

ATLAS VAN XXVII PLATEN,

behoorende bij de

BEKNOPTE HANDLEIDING

TOT DE

KENNIS DER ARTILLERIE,

voor de

CADETTEN DER INFANTERIE, CAVALERIE EN GENIE.

EERSTE DEEL.

HET NEDERLANDSCHE GESCHUTSTELSEL

EN

HET NEDERLANDSCH-INDISCHE GESCHUTSTELSEL.

door

F. DELL,

Kapitein van den Generalen Staf.



MILITAIRE ACADEMIE.

LITHOGRAPHIE.

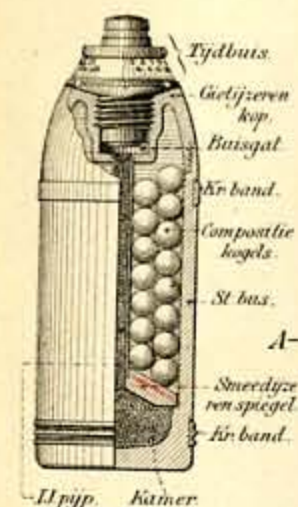
1906.

Inhoud.

- Plaat*
- I. 8 c.M. St. (N. L.)
- II. 7 c.M. L.A. (N.I.L.)
- III. Kanon van 10 c.M., op verschillende affuiten. (N. L.)
- IV. 7 c.M. K. A. en 7 c.M. L.A. (N.I.L.)
- V. 15 c.M. K., 15 c.M. Mr., 10 c.M. Mr., Coehoornmortier en 6 c.M. (N. L.)
- VI. 12 c.M. Hw. A. en 12 c.M. Mr. A. (N.I.L.)
- VII 7 c.M. Mr. A. (N.I.L.)
- VIII. Figuren behoorende bij de inleiding.
- IX. Verschillende projectielen en ontstekingsmiddelen. (N. L.)
- X. " " " " (N.I.L.)
- XI. Verschillende buizen. (N.L. en N.I.L.)
- XII. Tijdschokbuizen. (N.L. en N.I.L.)
- XIII. Vuurmondconstructie.
- XIV. Inwendige inrichting en gasafsluiting van vuurmonden.
- XV. Wigsluiting. (N. L.)
- XVI. Kanonnen van 7 c.M. K. A. en 7 c.M. L.A. met wigsluiting. (N.I.L.)
- XVII. Verticale wigsluiting der kanonnen van 6 c.M. (N. L.)
- XVIII. Sluiting van vuurmonden.
- XIX. Mitrailleur M. 90. (N. L.)
- XX. Automatische mitrailleur. (stelsel Maxim)
- XXI. Opzetten en vizierkorrels. (N. L.)
- XXII. Verschillende richtmiddelen. (N. L. en N.I.L.)
- XXIII. " " " "
- XXIV. Verschillende affuiten en stoelen. (N. L.)
- XXV. Affuit van 24 c.M. L/25. (N. L.)
- XXVI. Affuitconstructie. (N. L.)
- XXVII. 12 c.M. L/40 op wiegaffuit en bedding met munitie. (N.I.L.)
-

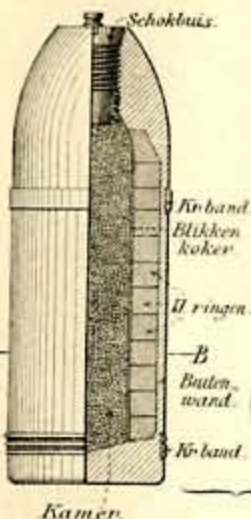
Fig. 1-3. De projectielen (geheel gereed)

Fig. 1. (4) Granaatkartels.



Gevuld met buskrut N°2.

Fig. 2. (4) Ringgranaat



gevuuld met buskrut N°2.

Een laag kartelskogels (Van boven gezien)



Fig. 3. (4) Kartels.

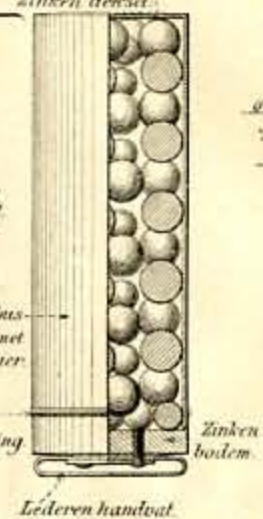


Fig. 6. (2b) Het afgelegde stuk, van links.

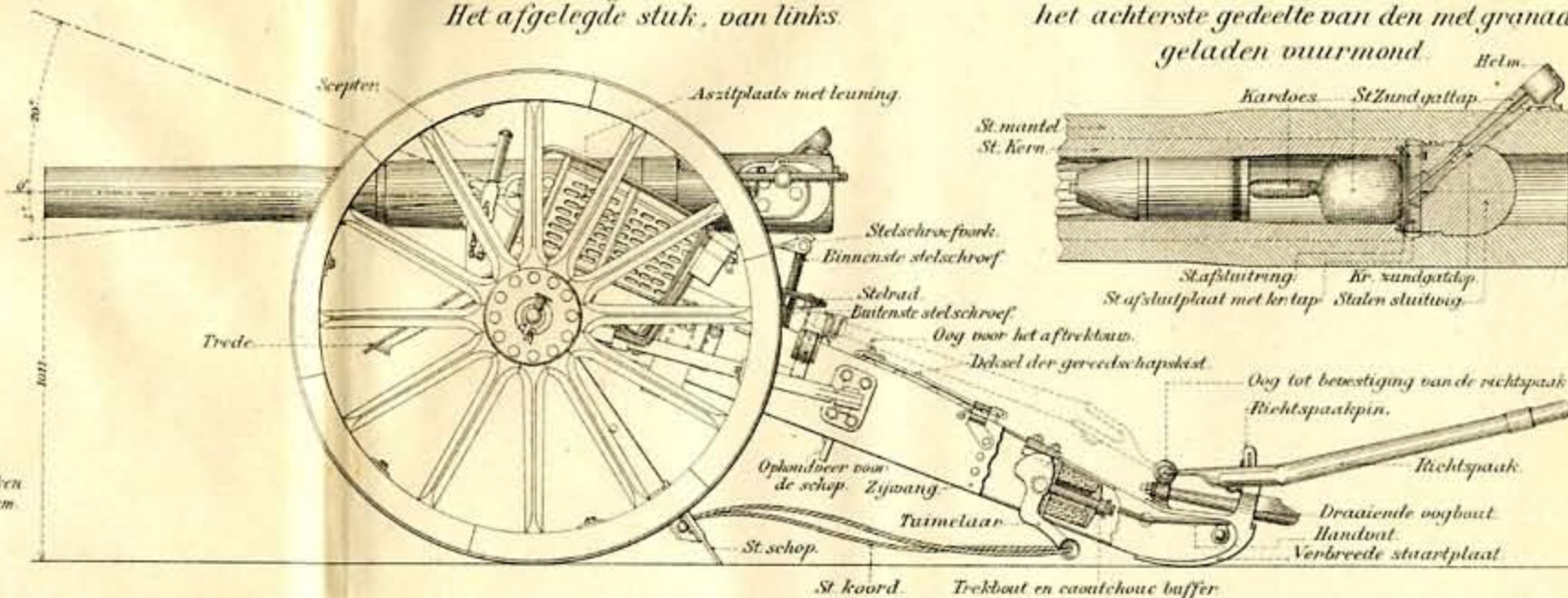


Fig. 7. (4b) Verticale lengtedoorsnede over het achterste gedeelte van den met granaat geladen vuurmond.

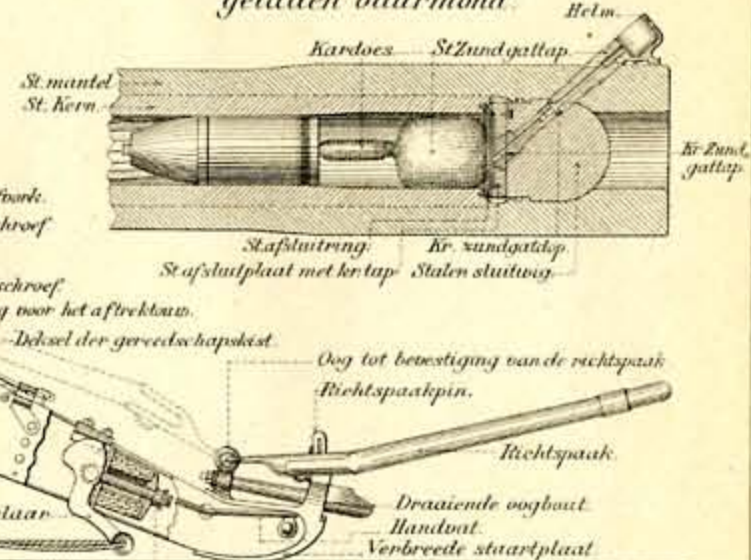


Fig. 8. (2a) Het opgelegde stuk, marschvaardig.

