

DIE TECHNOLOGIE
DER
EISENBAHN-WERKSTÄTTEN.

LEHRBUCH FÜR MASCHINEN-TECHNIKER

VON

F. OBERSTADT,

Obermaschinenmeister und Director der Central-Eisenbahn-Werkstätten der Niederländischen Staats-Eisenbahnen.

MIT VORWORT

VON

DR. E. HARTIG,

K. Regierungsrath und Professor an der technischen Hochschule in Dresden.

ATLAS.

WIESBADEN.

C. W. KREIDEL'S VERLAG.

1881.

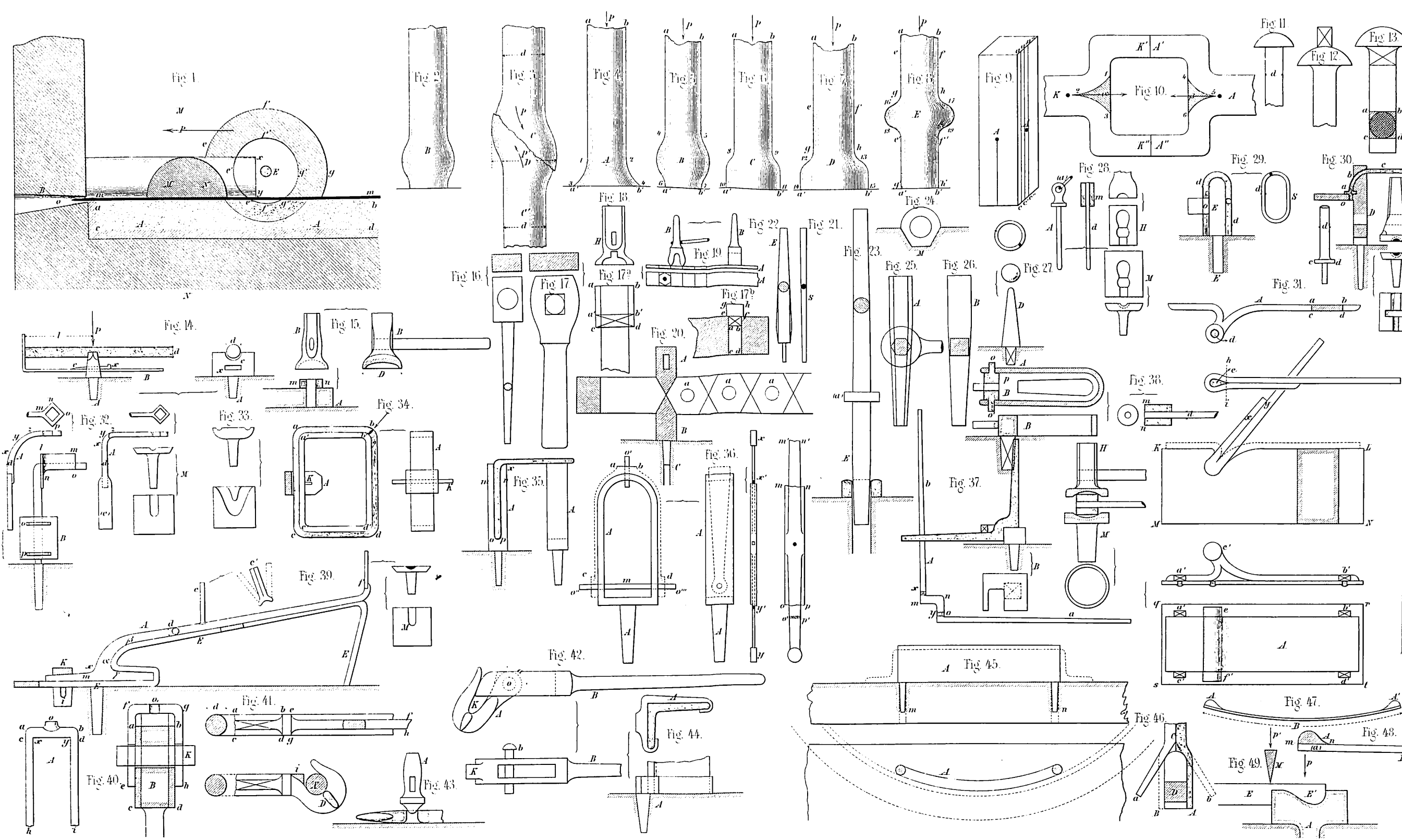


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.

Fig. 7.

Fig. 8.

Fig. 9.

Fig. 10.

Fig. 11.

Fig. 12.

Fig. 13.

Fig. 14.

Fig. 15.

Fig. 16.

Fig. 17.

Fig. 17^a.

Fig. 17^b.

Fig. 20.

Fig. 19.

Fig. 21.

Fig. 22.

Fig. 23.

Fig. 25.

Fig. 26.

Fig. 27.

Fig. 28.

Fig. 29.

Fig. 30.

Fig. 31.

Fig. 33.

Fig. 34.

Fig. 35.

Fig. 36.

Fig. 37.

Fig. 38.

Fig. 39.

Fig. 42.

Fig. 44.

Fig. 45.

Fig. 46.

Fig. 47.

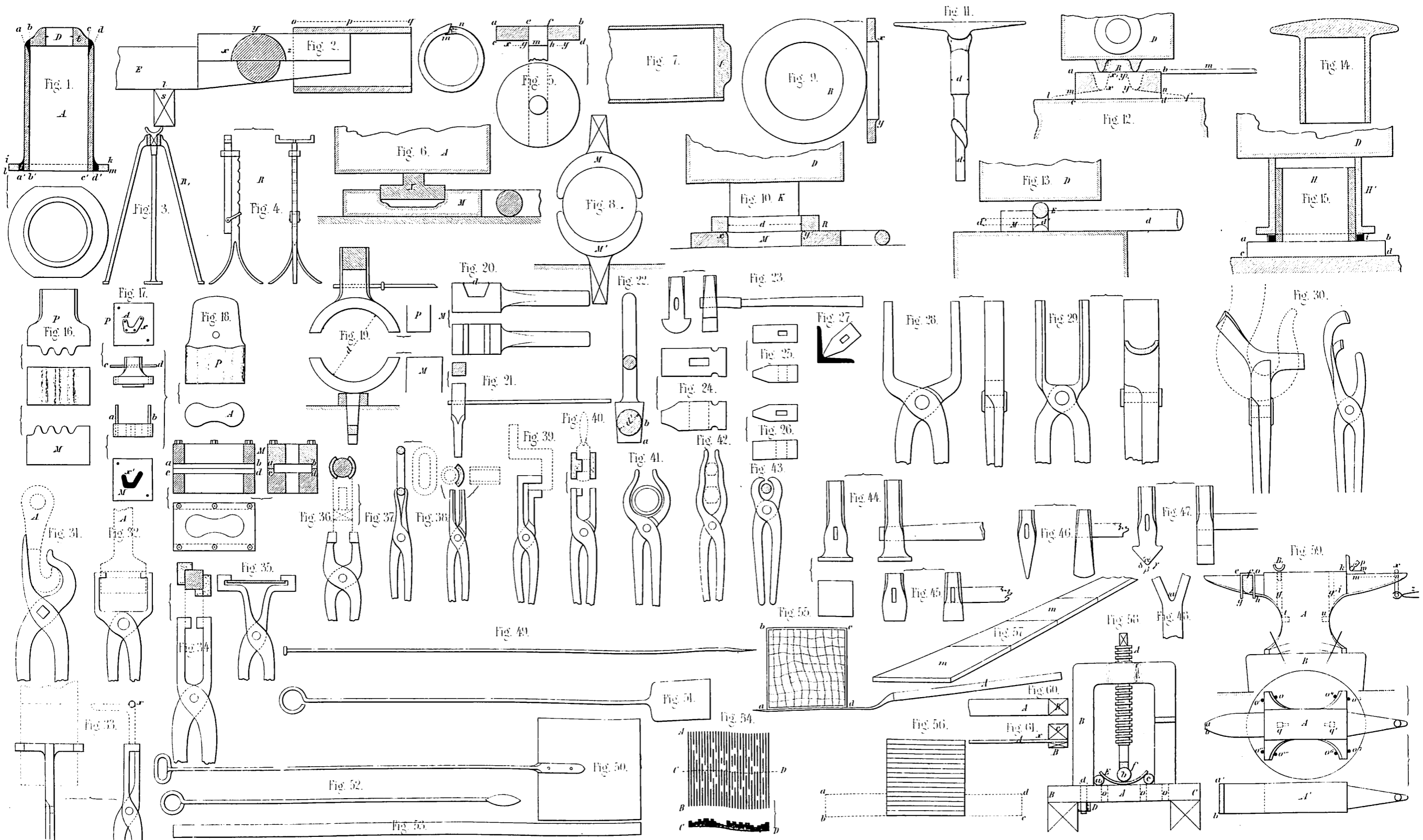
Fig. 48.

