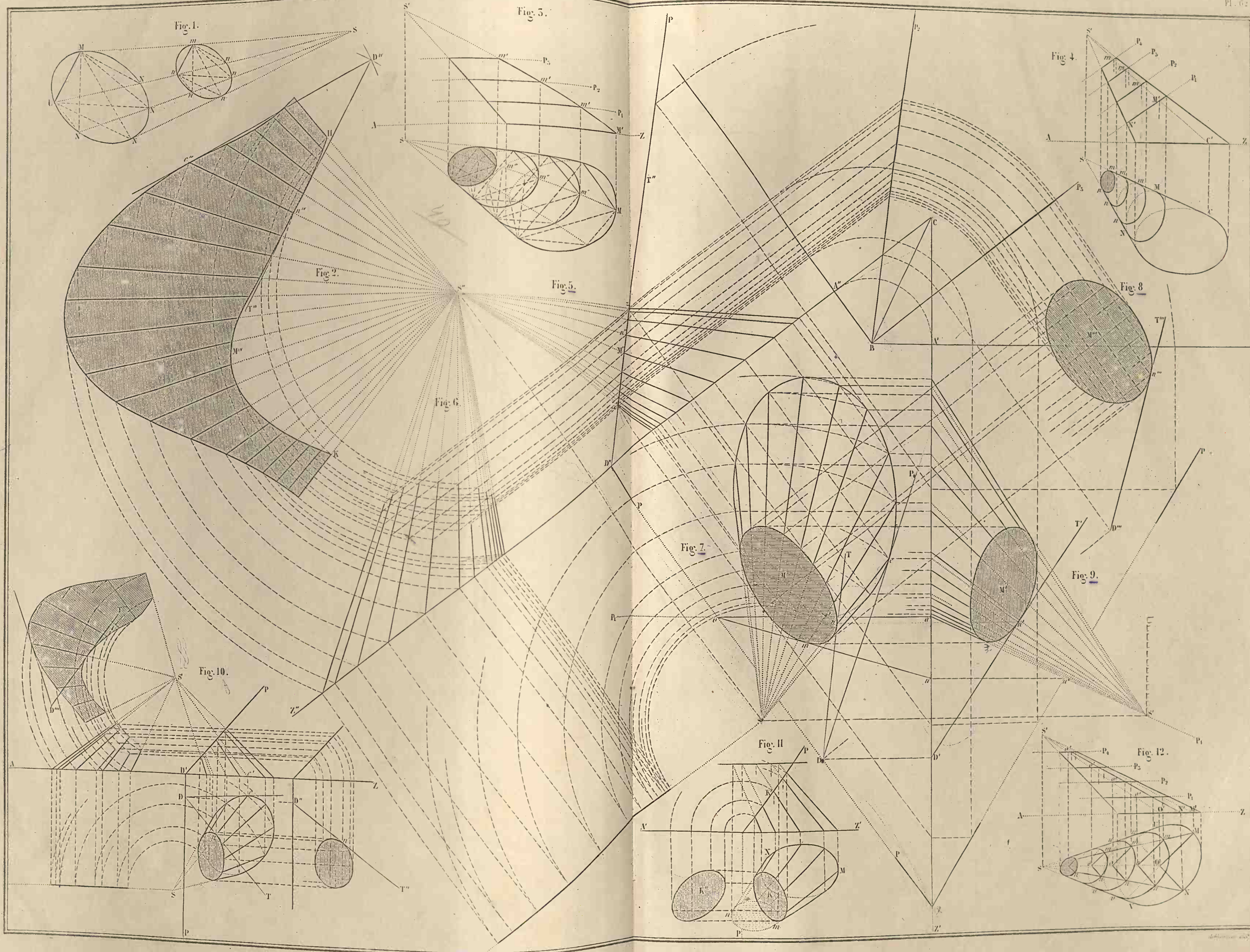
Géométrie descriptive.

Pl. 61.

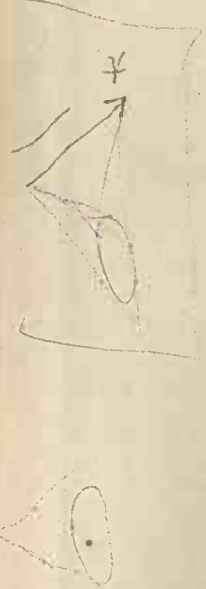
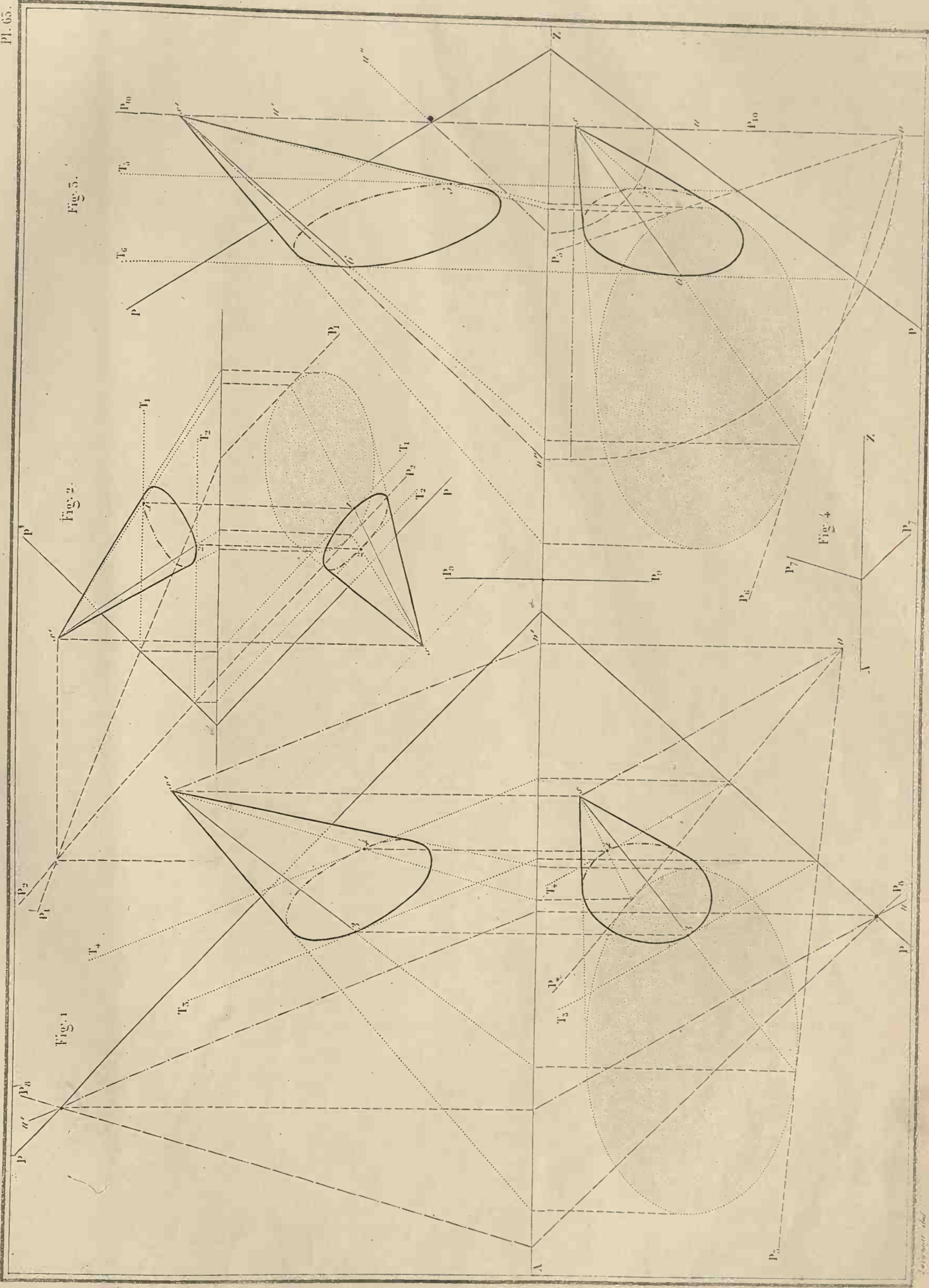


Sections planes des surfaces coniques.

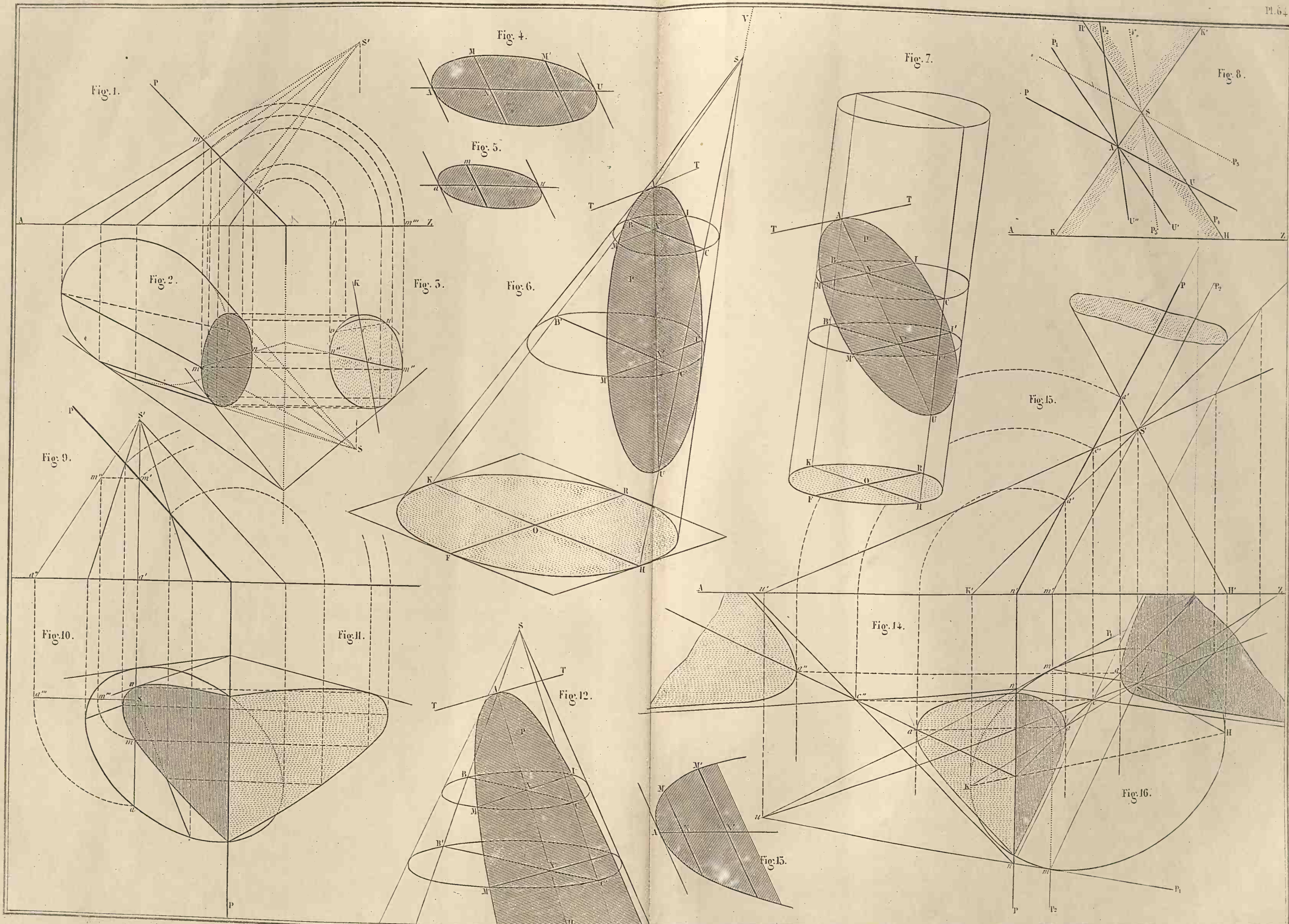
Geométrie descriptive.



TANGENTES AUX COURBES DE SECTIONS



Sections planes du cône elliptique



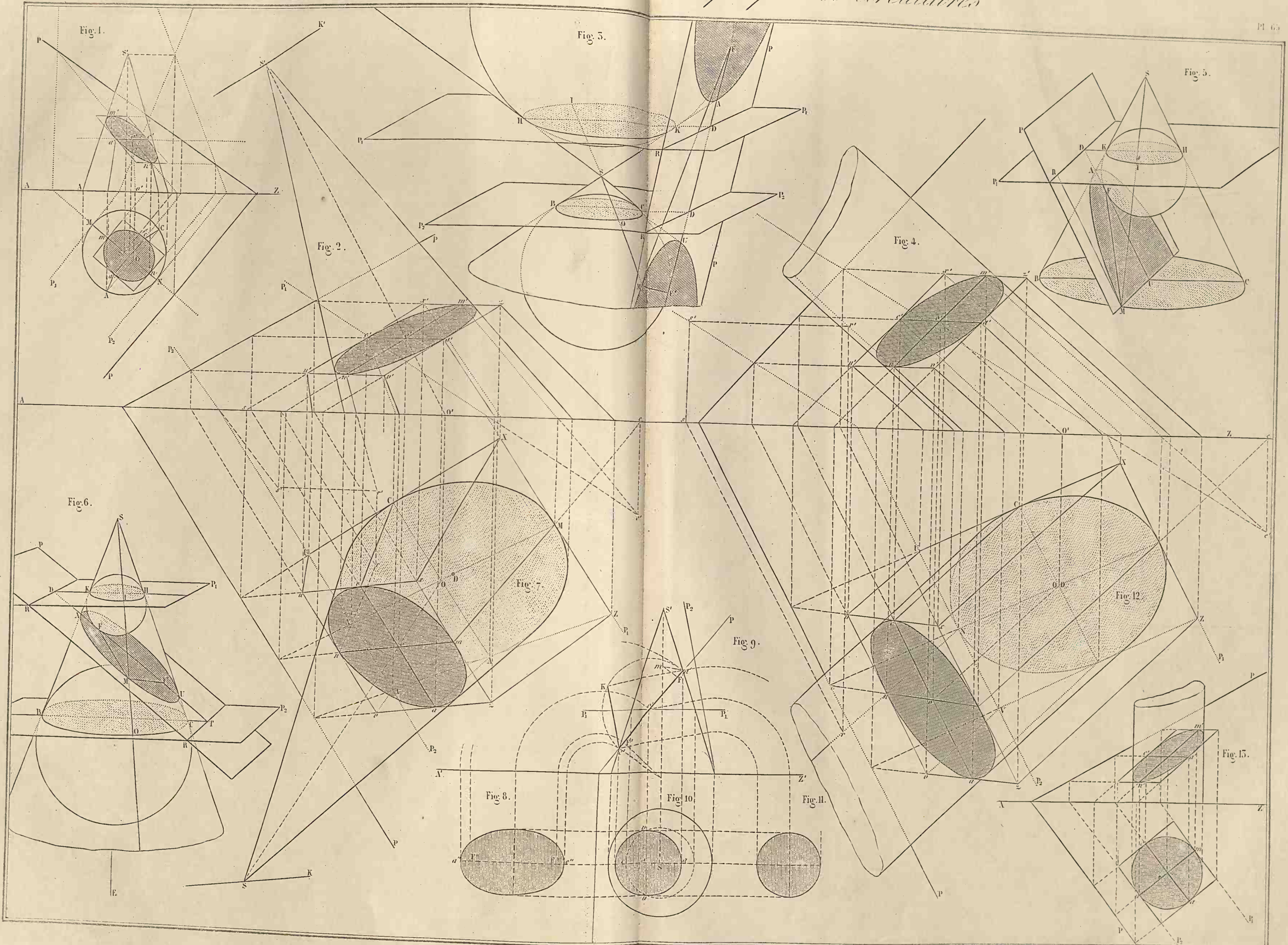


Fig. 1.

Fig. 3.

Fig. 5.

Fig. 2.

Fig. 4.

Fig. 6.

Fig. 7.

Fig. 12.

Fig. 8.

Fig. 10.

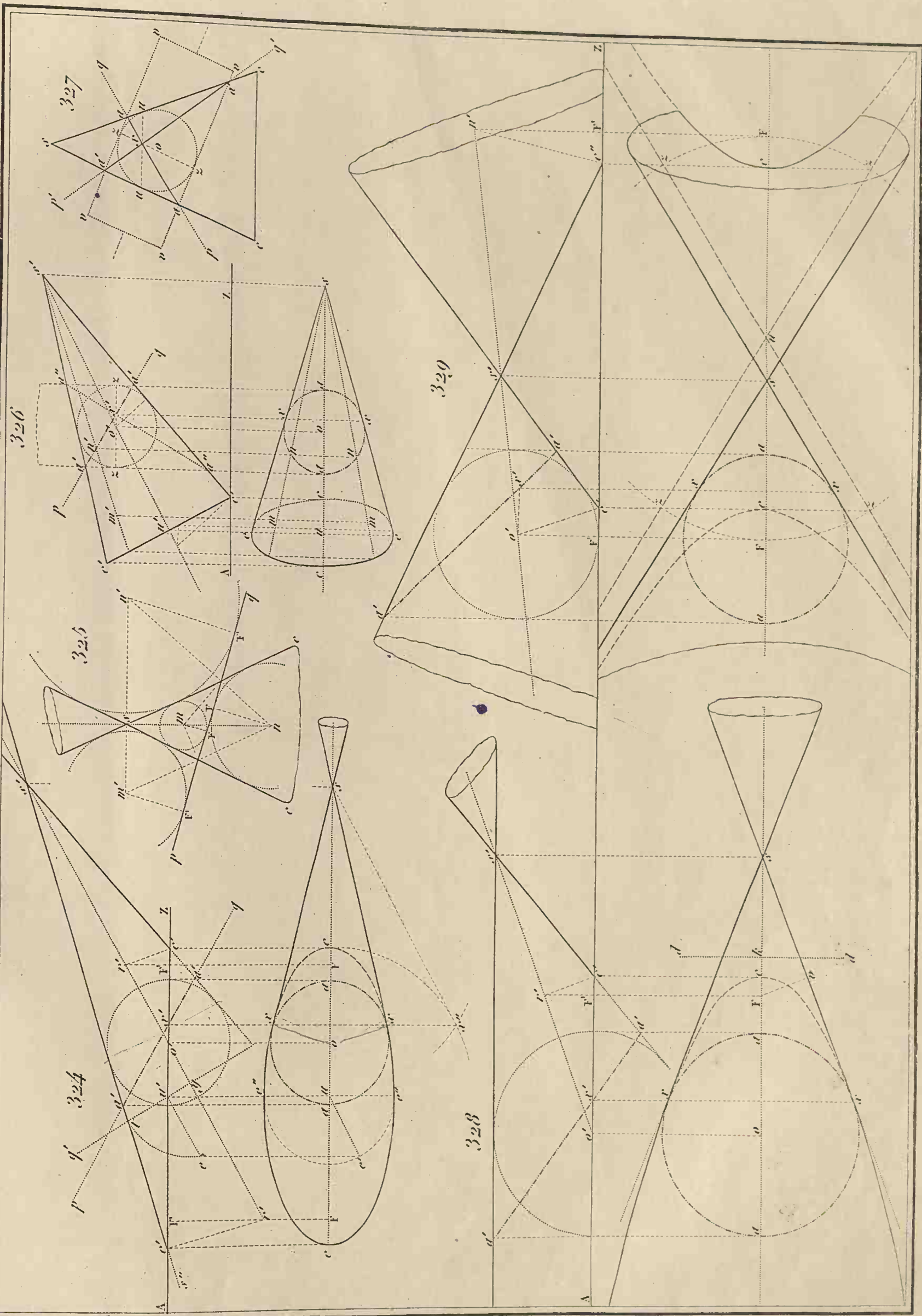
Fig. 11.

Fig. 15.

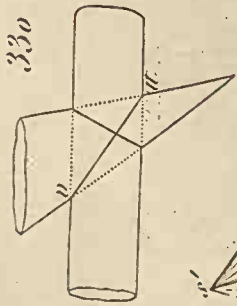
Cône circulaire.

Géométrie descriptive.

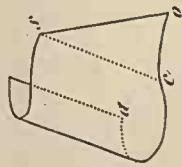
Pl. 66.



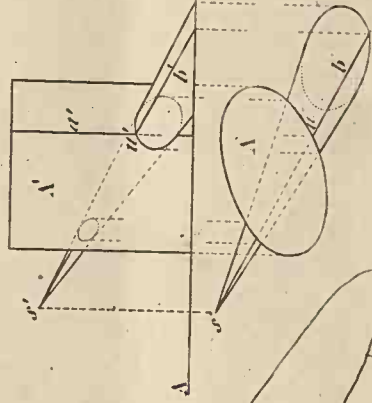
Intersections de cônes et cylindres.



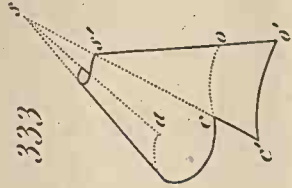
330



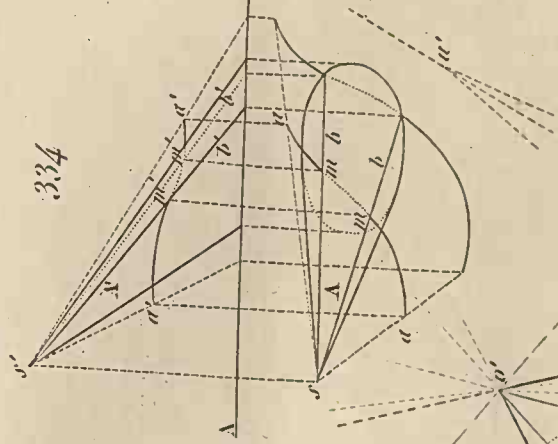
331



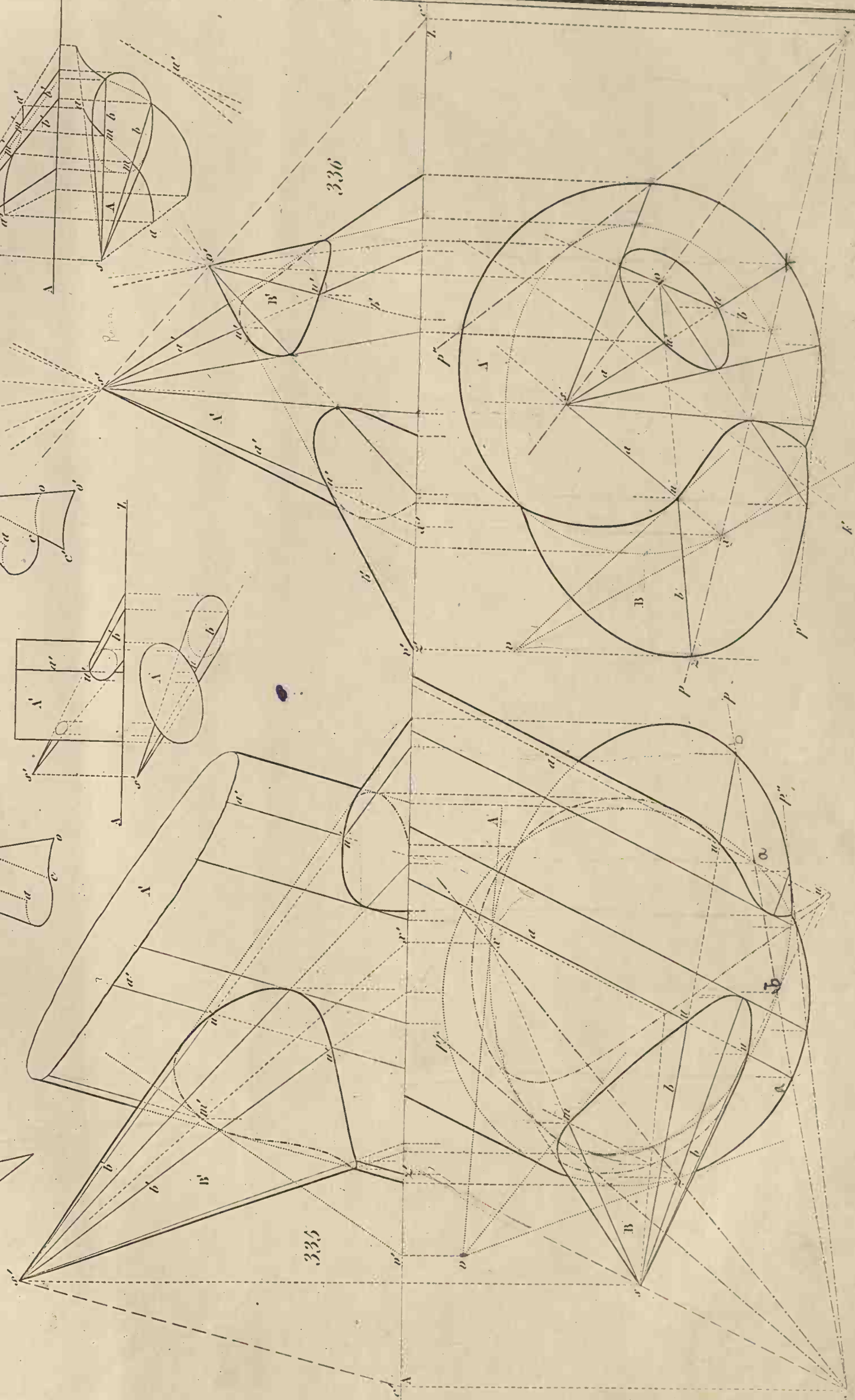
332



333

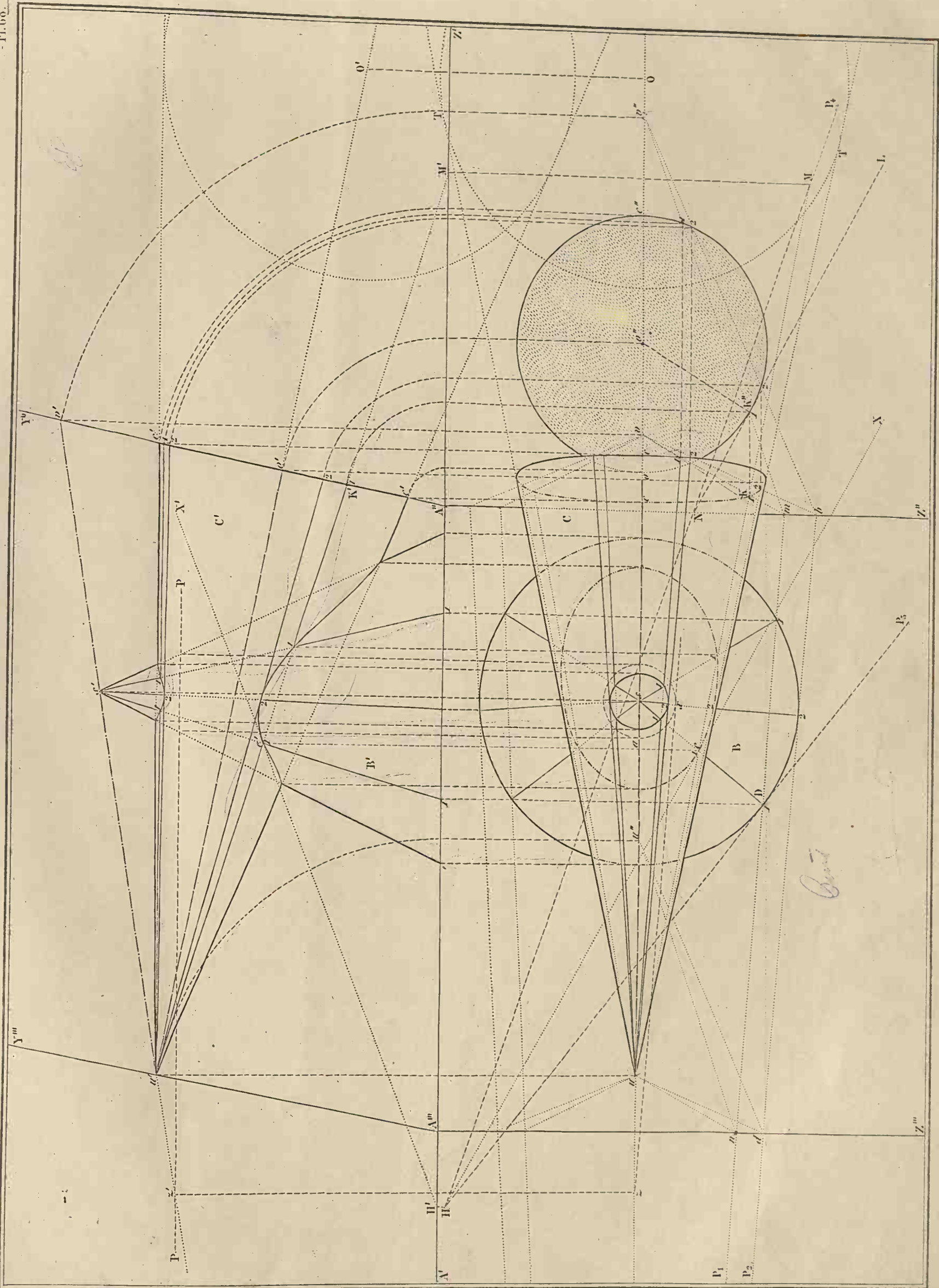


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335

336

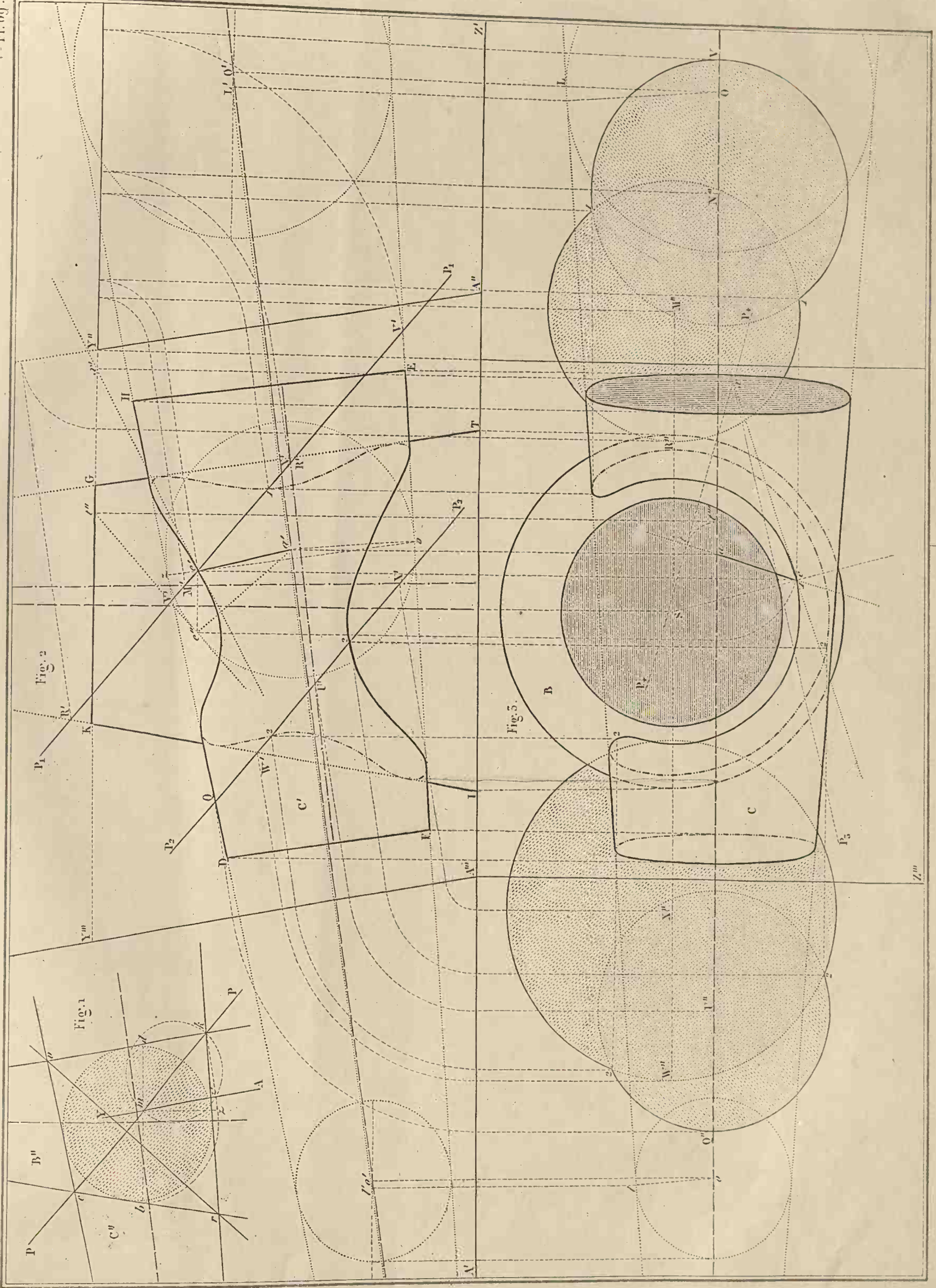


Intersections des

INTERSECTIONS DE CÔNES

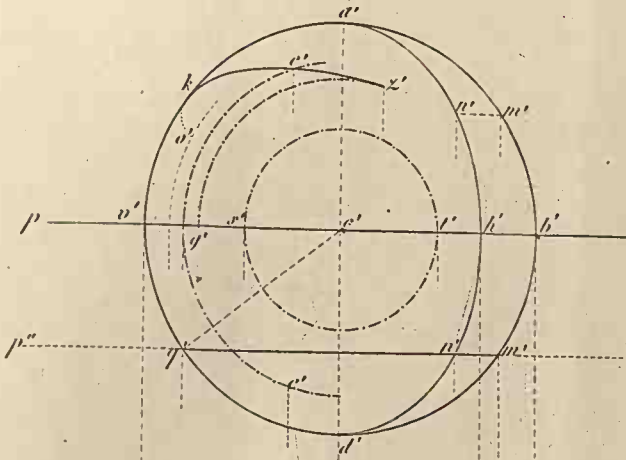
6. descriptive.

Pl. 69.