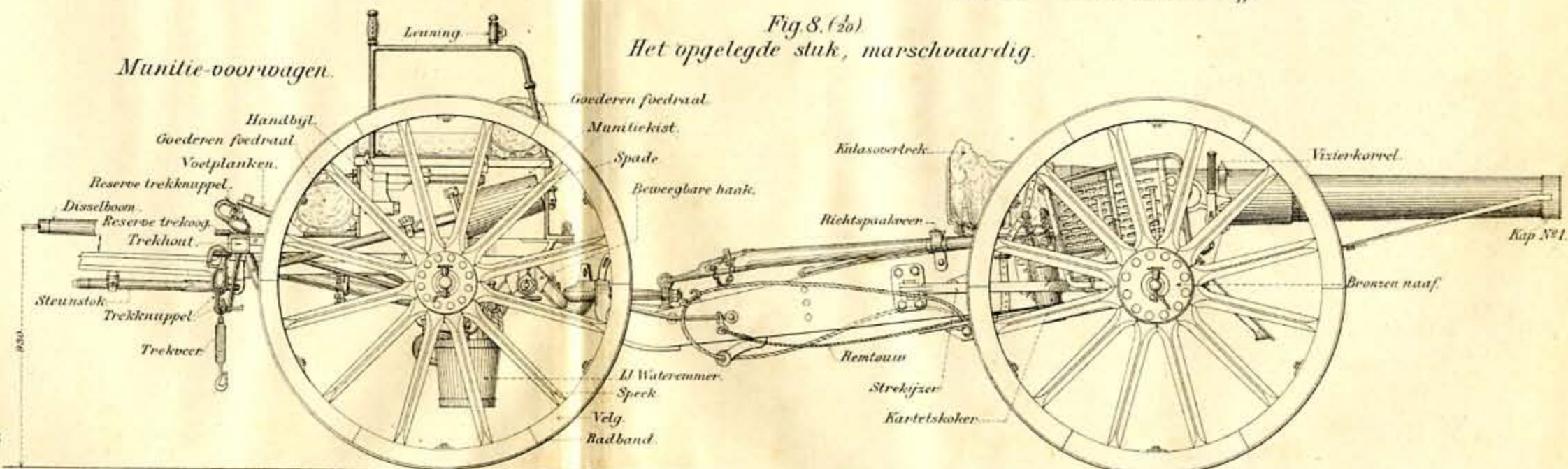


Fig. 4 Springende granaatkartels (tijduur)



Fig. 5 Gewone (ook Ring-) granaat springende na den aanslag (aanslagmuur)

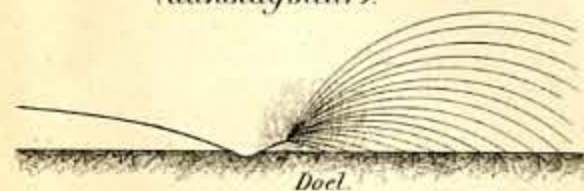


Fig. 1. (1/2).
Ringgranaat
(zonder buis en springlading).

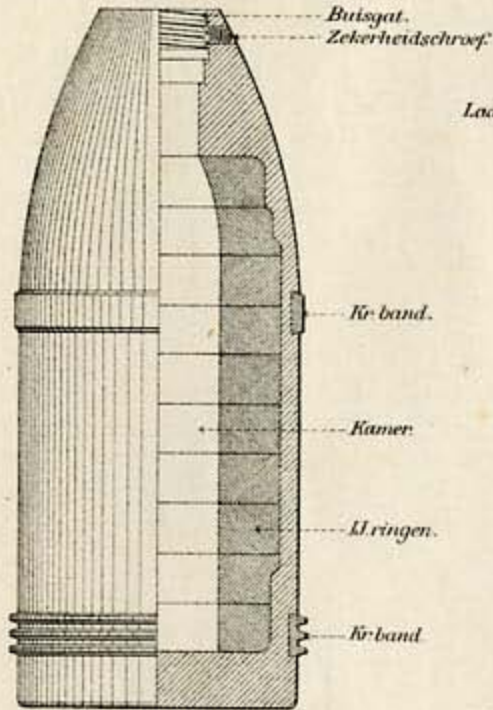


Fig. 2. (1/2).
Granaatkartets
(zonder buis en springlading).

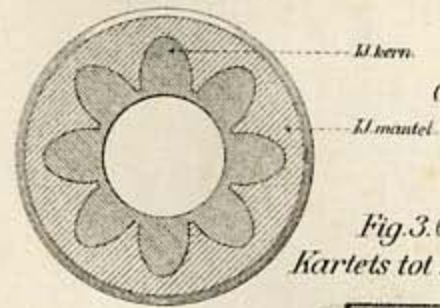
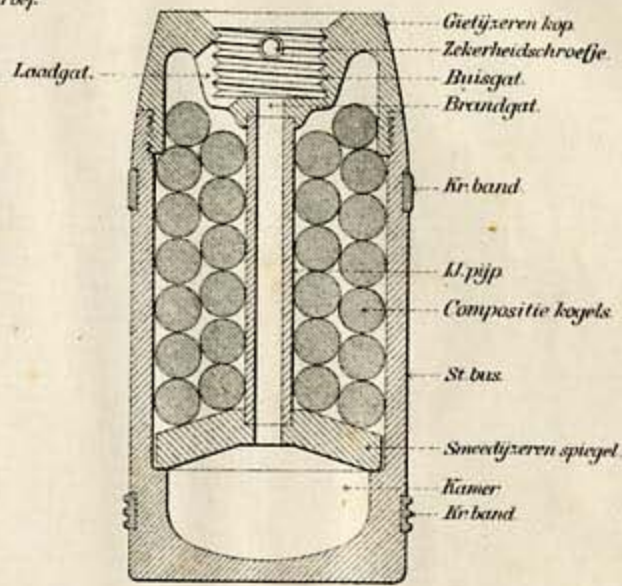


Fig. 3. (A).
Kartets tot 7cMA.

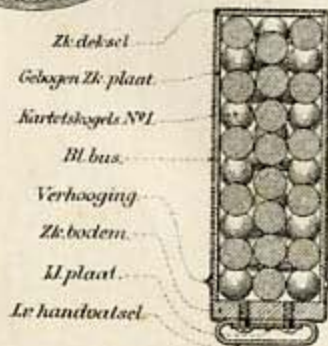


Fig. 6. (2b).
Munitie-voorzagen
Van ter zijde.
(met afgenomen linkerrad)

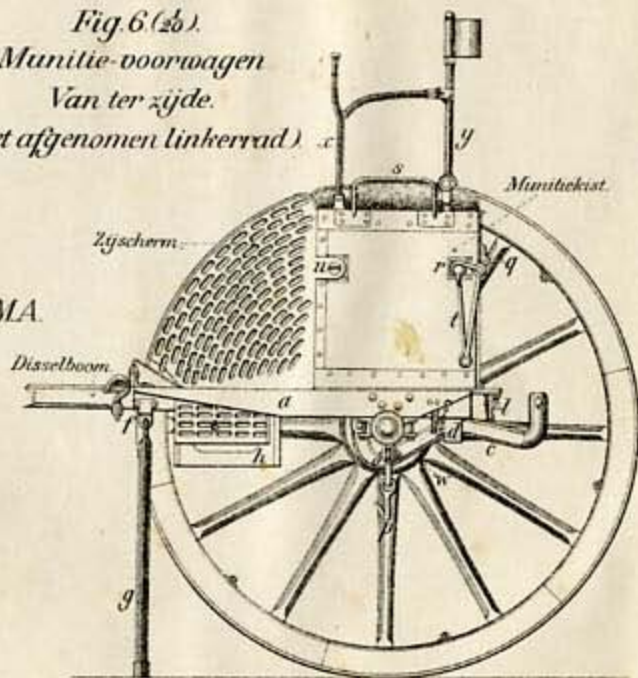


Fig. 4. (1/2). Kanon.
Van ter zijde.