Fig. 41.

Fig. 40.

Fig. 43.

Fig. 49.



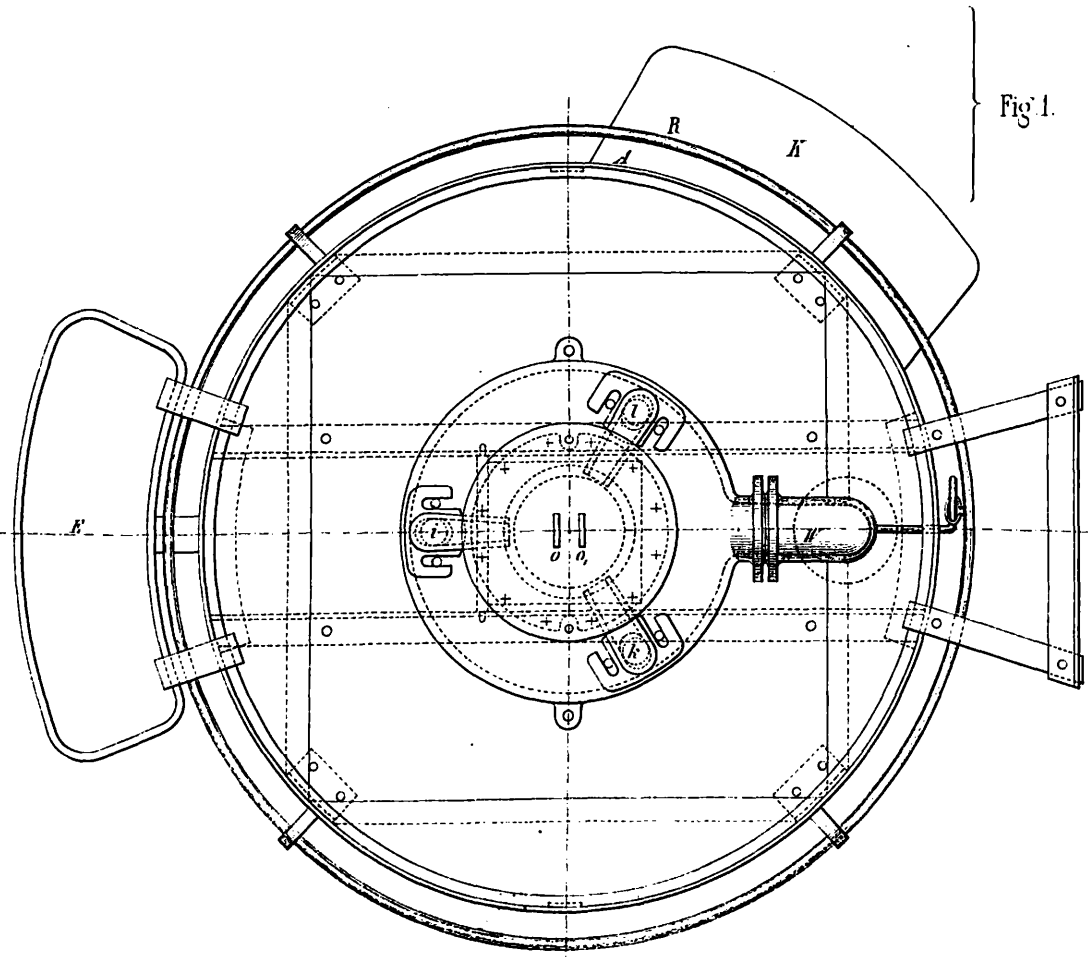
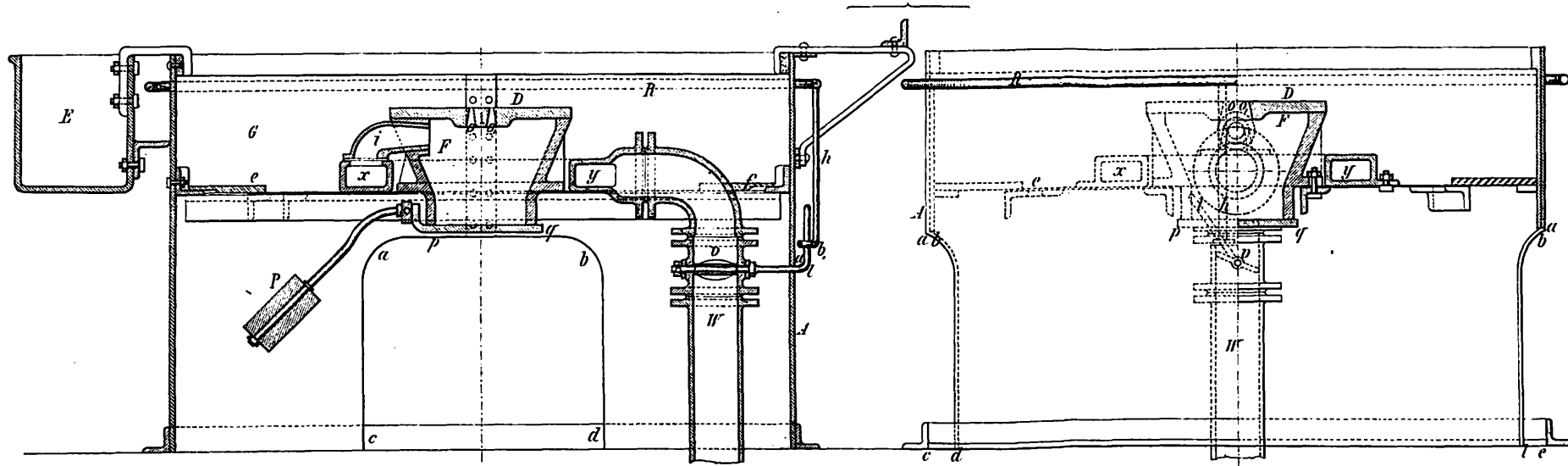


Fig. 1.

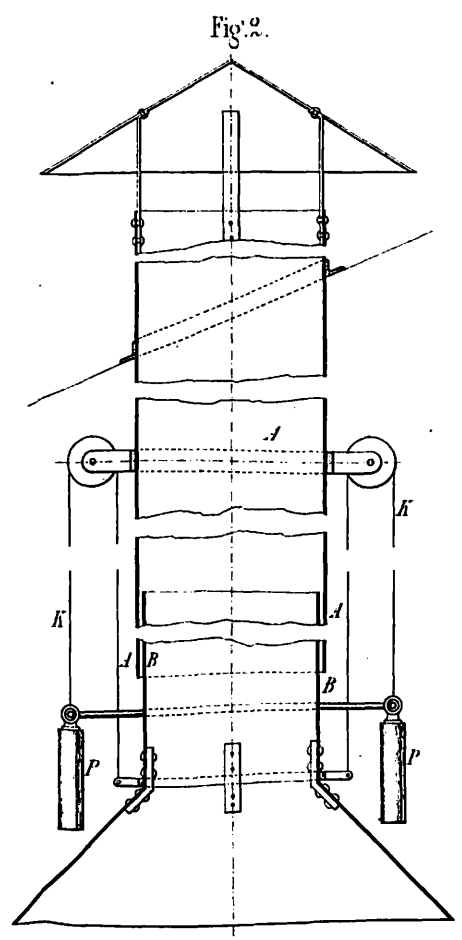


Fig. 2.

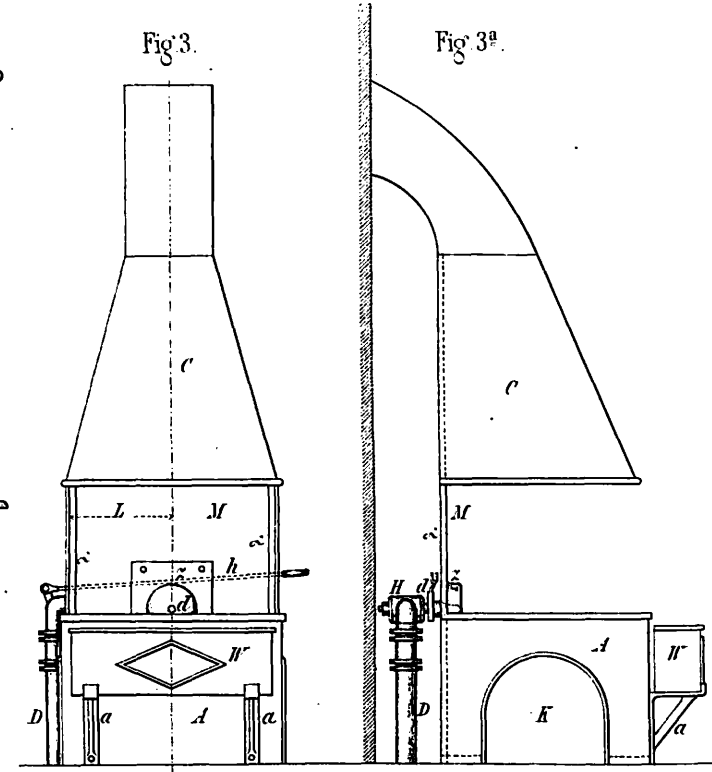


Fig. 3.