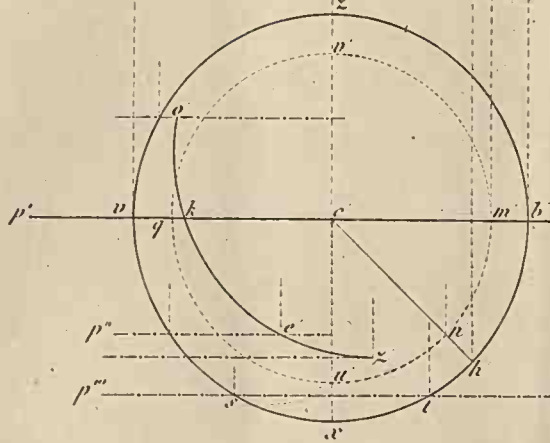
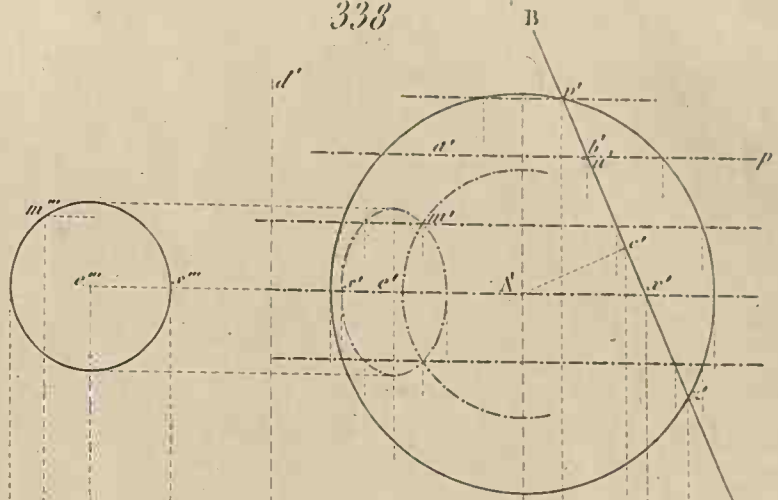


Alhambra 511

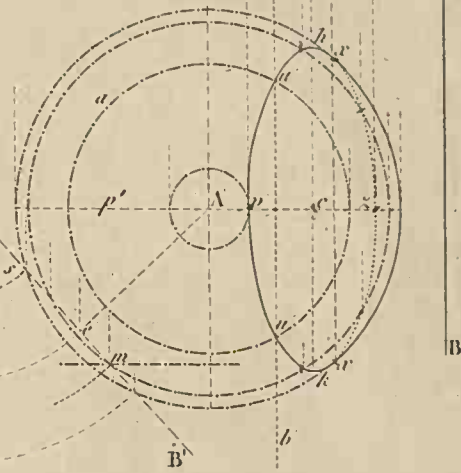
337



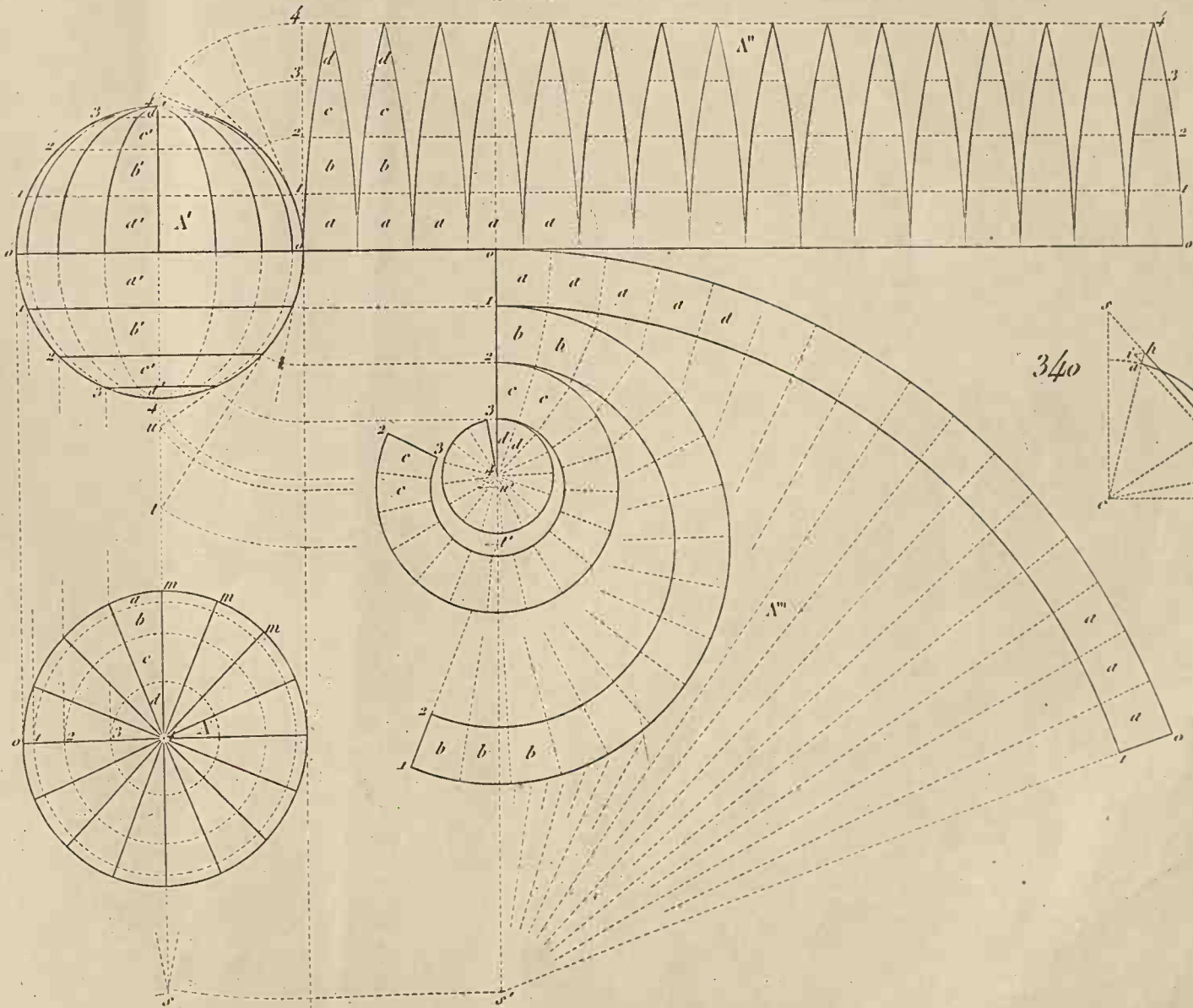
338



B'' m'' c'' a'' d



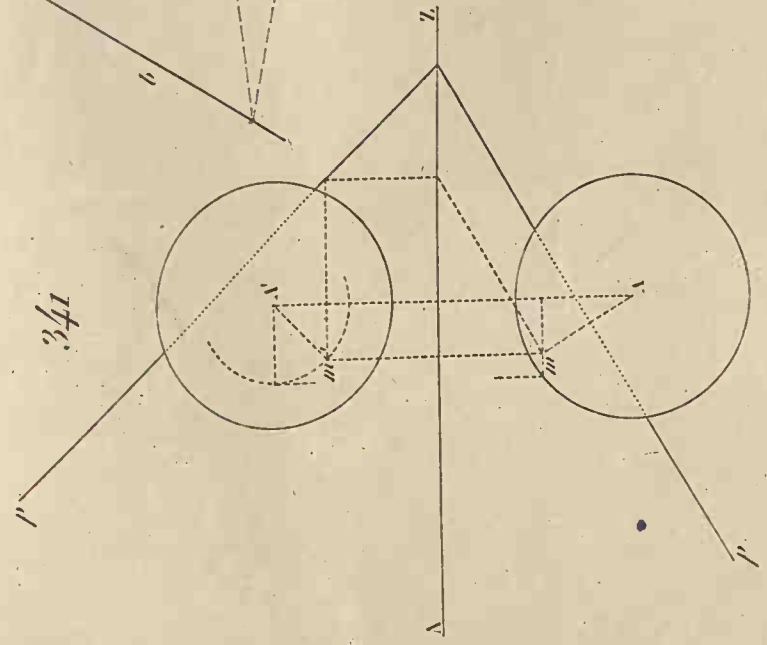
339



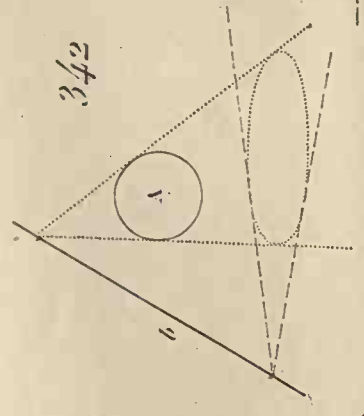
340



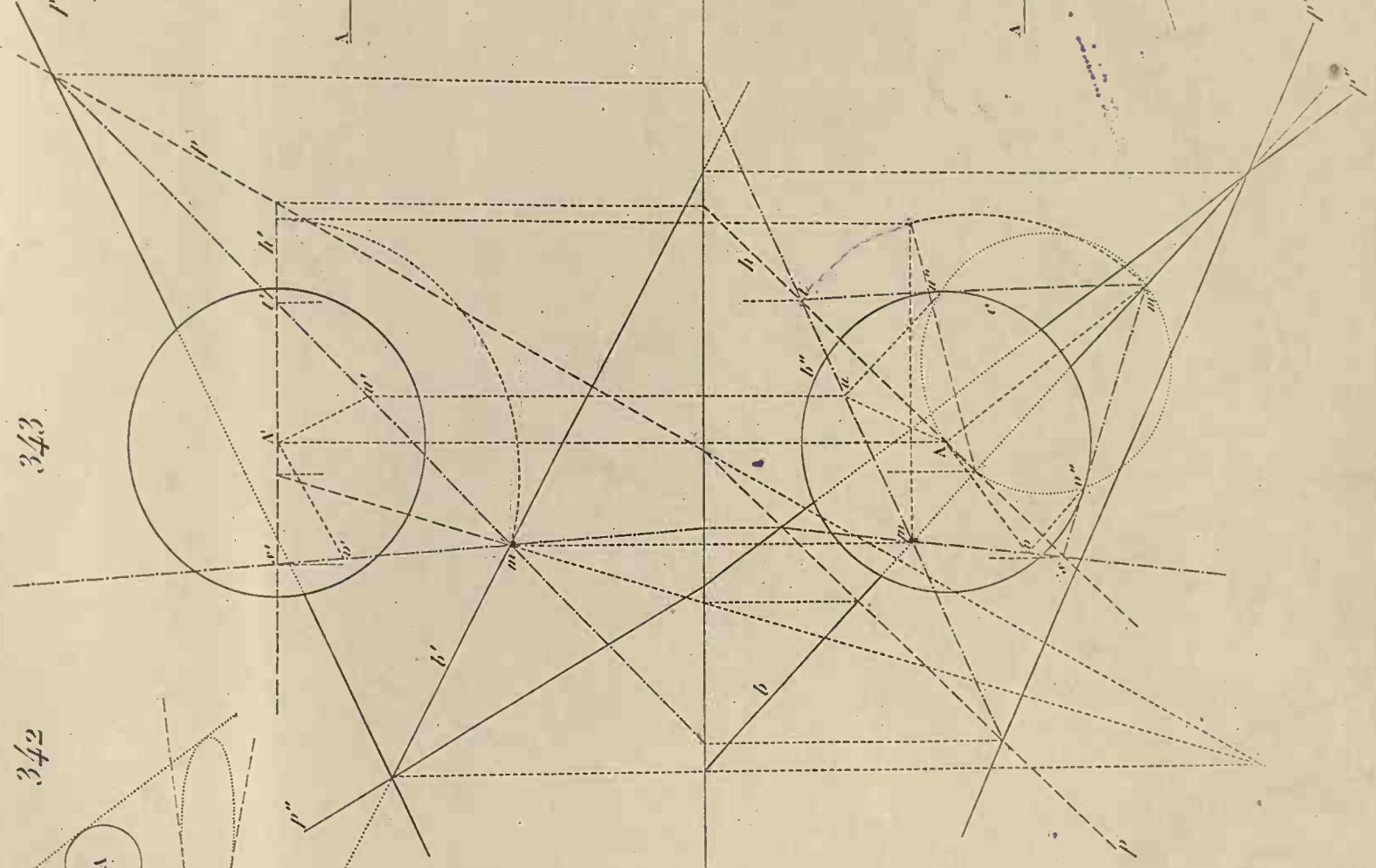
341



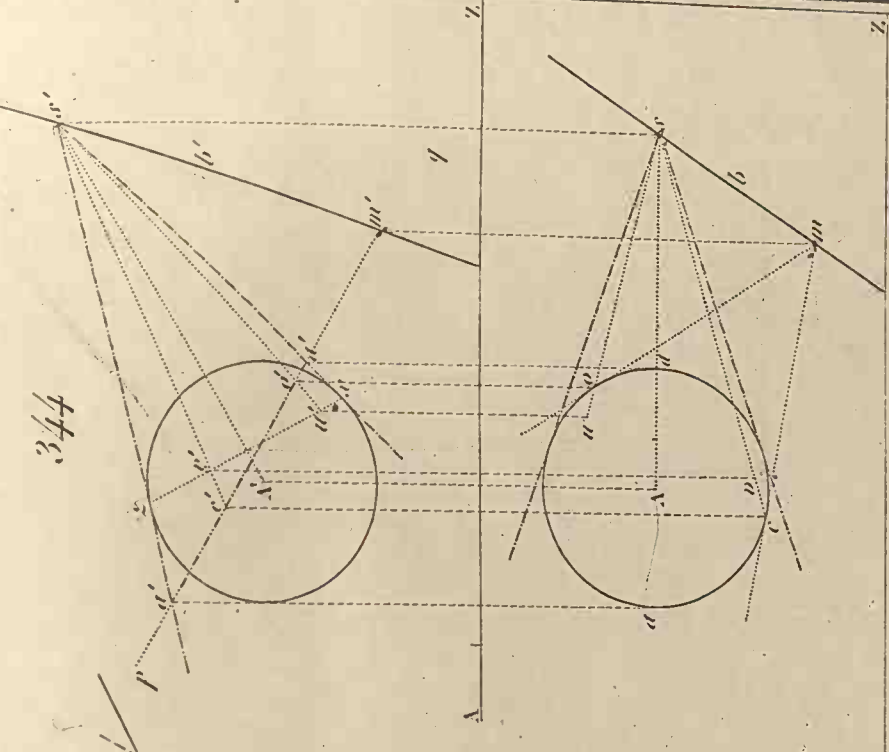
342



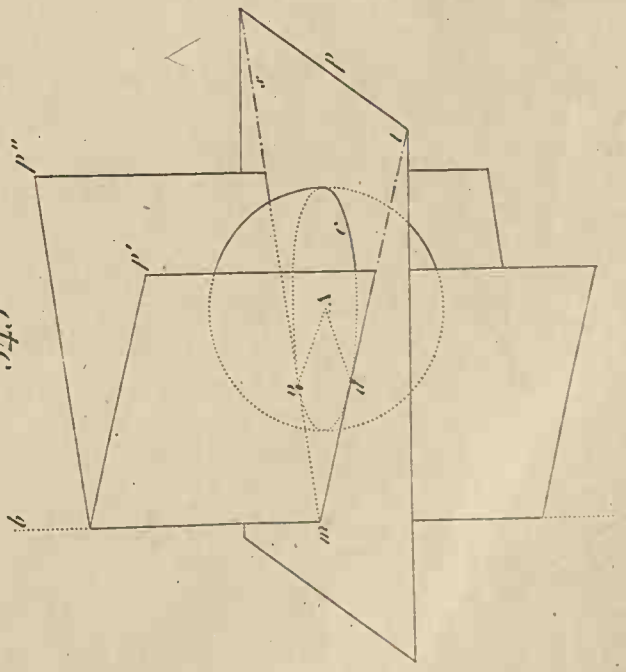
343



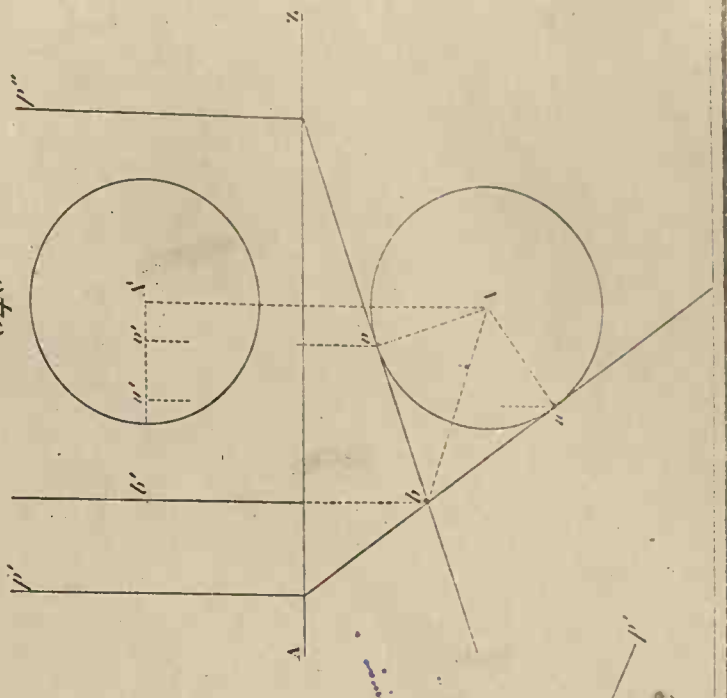
344



345

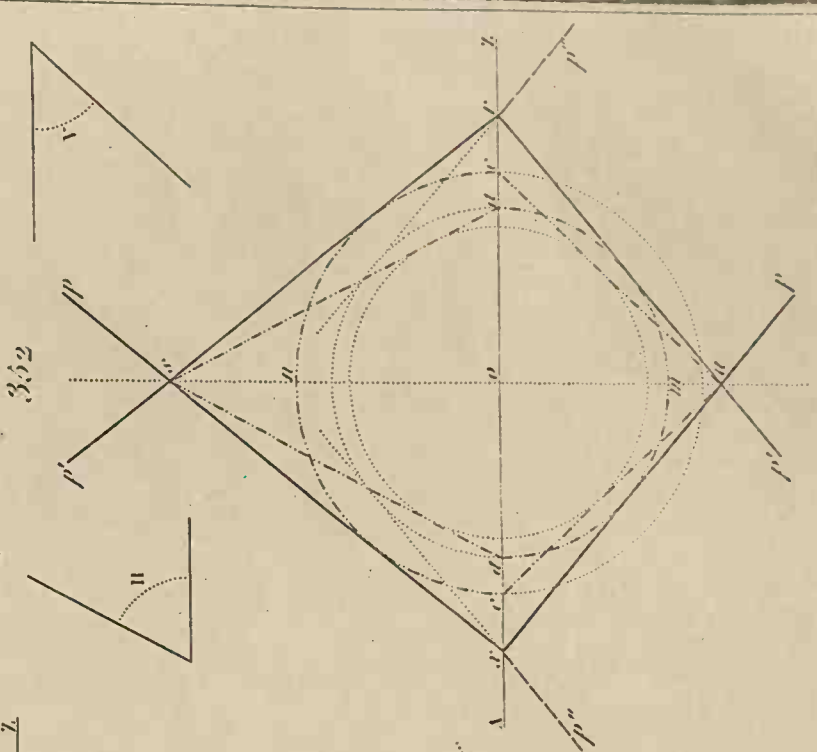
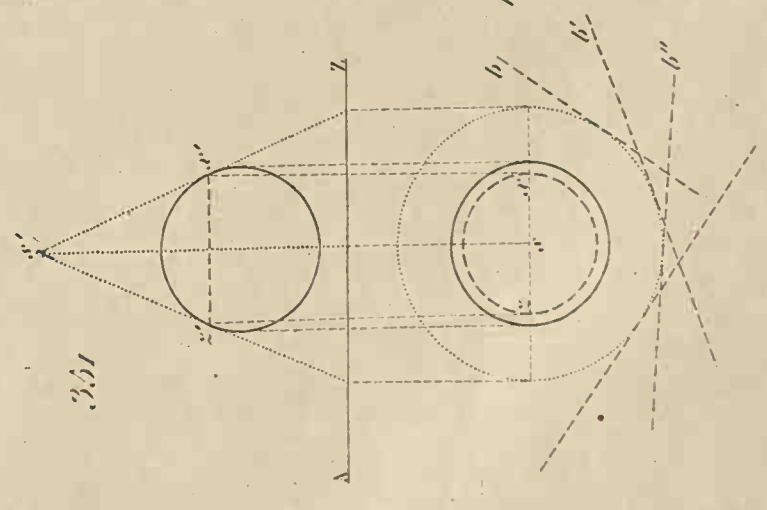
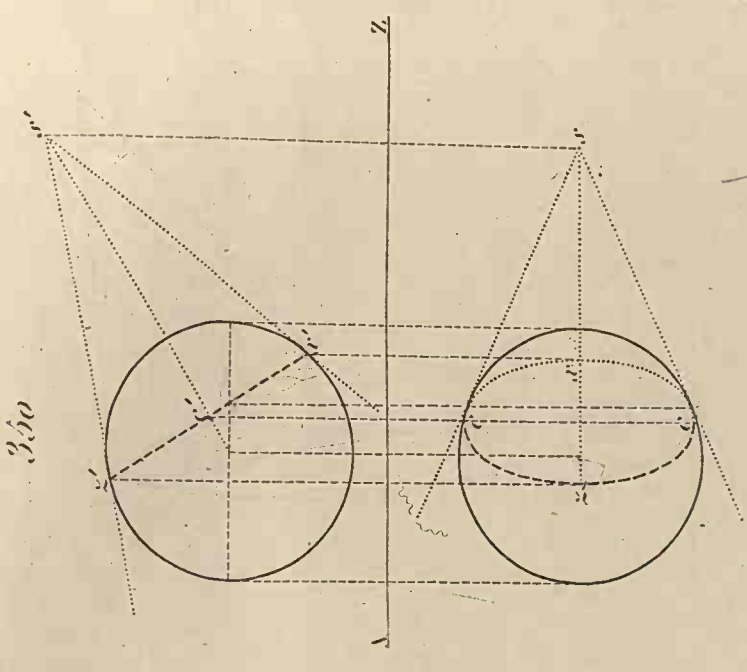
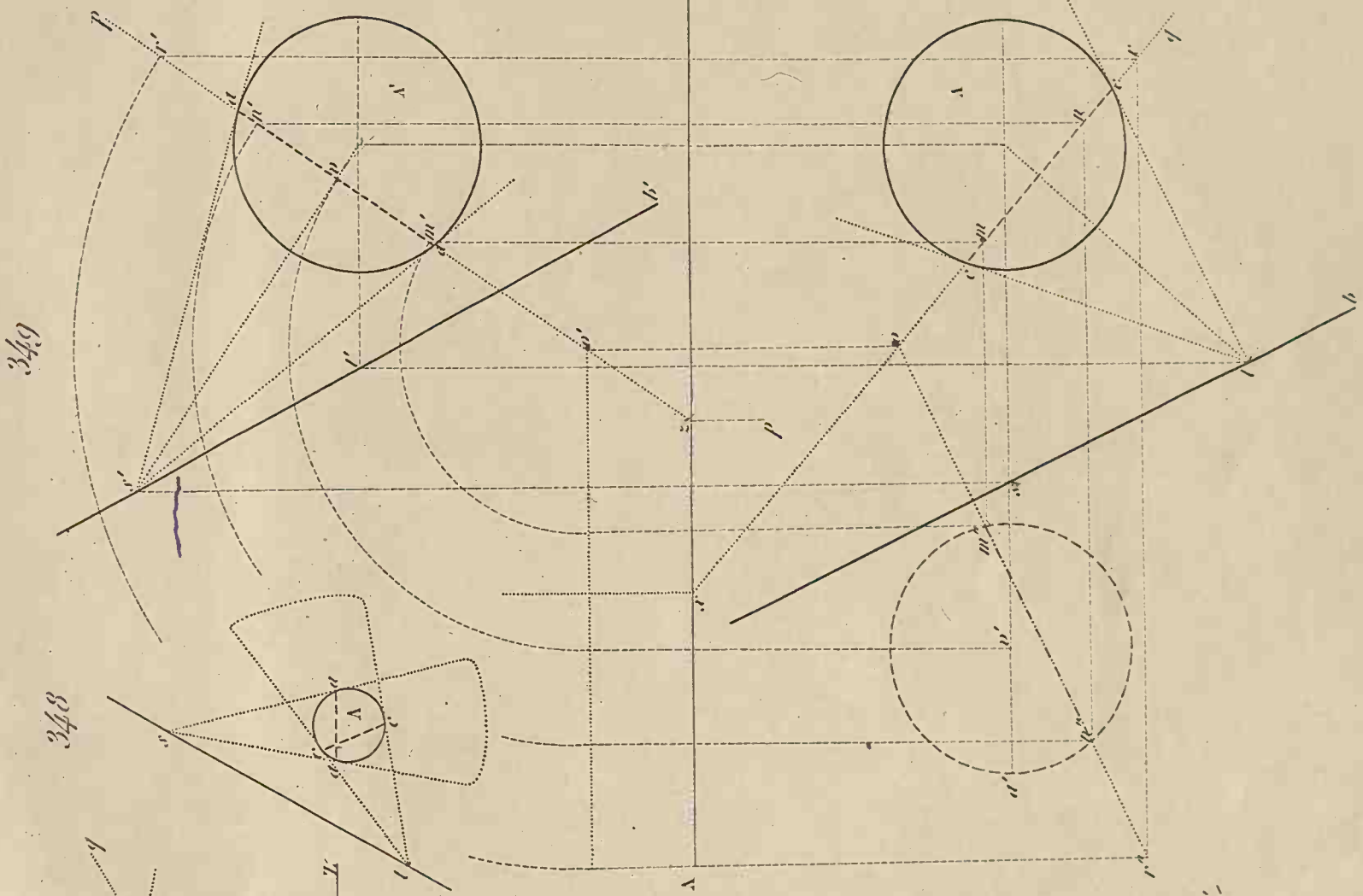
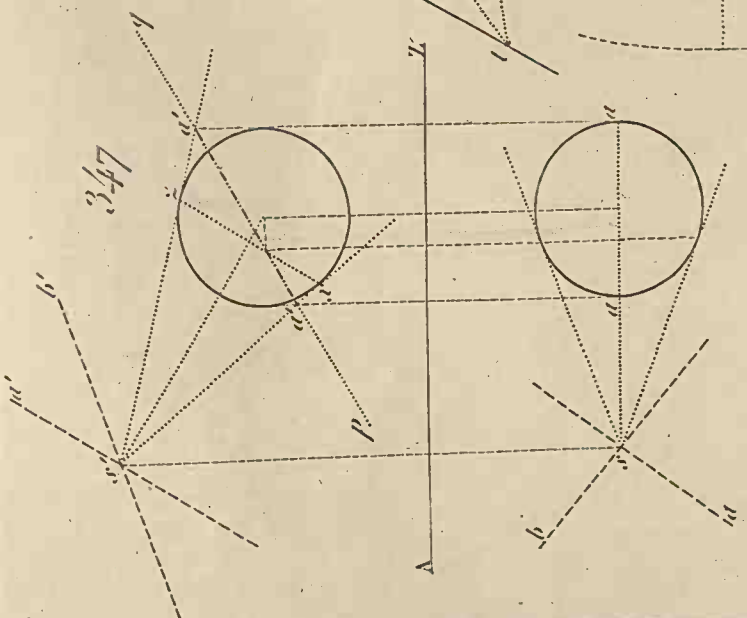


346

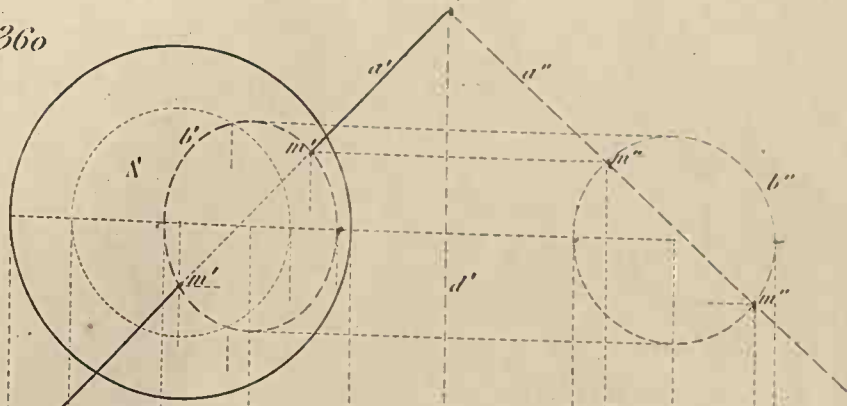


Plan tangent à la Sphere.

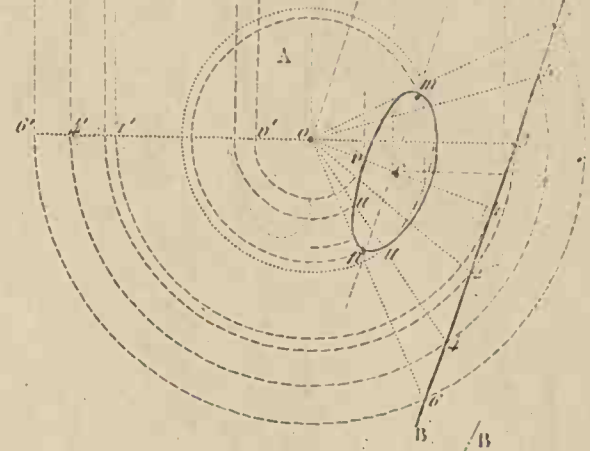
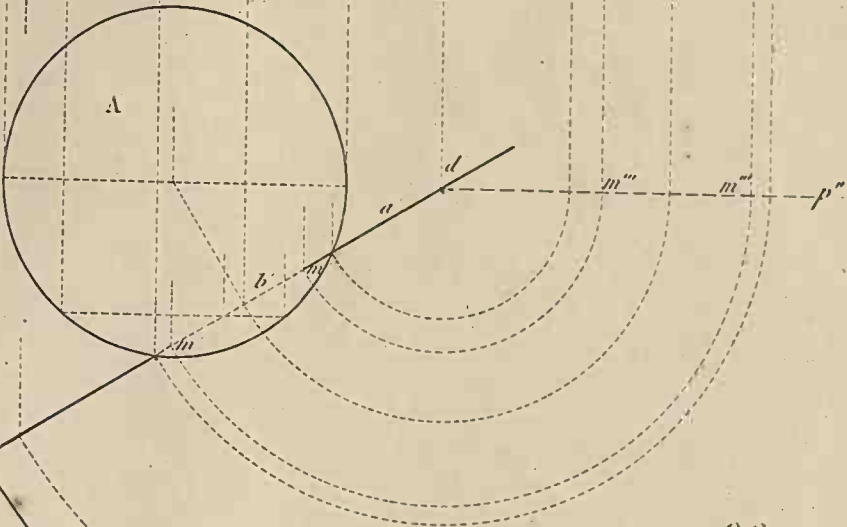
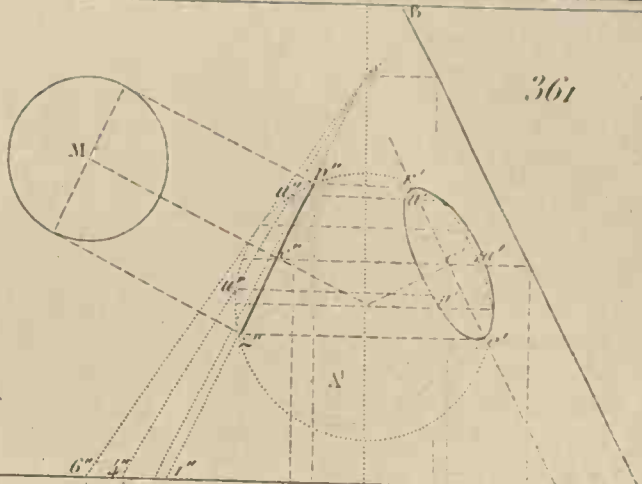
Geometrie descriptive.



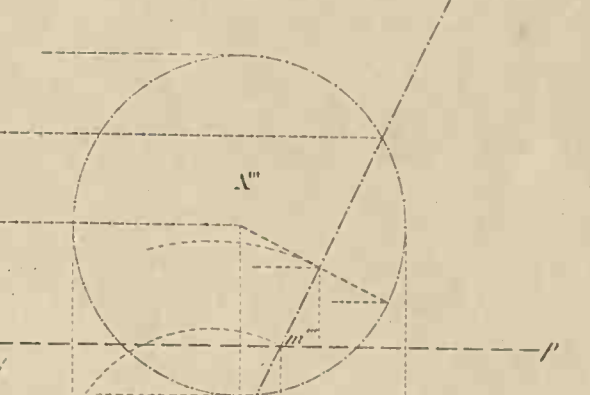
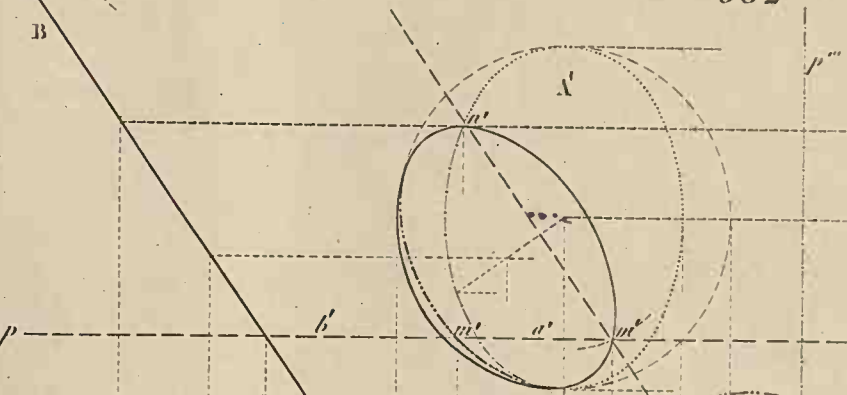
360



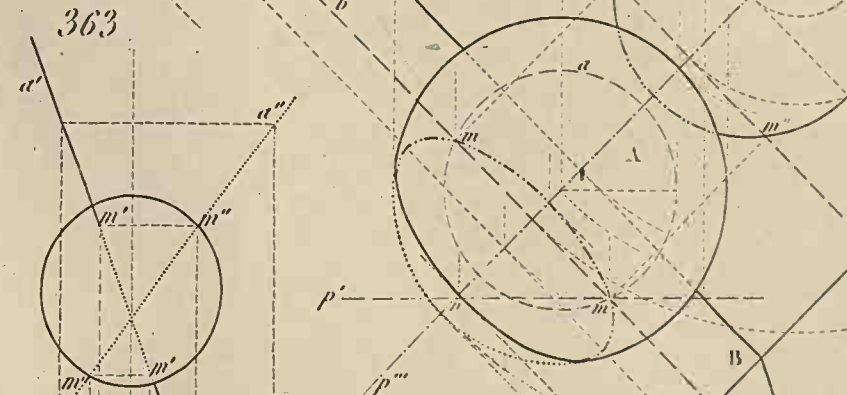
361



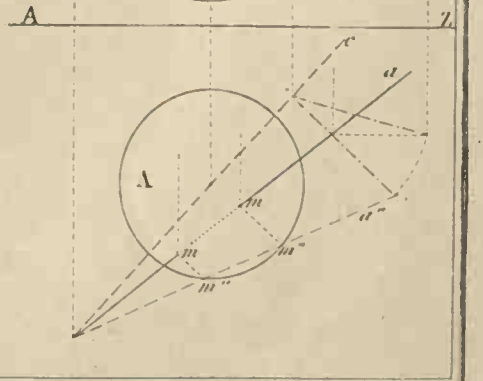
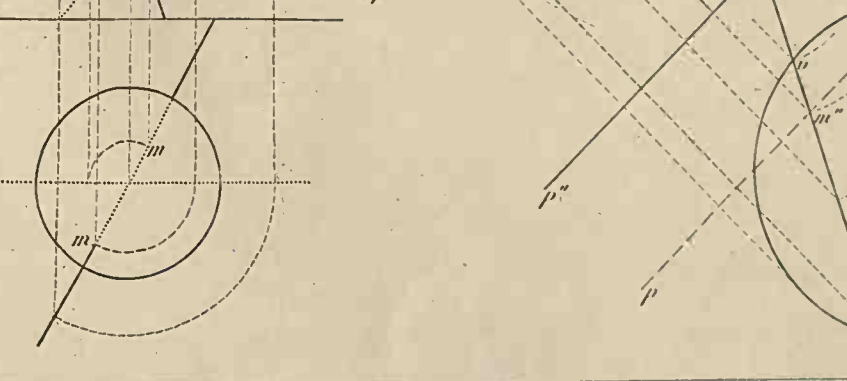
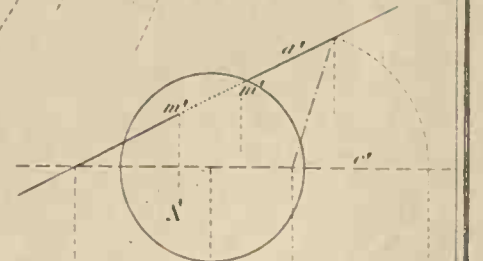
362