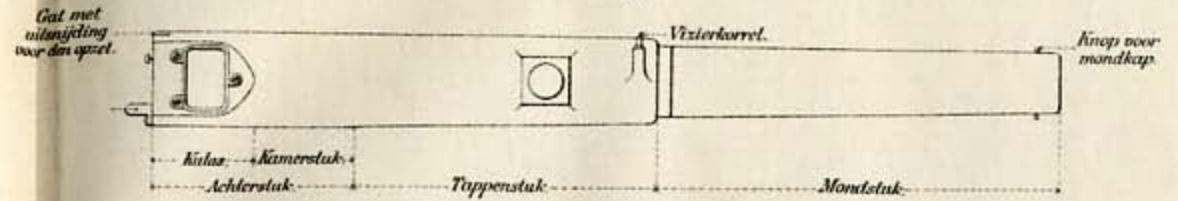
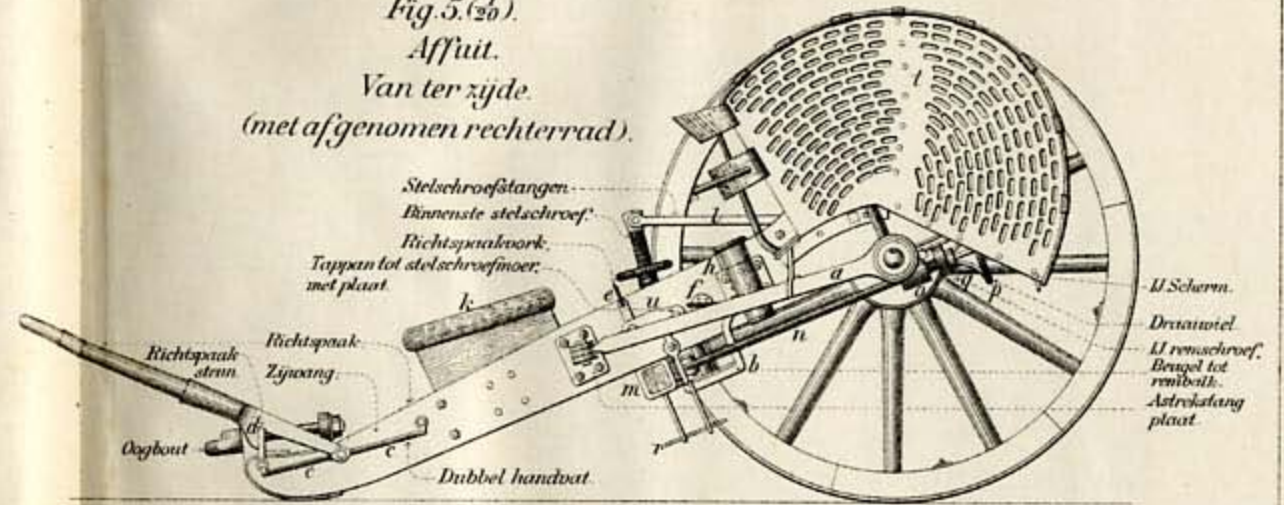


Fig. 5. (2b).
Affuit.
Van ter zijde.
(met afgenomen rechtterrad).



Van boven.

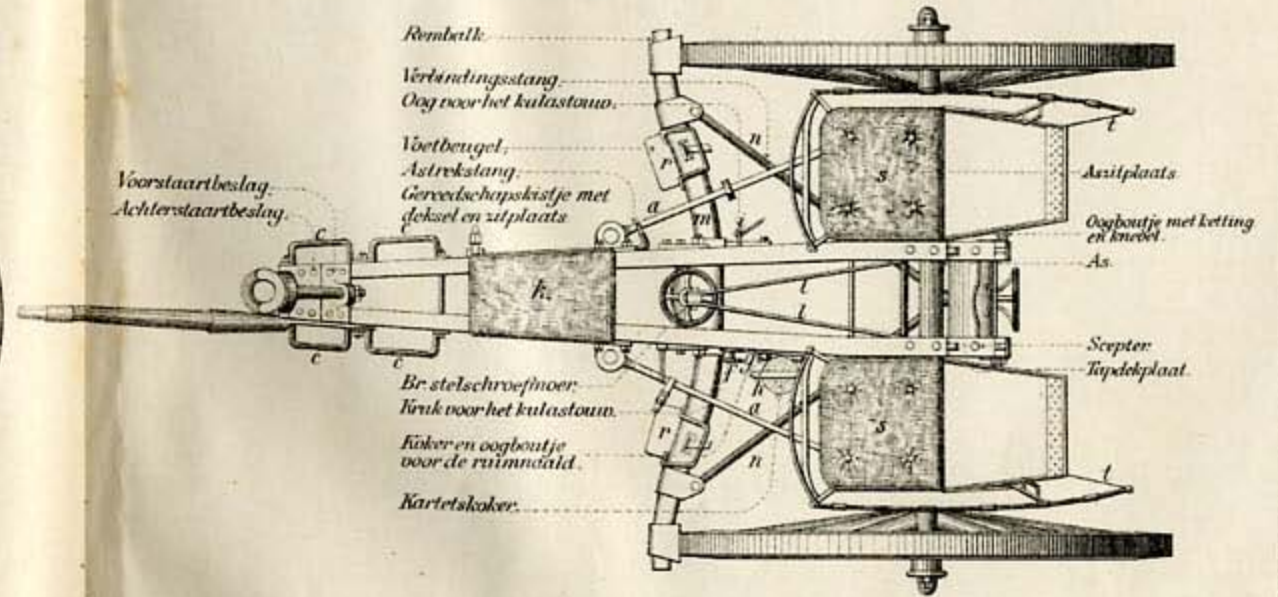
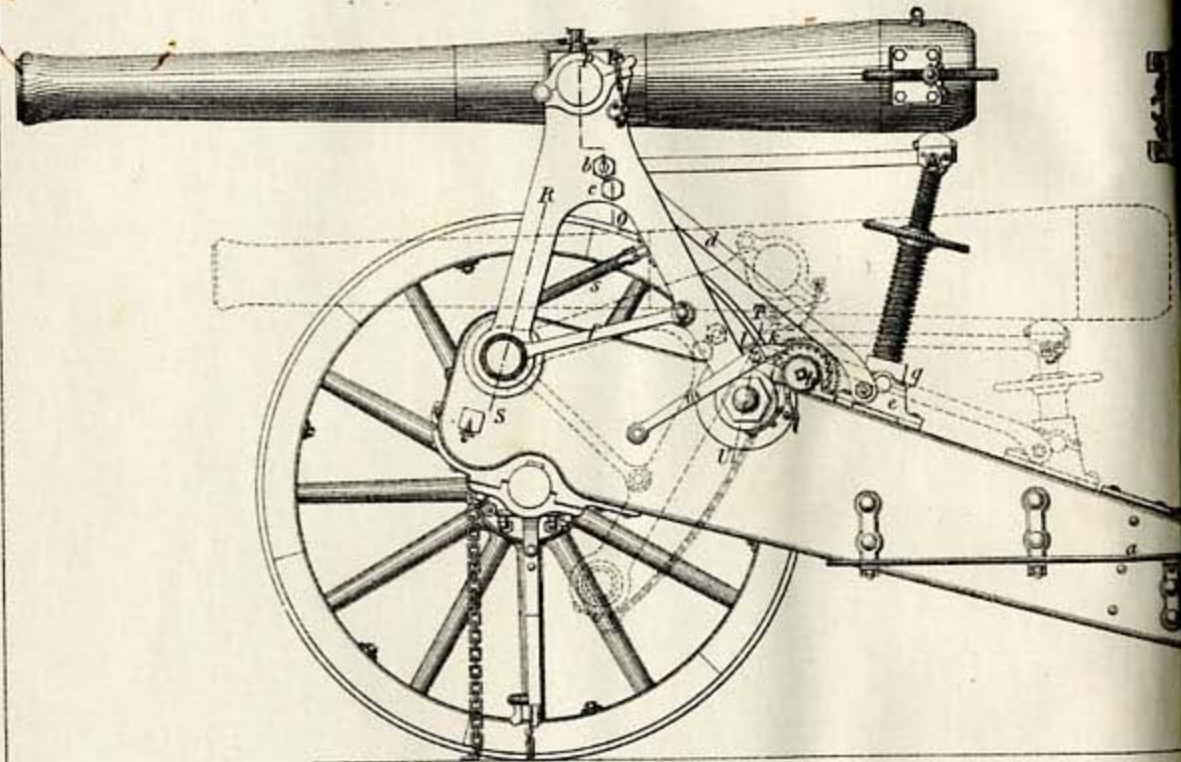


Fig. 1^a (2b).
Van links, linker rad afgenomen.