Fig. 3a.

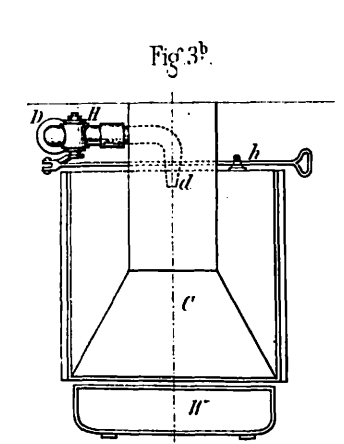


Fig. 3b.

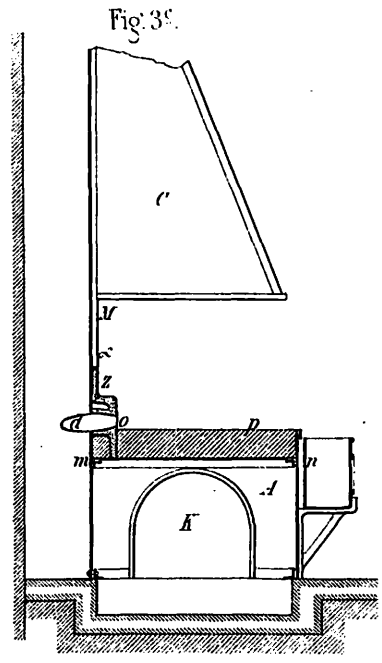
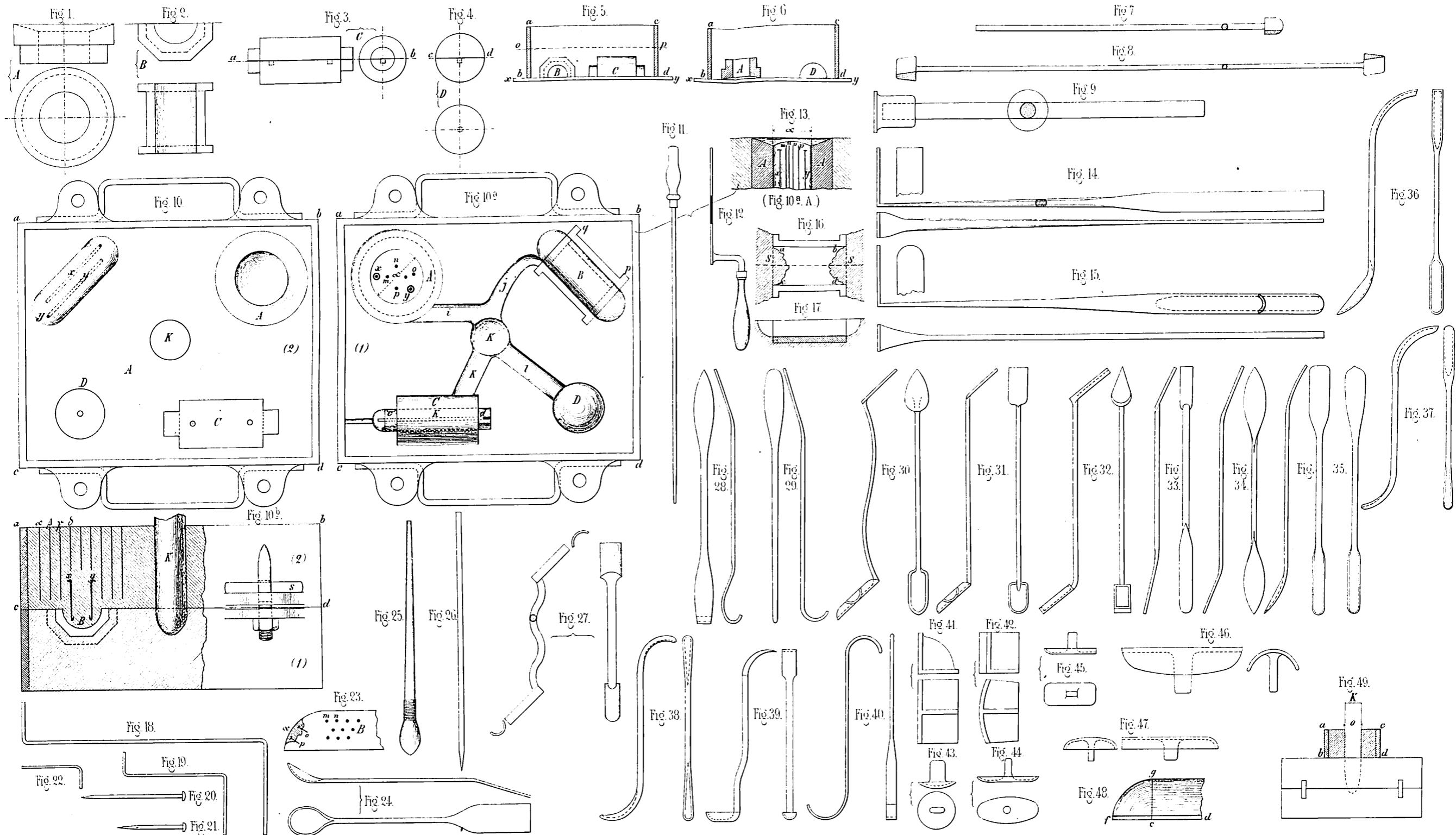


Fig. 3c.