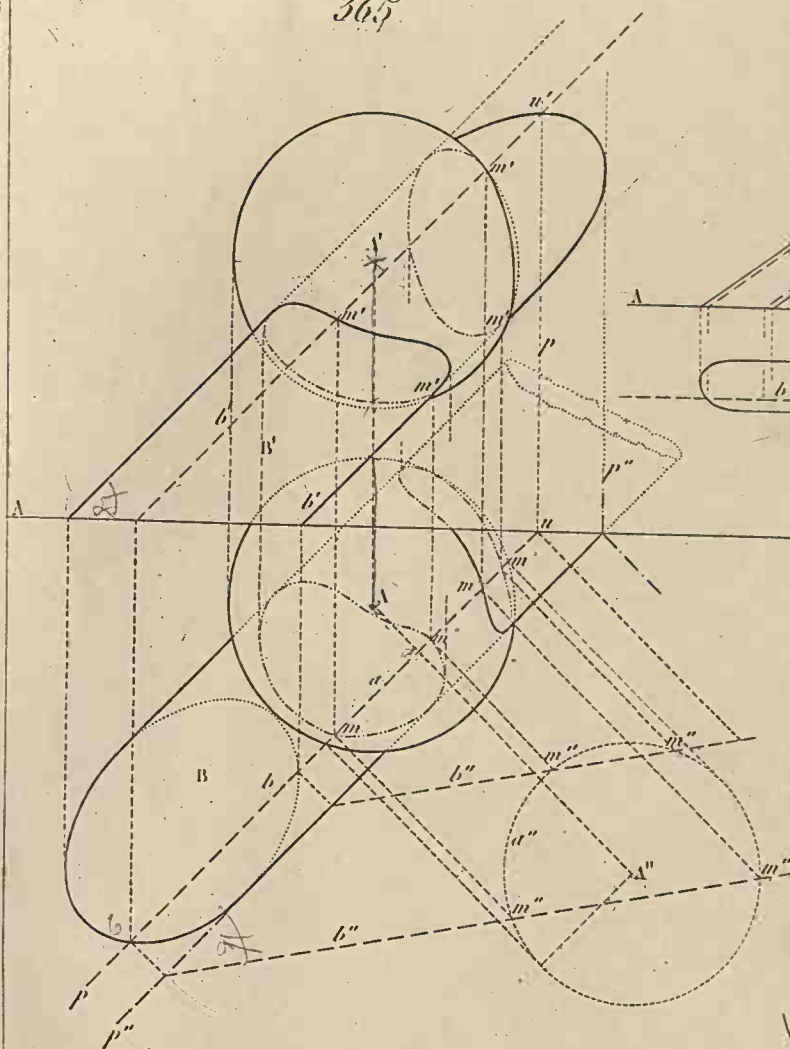
363



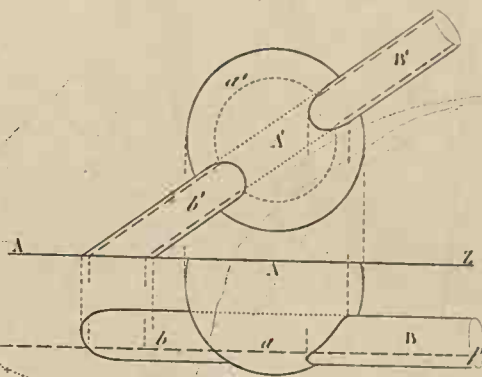
364



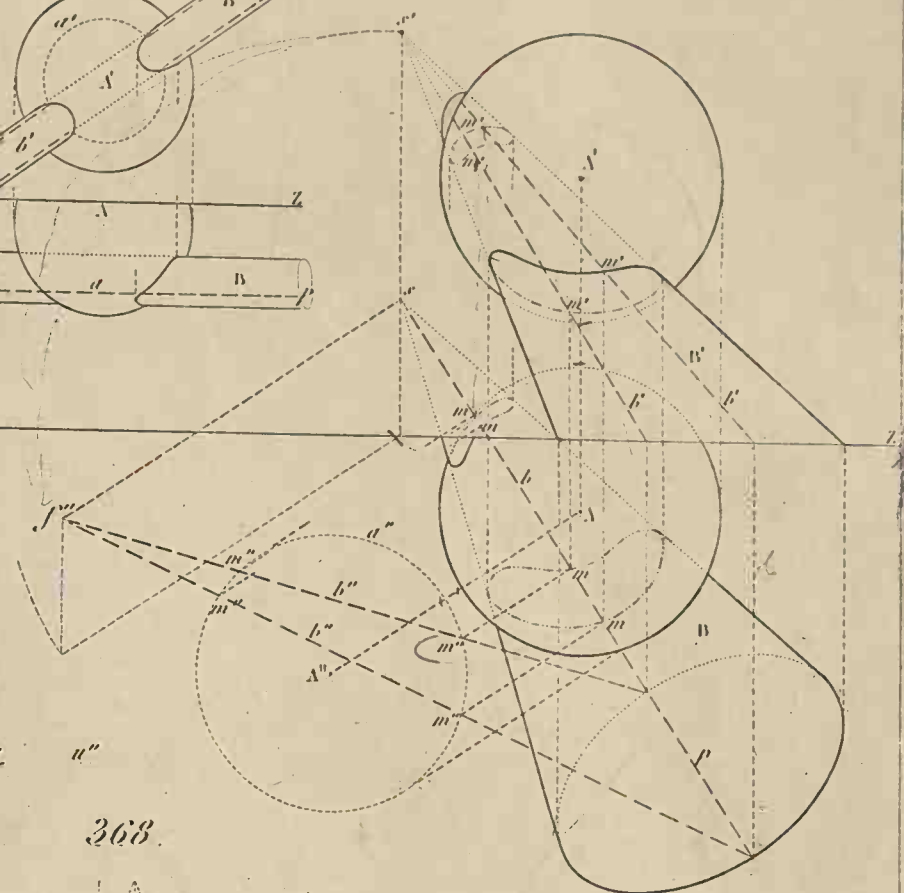
365



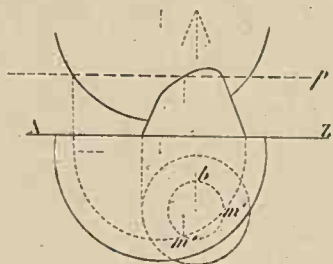
366



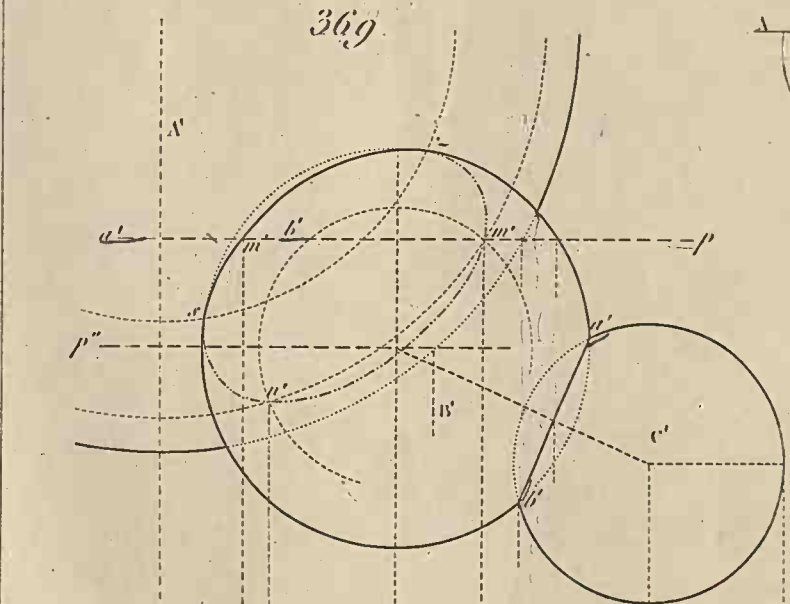
367



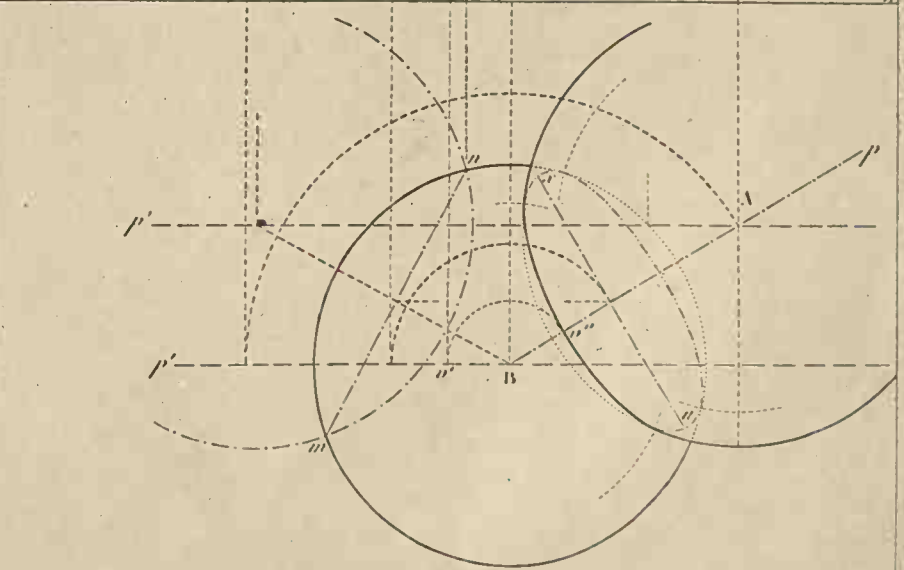
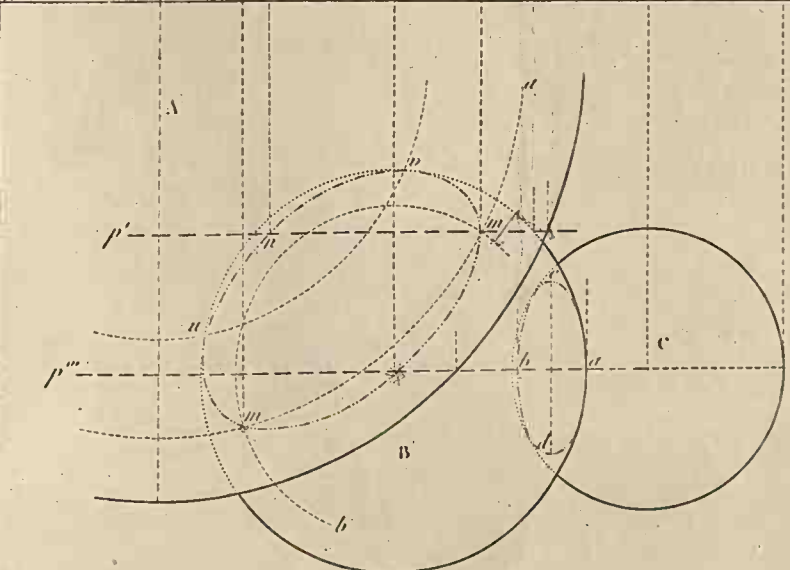
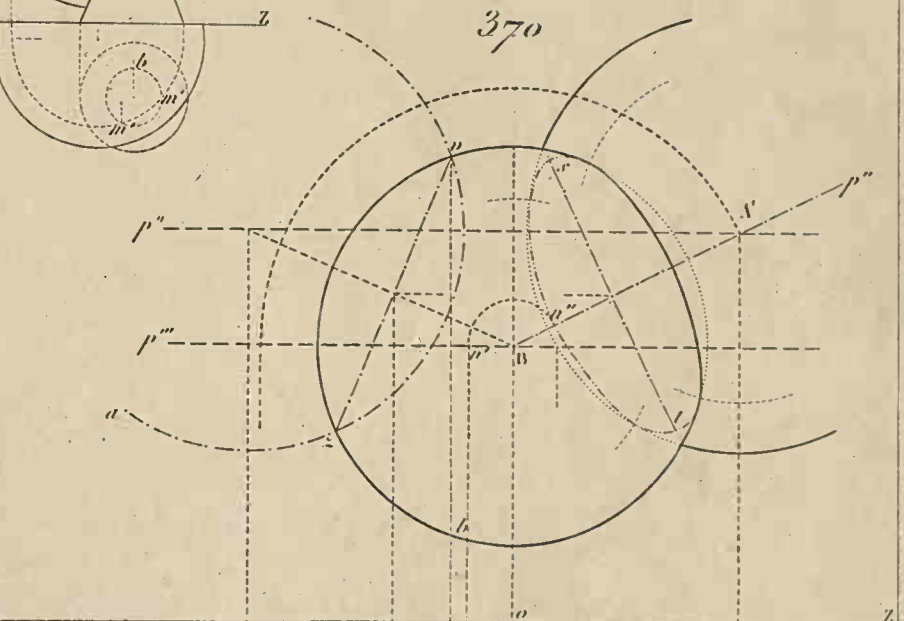
368

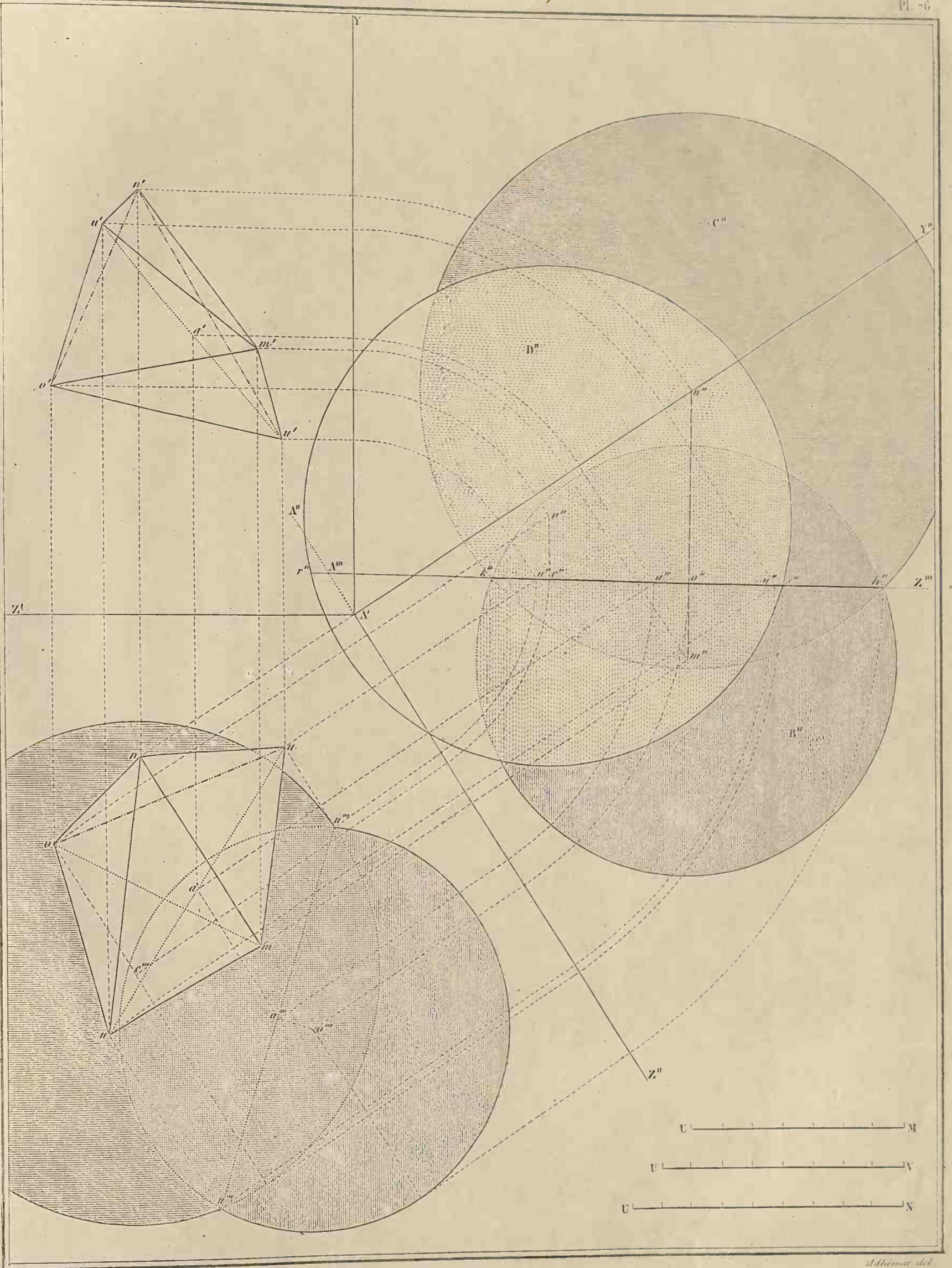


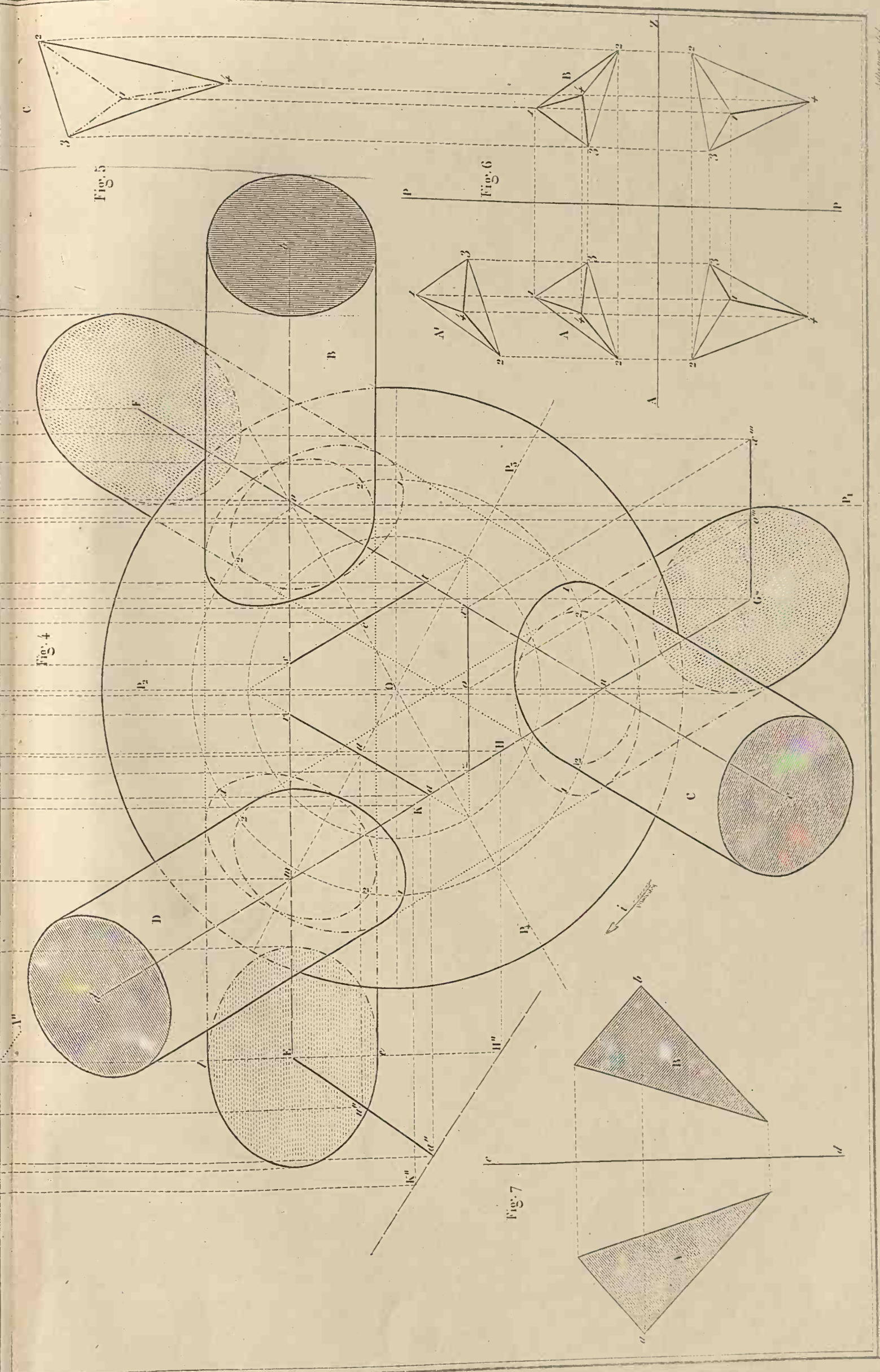
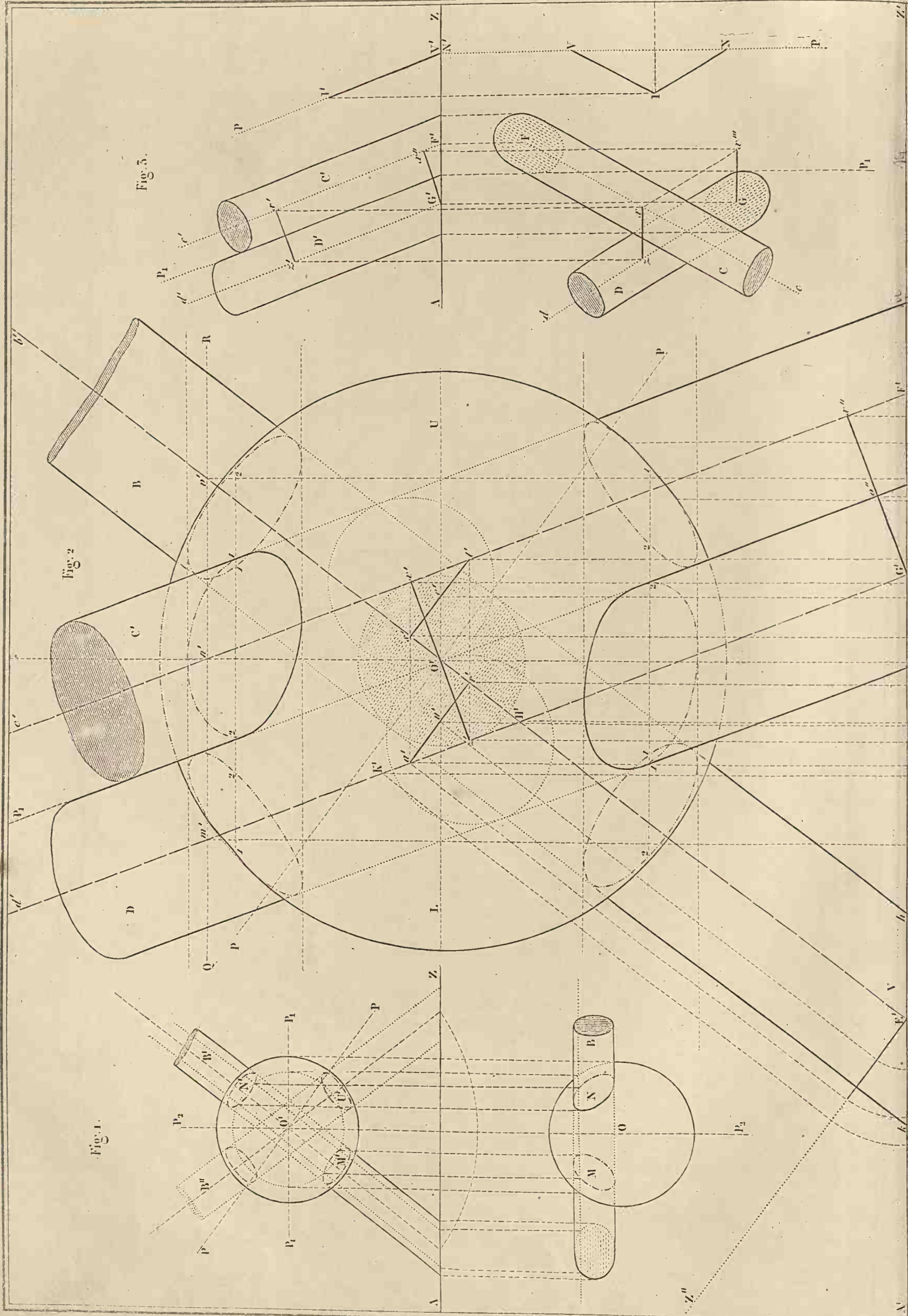
369



370



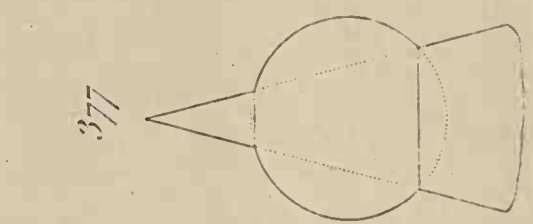
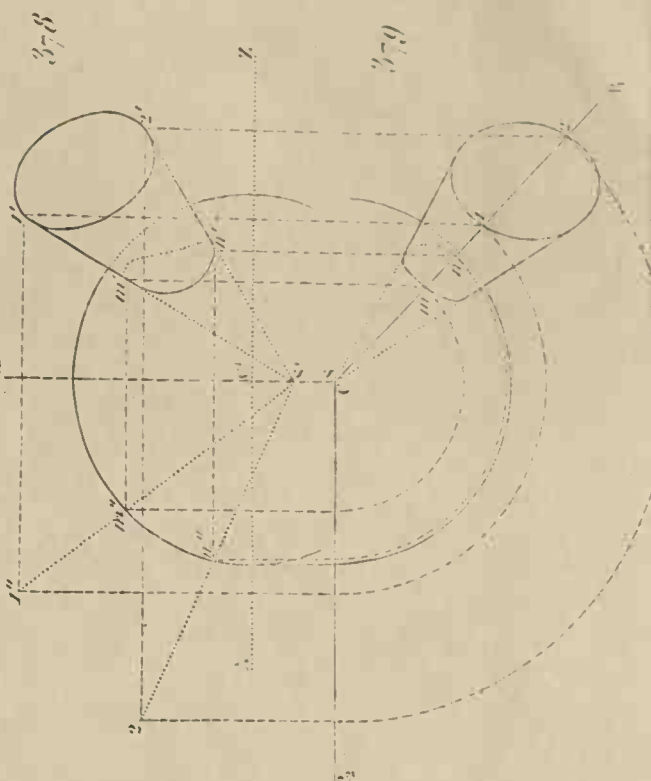
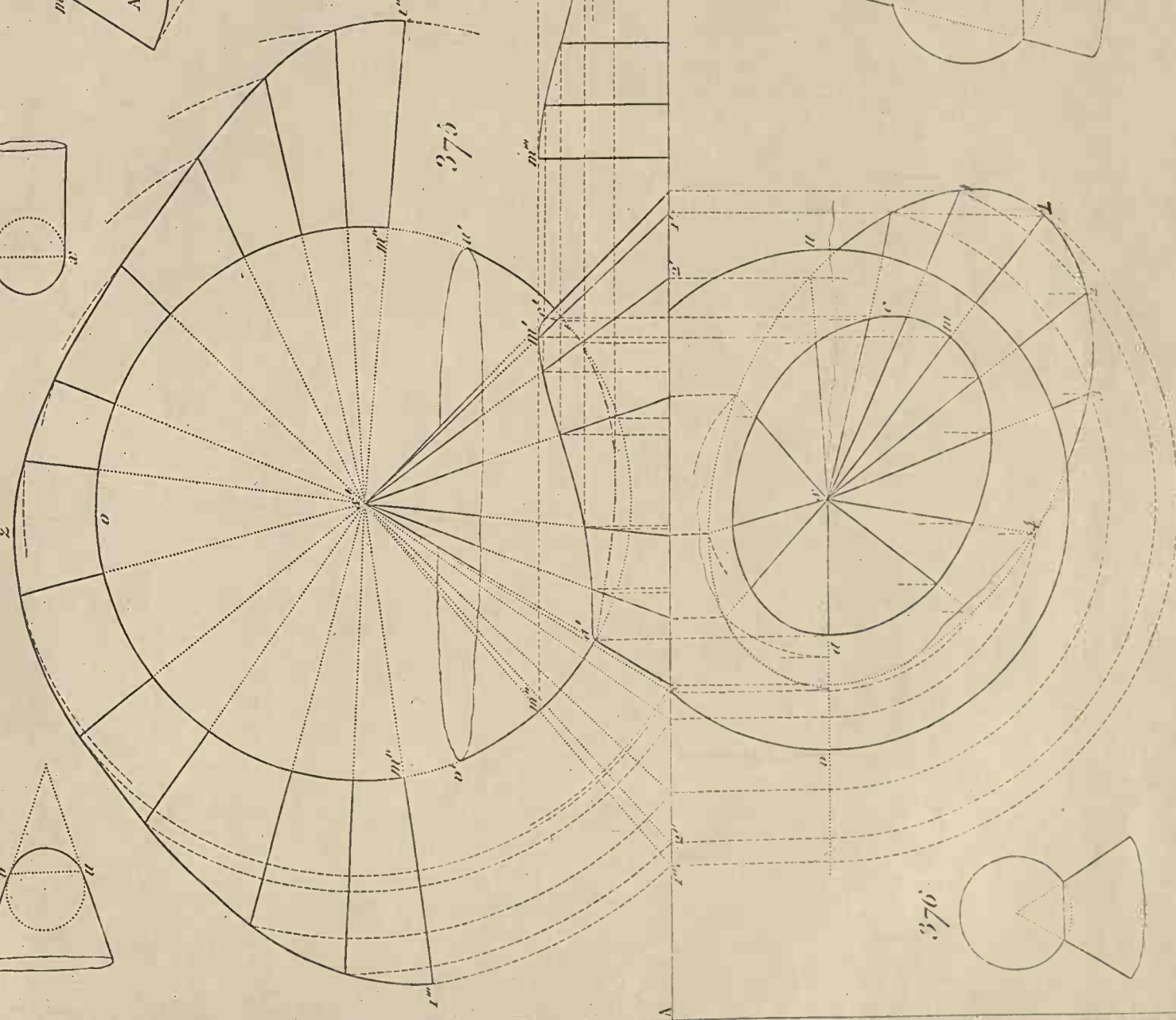
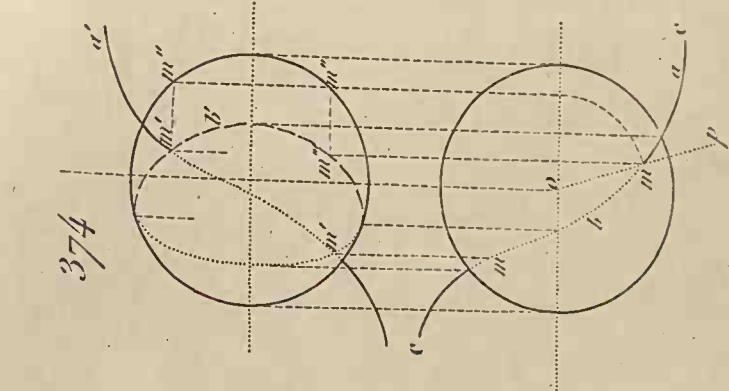
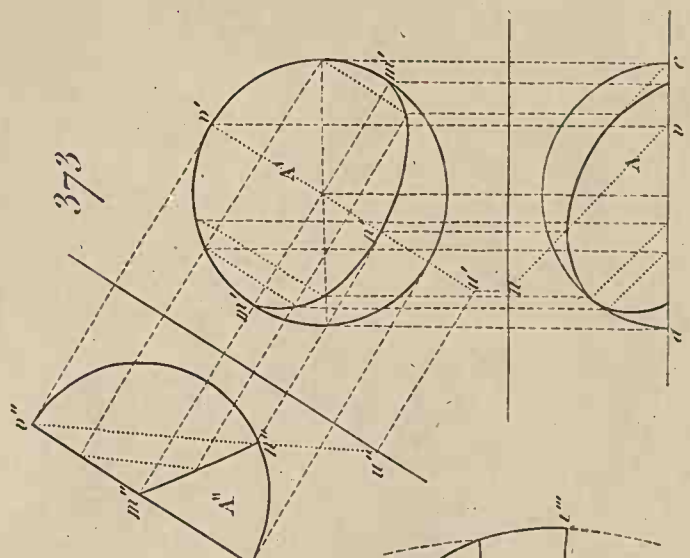
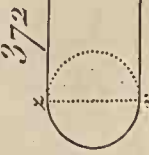
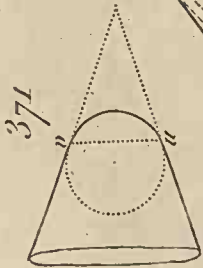


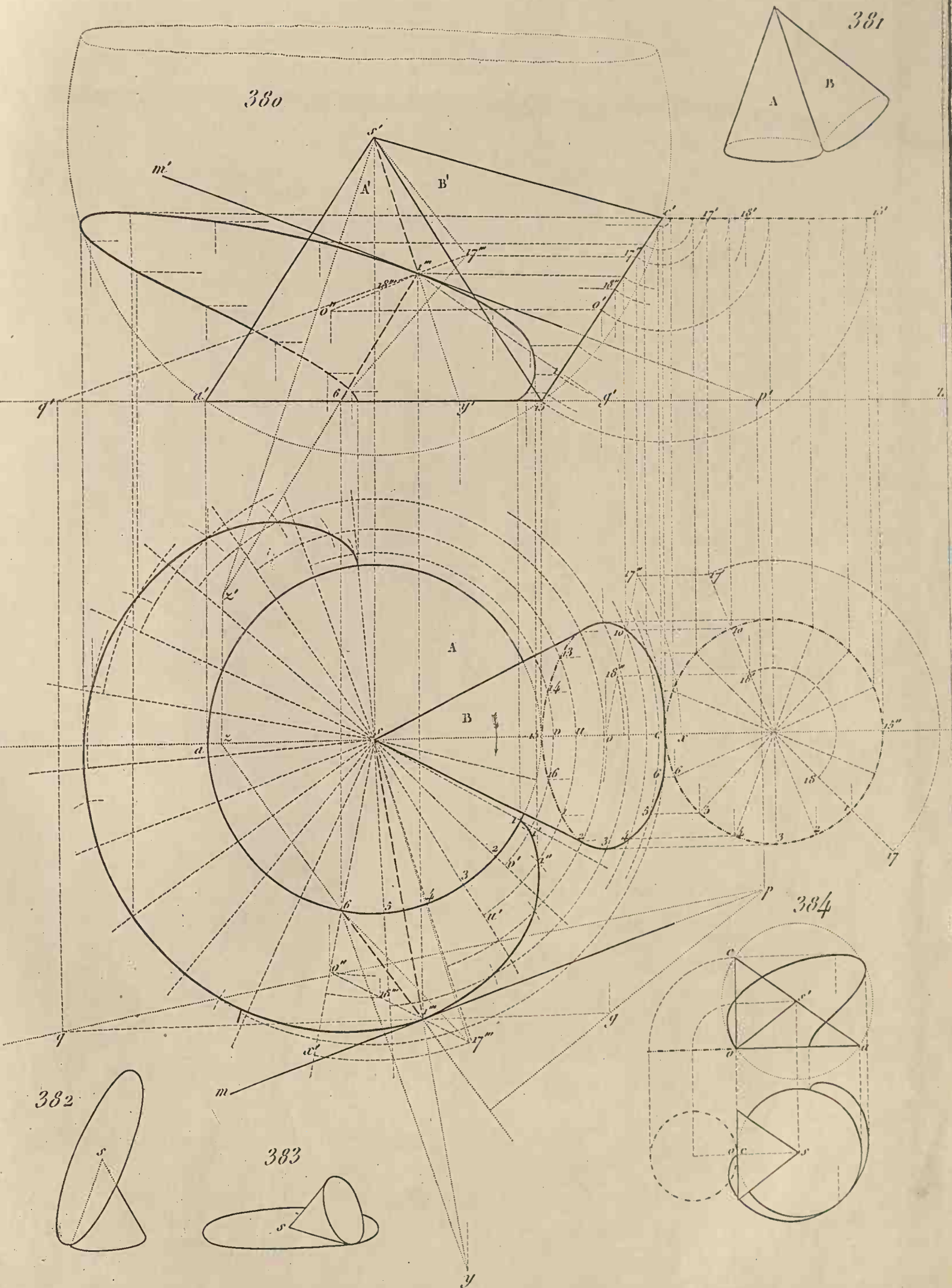


Sphères, Cylindres et Cônes.

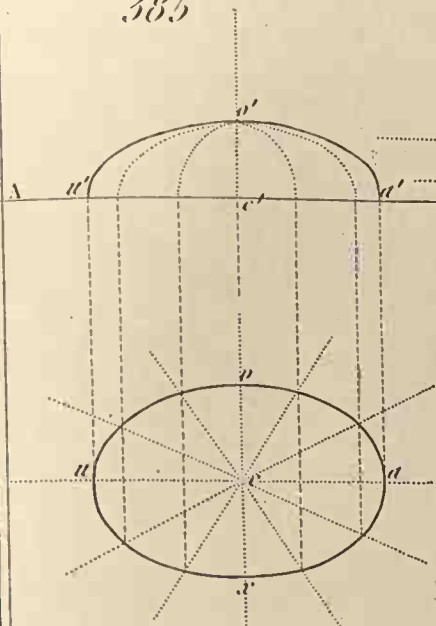
Géométrie descriptive.

Pl. 78.