Kanon van 10 cM. op hooge affuit.

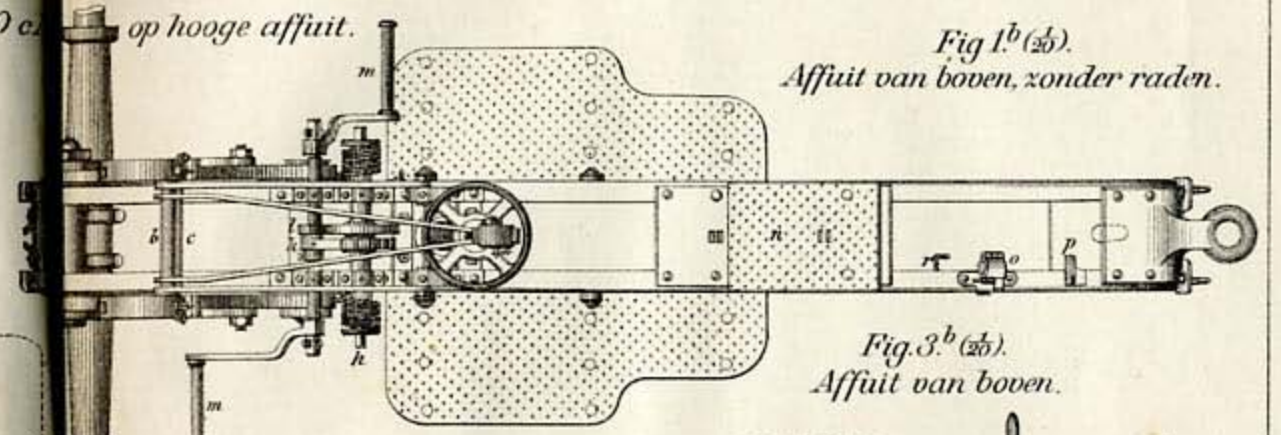


Fig. 1^b (2b).
Affuit van boven, zonder raden.

Fig. 3^b (2b).
Affuit van boven.

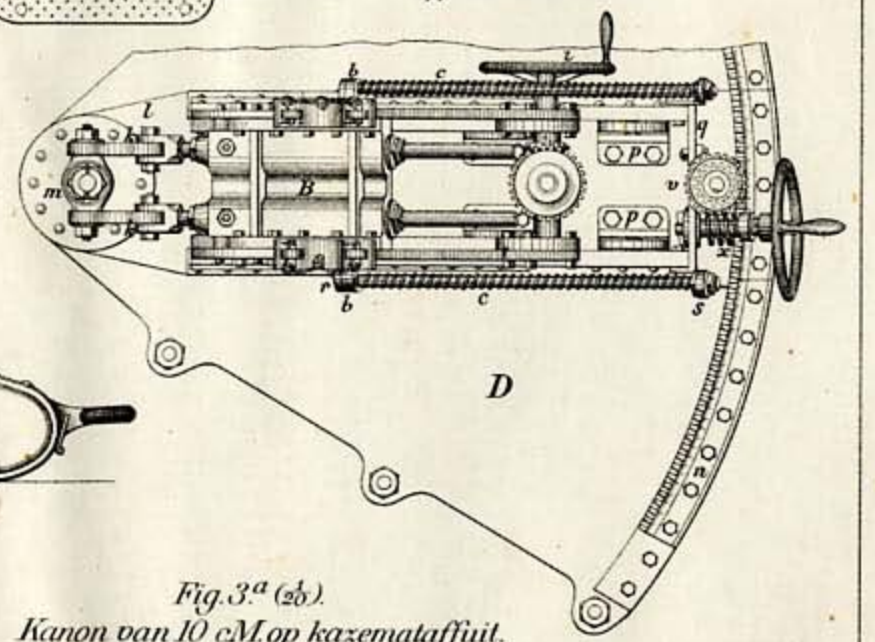


Fig. 2 (2b).
Kanon van 10 cM. op lage affuit met hydr. rem.

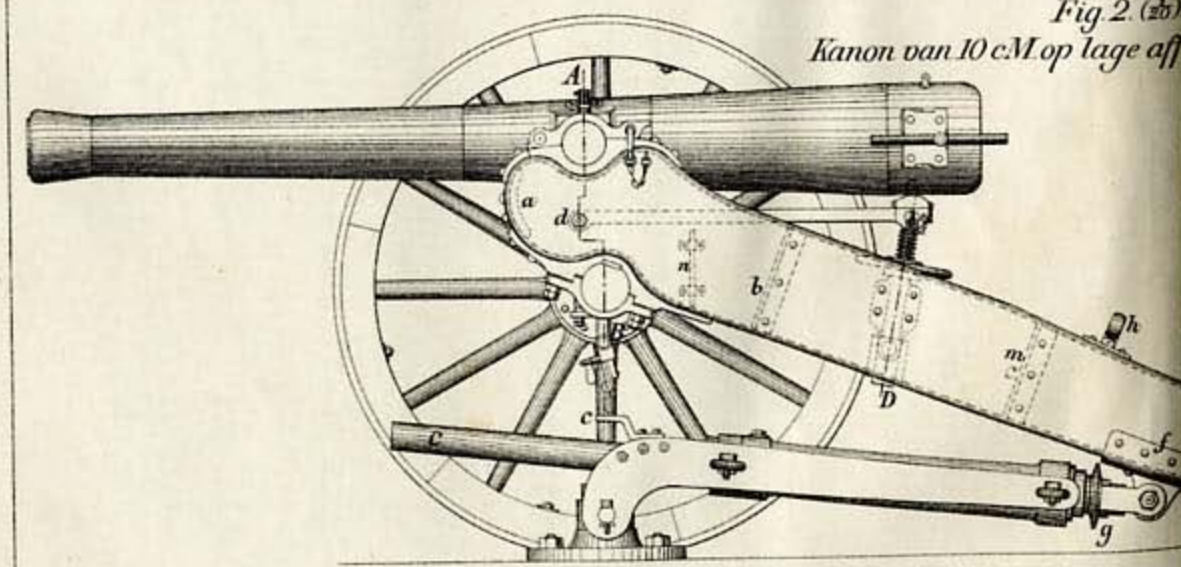


Fig. 3^a (2b).
Kanon van 10 cM. op kazemataffuit.

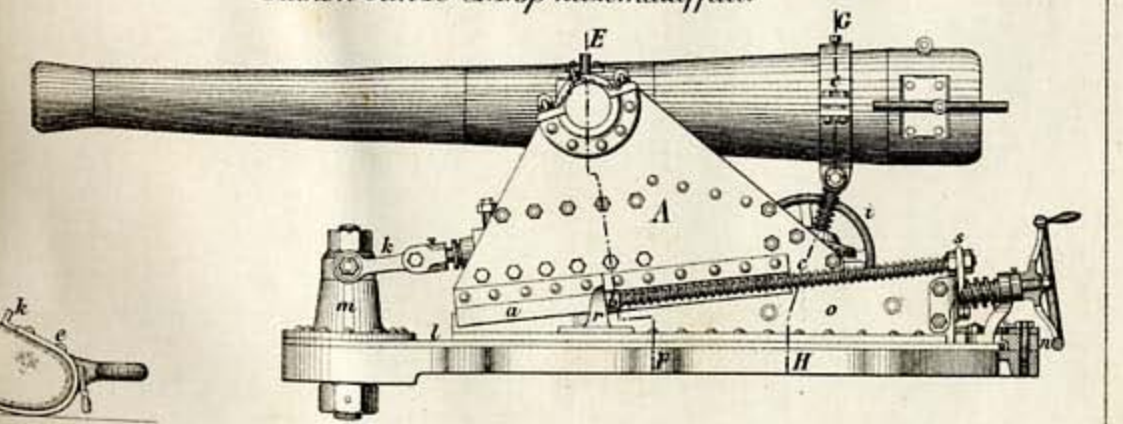


Fig. 1. (1/2) Verticale doorsnede over het achterste gedeelte van den met granaat geladen vuurmond (7 c.M. K.A.)