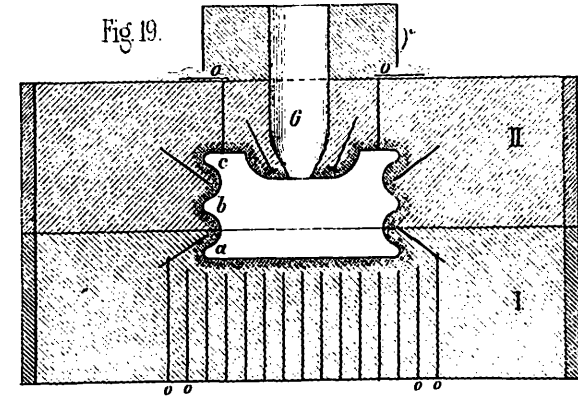
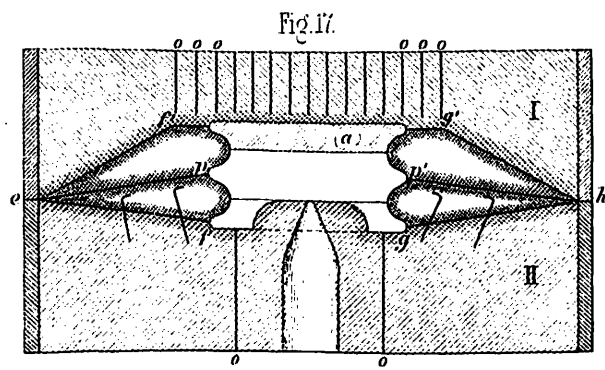
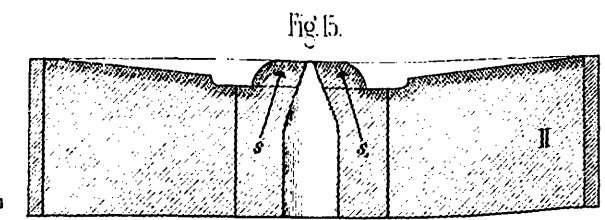
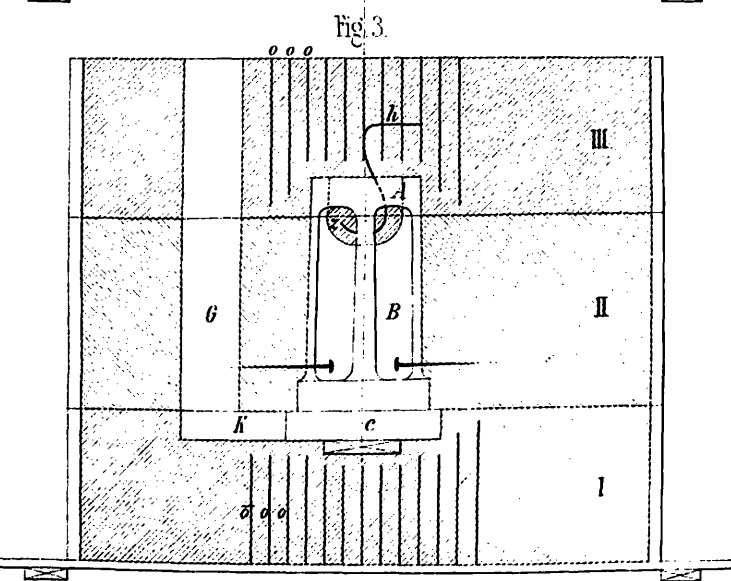
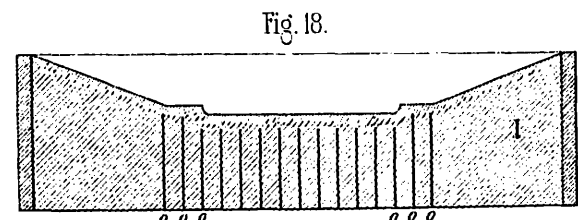
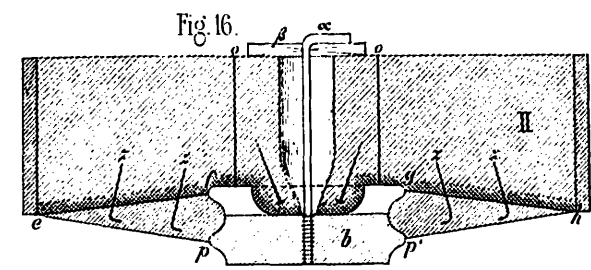
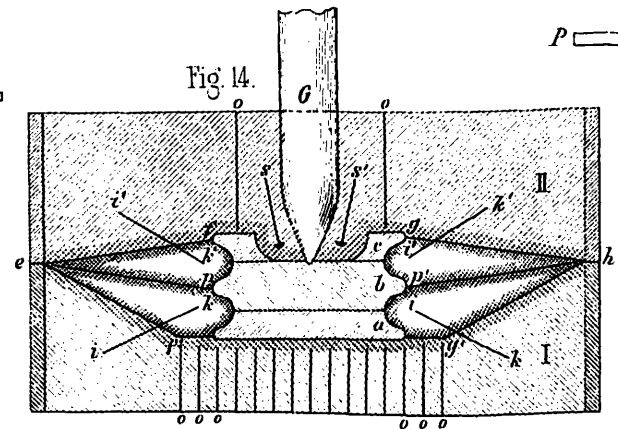
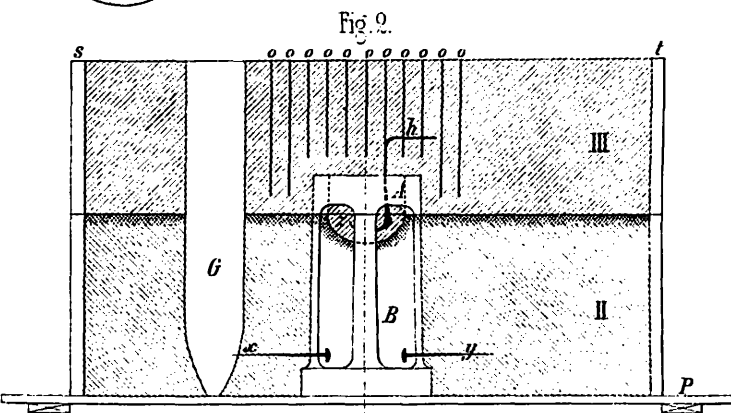
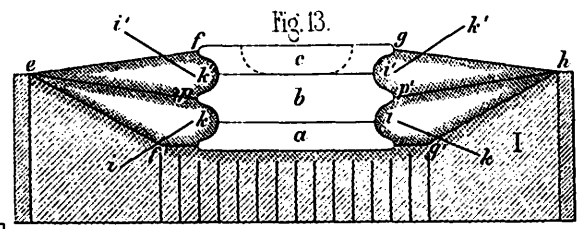
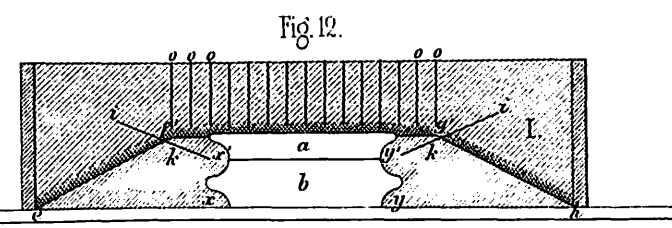
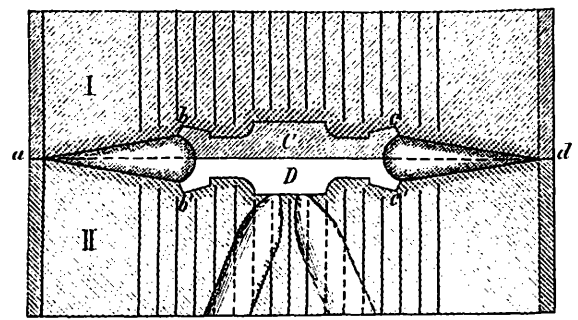
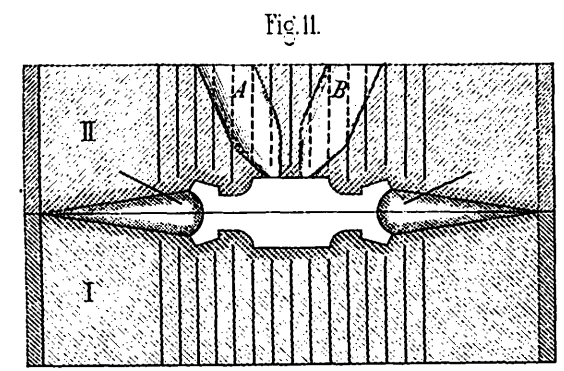
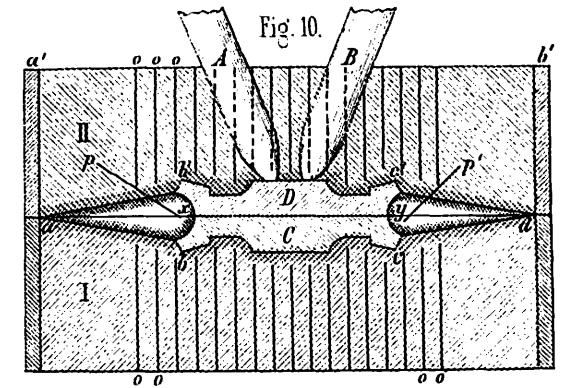
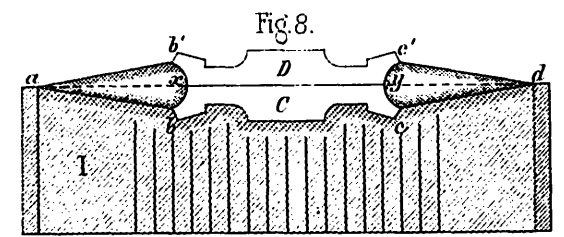
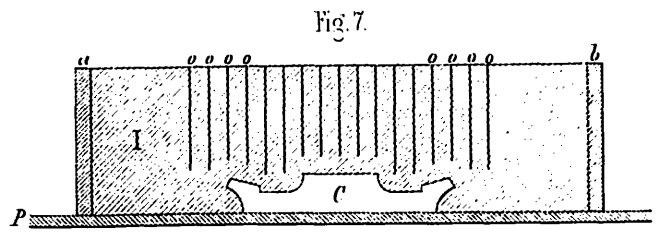
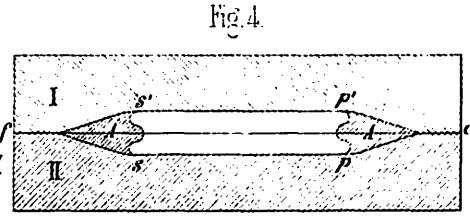
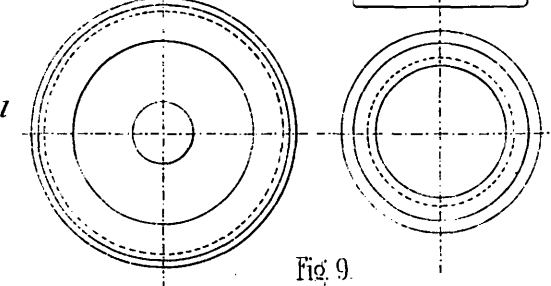
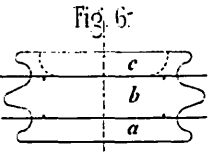
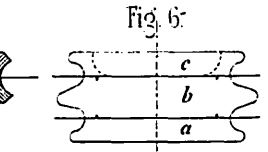
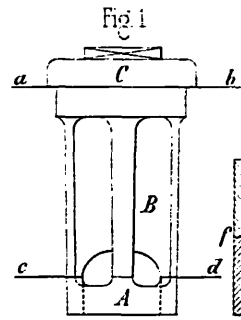


Fig. 1.