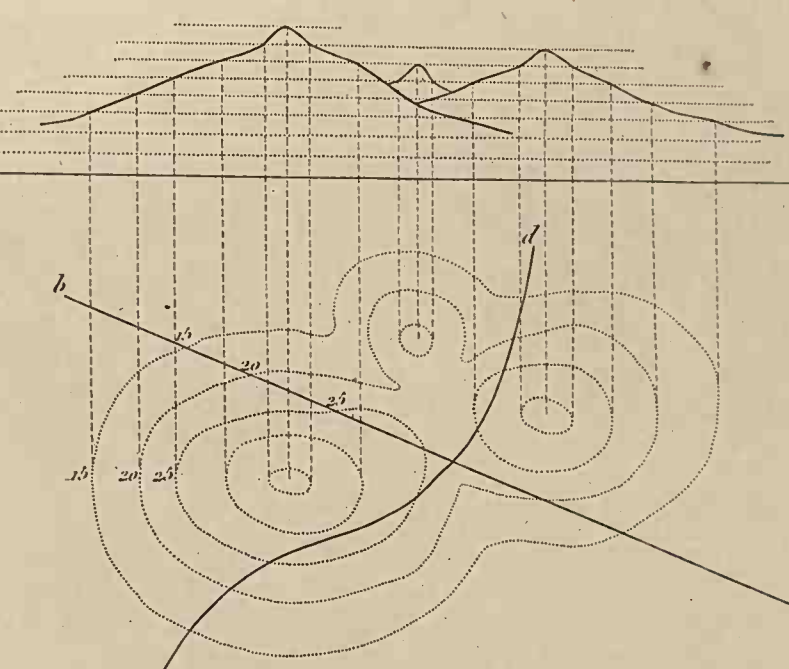




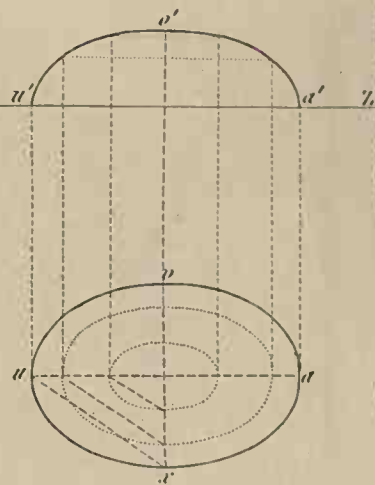
385



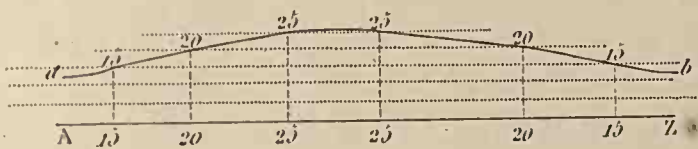
386



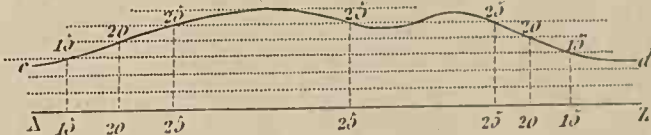
387



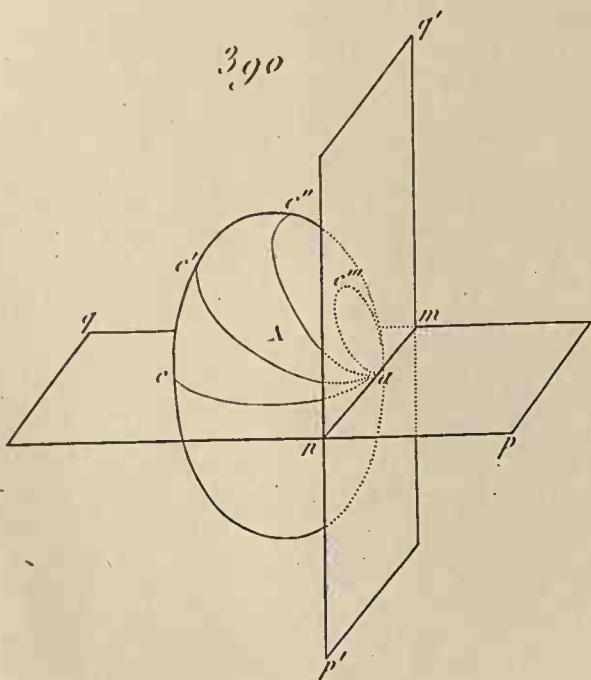
388



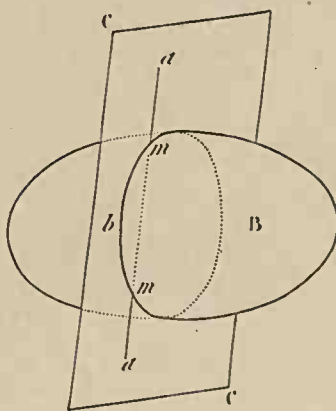
389



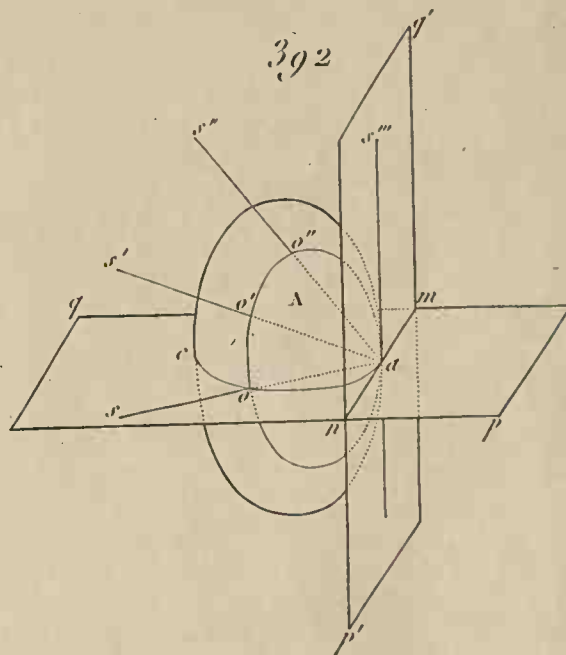
390



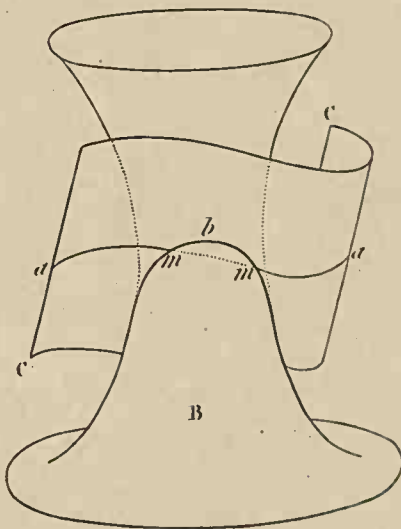
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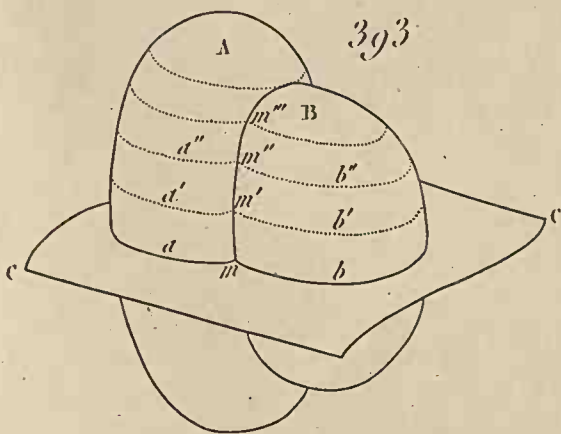
392



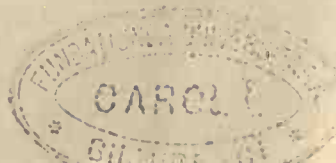
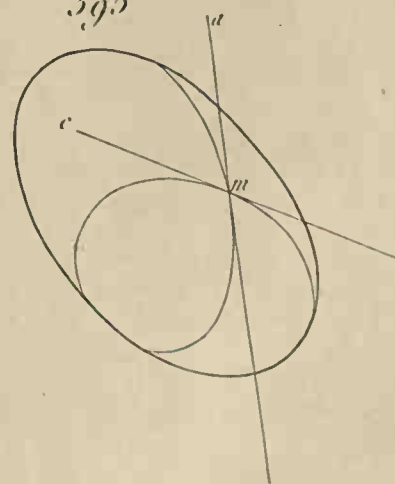
394



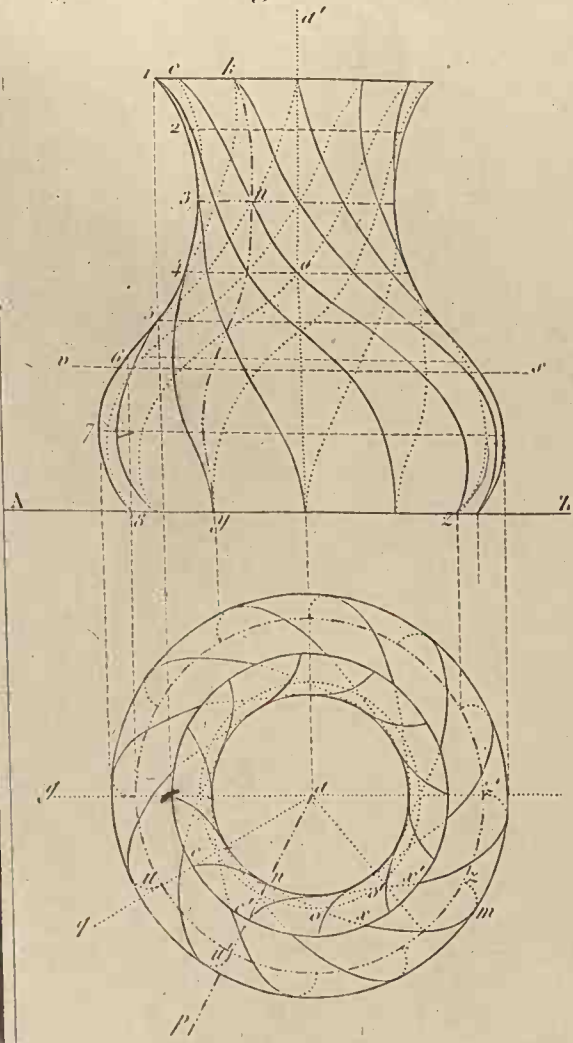
393



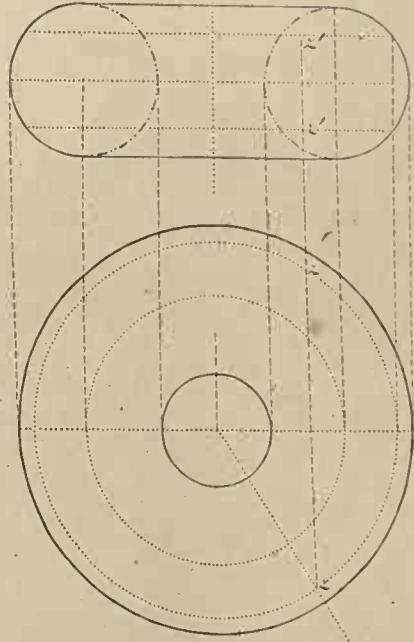
395



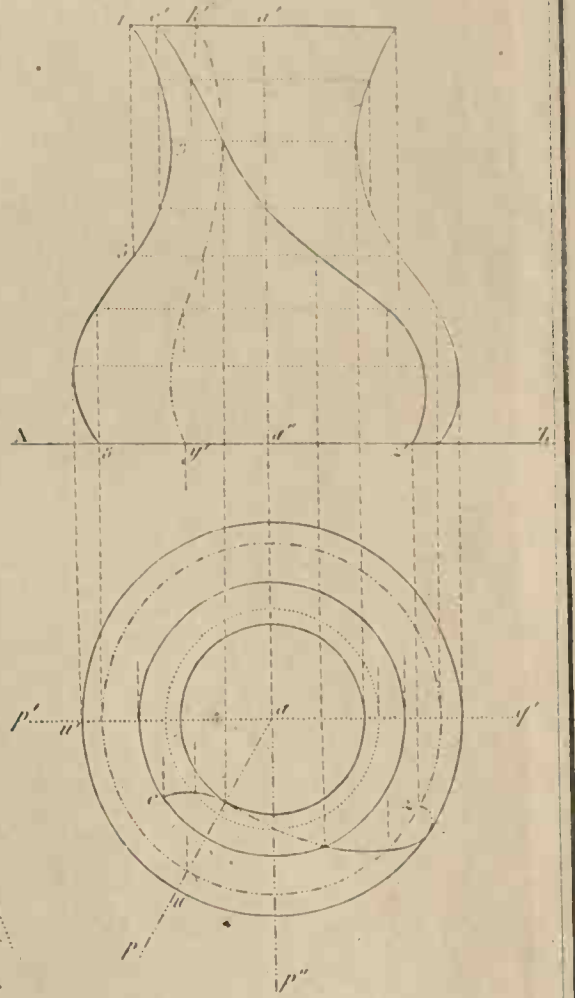
396



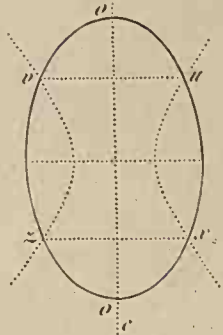
397



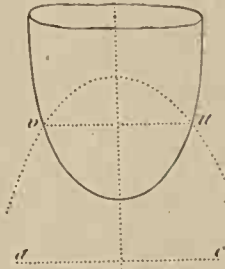
398



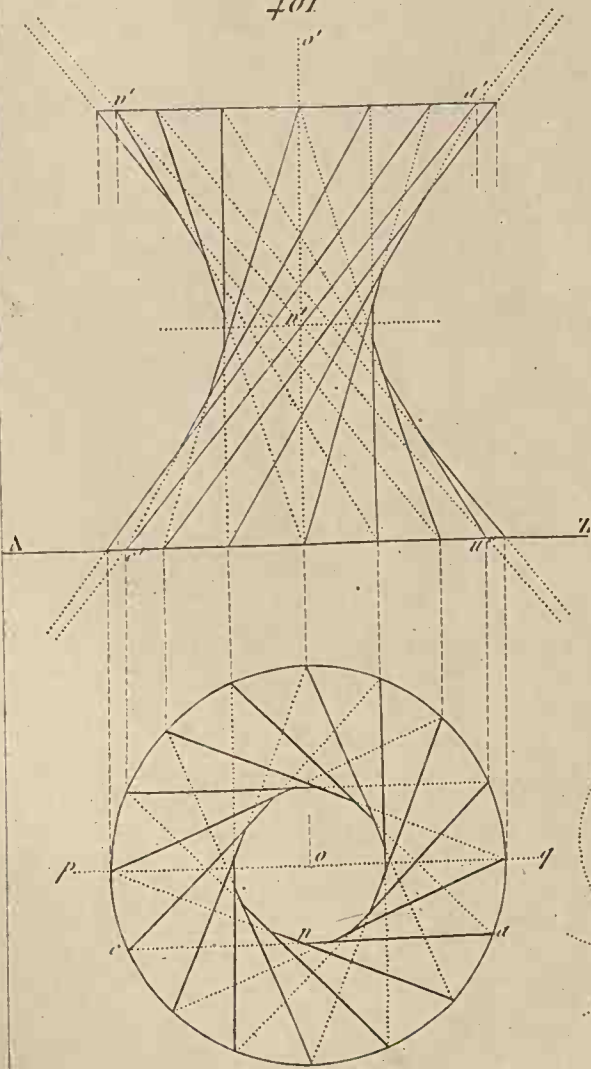
399



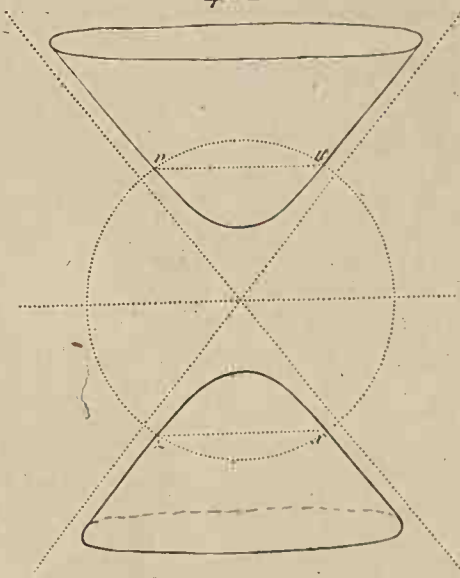
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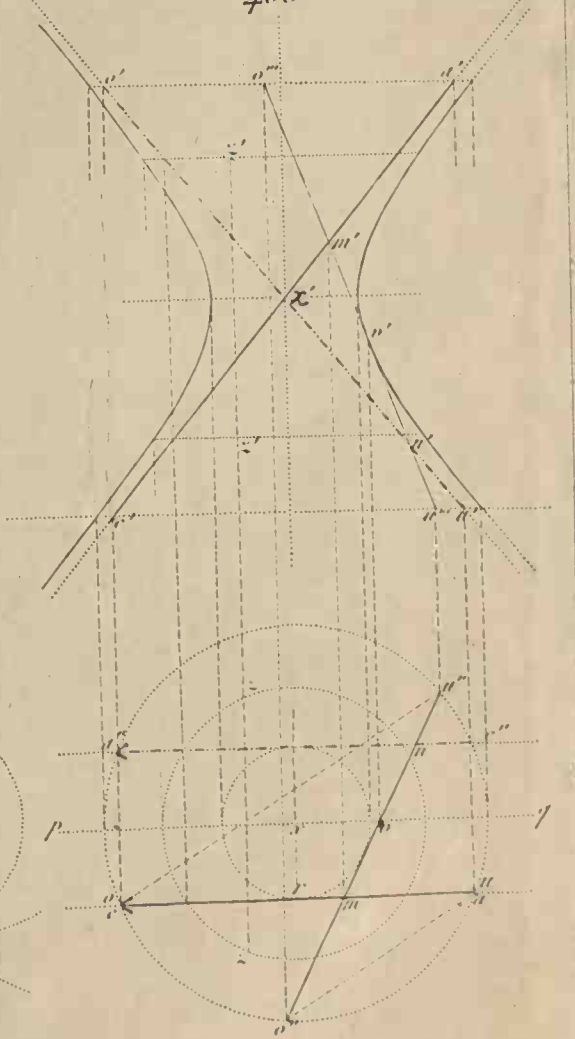
401



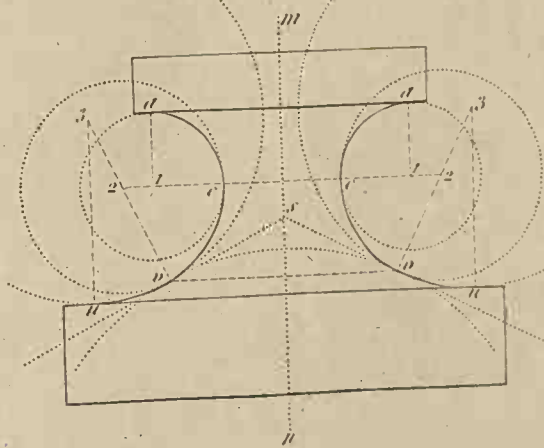
402



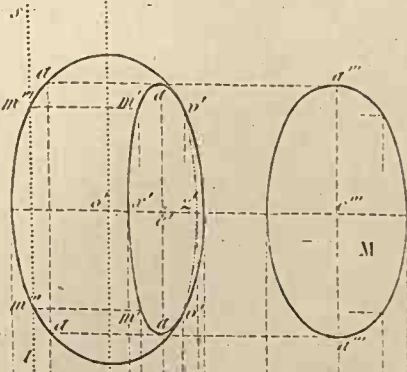
403



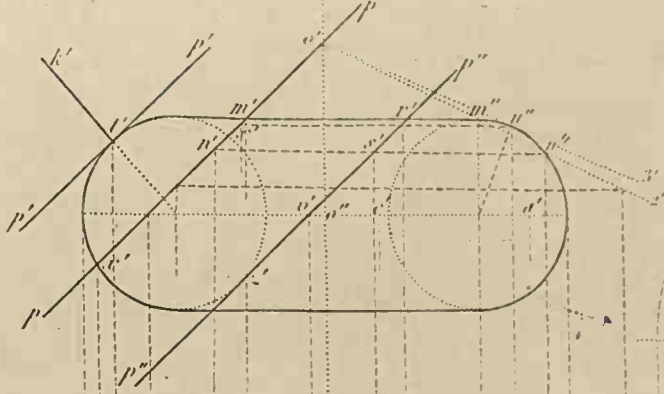
404



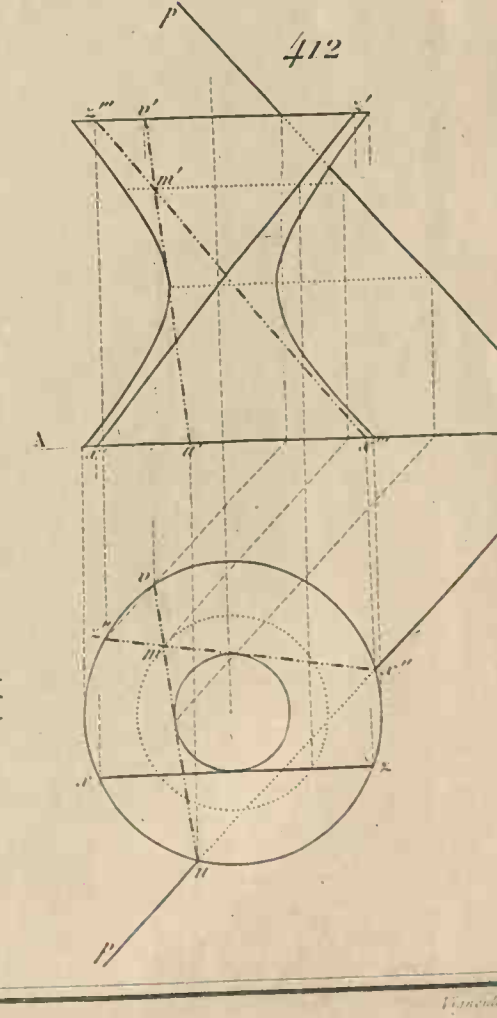
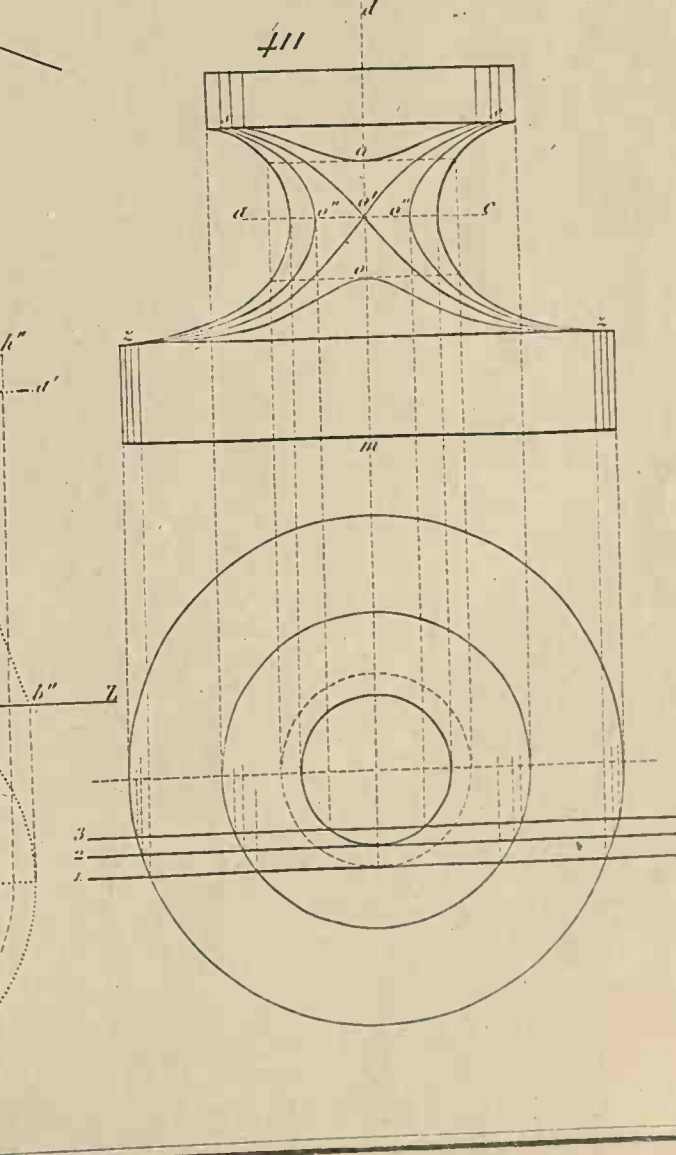
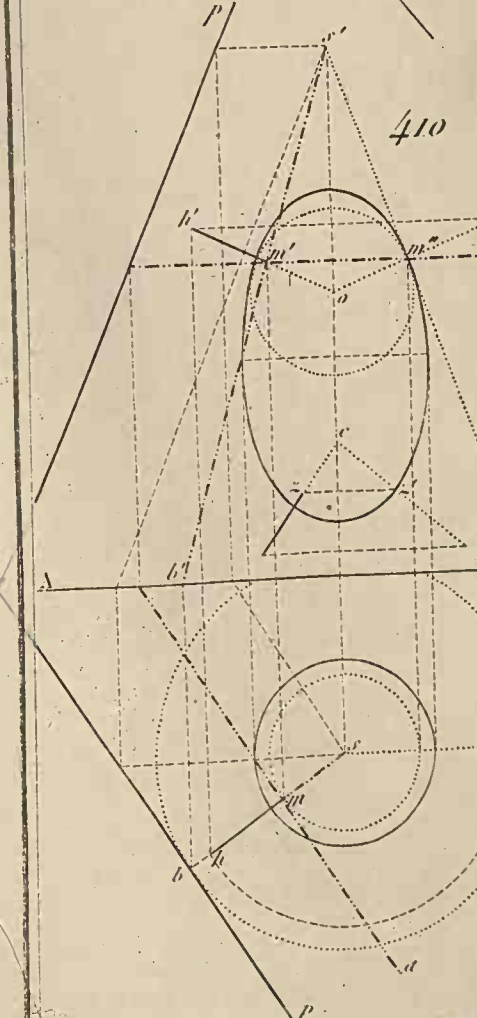
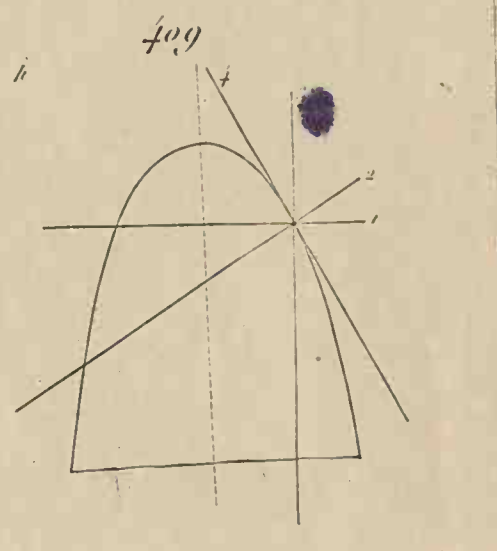
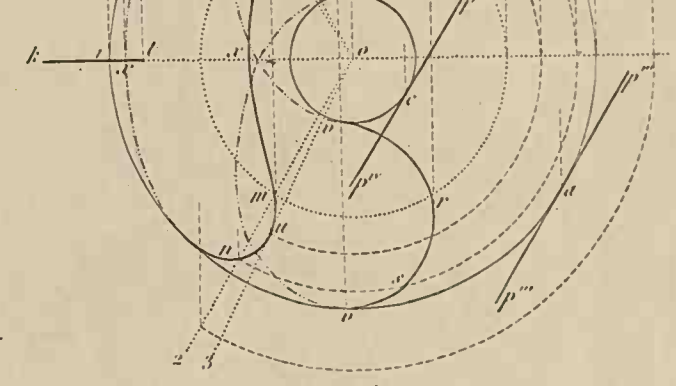
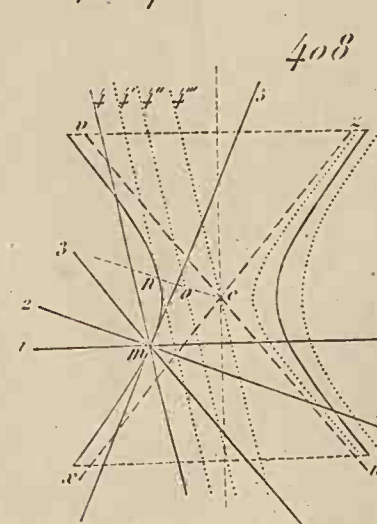
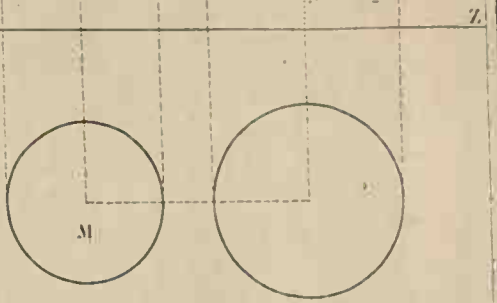
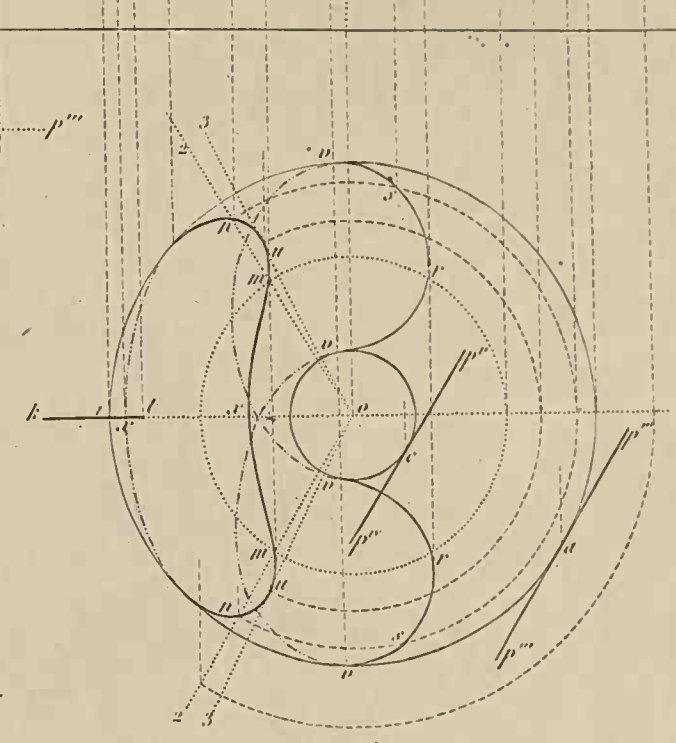
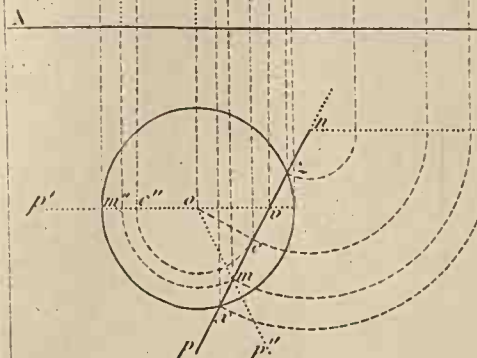
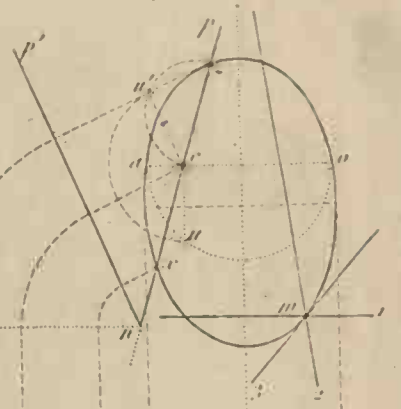
405



406

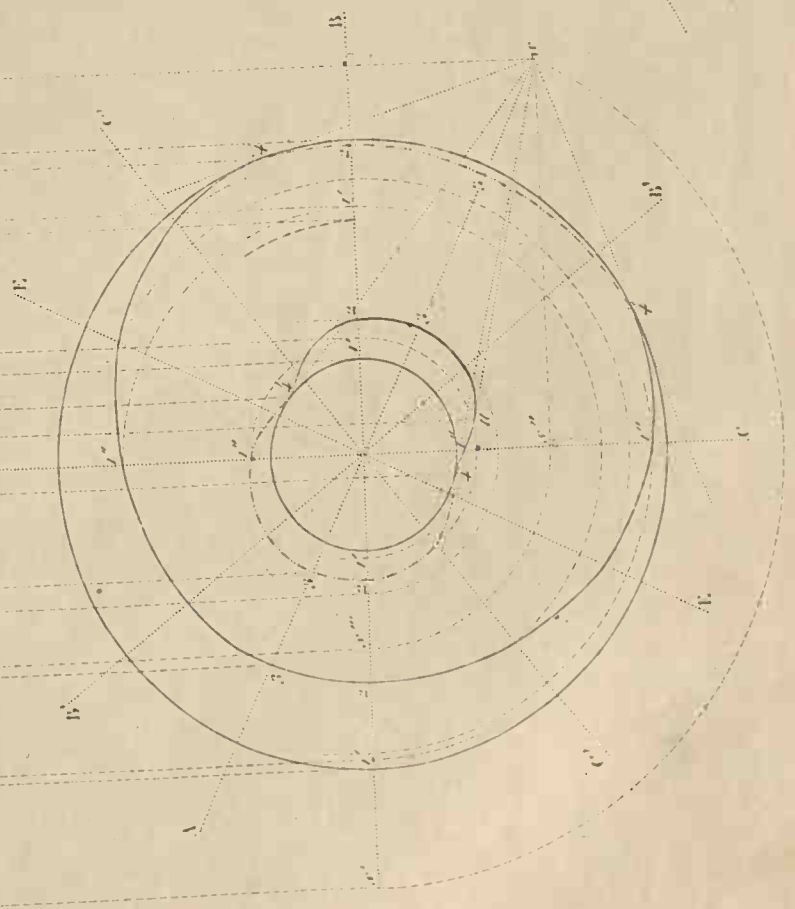
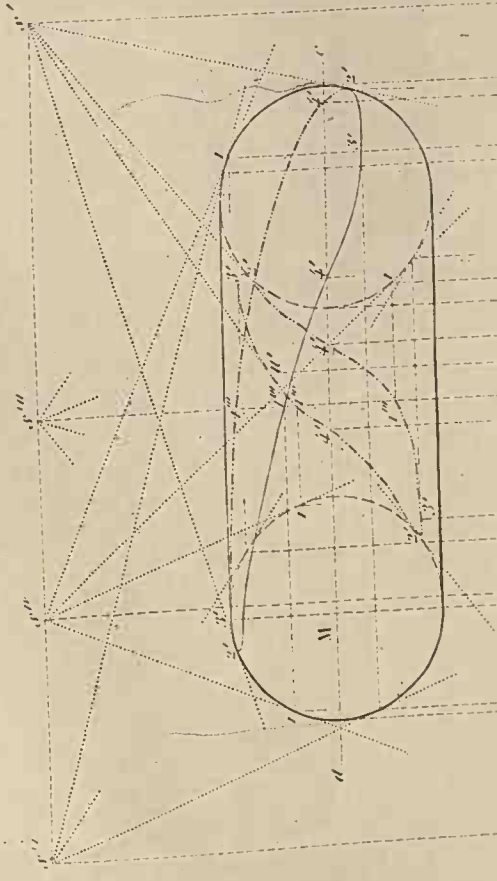


407

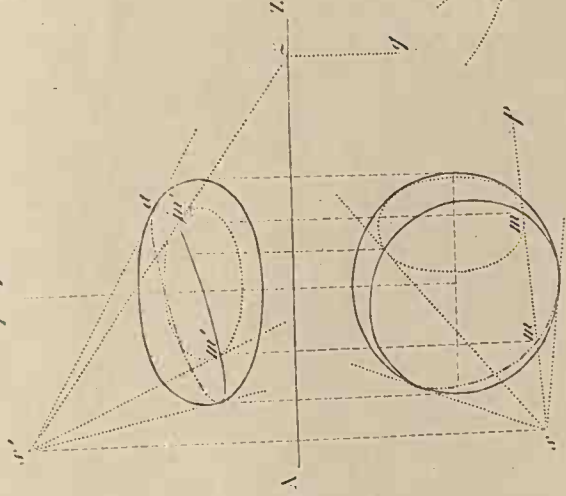


Geometrie descriptive.