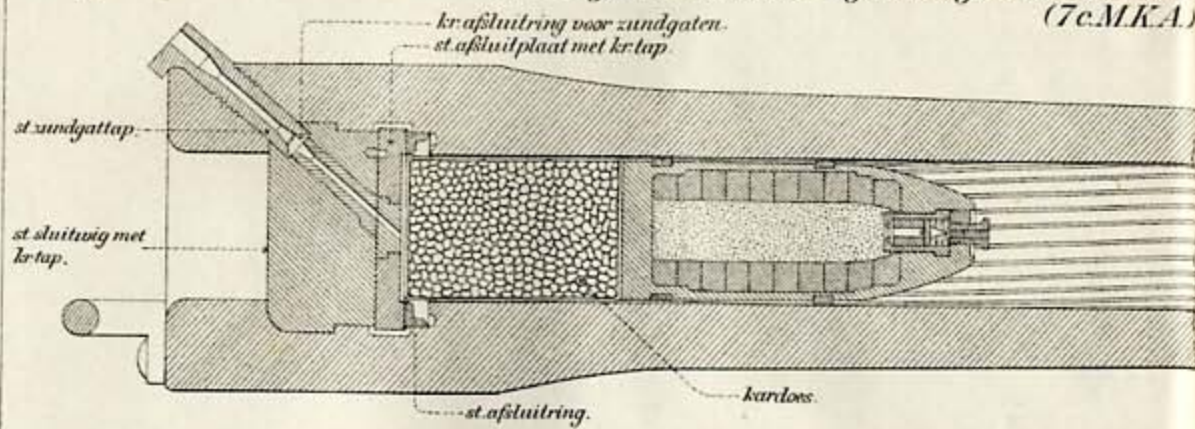


Fig. 2. (1/2) Verticale doorsnede over het achterste gedeelte van den met granaat geladen vuurmond. (7 c.M. L.A.)

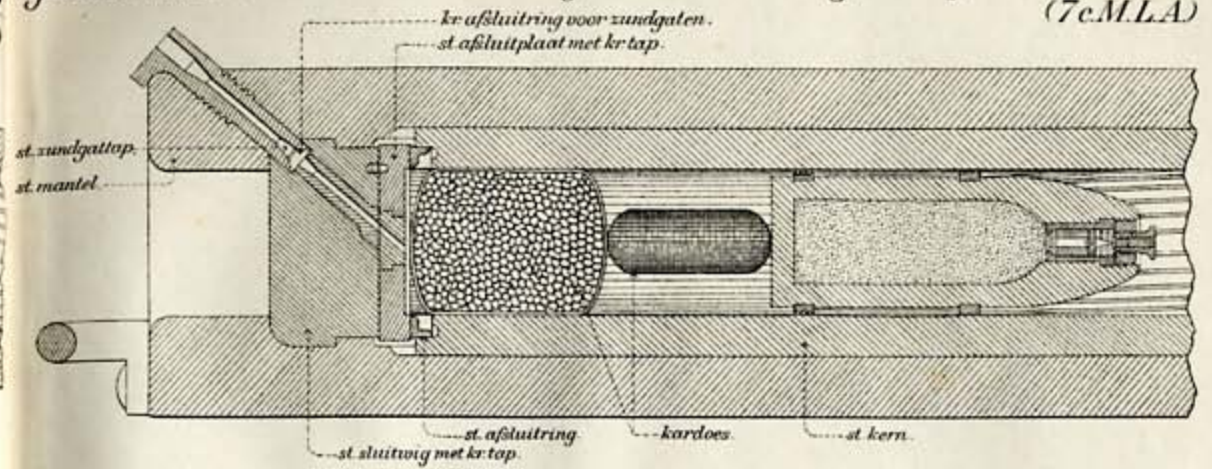


Fig. 3. (1/2) Affiut tot 7 c.M. K.A.

Van ter zijde met afgenomen rechtterrad.

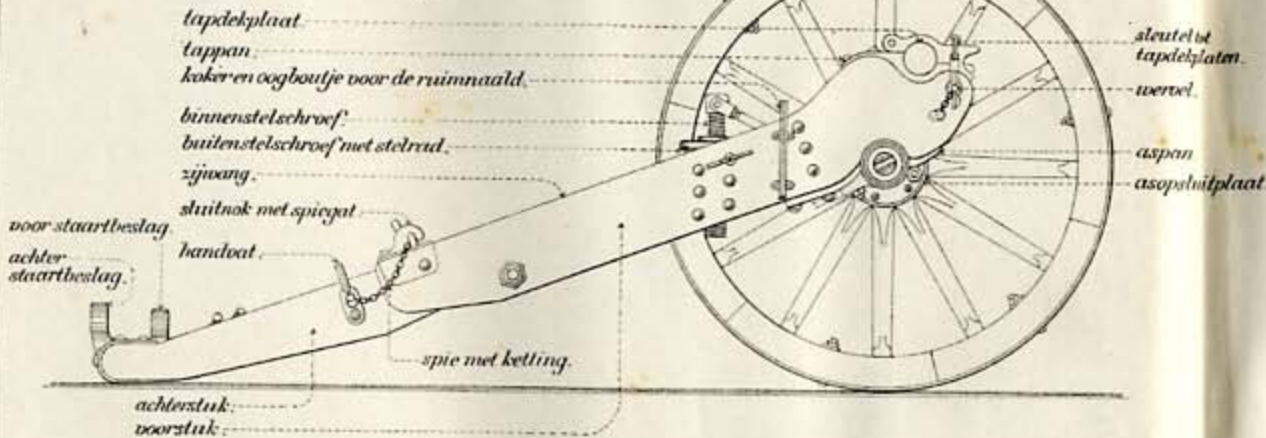
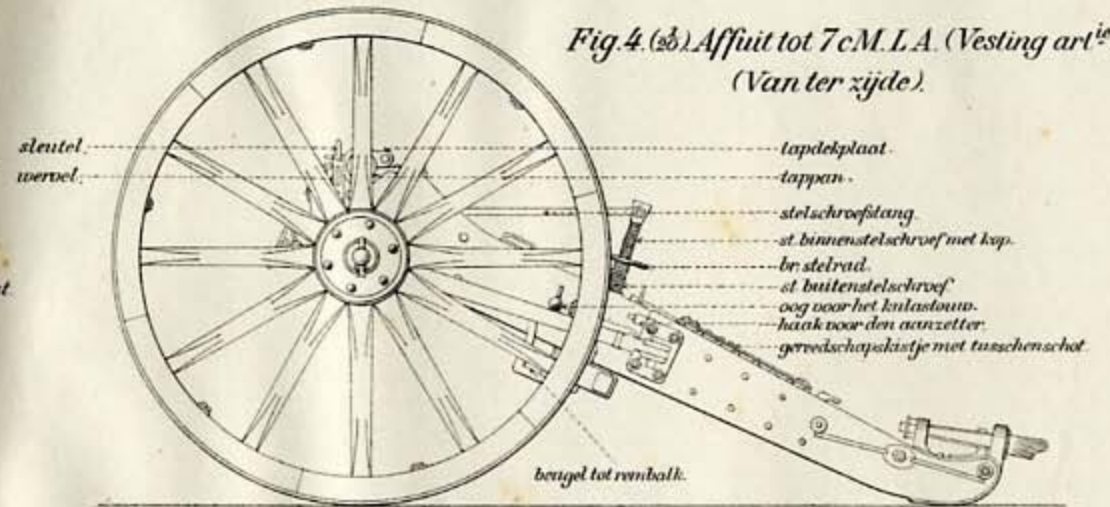
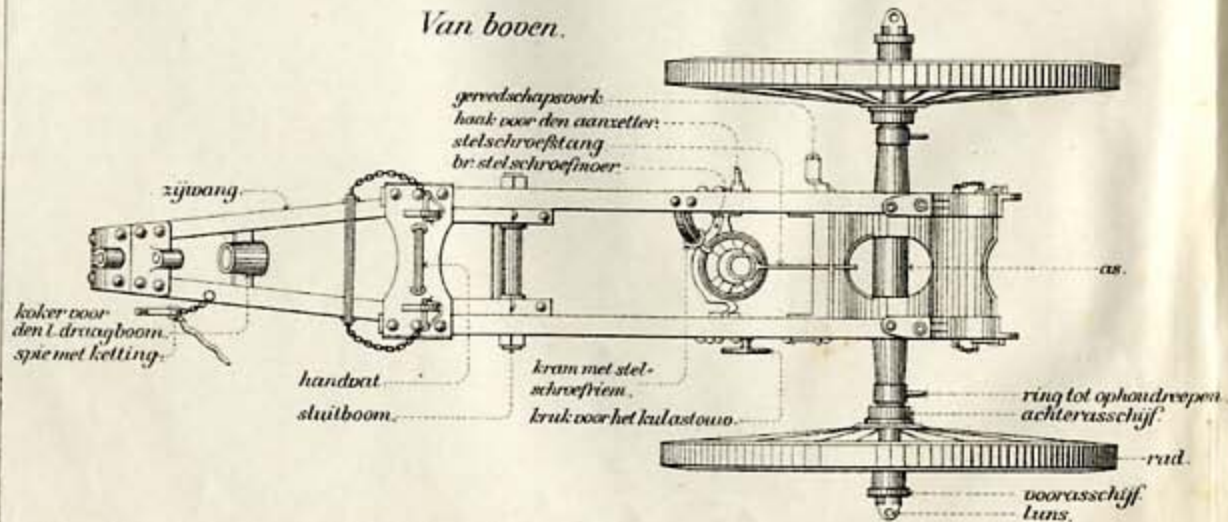