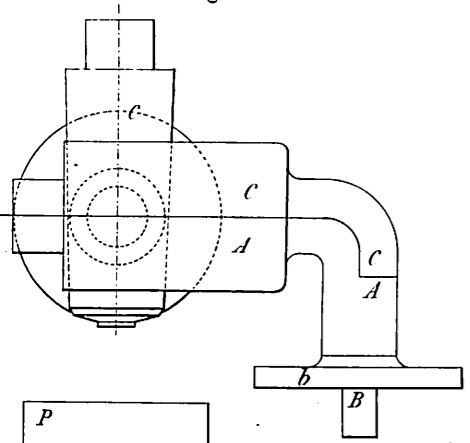


Fig. 2.

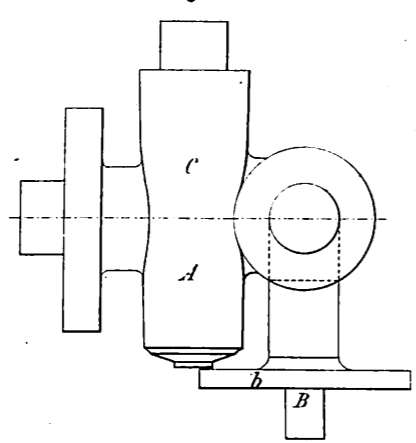


Fig. 3^a.
O 6

Fig. 3.

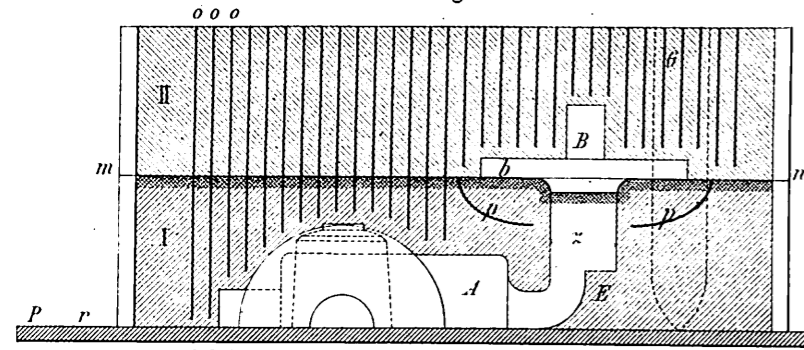


Fig. 6.

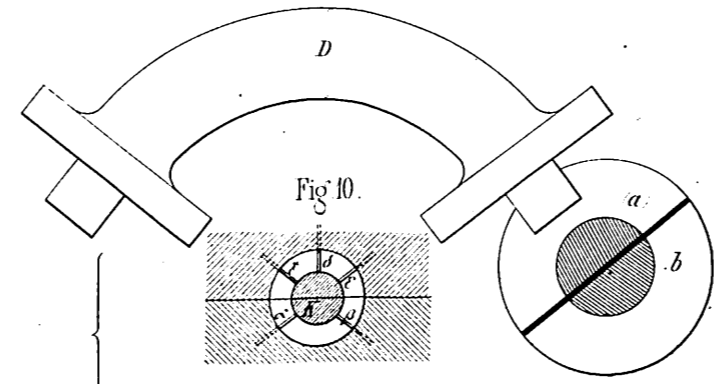


Fig. 7.

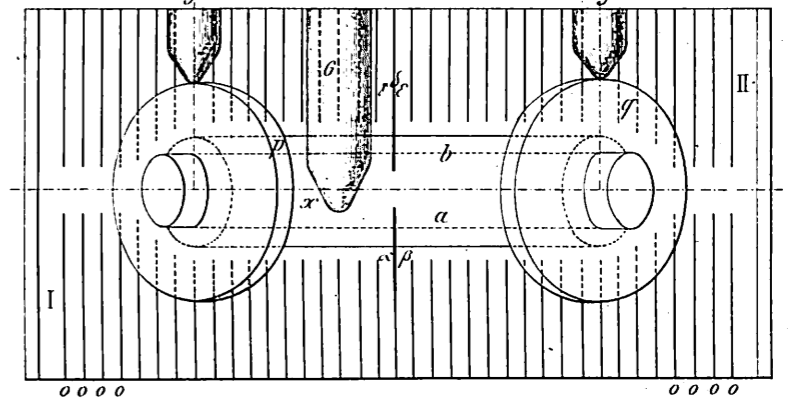


Fig. 10.

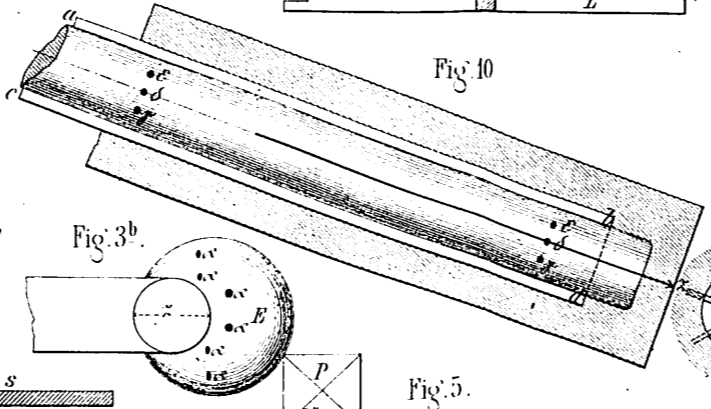


Fig. 3^c.

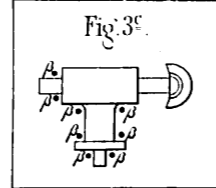


Fig. 8.

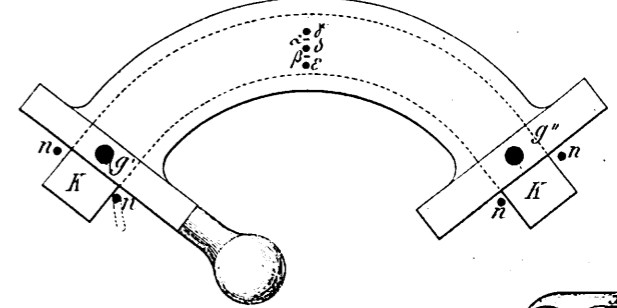


Fig. 9.

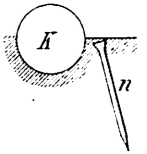


Fig. 13.

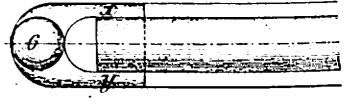


Fig. 5.

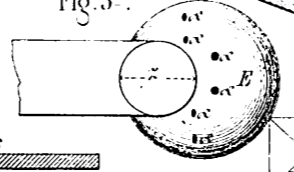


Fig. 4.

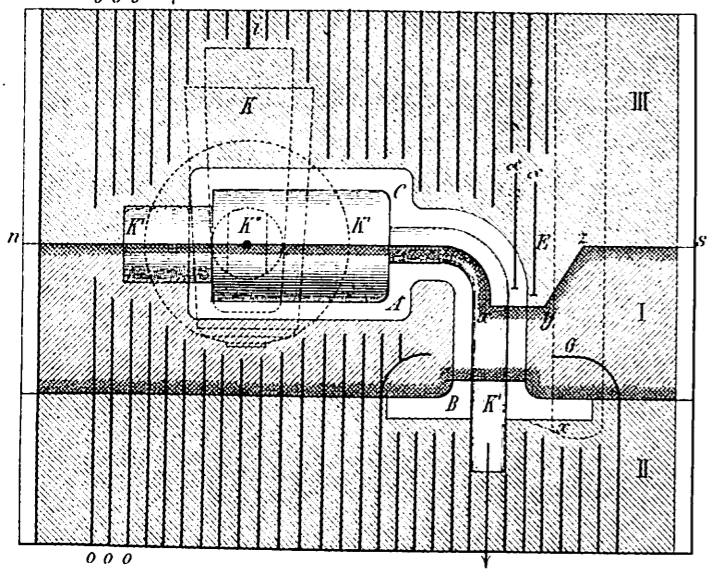


Fig. 11.

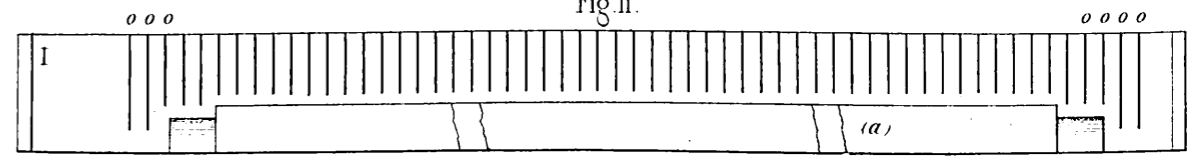
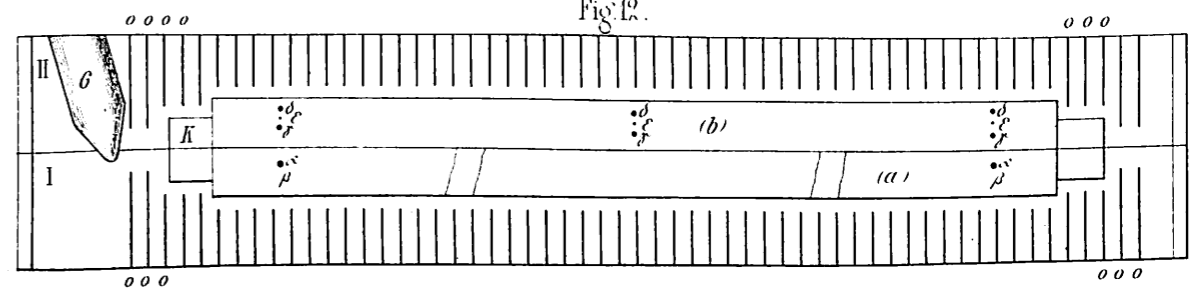


Fig. 12.