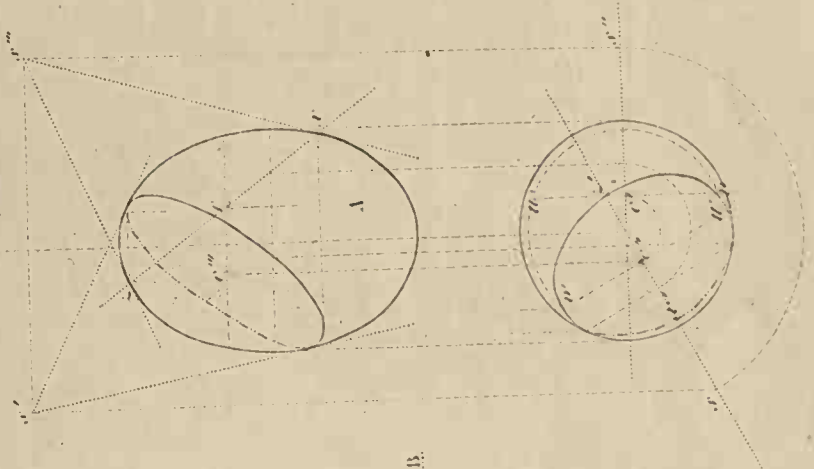
413



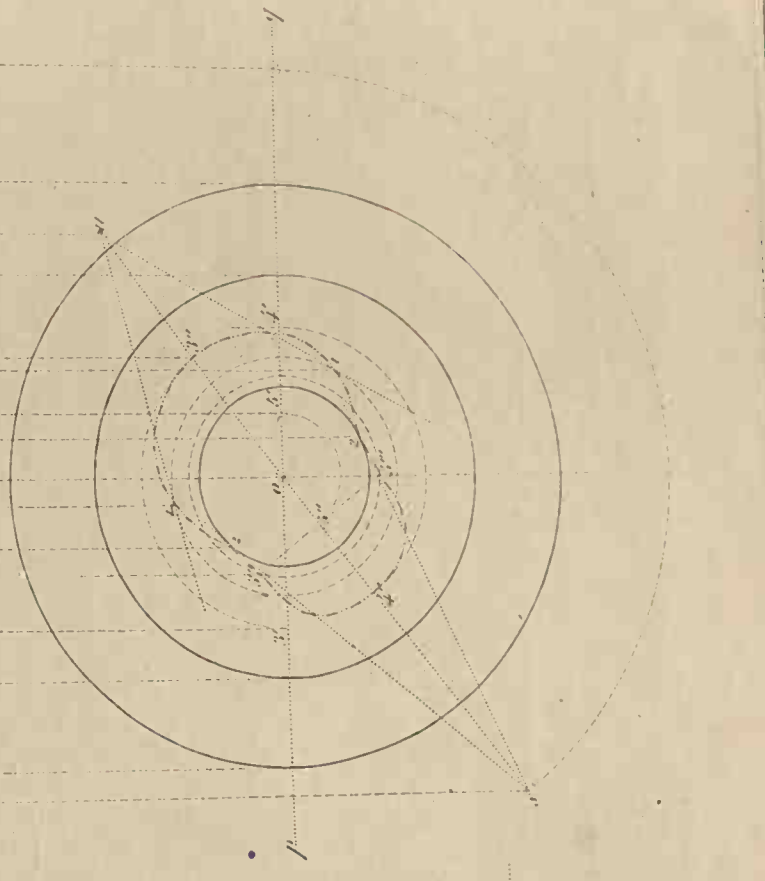
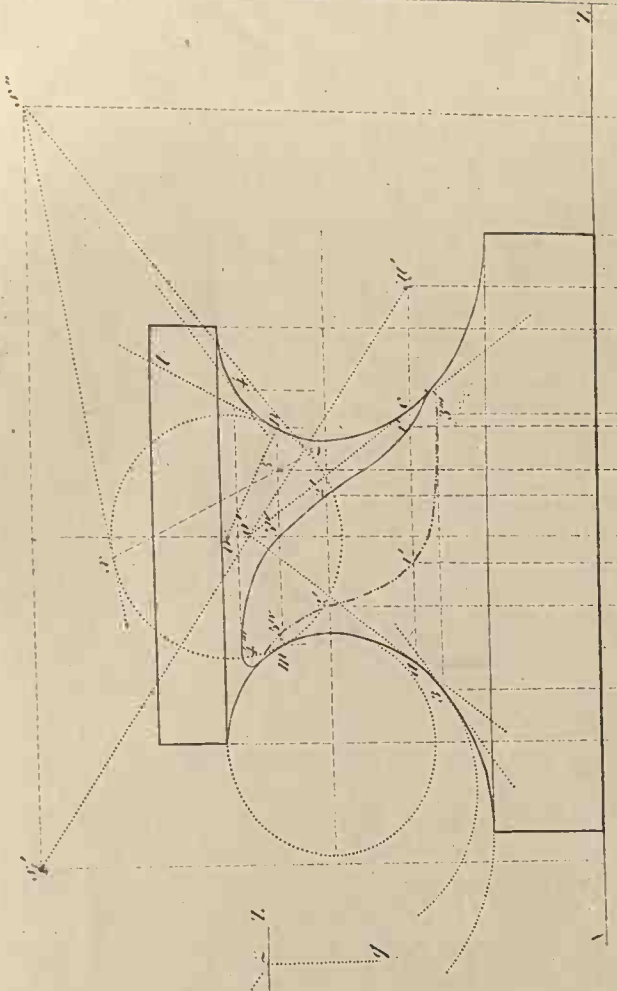
414

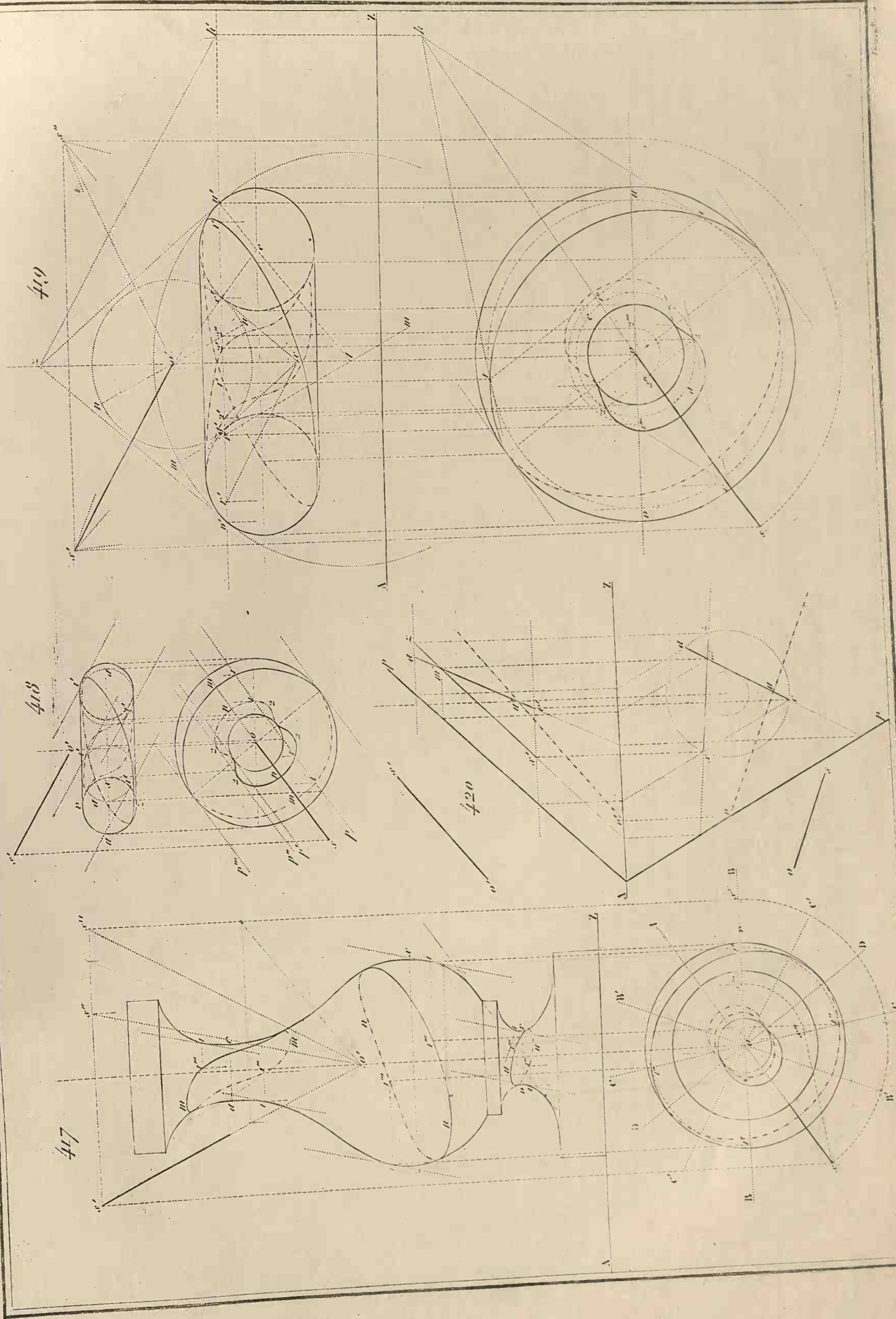


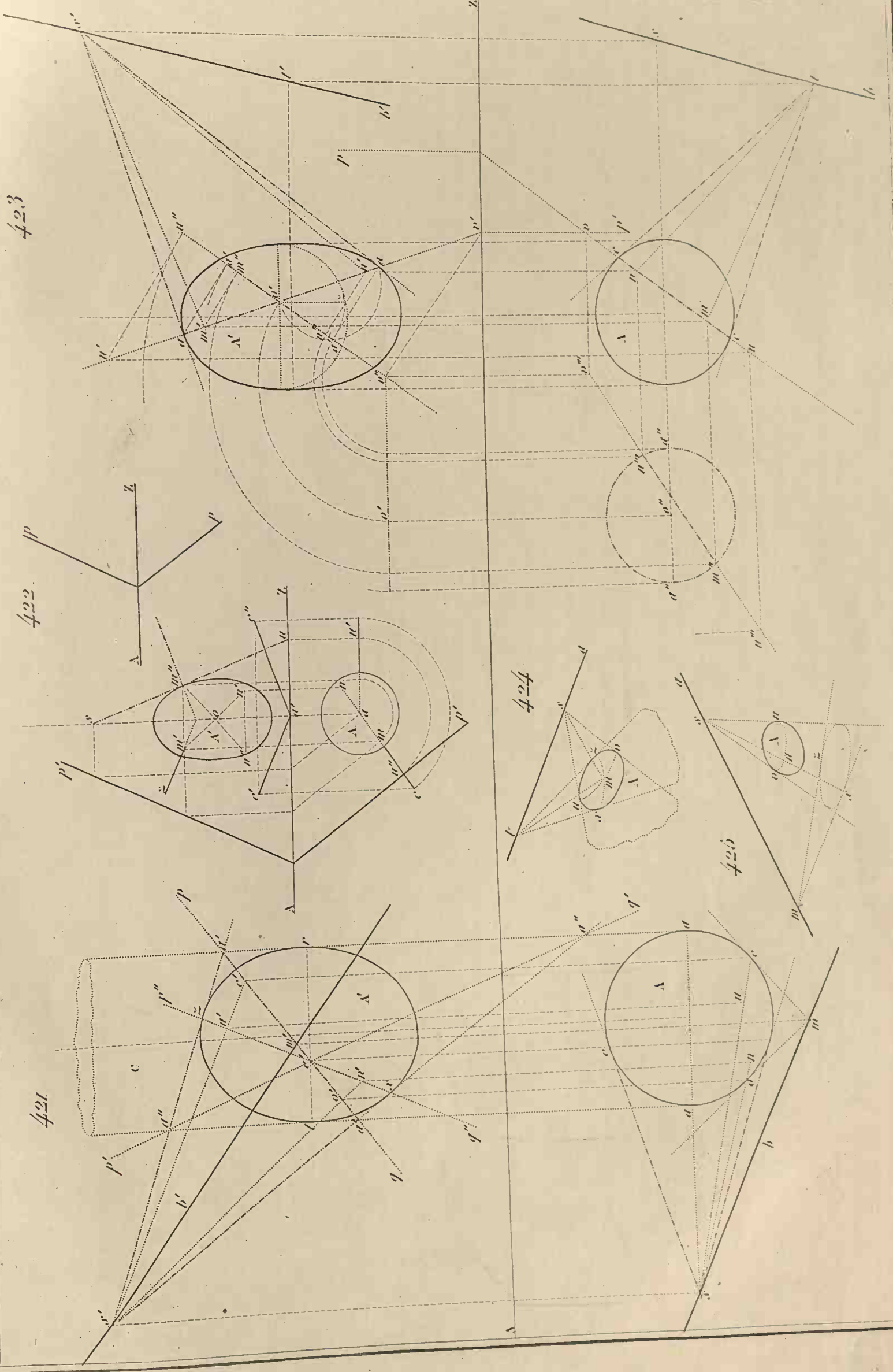
416

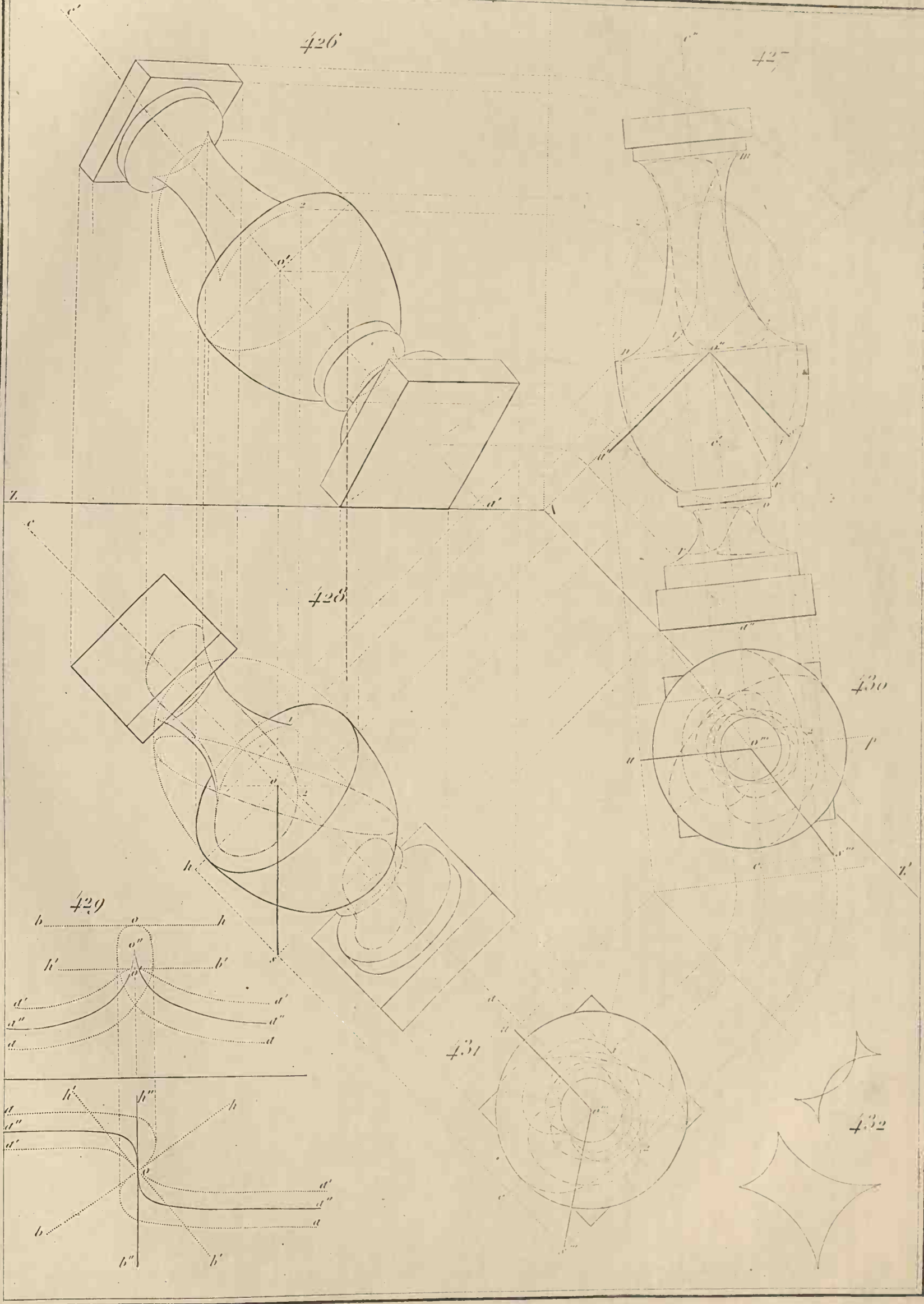


415

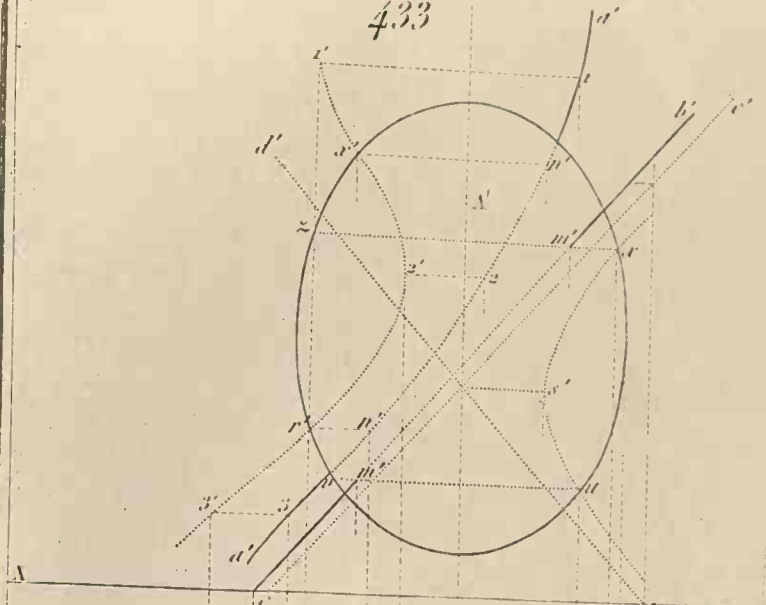




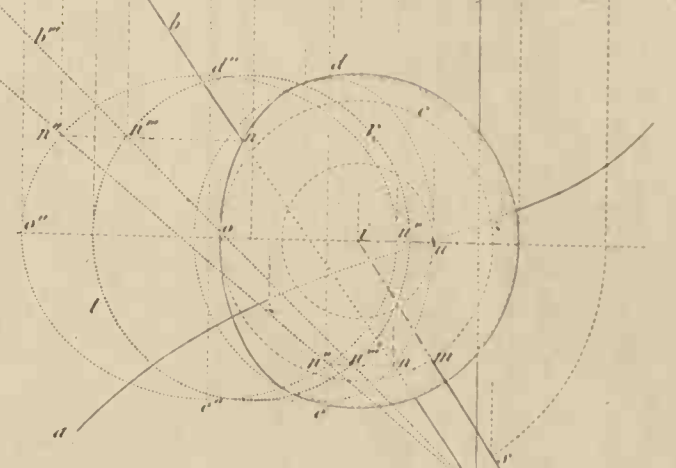
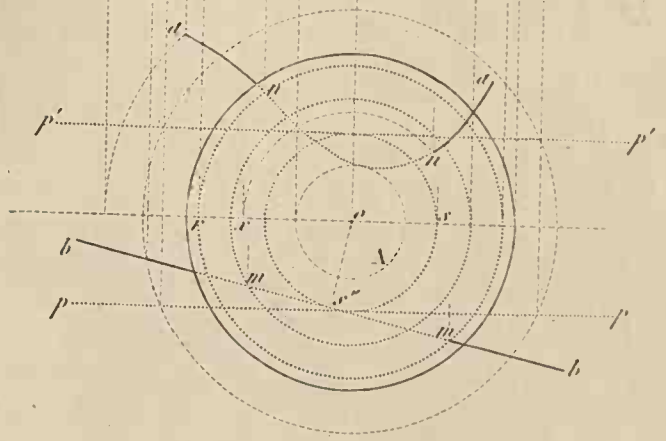
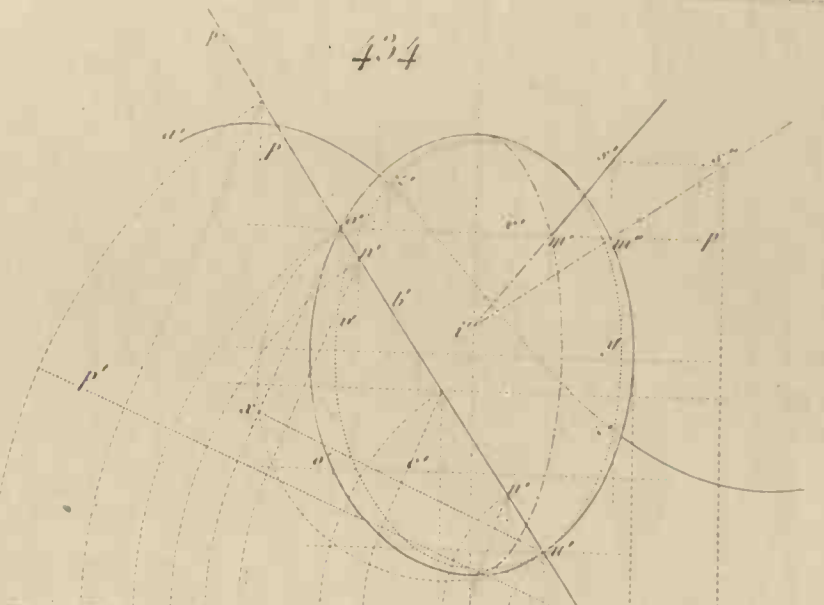




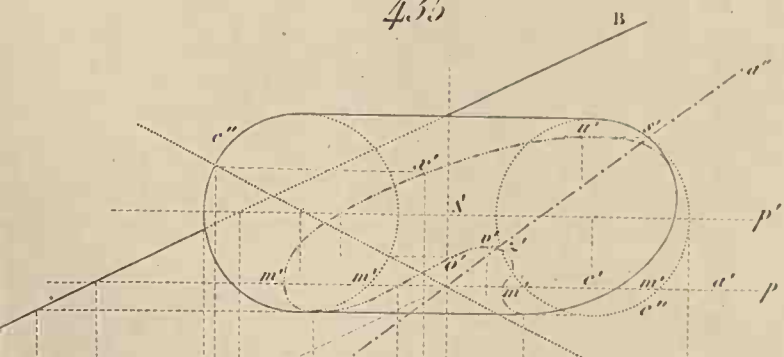
433



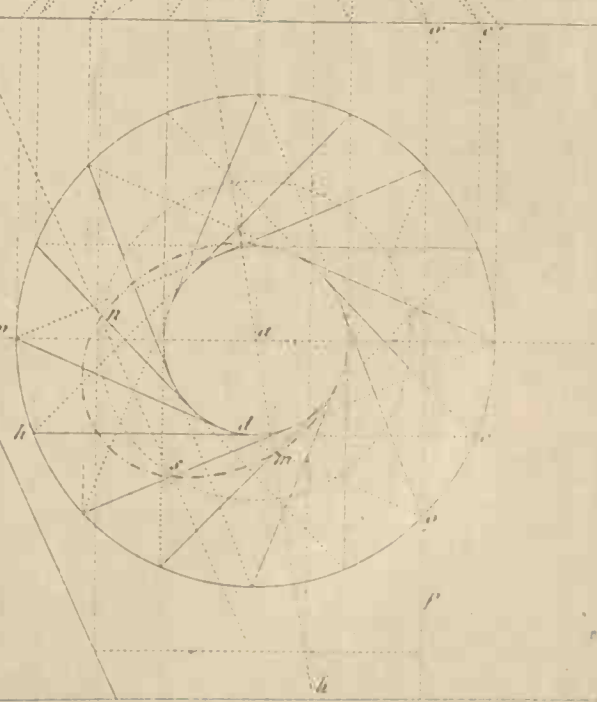
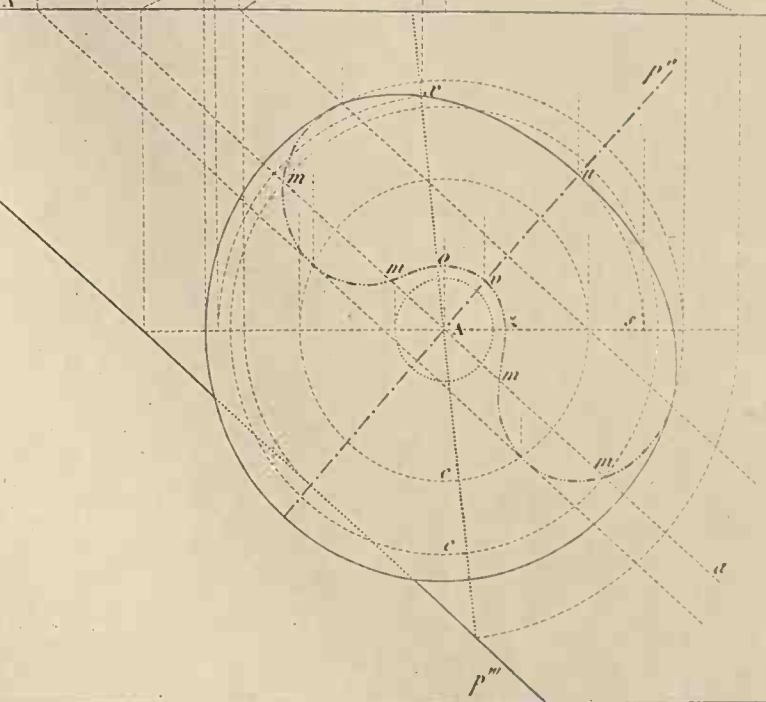
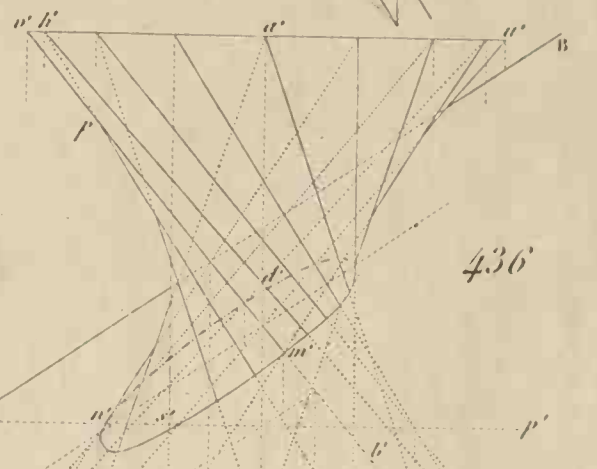
434



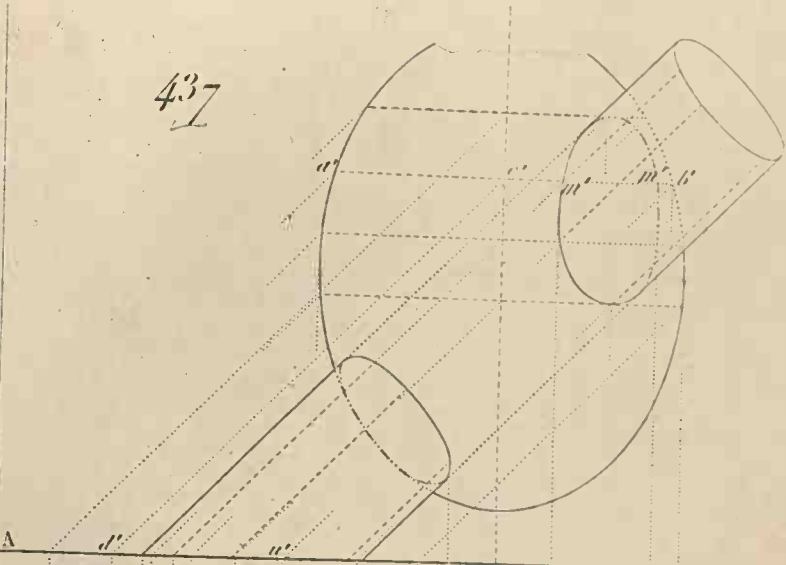
435



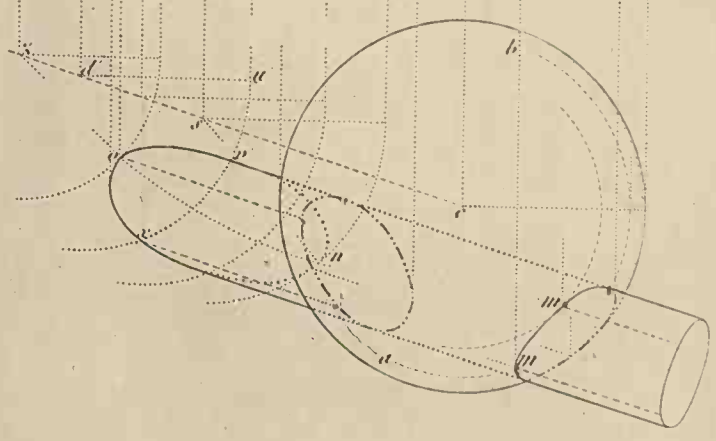
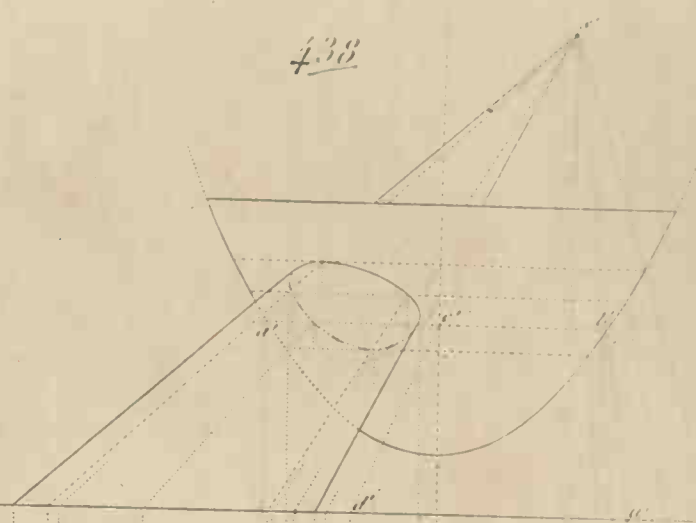
436



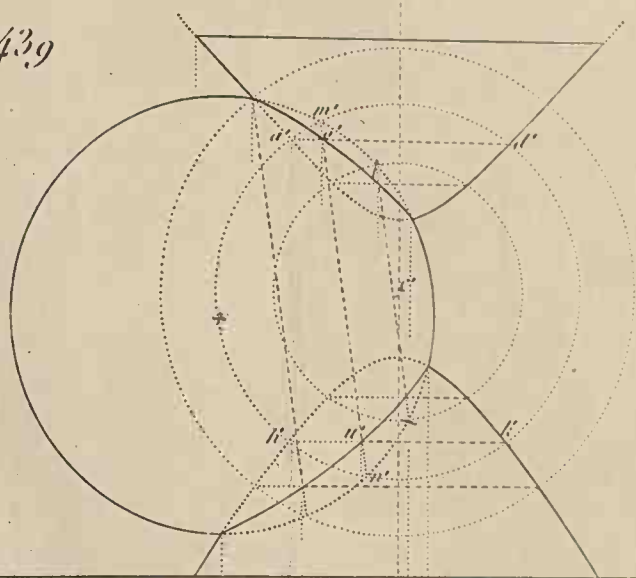
437



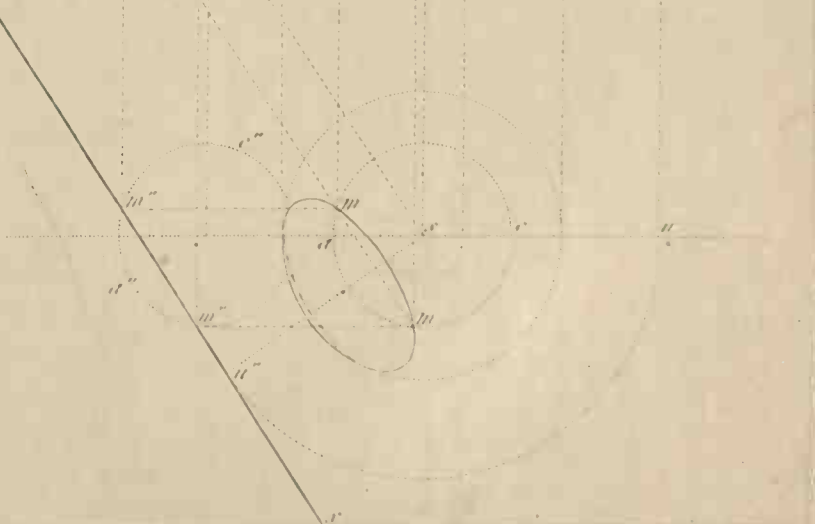
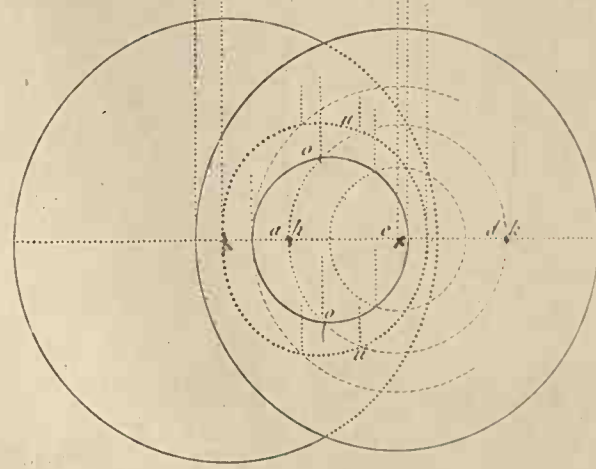
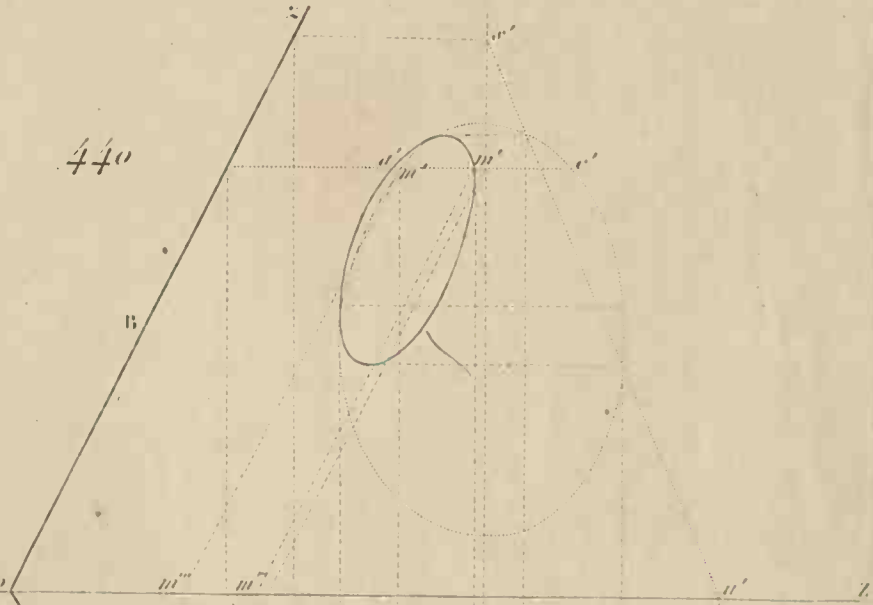
438



439



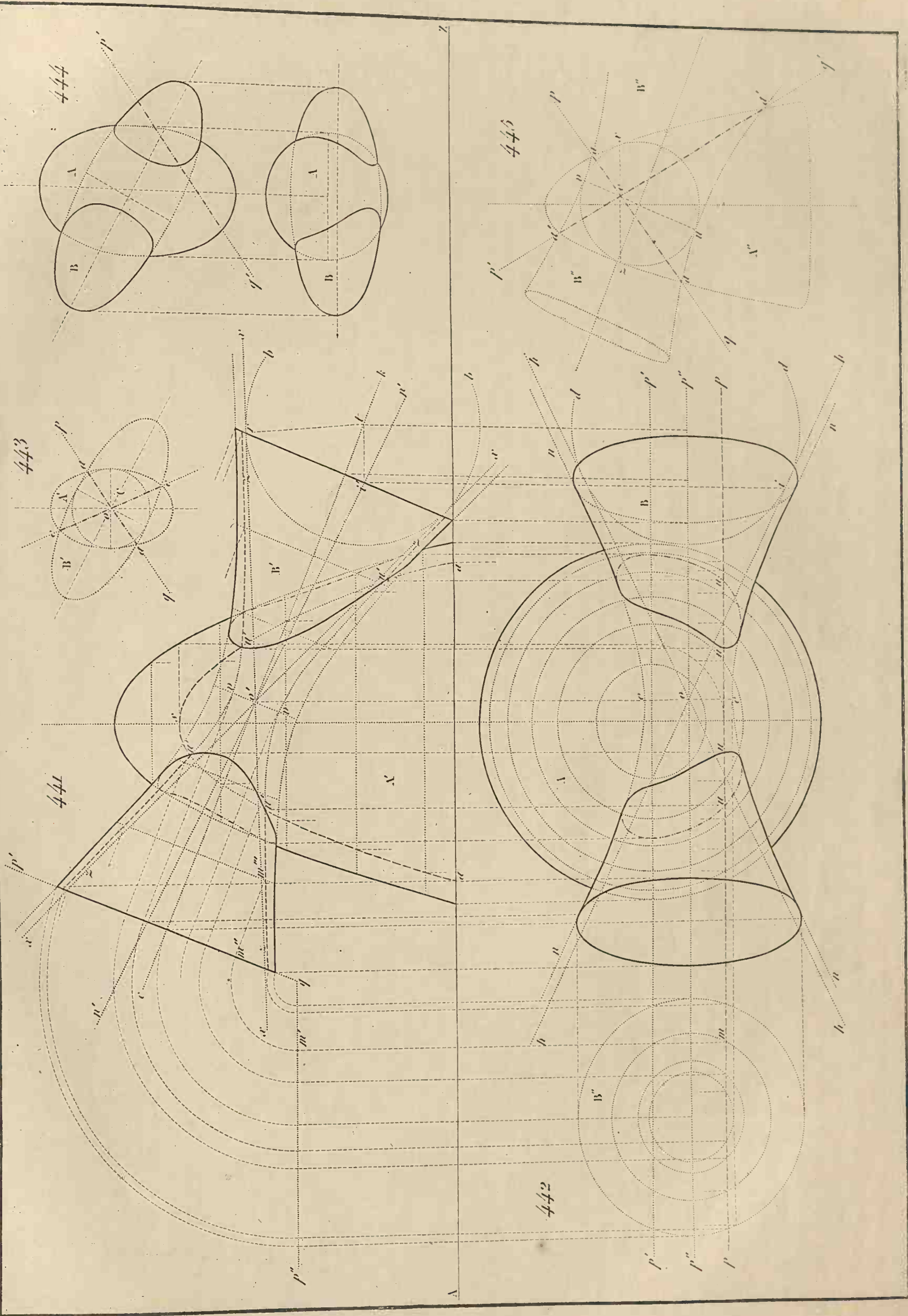
440



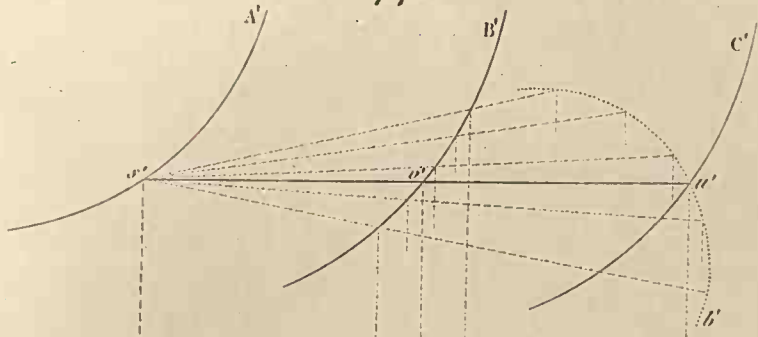
Surfaces de révolution.