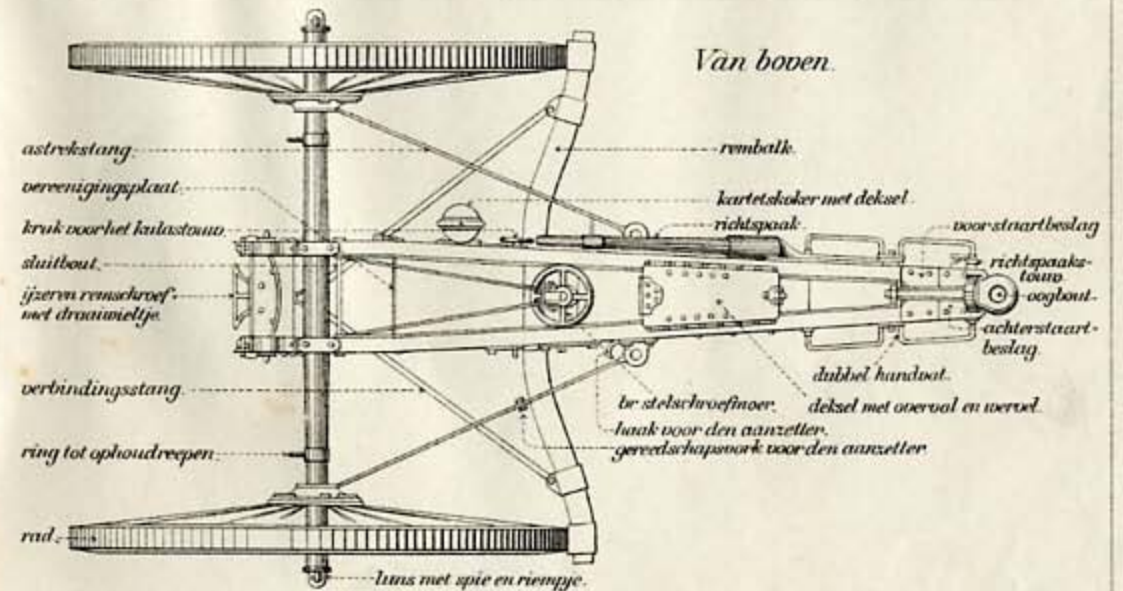
Fig. 4. (1/2) Affiut tot 7 c.M. L.A. (Vesting art^{ie}). (Van ter zijde.)