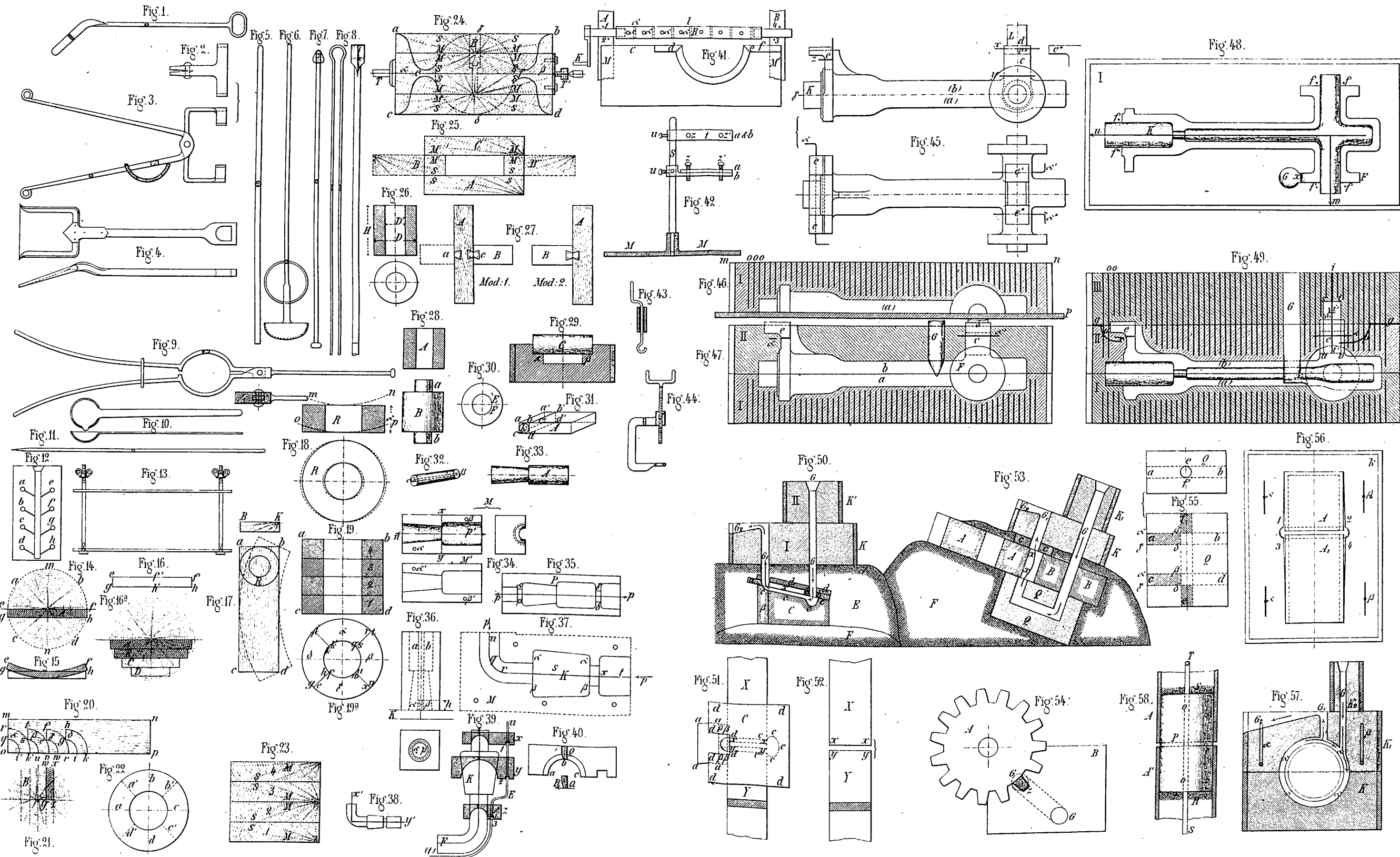


Fig. 1.

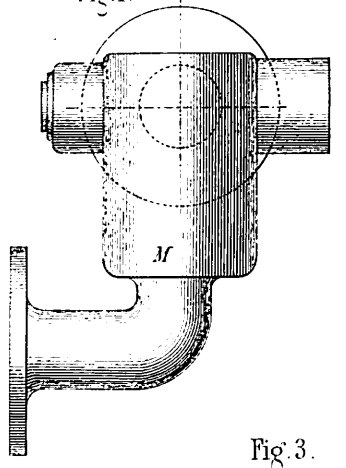


Fig. 2.

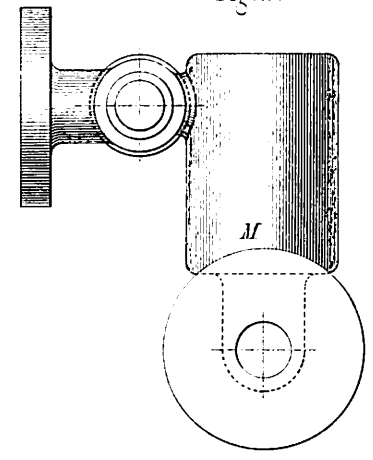


Fig. 3.

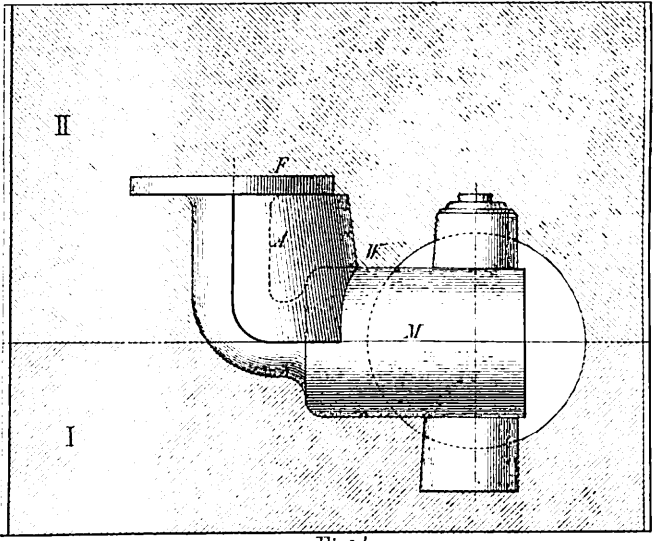


Fig. 4.

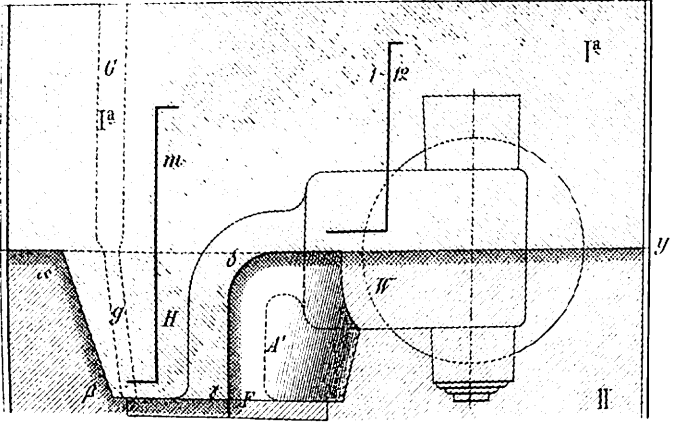


Fig. 5.

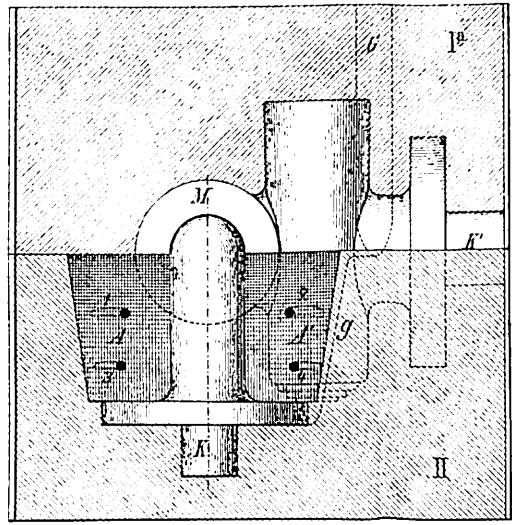


Fig. 6.