Géométrie descriptive.

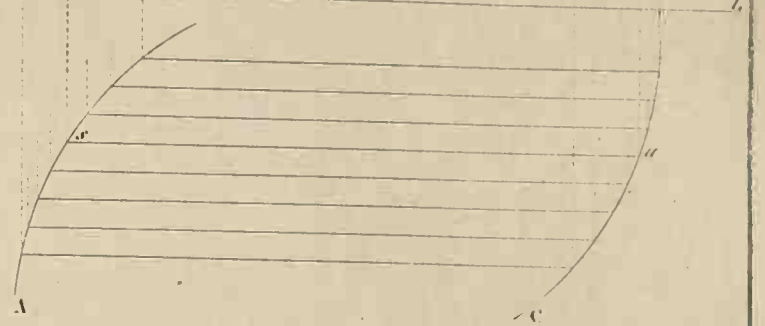
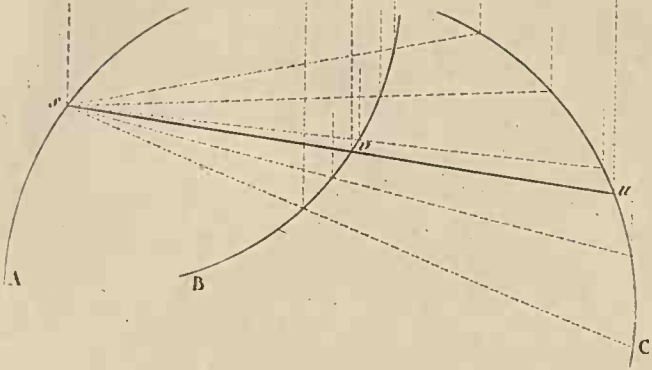
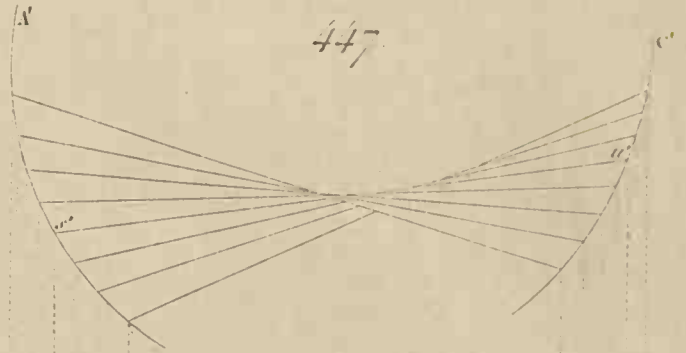
Pl. 89.