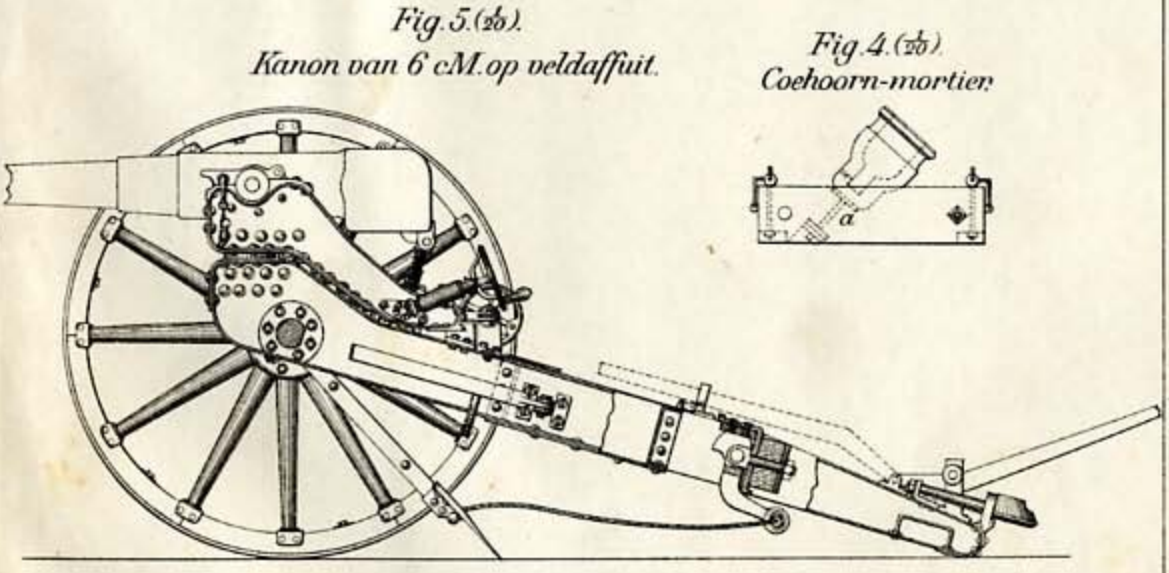
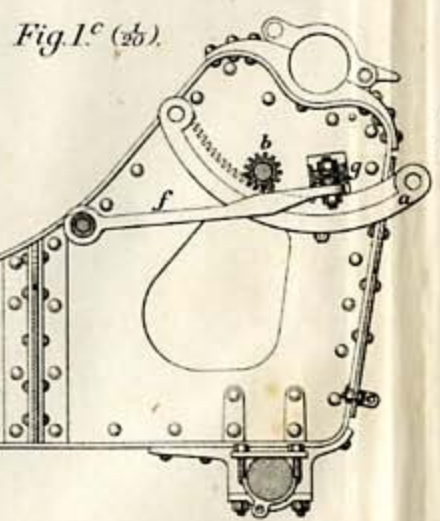
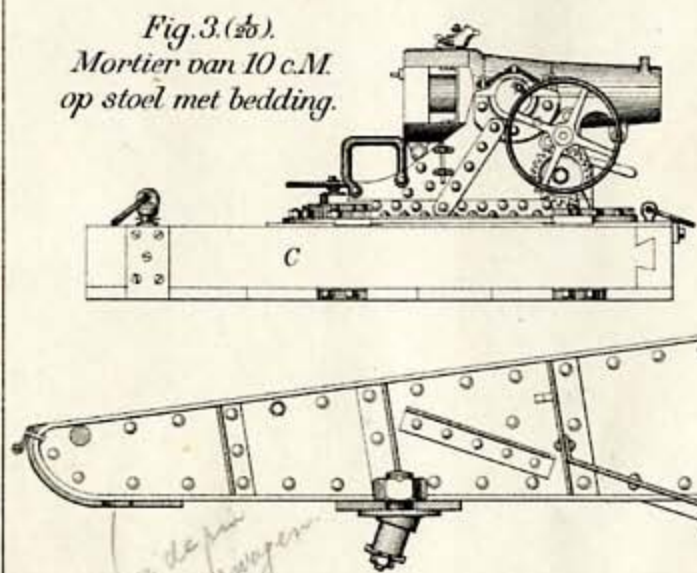
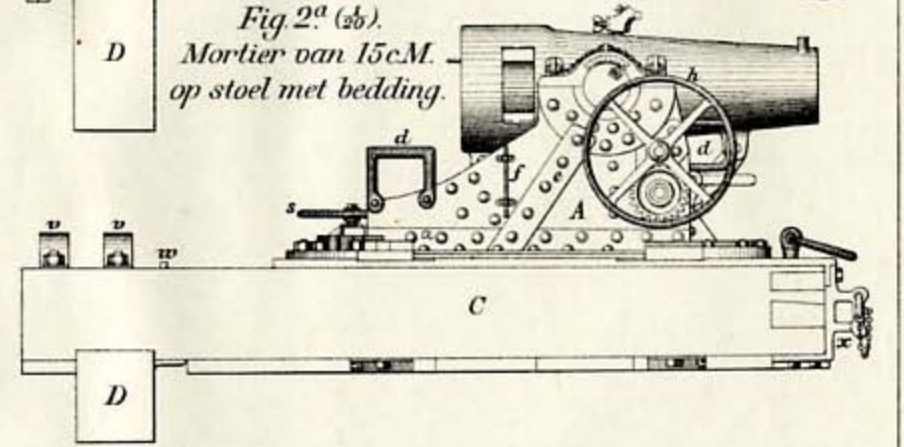
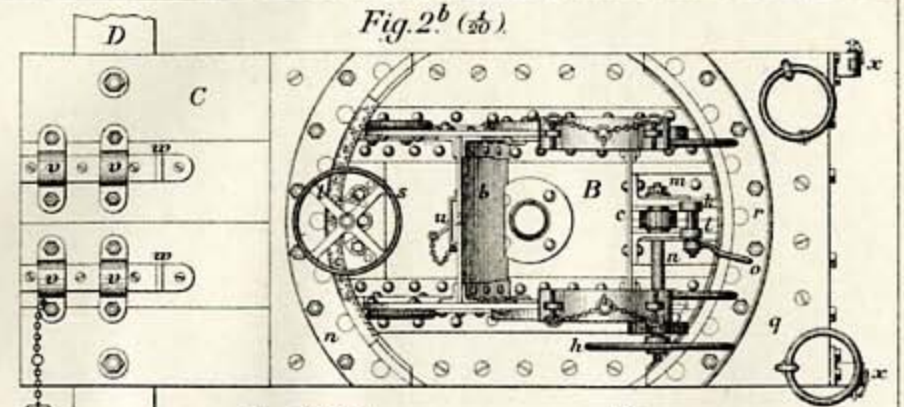
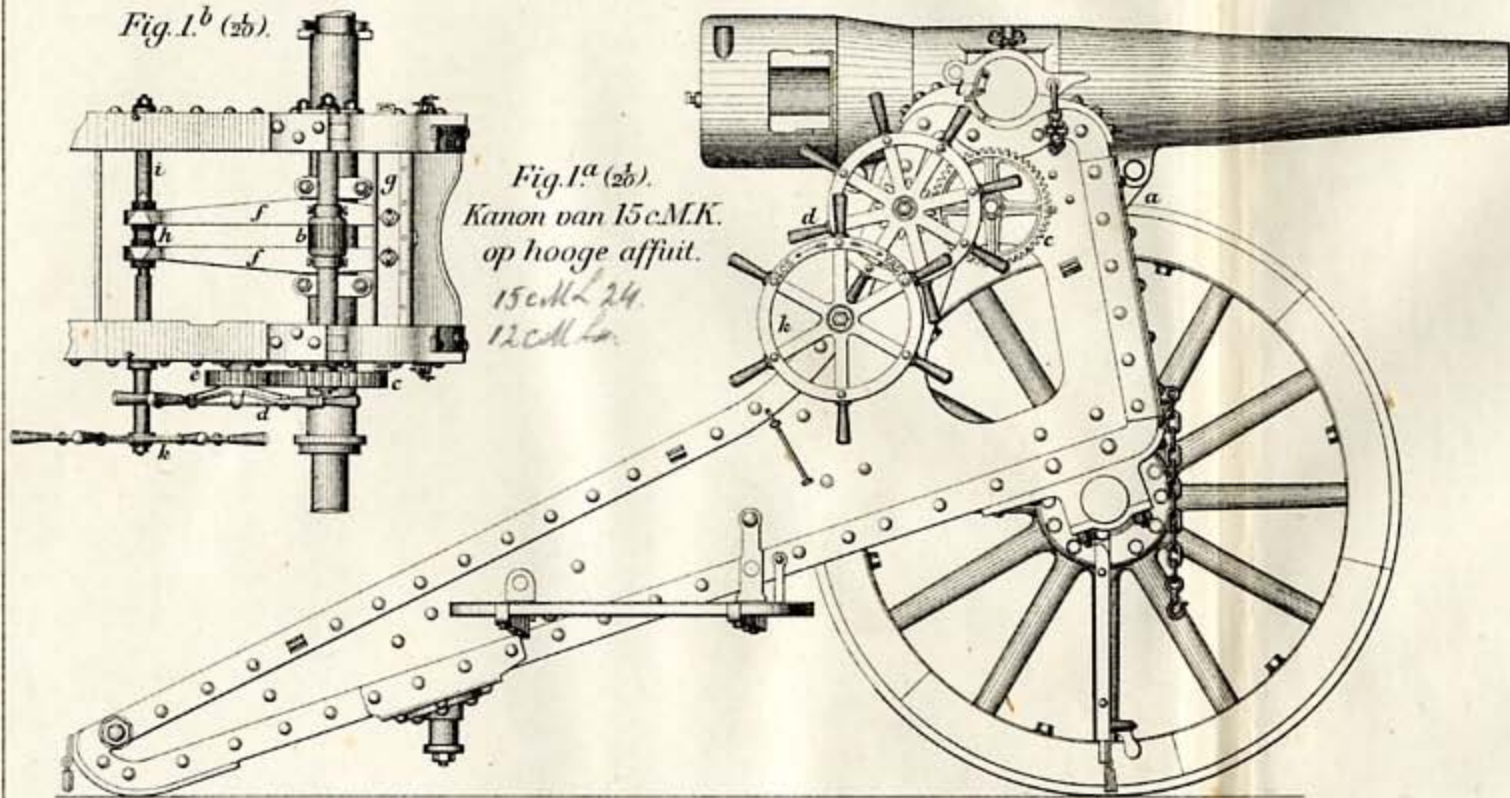


Van boven.



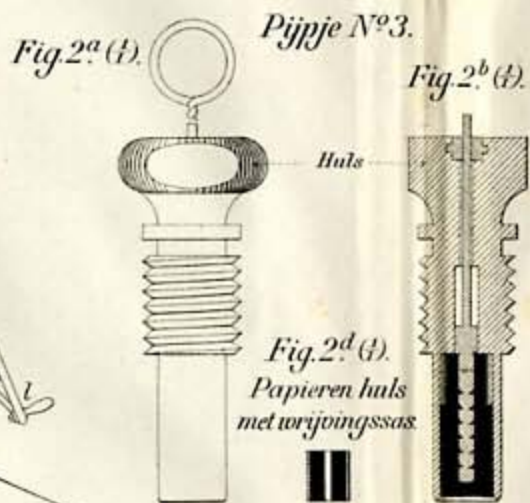
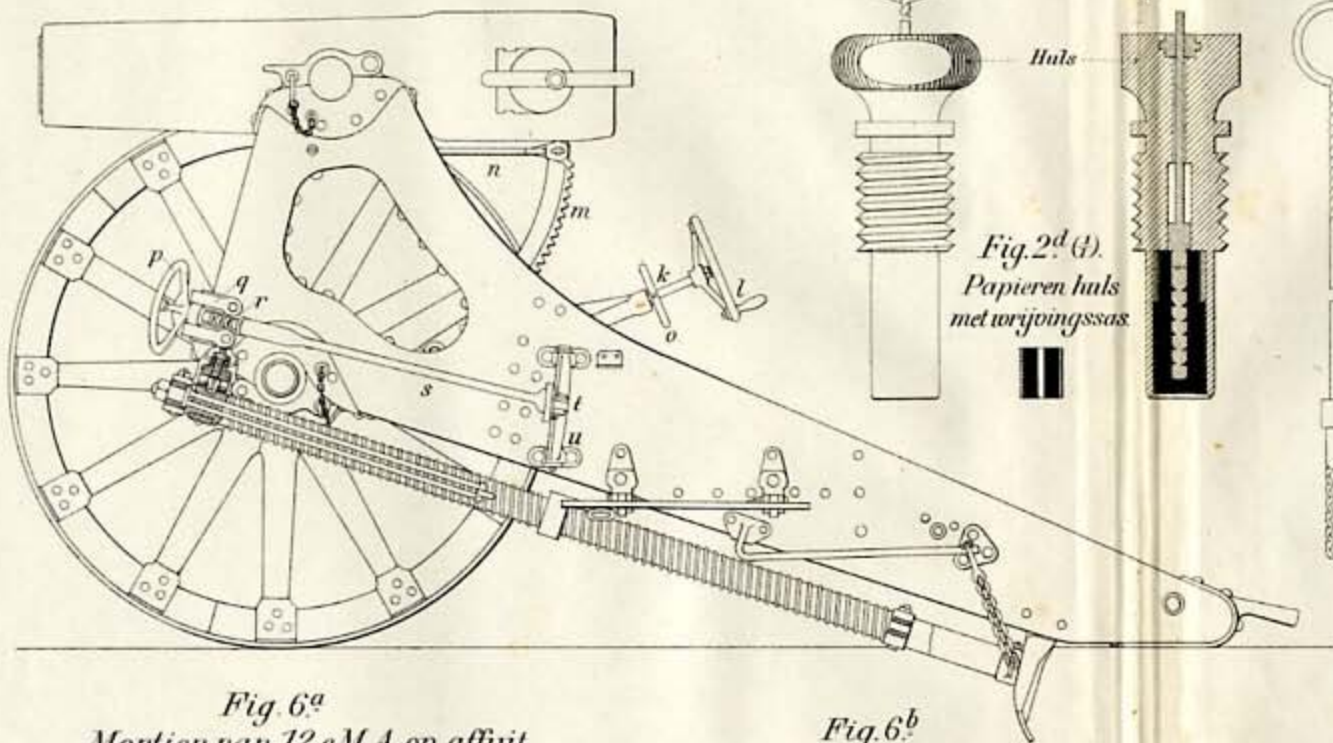
Van boven.