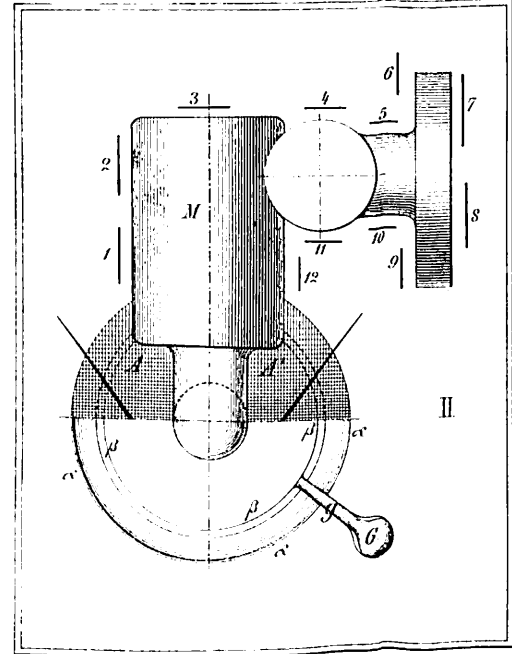


Fig. 7.

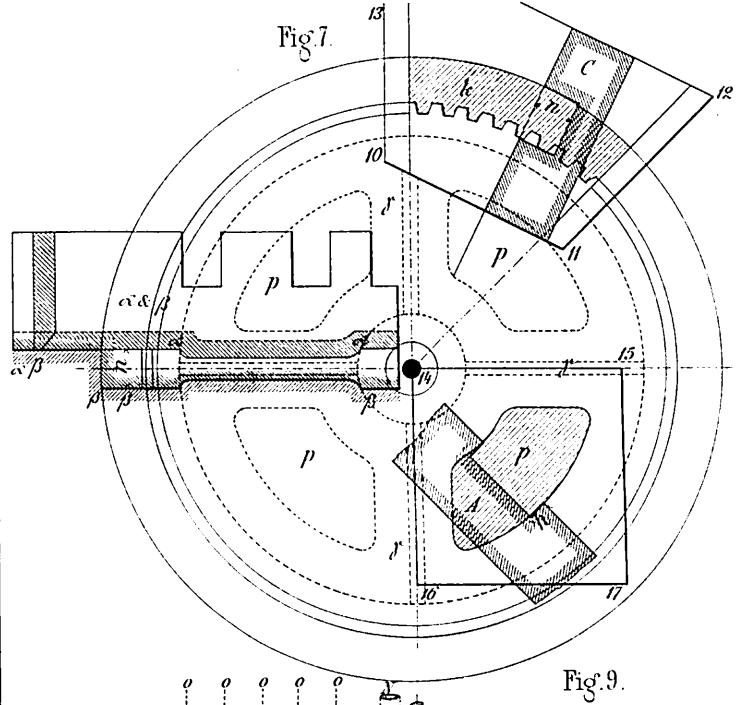


Fig. 9.

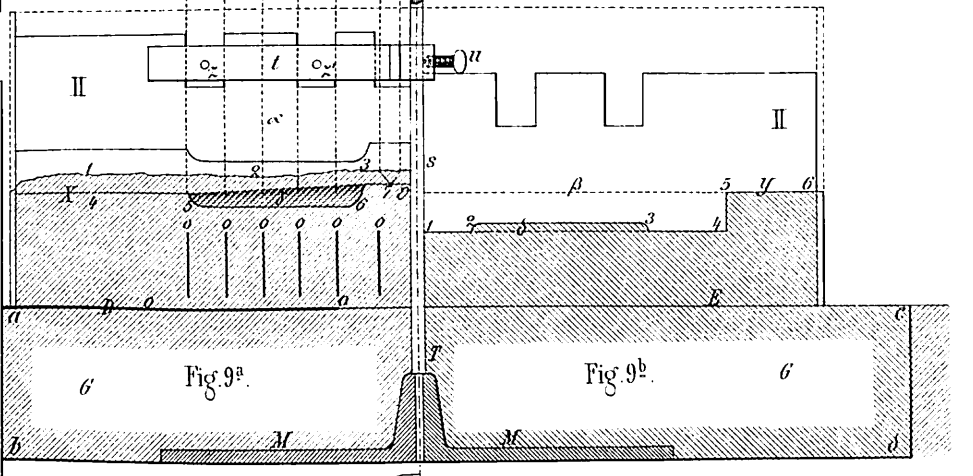


Fig. 8.

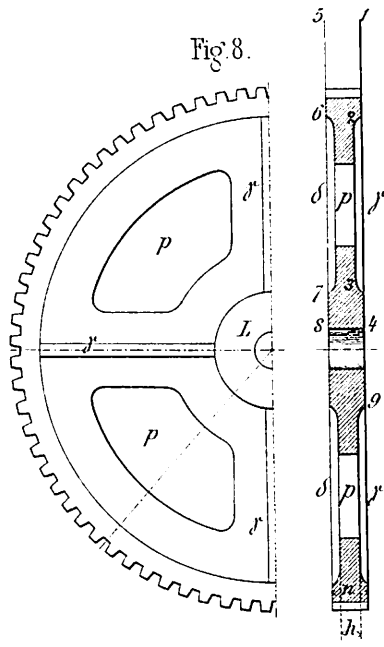


Fig. 12.

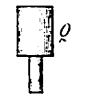


Fig. 13.

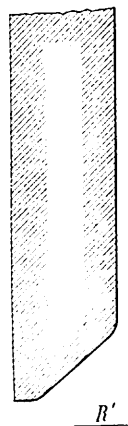
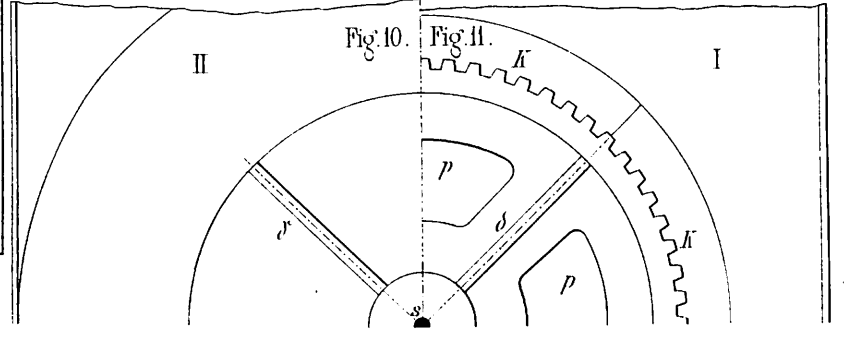


Fig. 10.

Fig. 11.