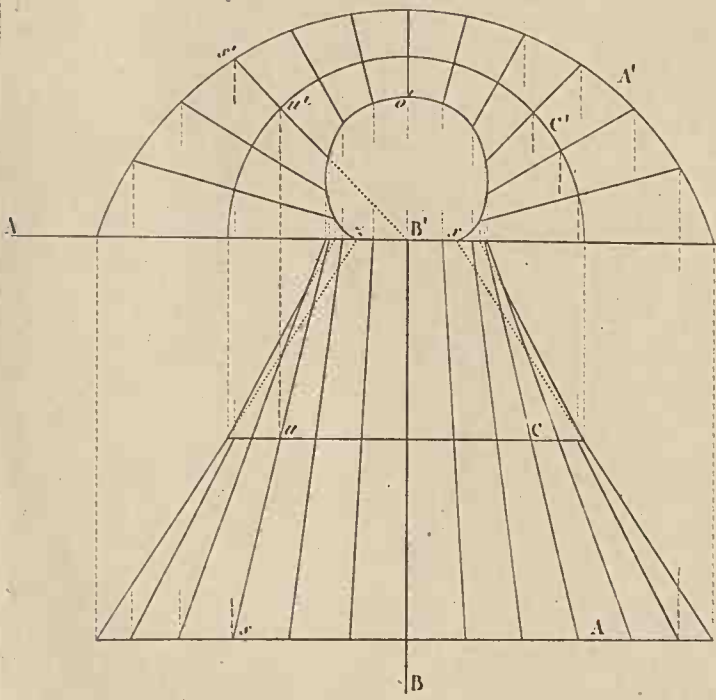
446



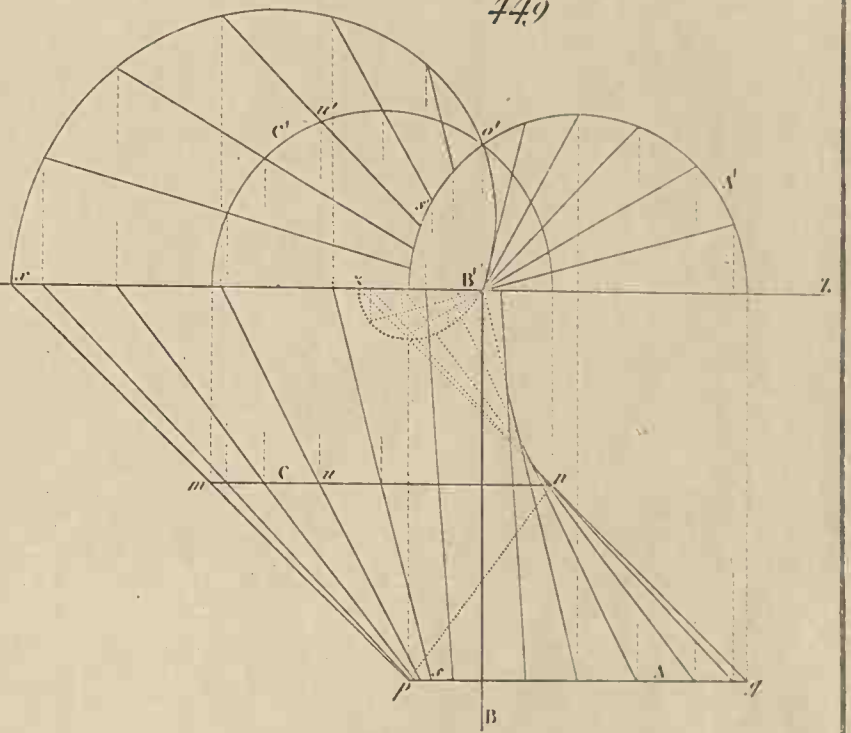
447



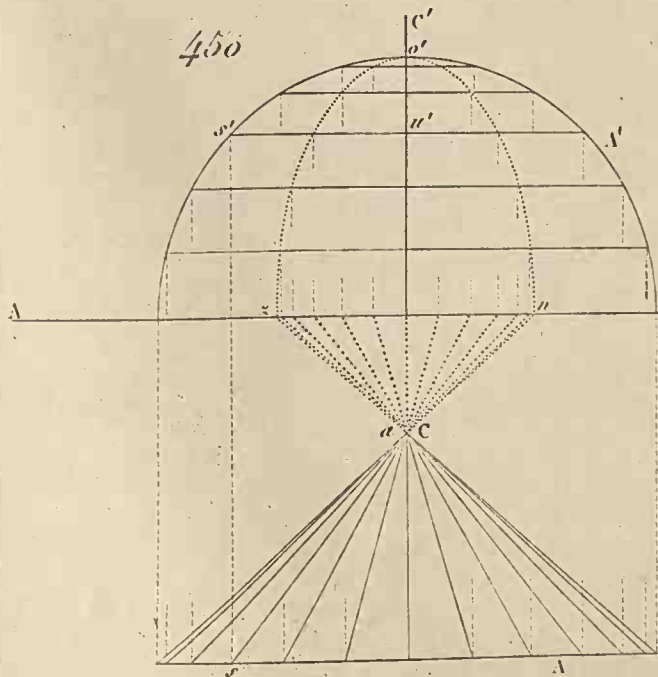
448



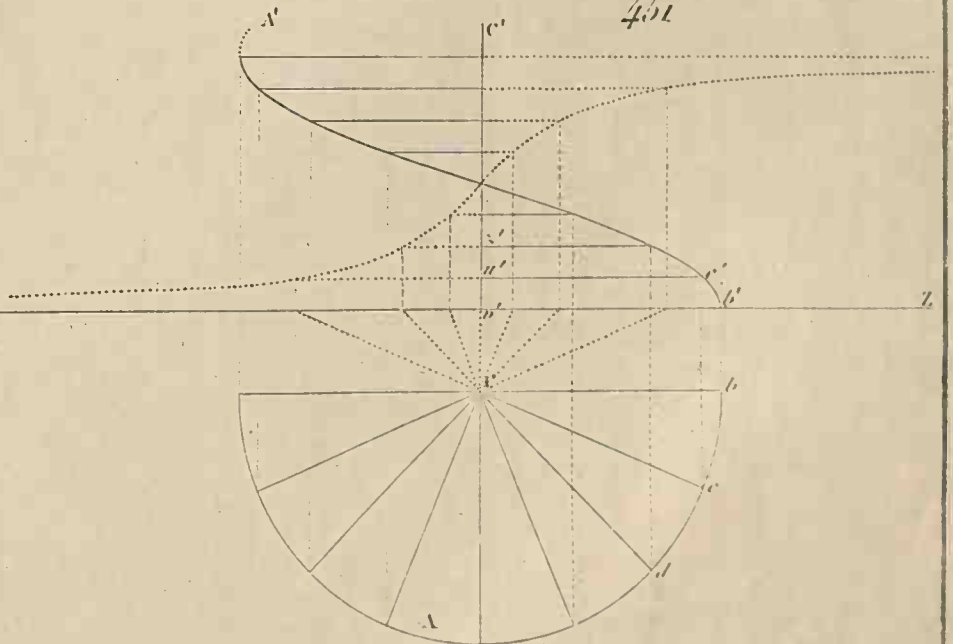
449



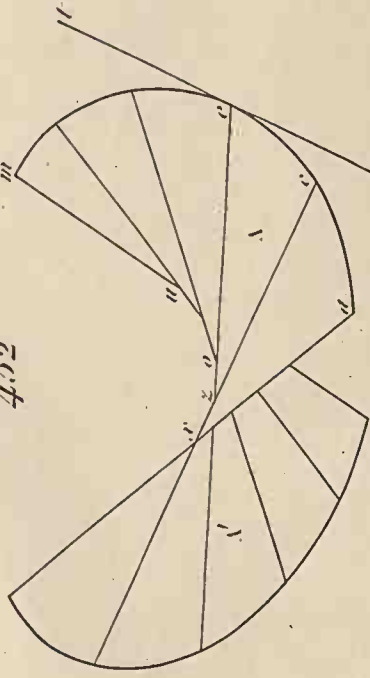
450



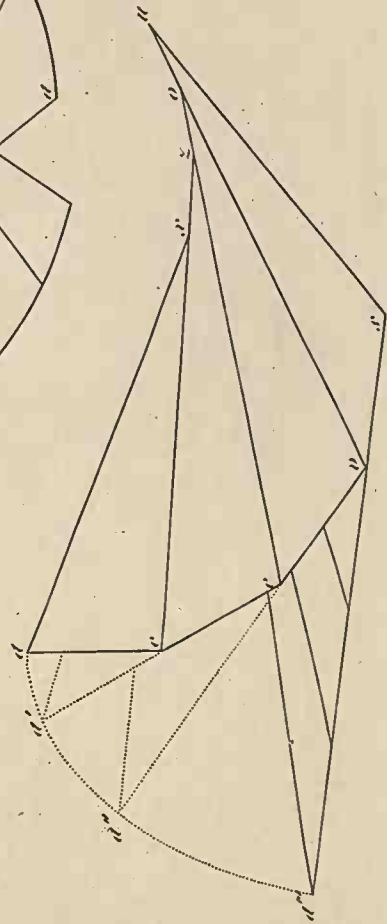
451



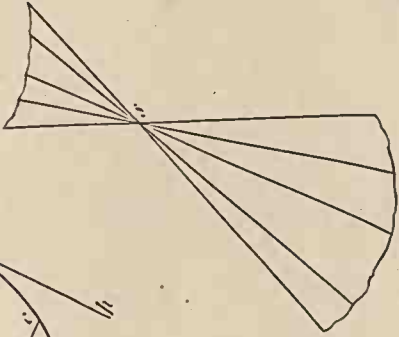
452



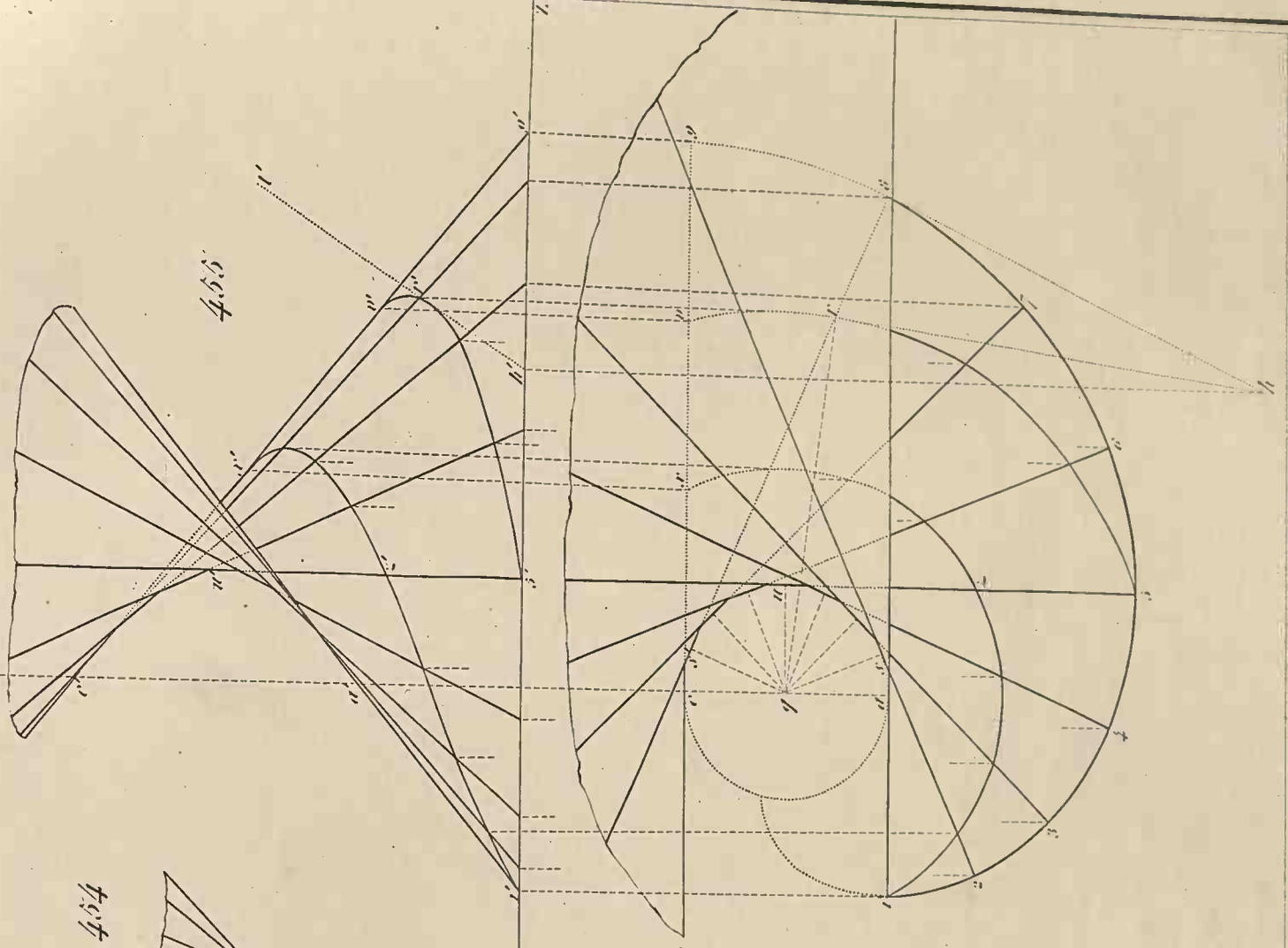
453



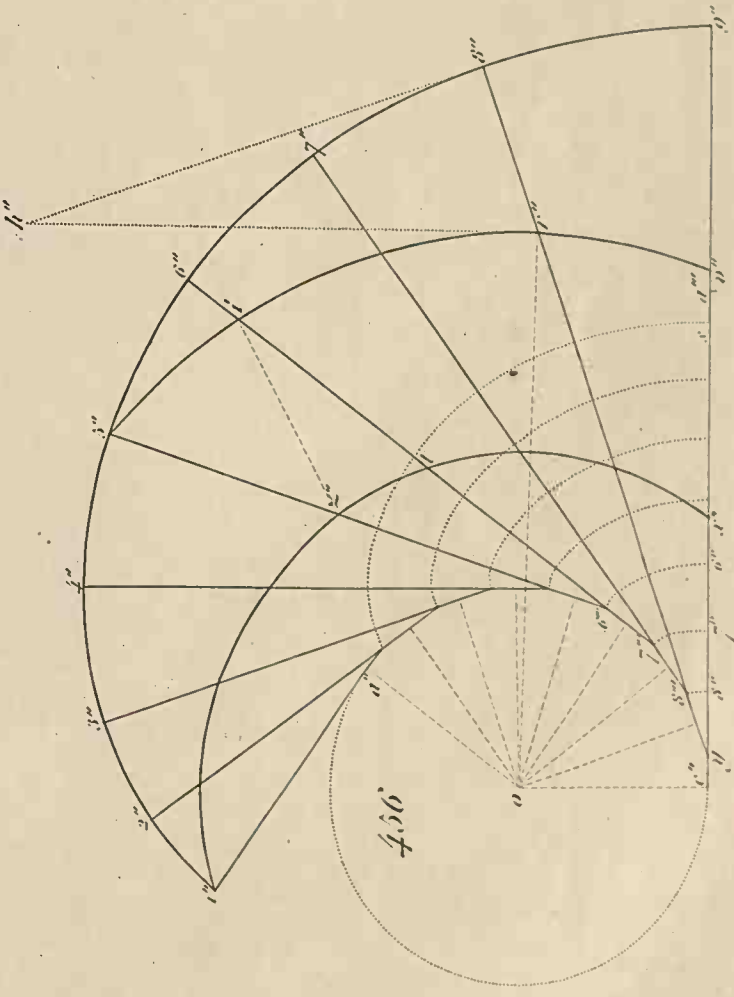
454



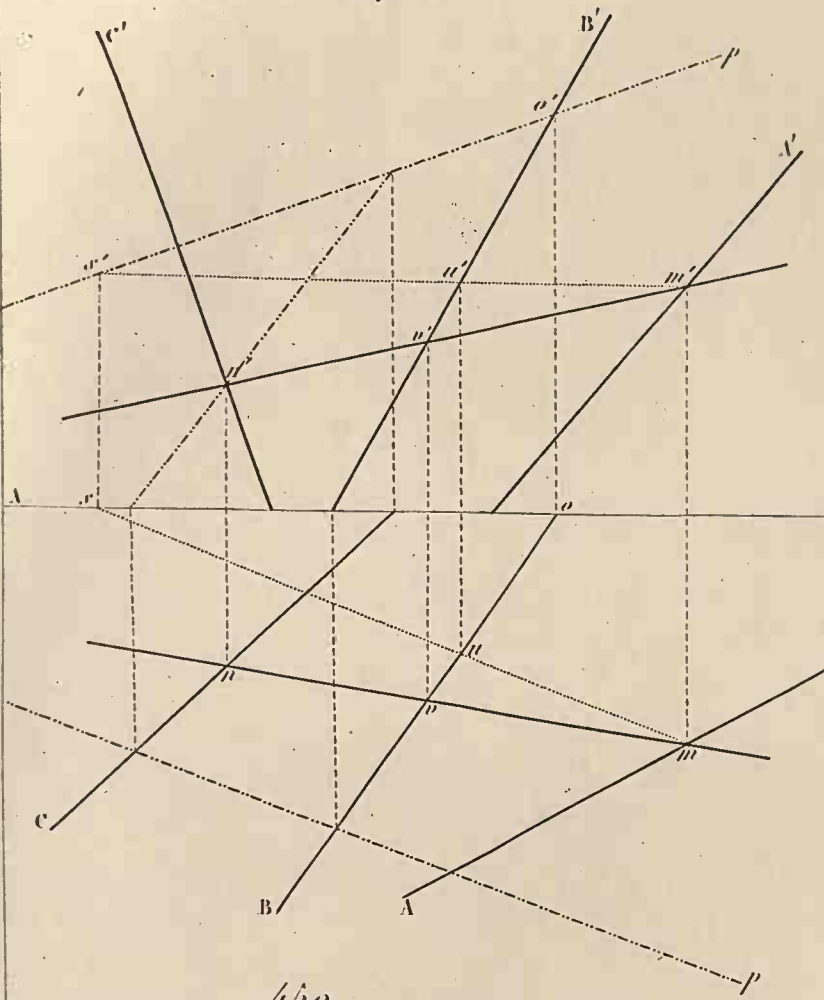
455



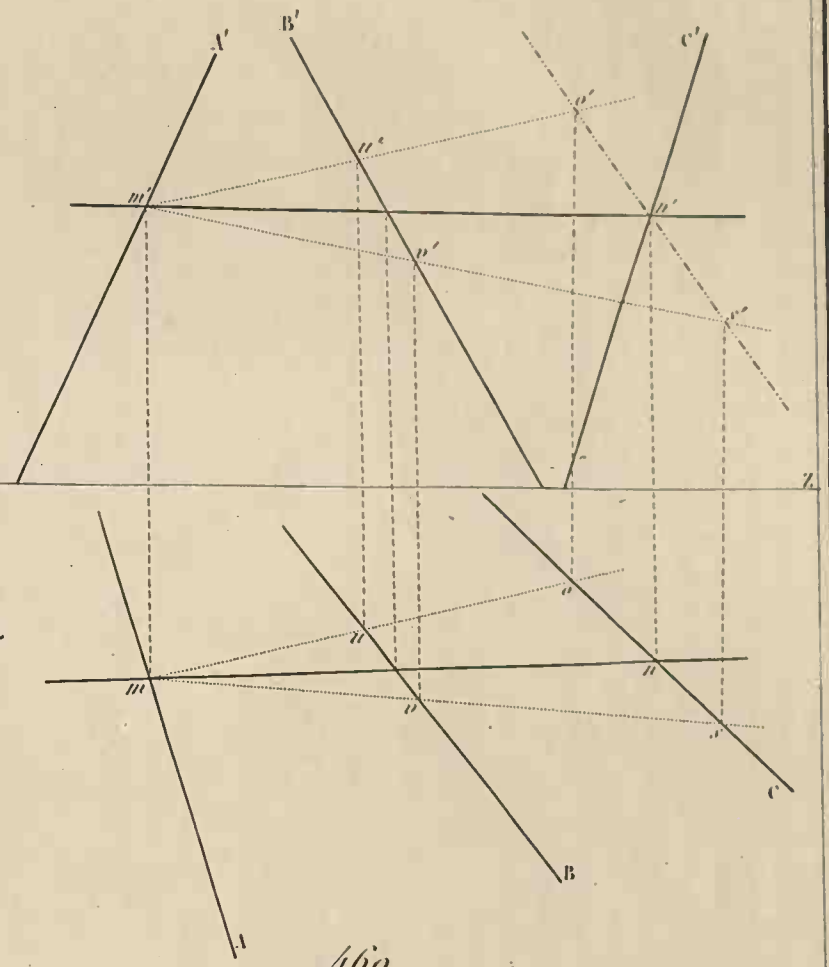
456



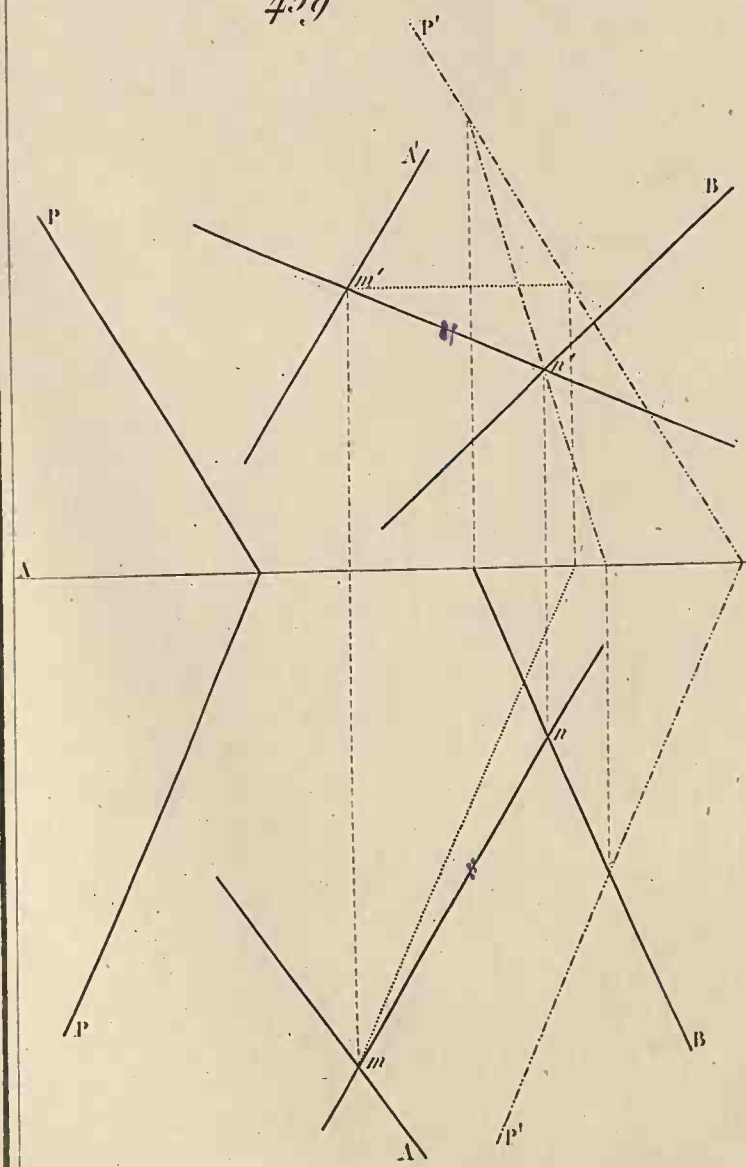
457



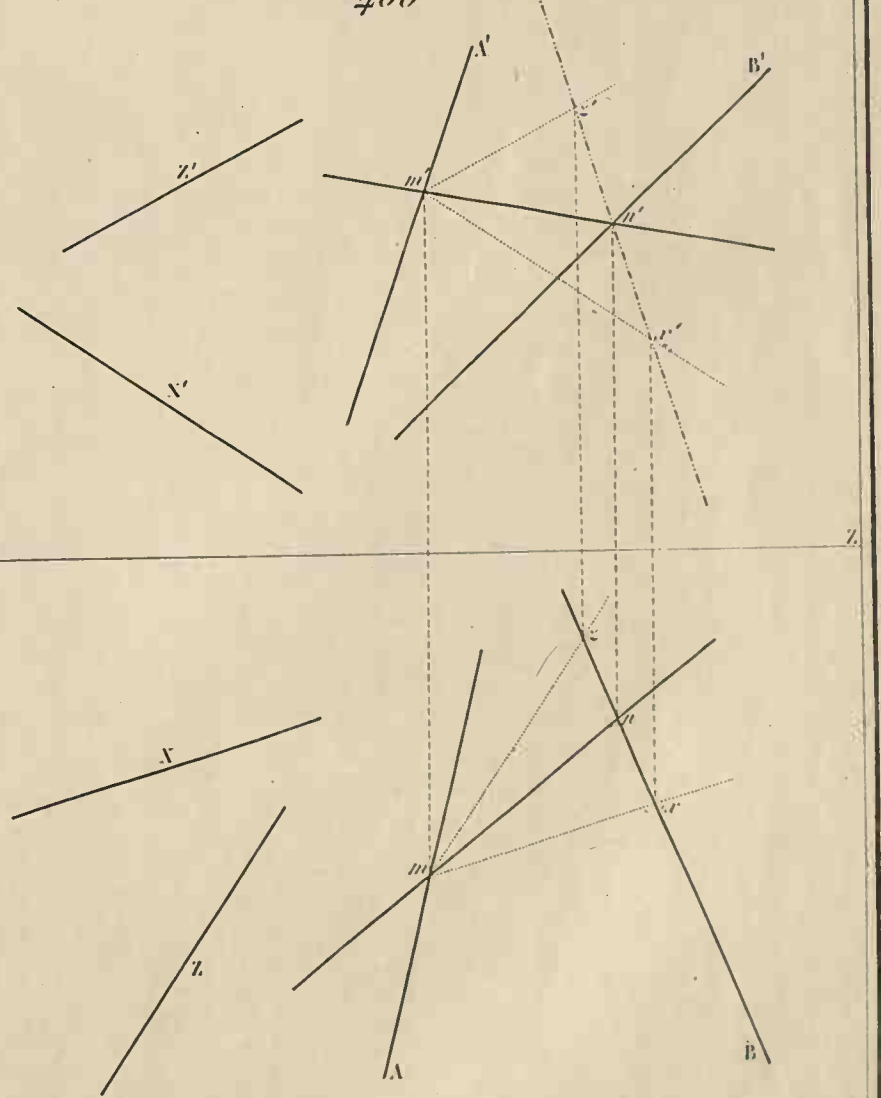
458

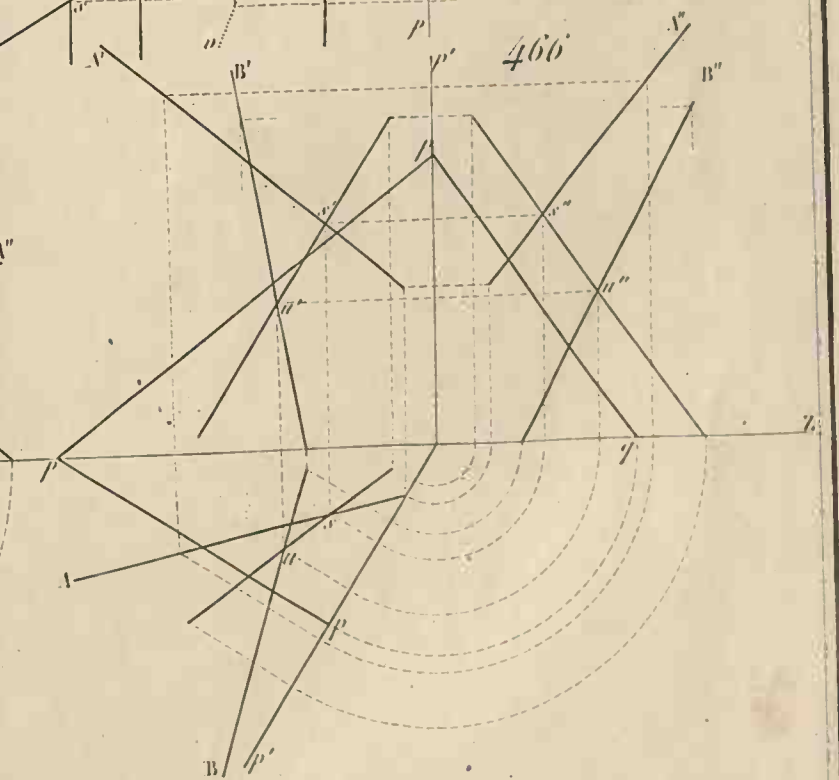
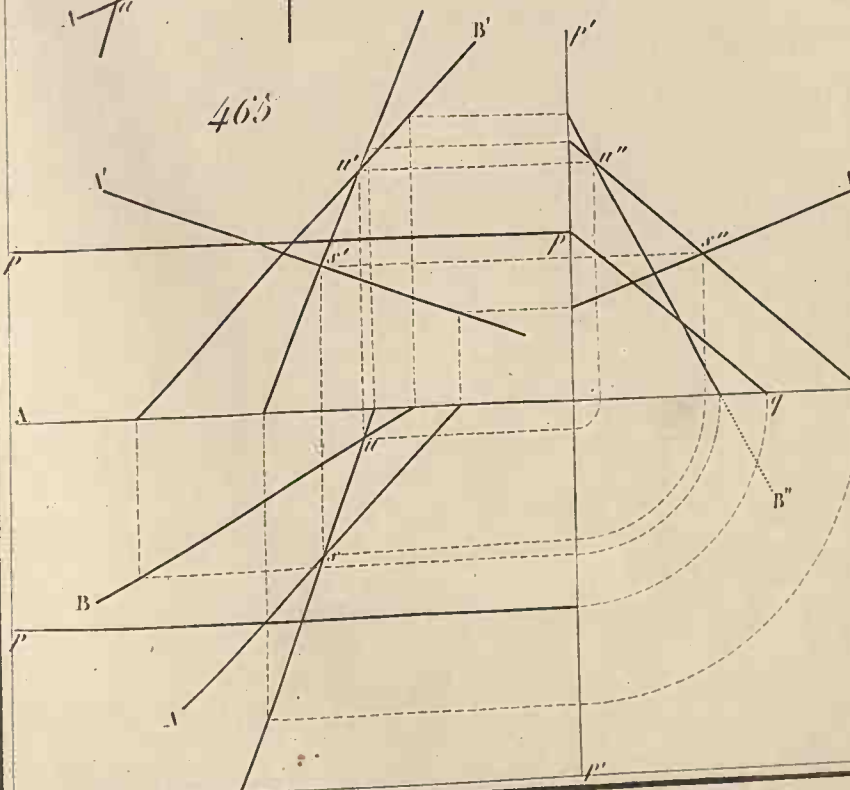
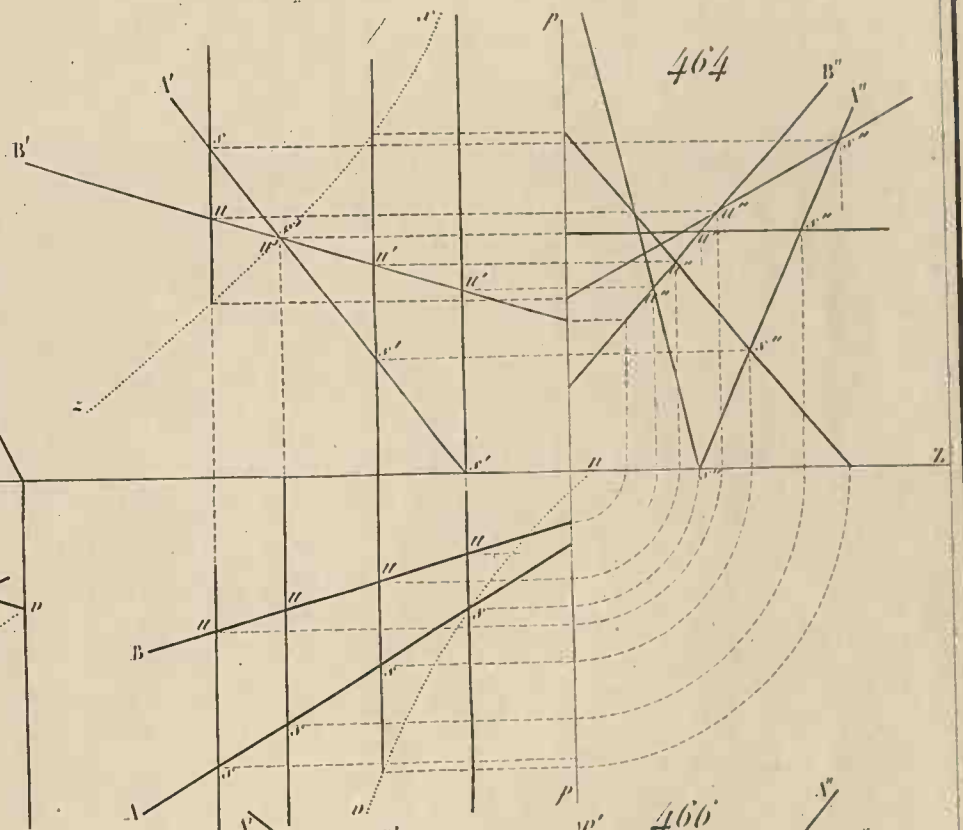
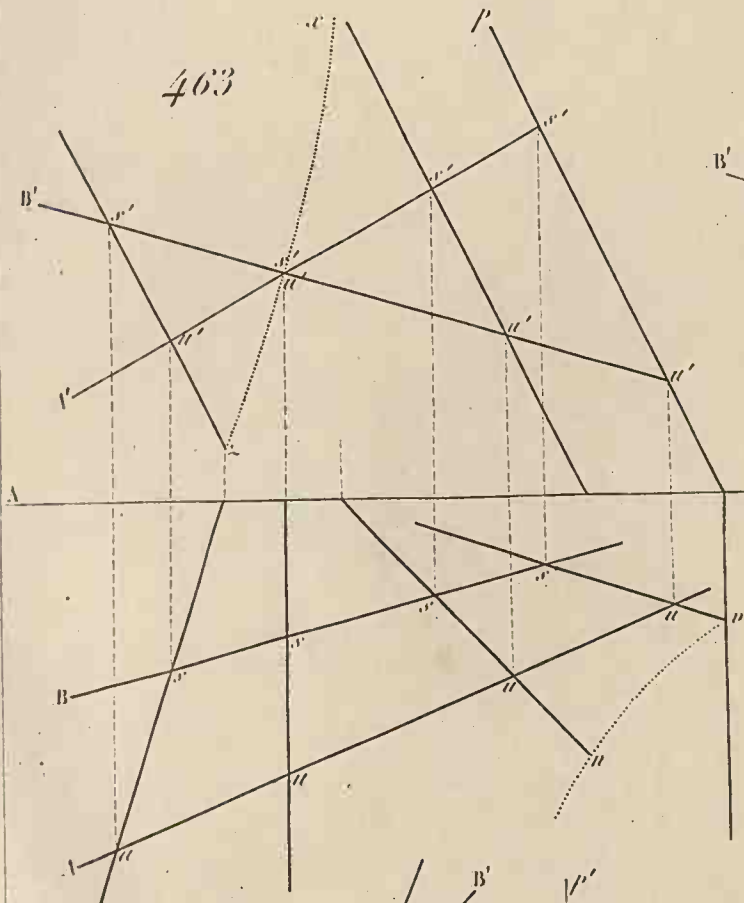
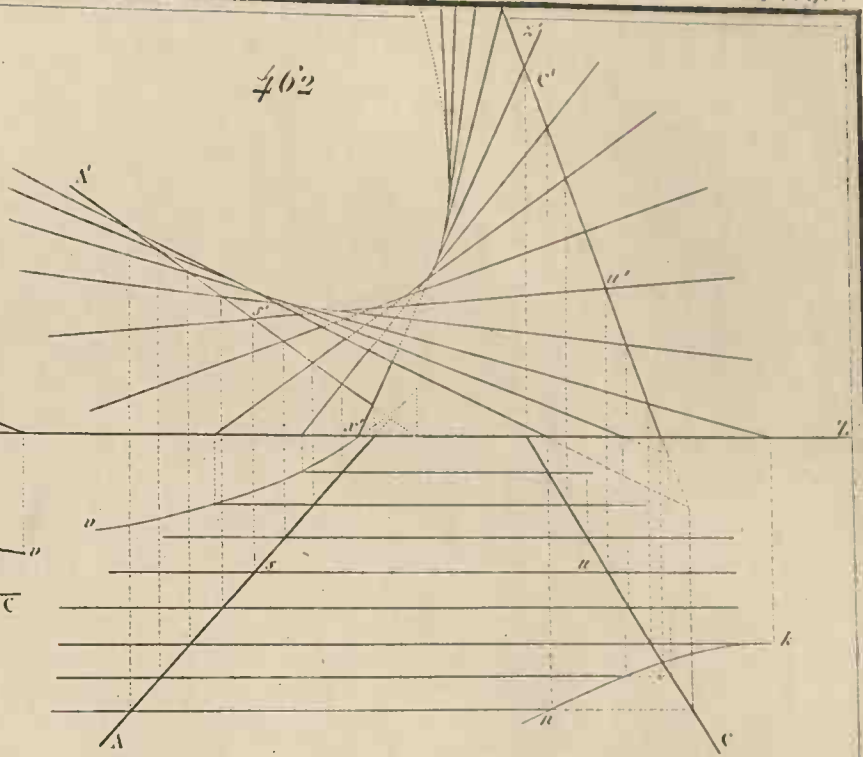
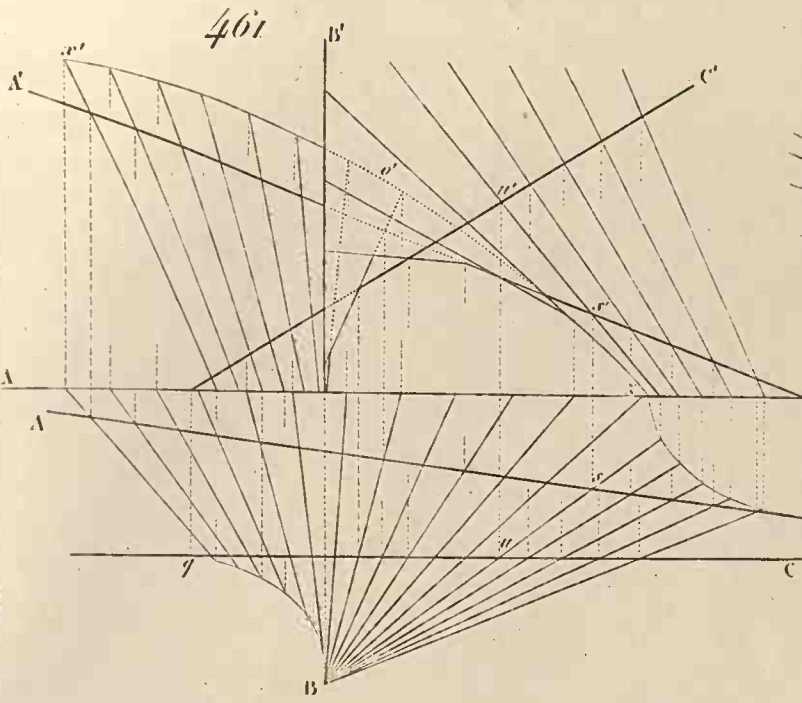


459

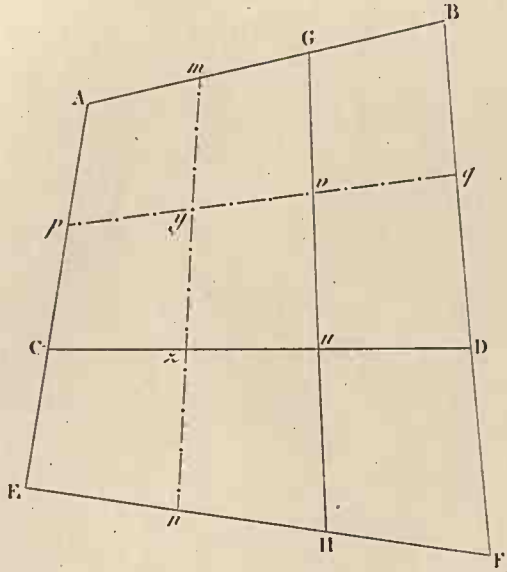


460

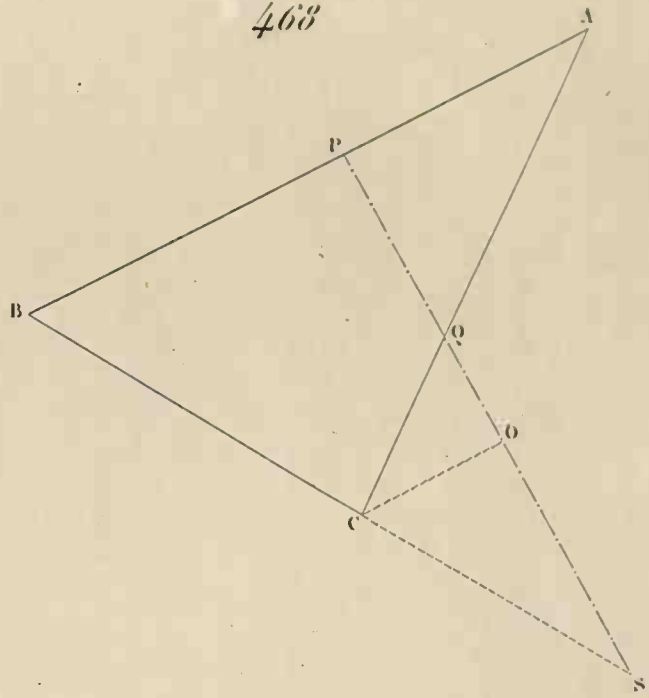




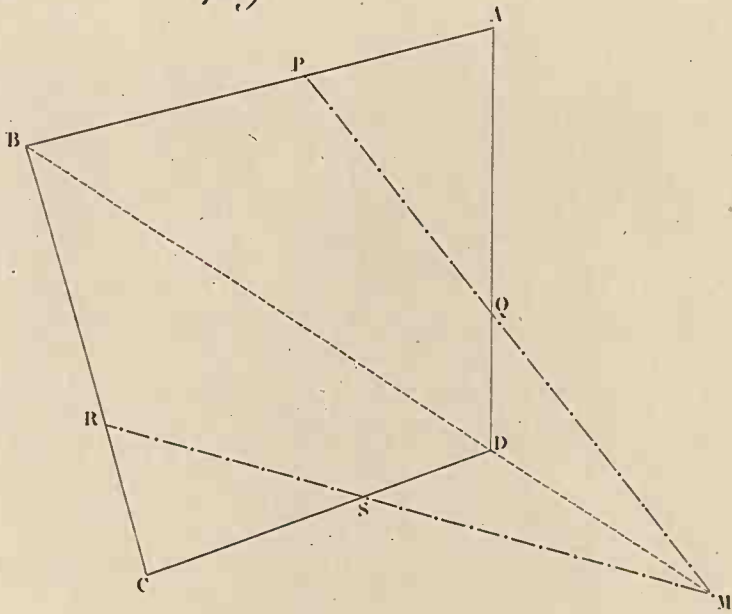
467



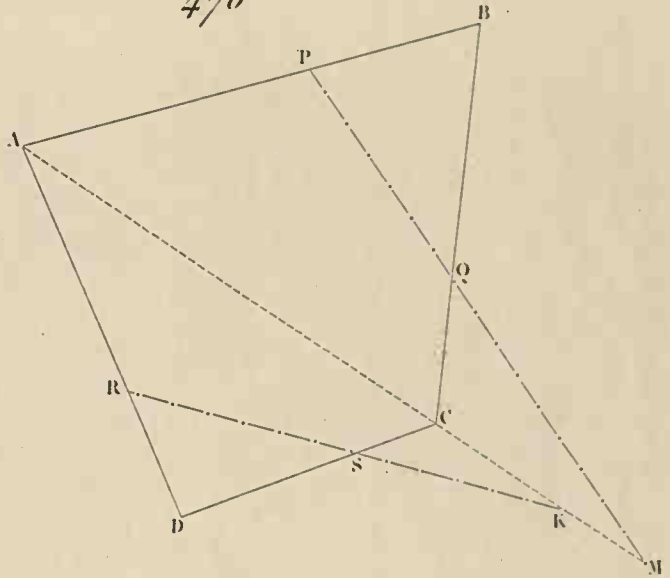
468



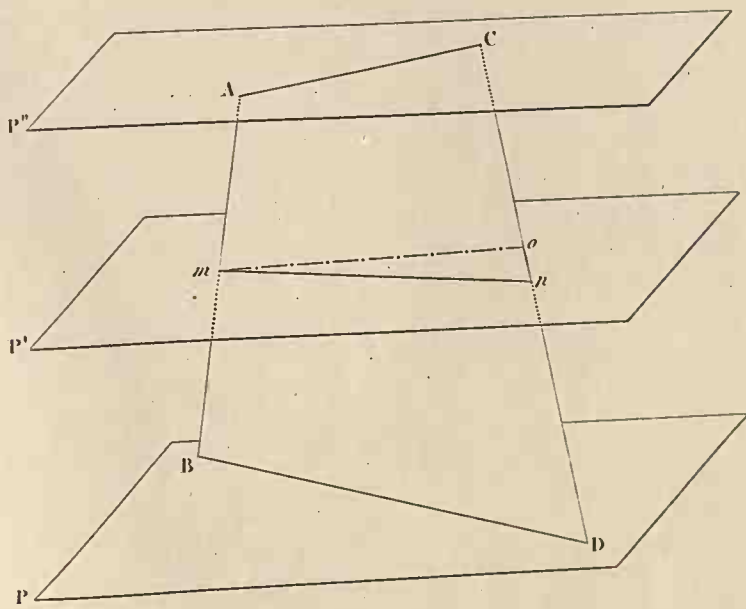
469



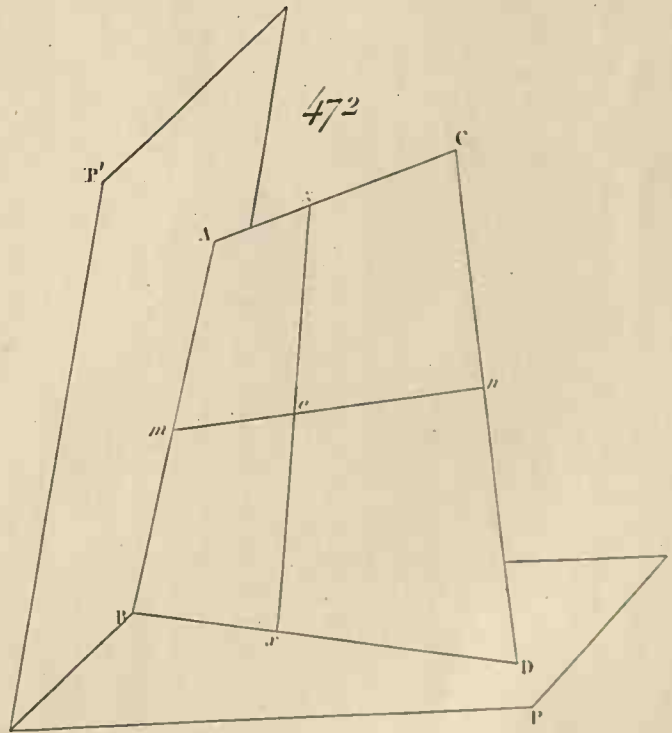
470

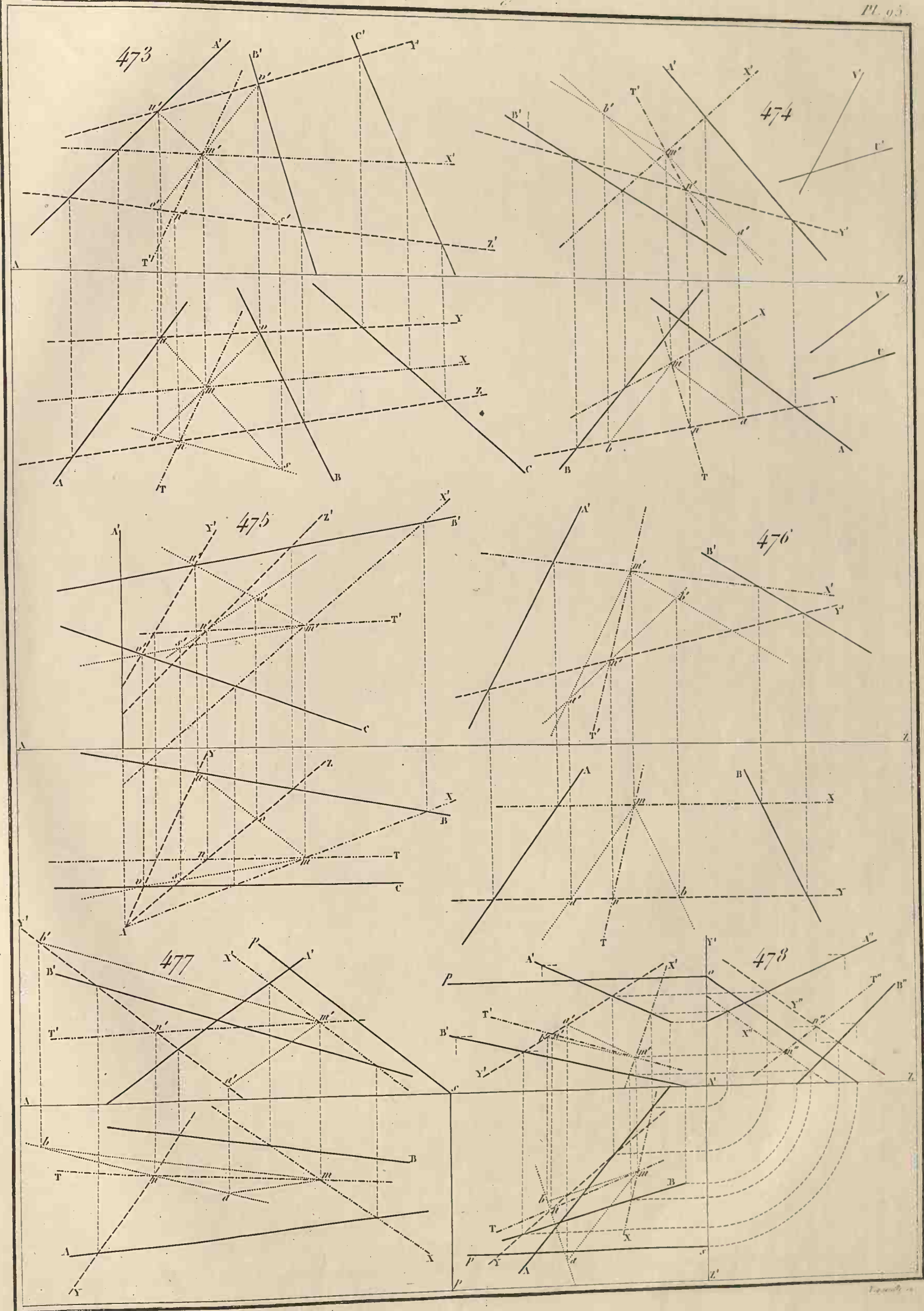


471

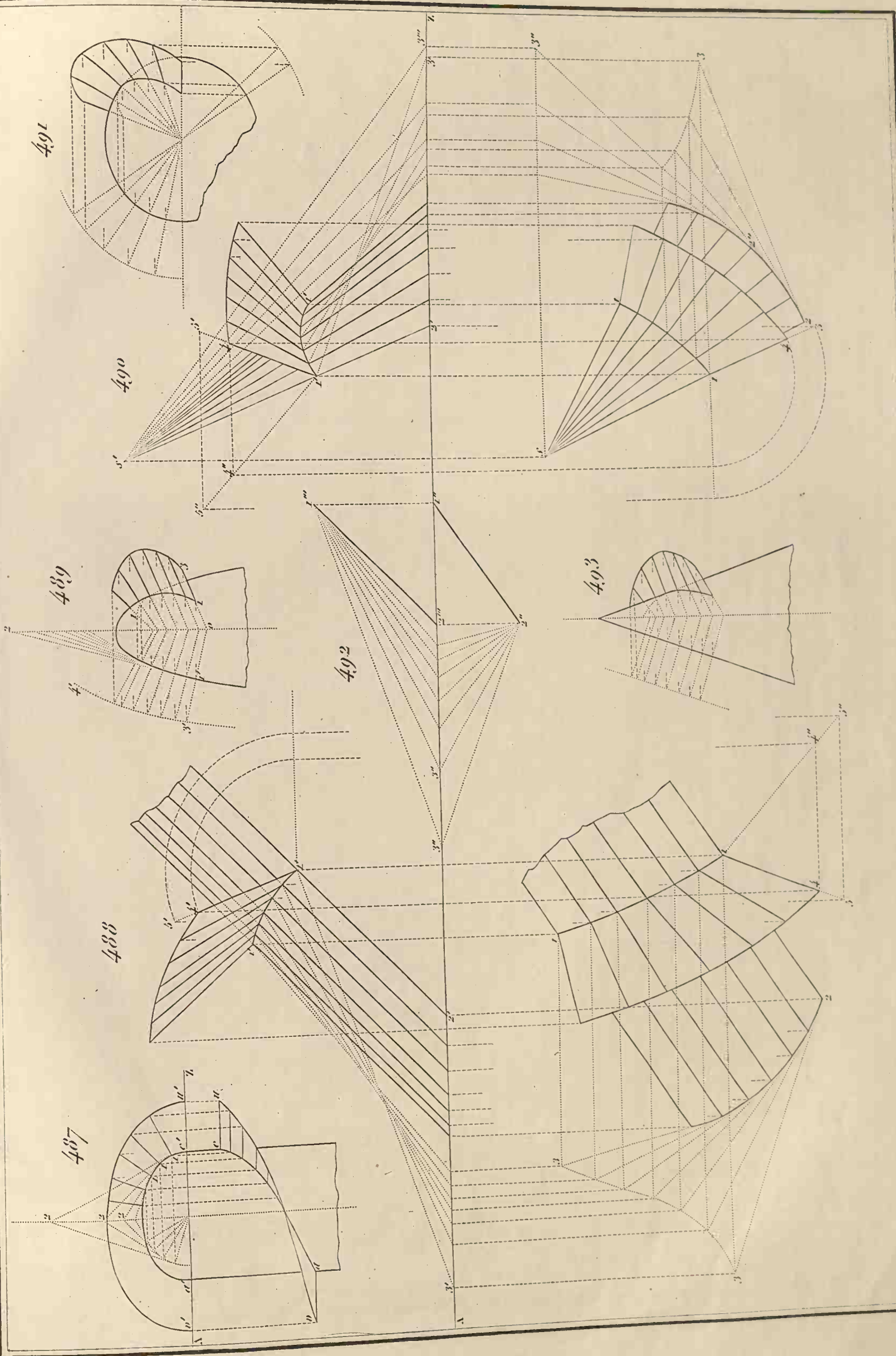


472

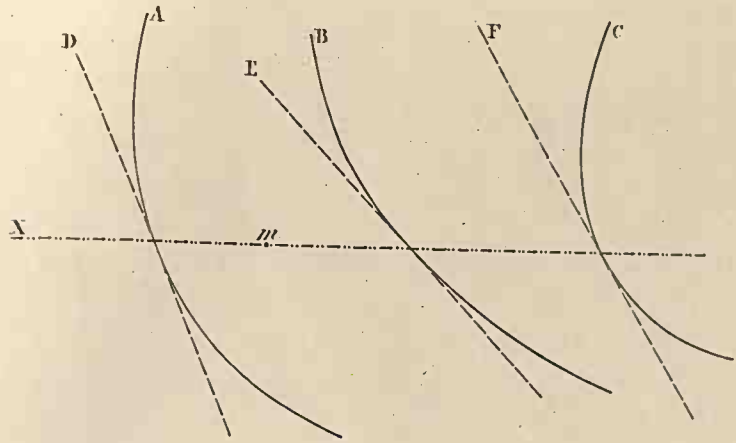




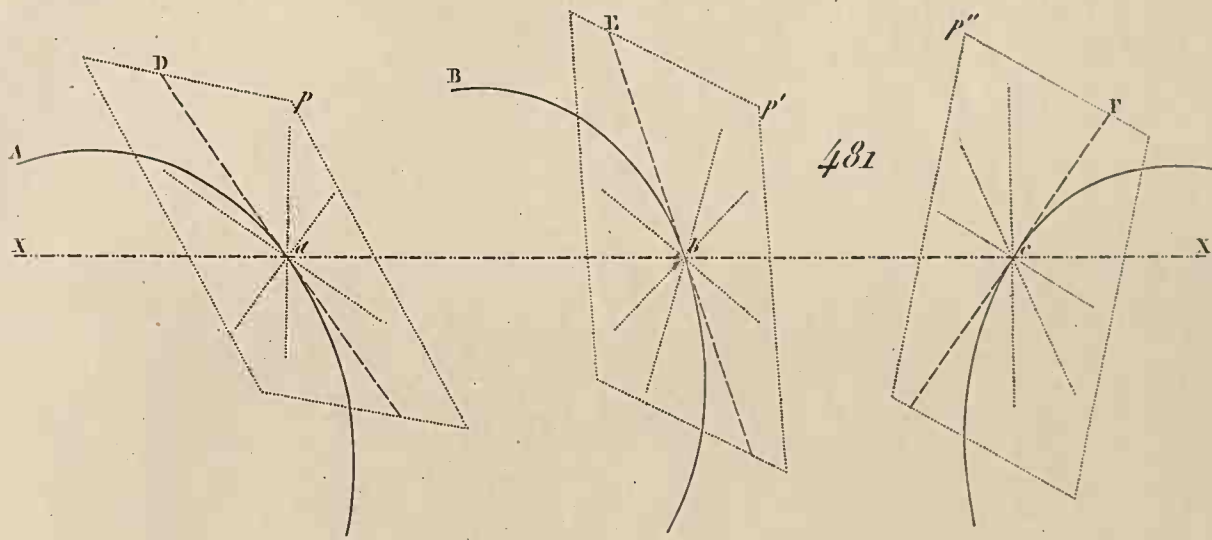
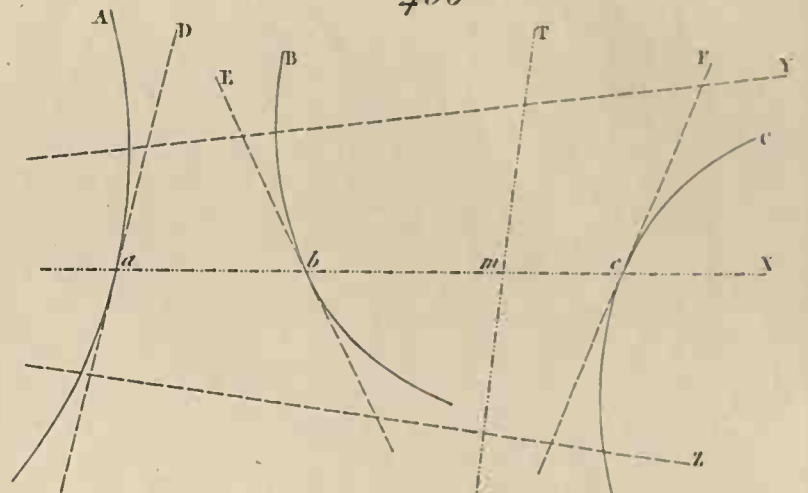
Géométrie descriptive.