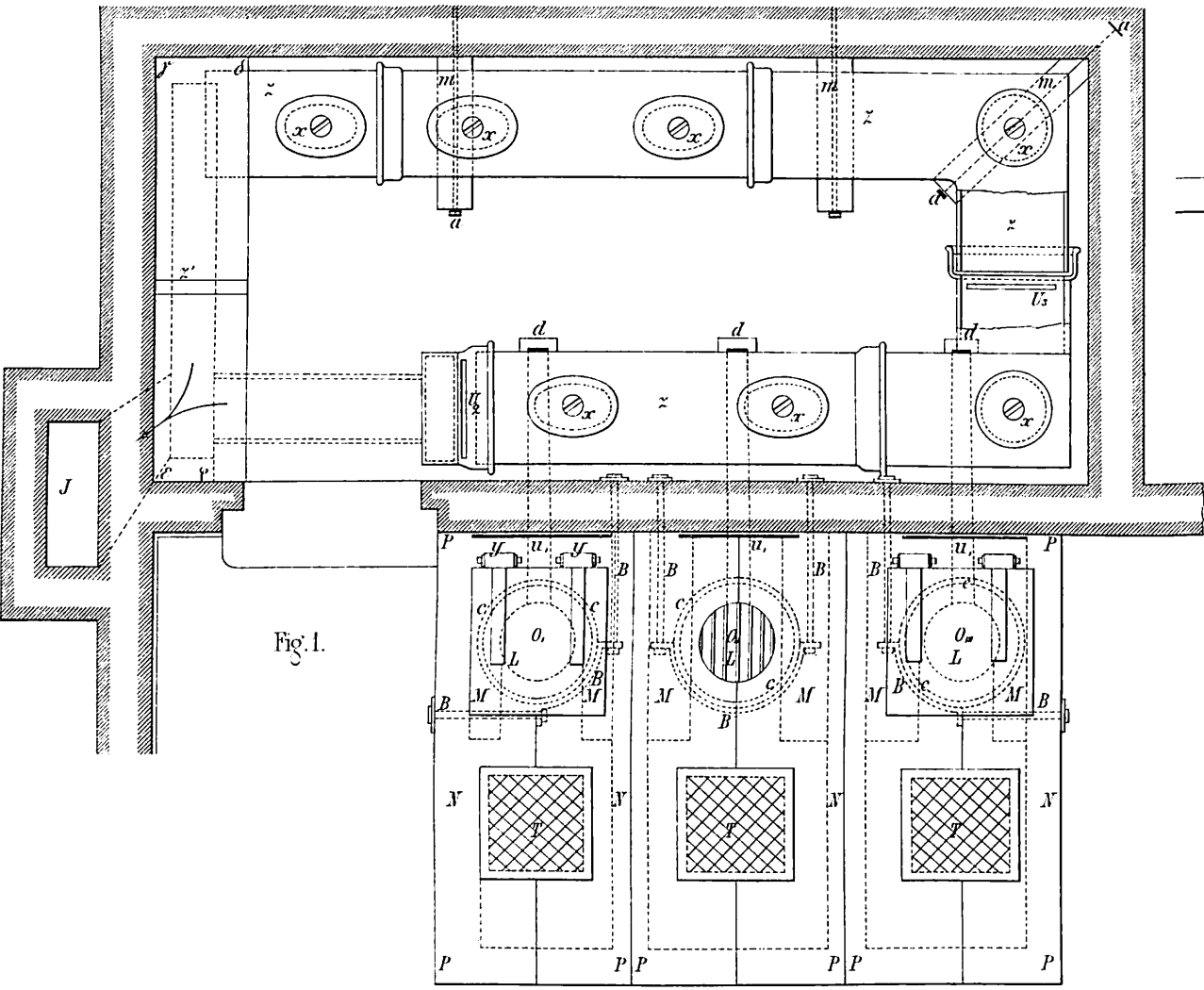


Fig. 1.

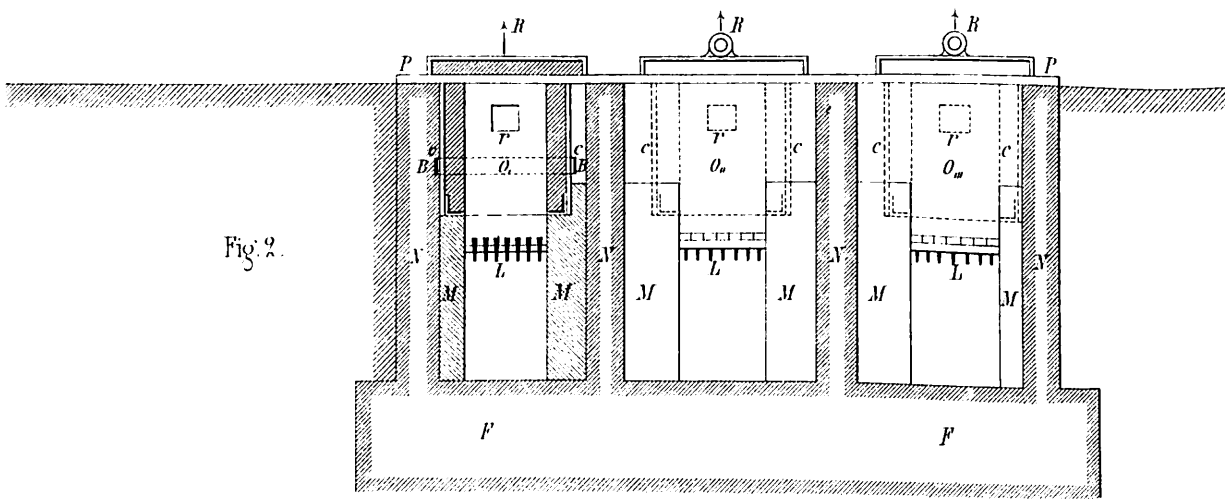


Fig. 2.

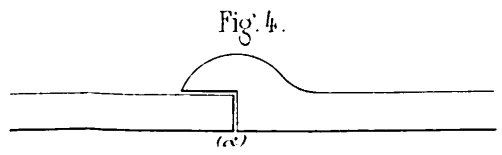


Fig. 4.

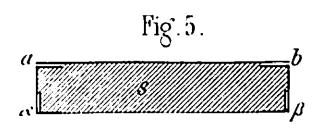


Fig. 5.

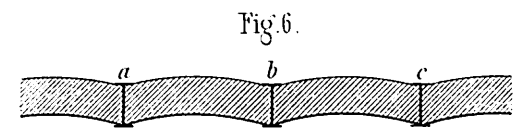


Fig. 6.

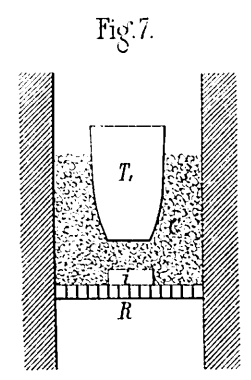


Fig. 7.

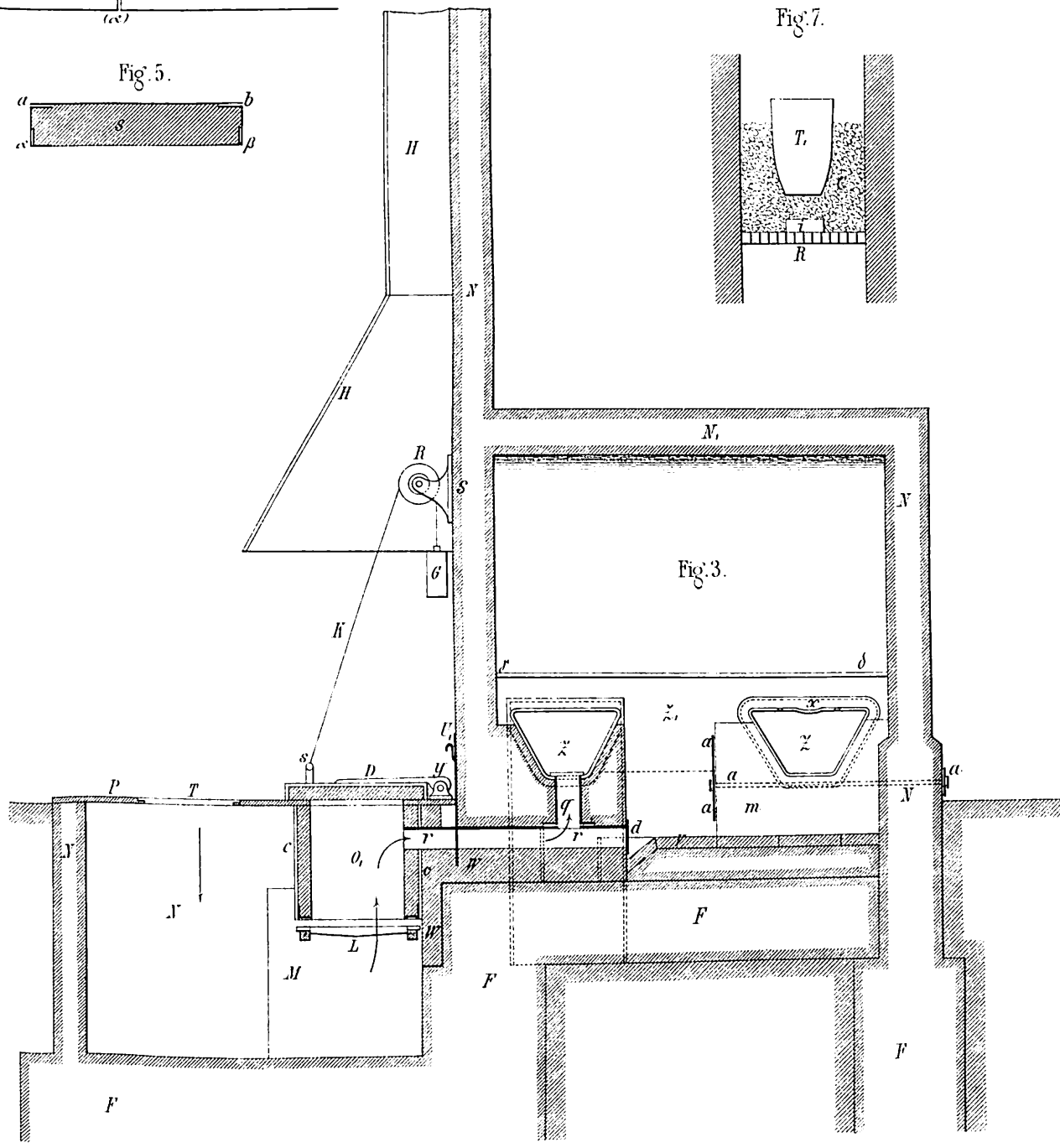


Fig. 3.