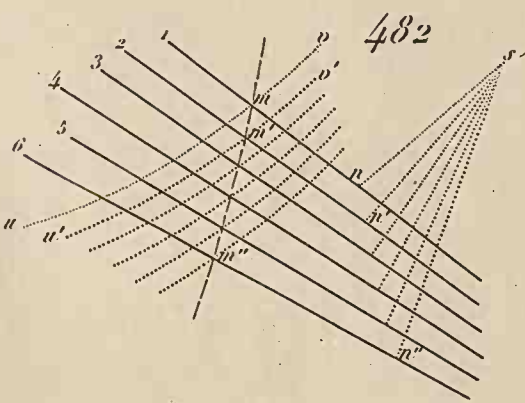
479



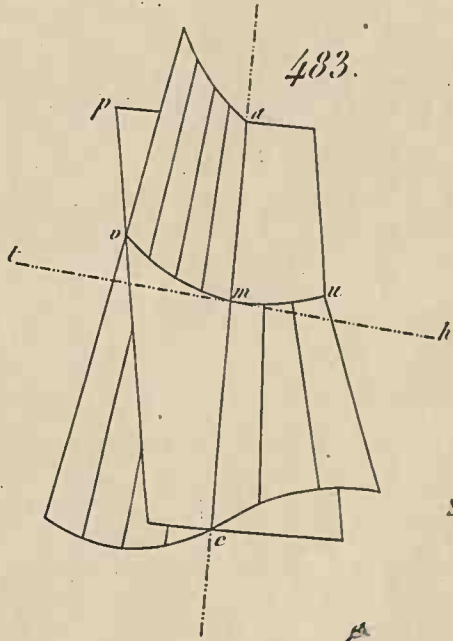
480



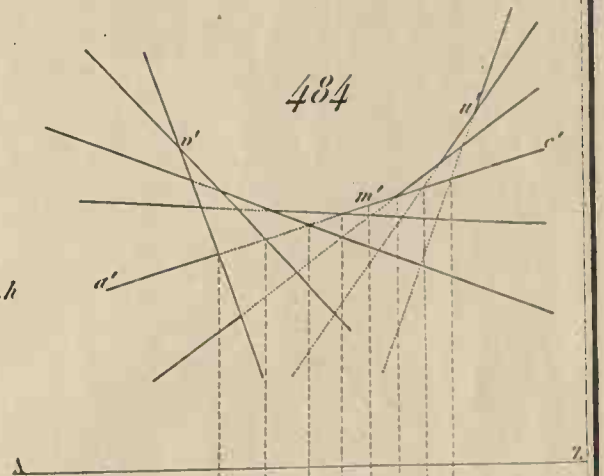
481



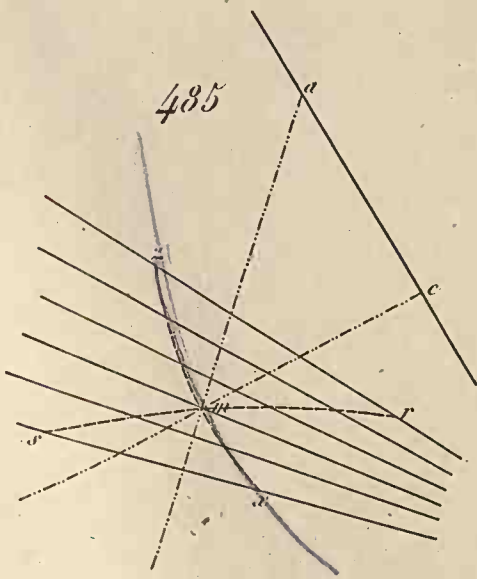
482



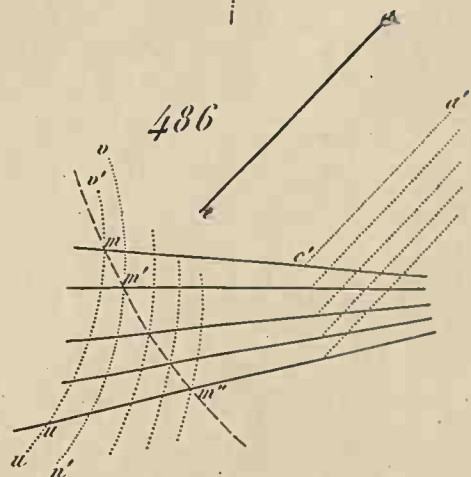
483



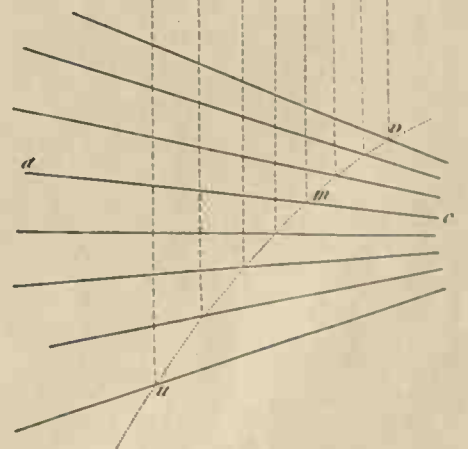
484



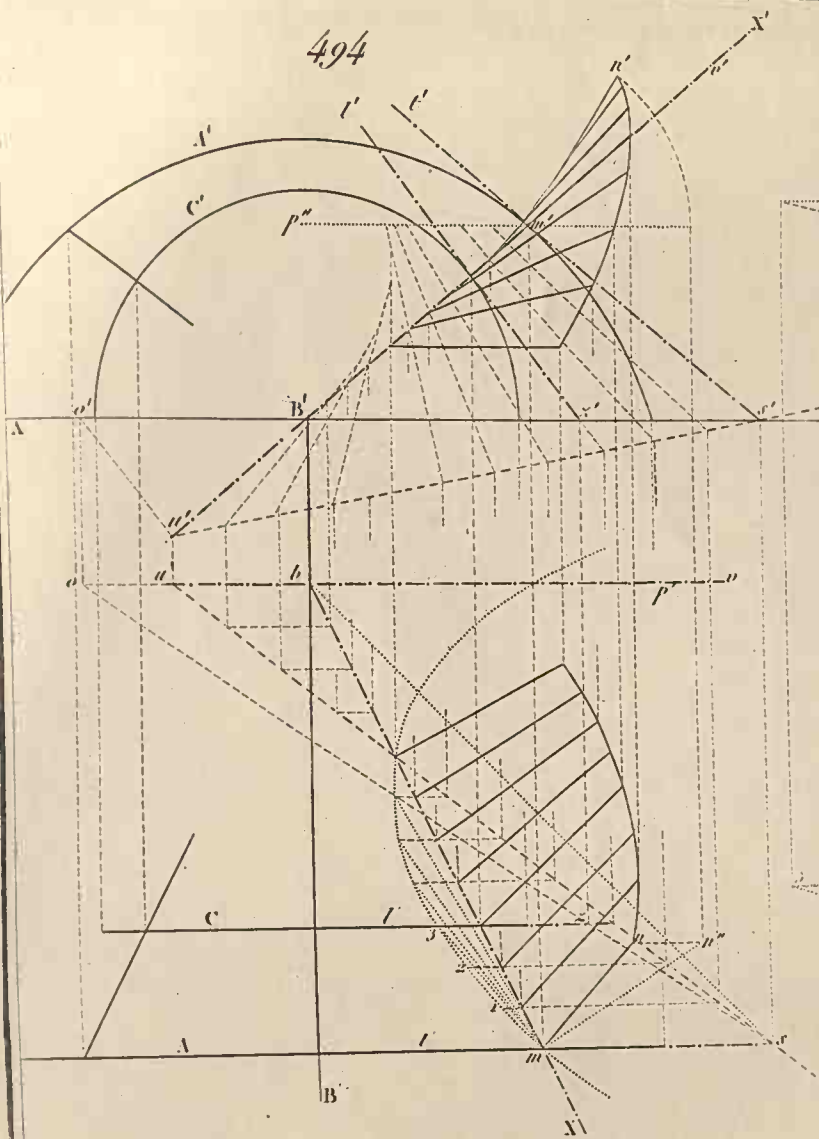
485



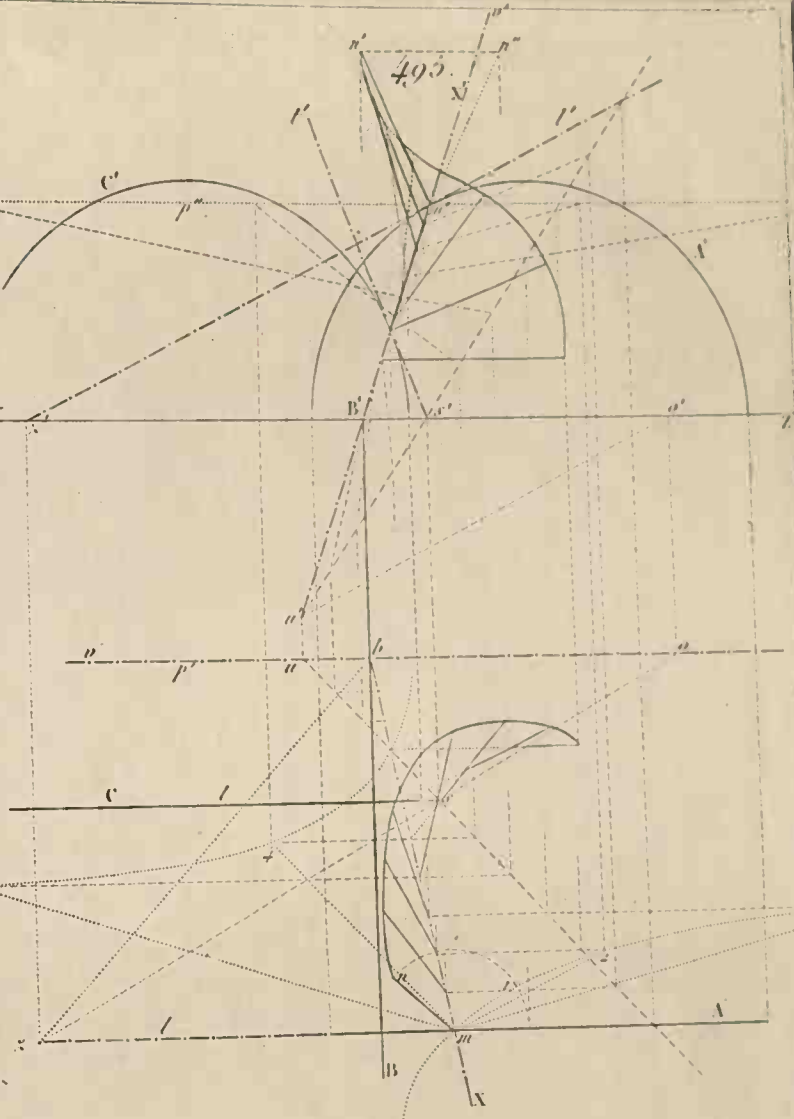
486



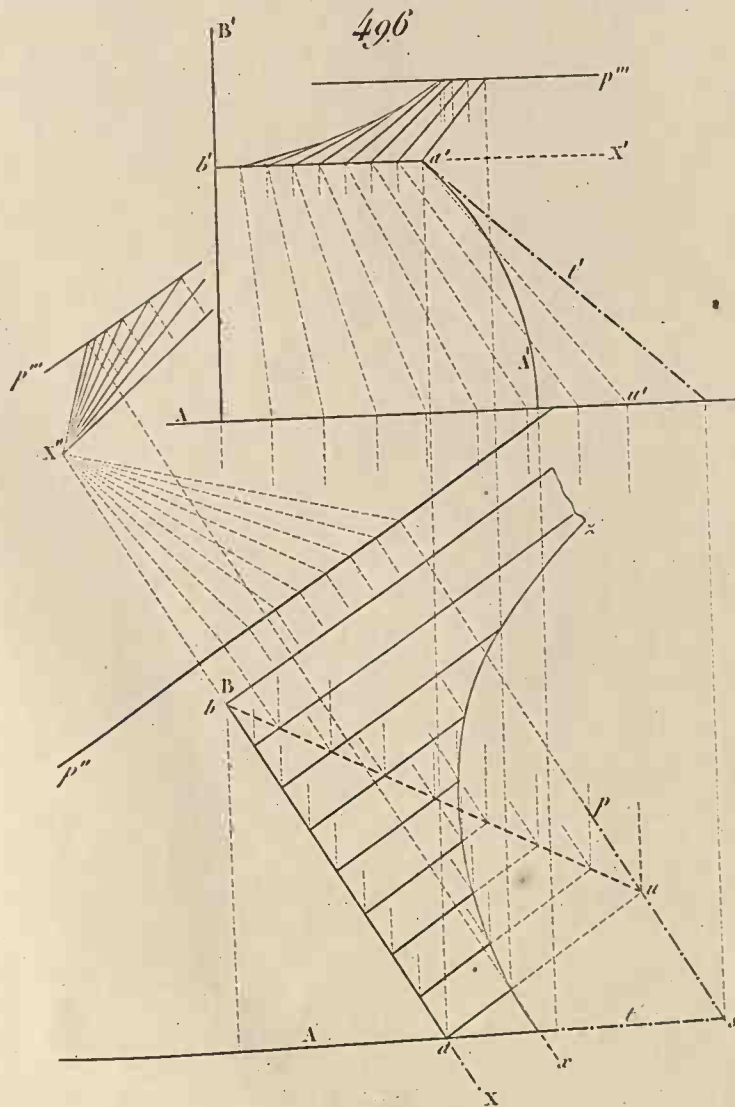
494



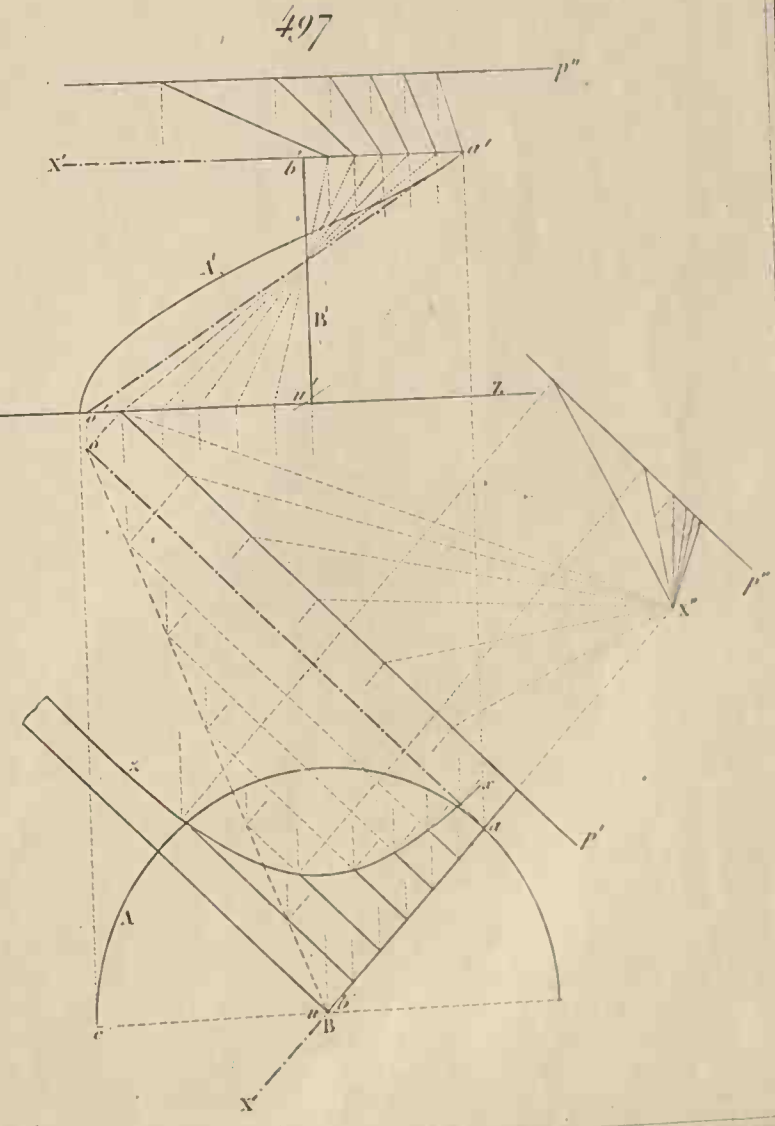
495

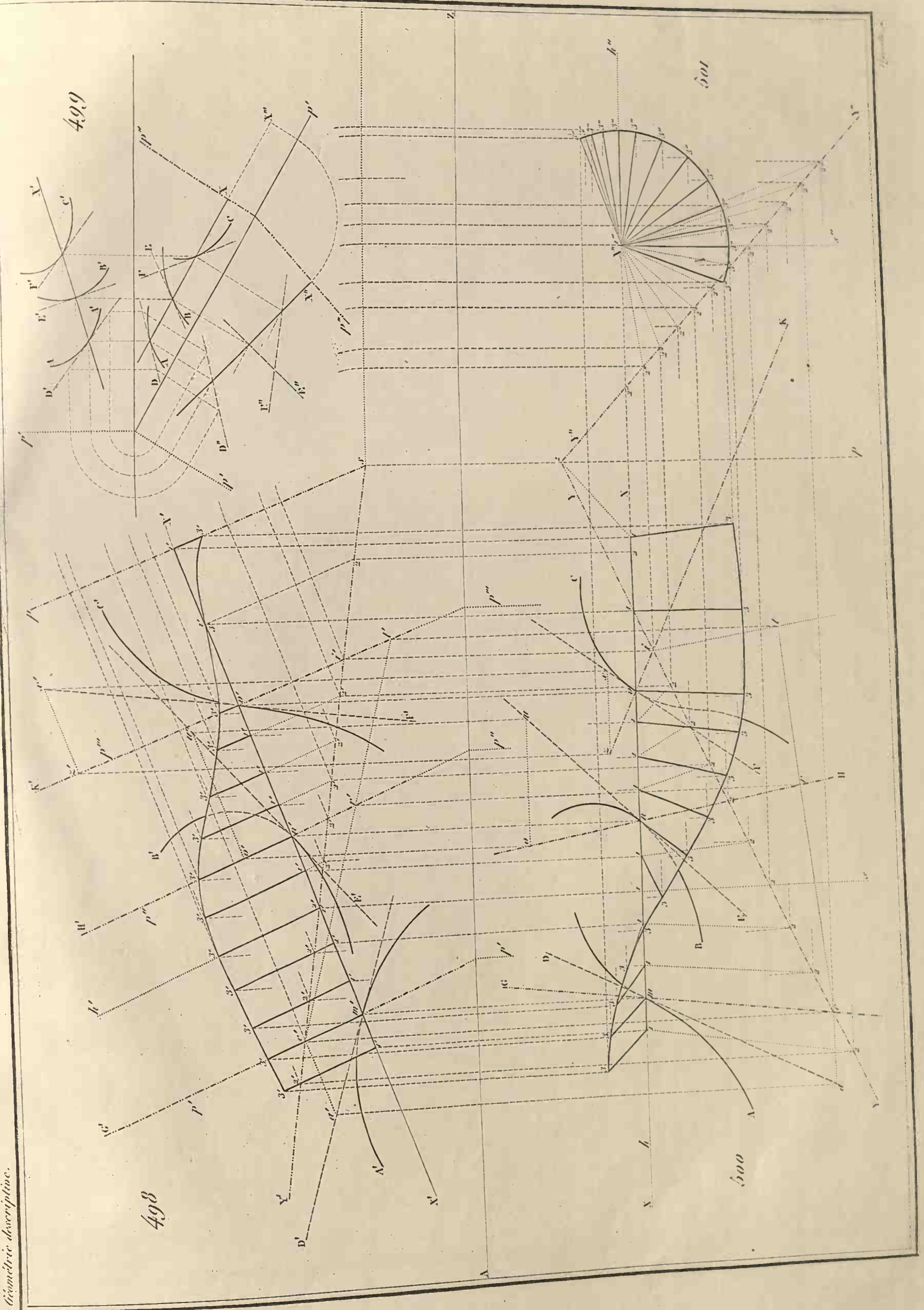


496



497





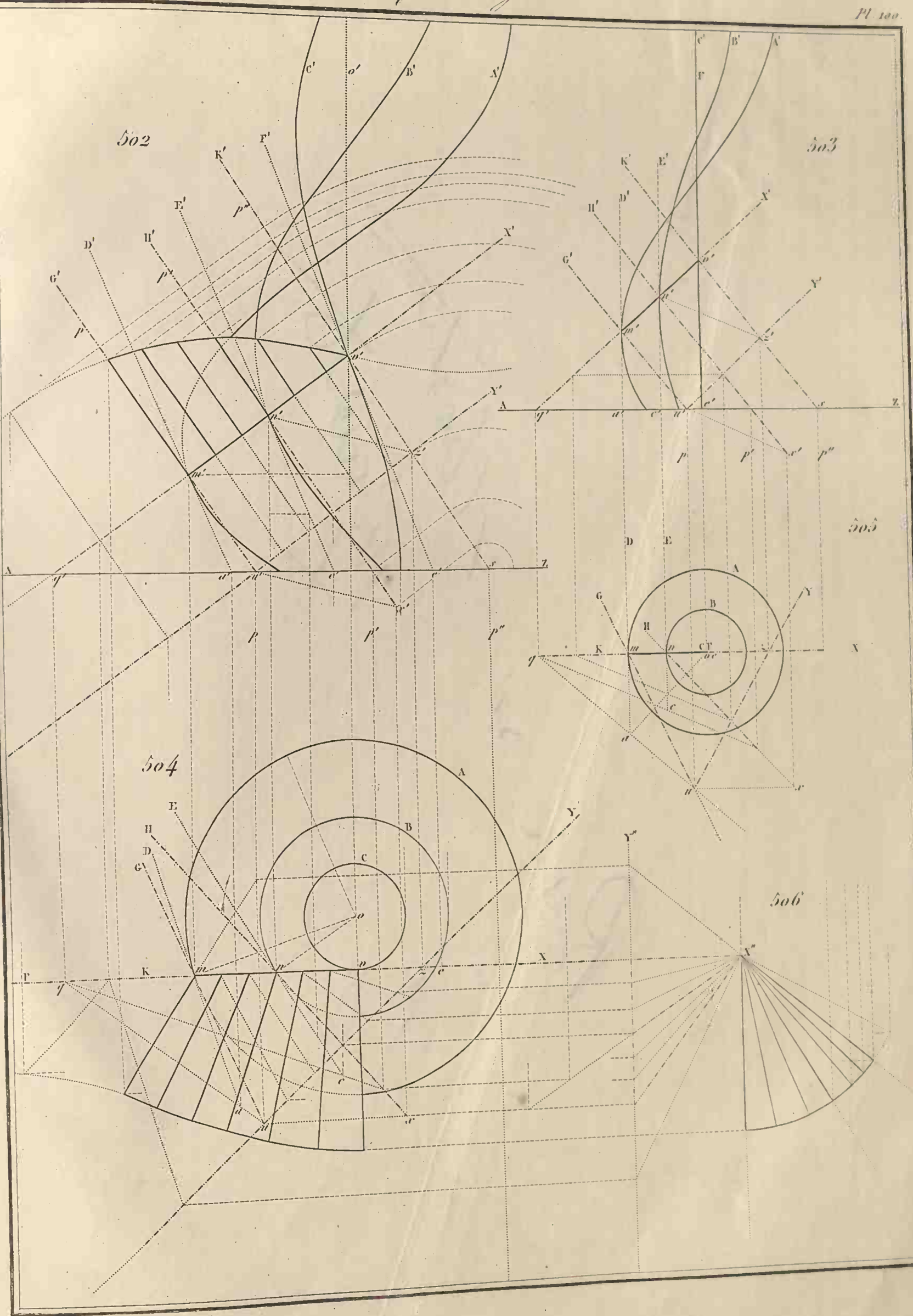
502

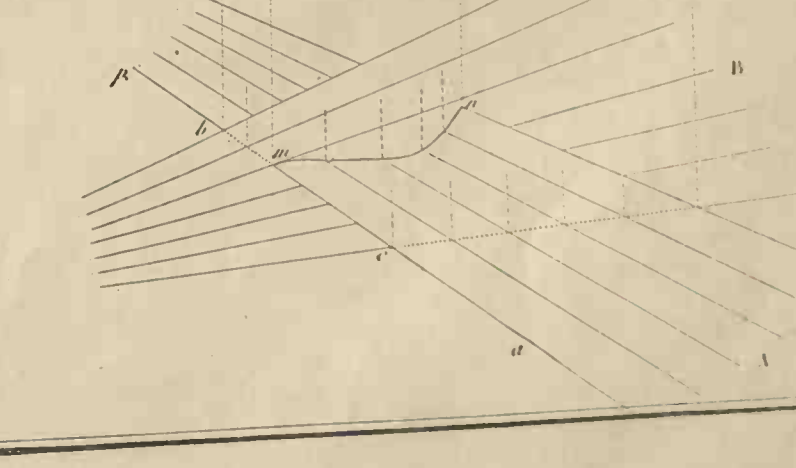
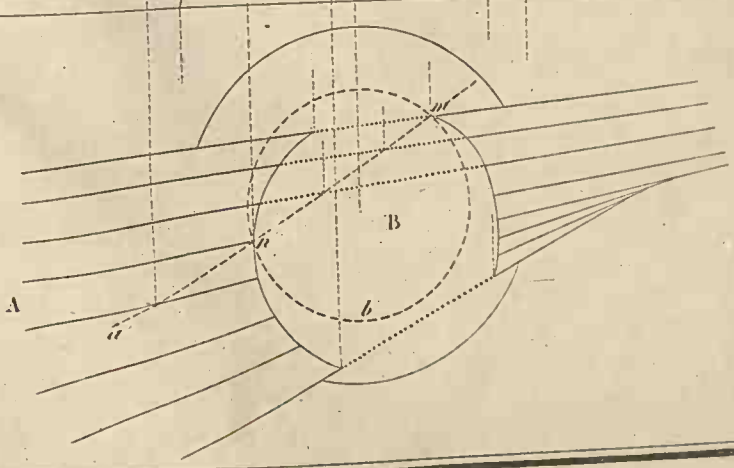
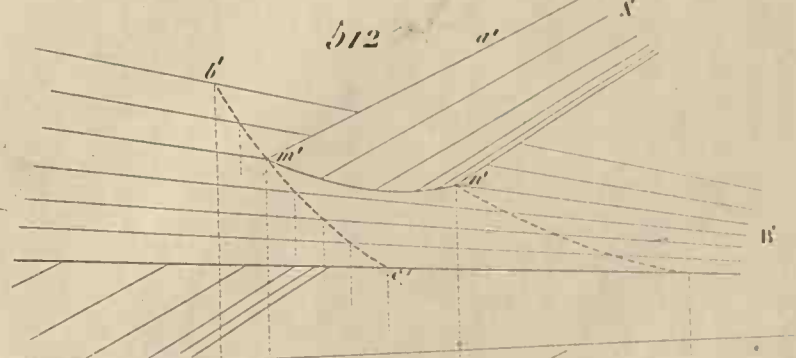
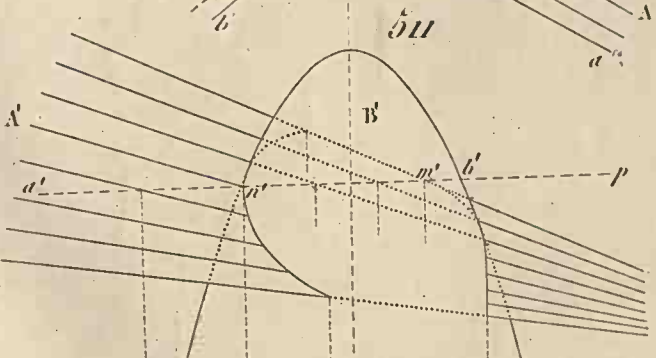
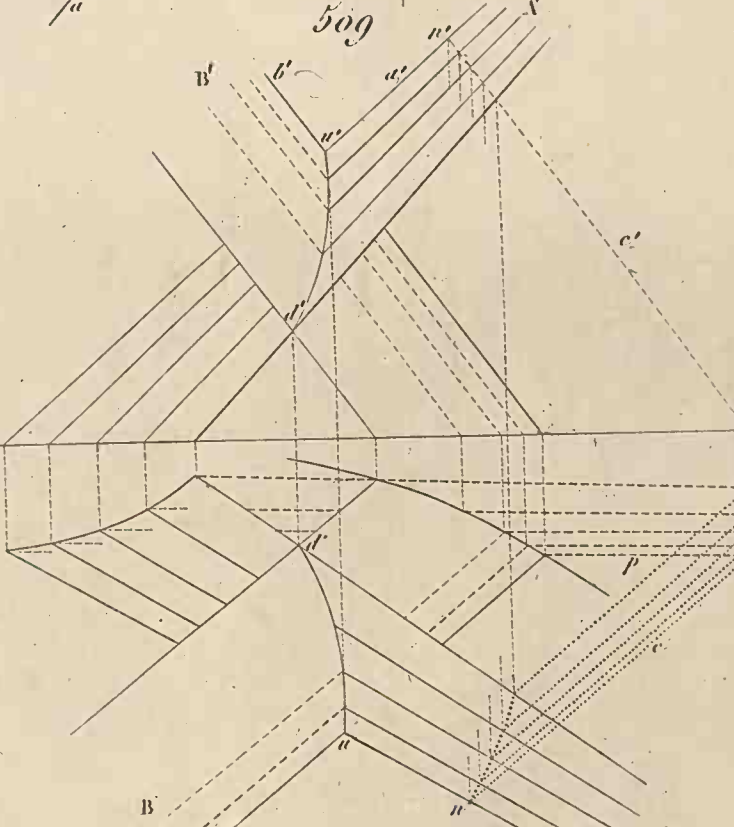
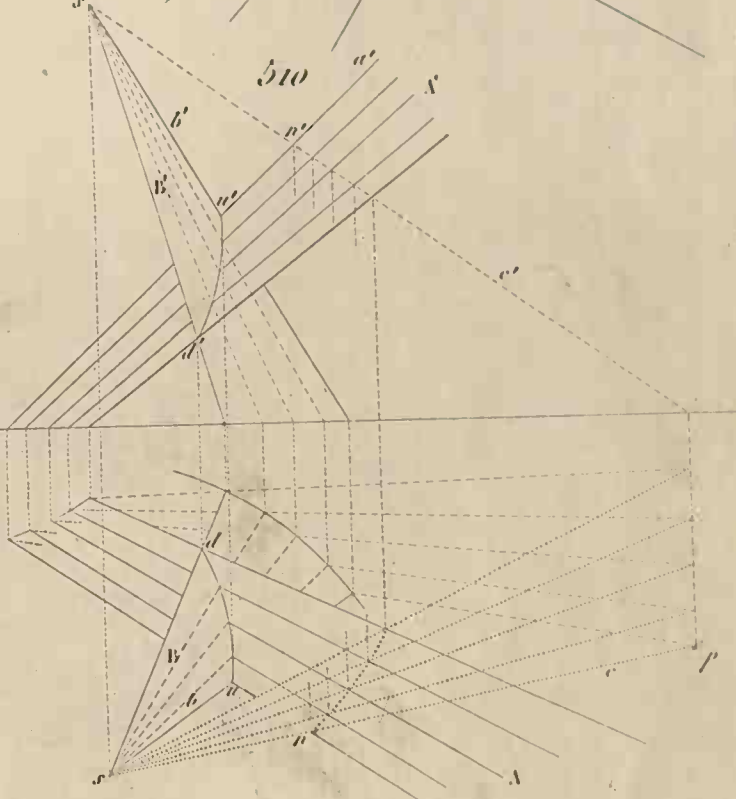
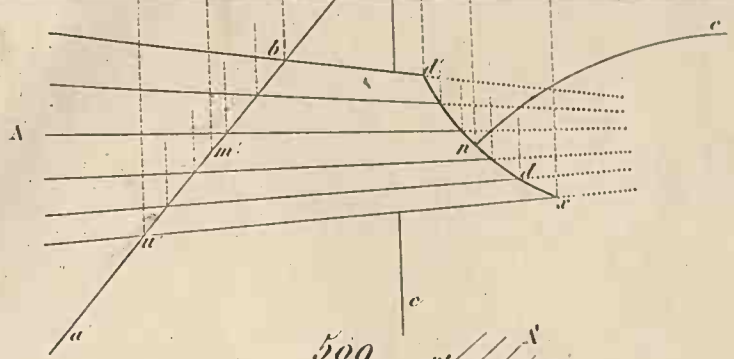
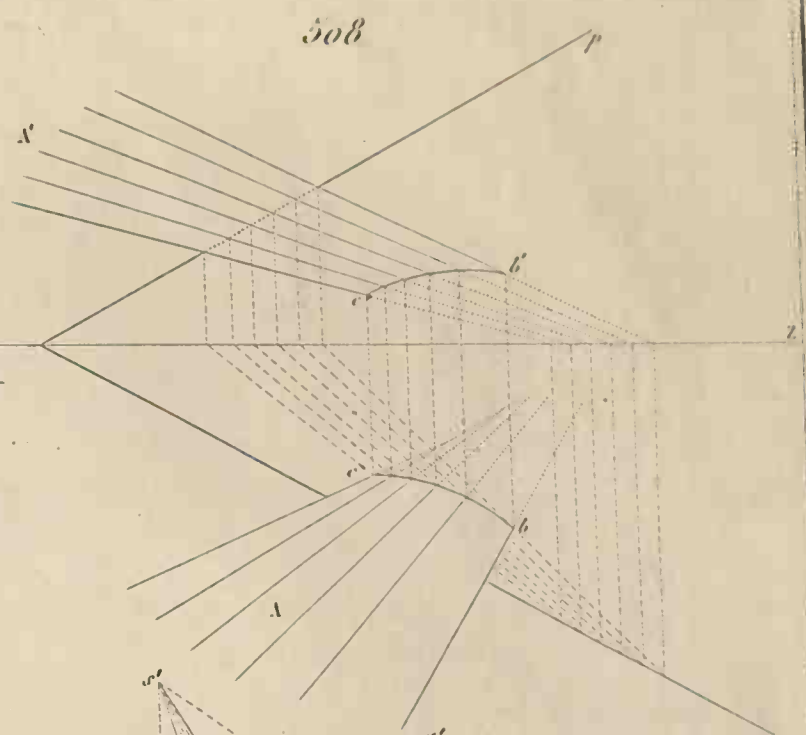
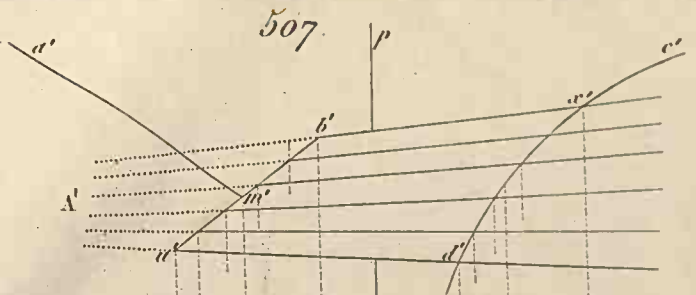
503

505

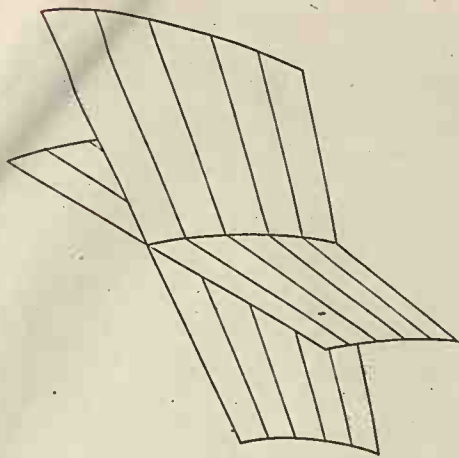
504

506

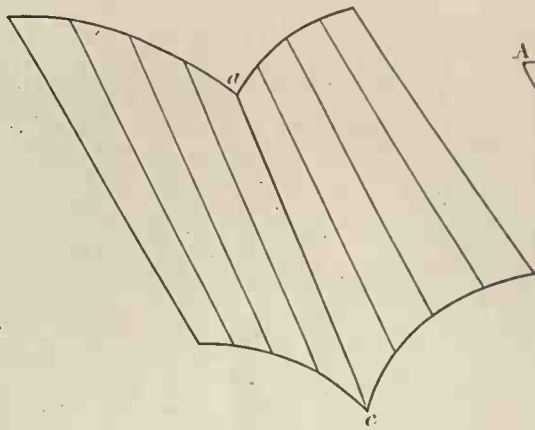




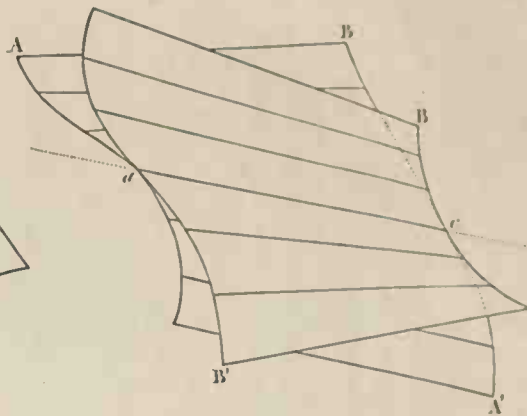
513



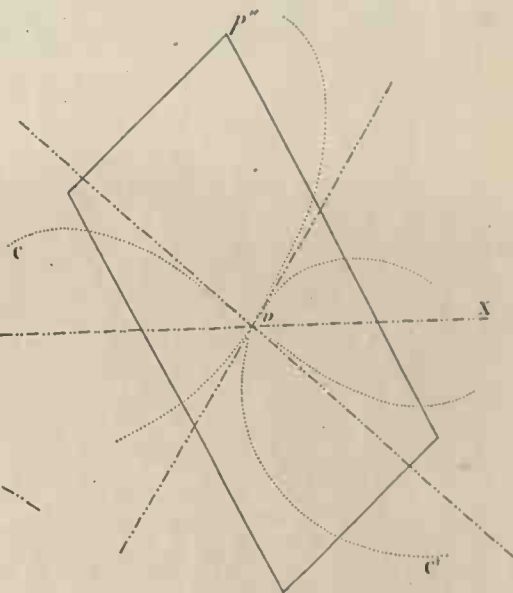
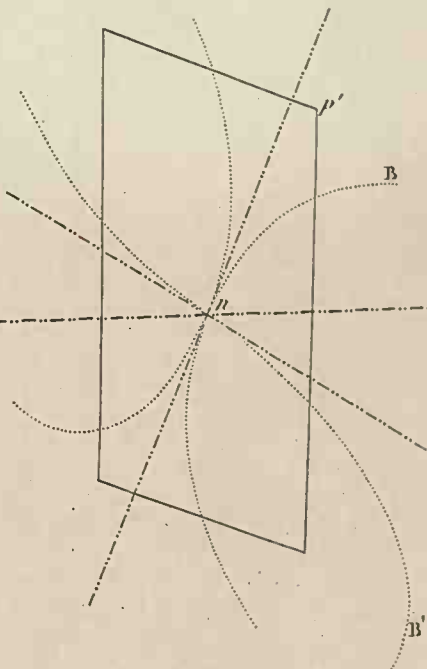
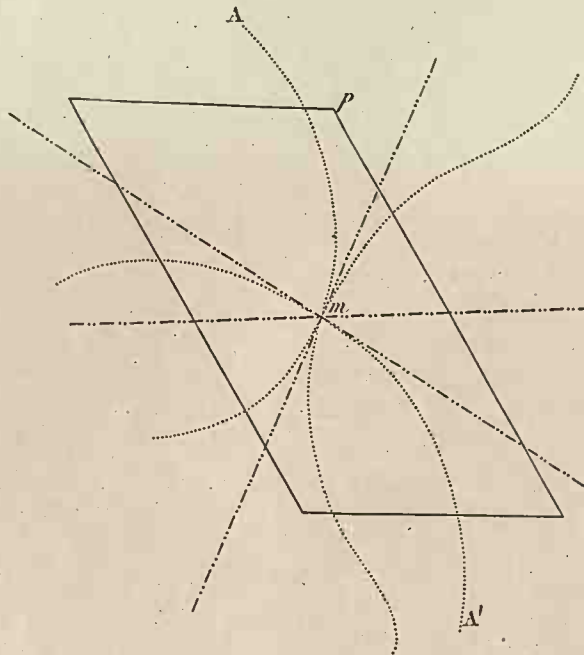
514



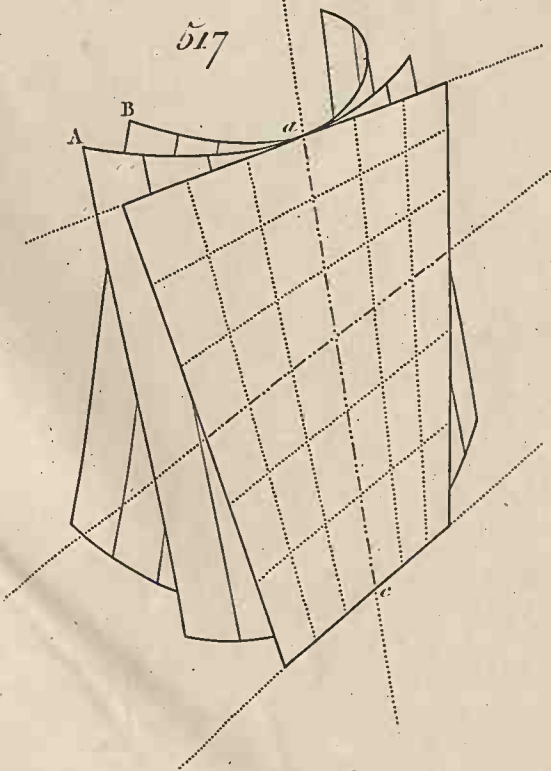
515



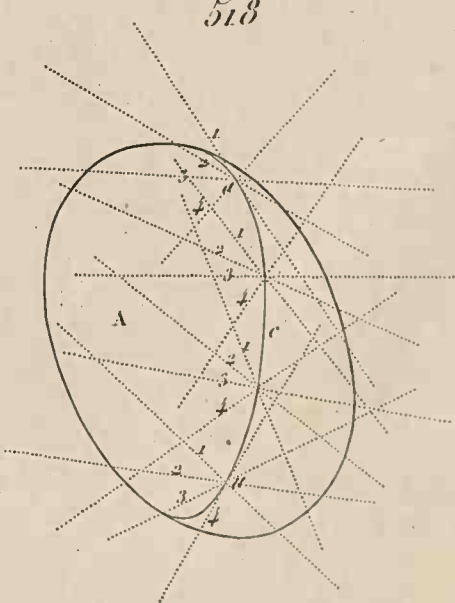
516



517



518



519