*Wijziging van de p...
 wijziging voorwerpen*

Fig. 1^a
Houwitser van 12 c.M.A. op affuit.



Projectielen 12c.M.Hw.en Mr. (ledig).

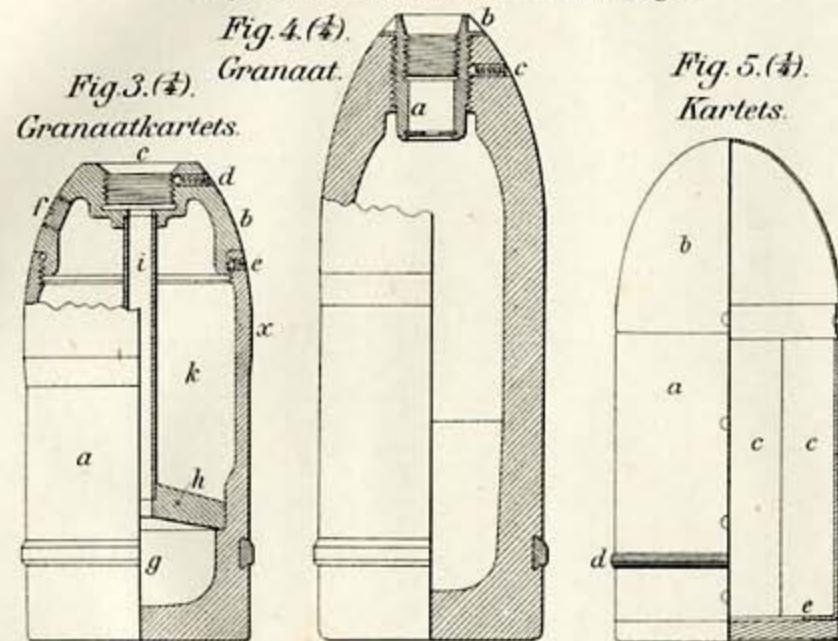


Fig. 6^a
Mortier van 12 c.M.A. op affuit.

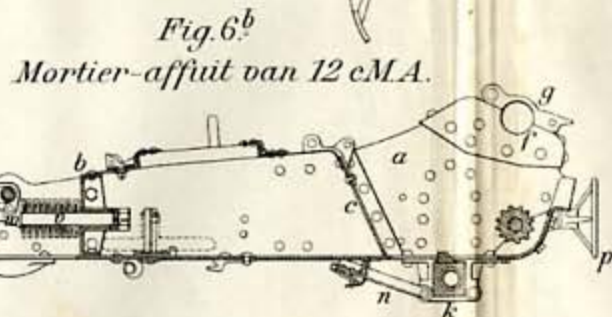
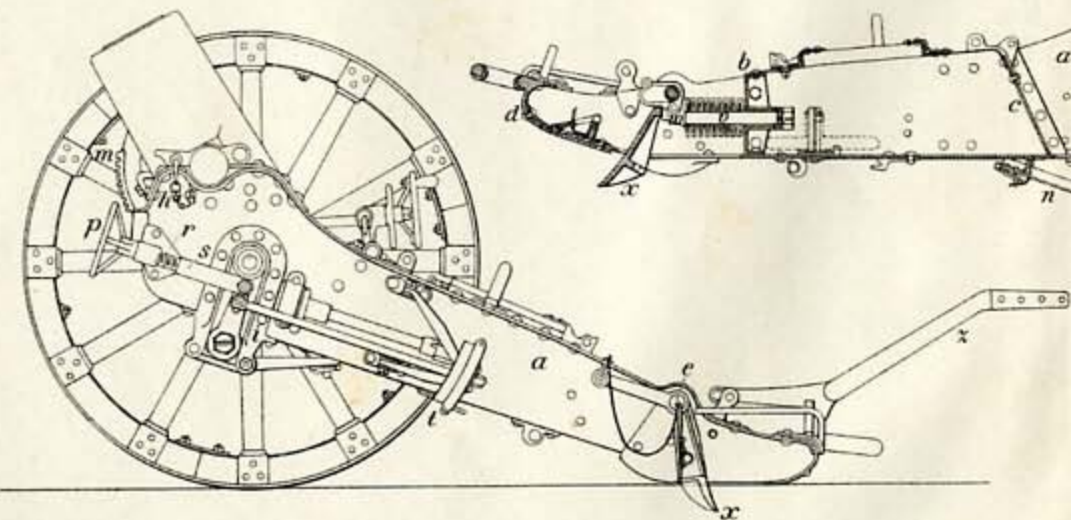


Fig. 1^b
Houwitser-affuit van 12 c.M.A.

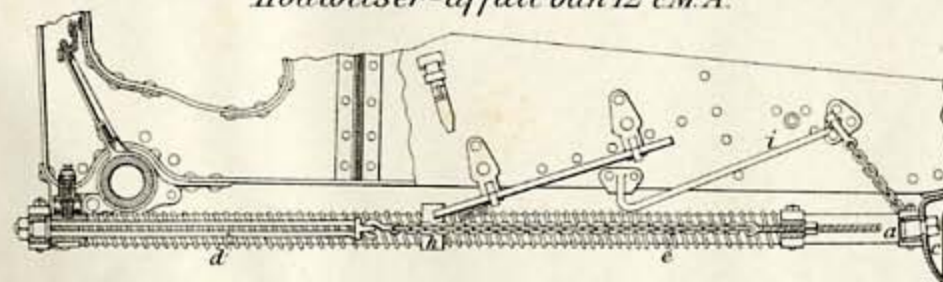
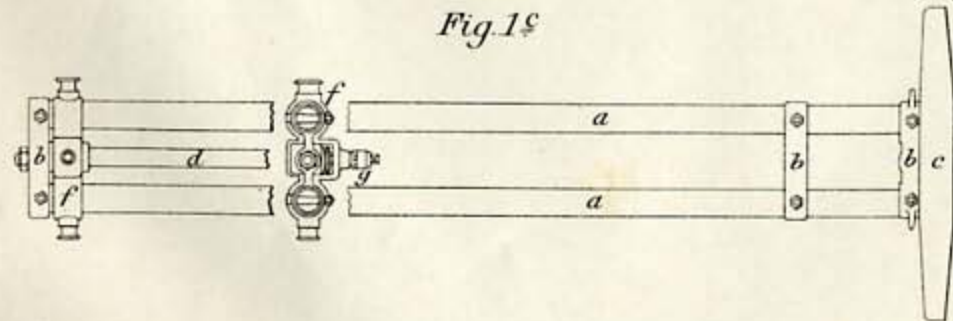
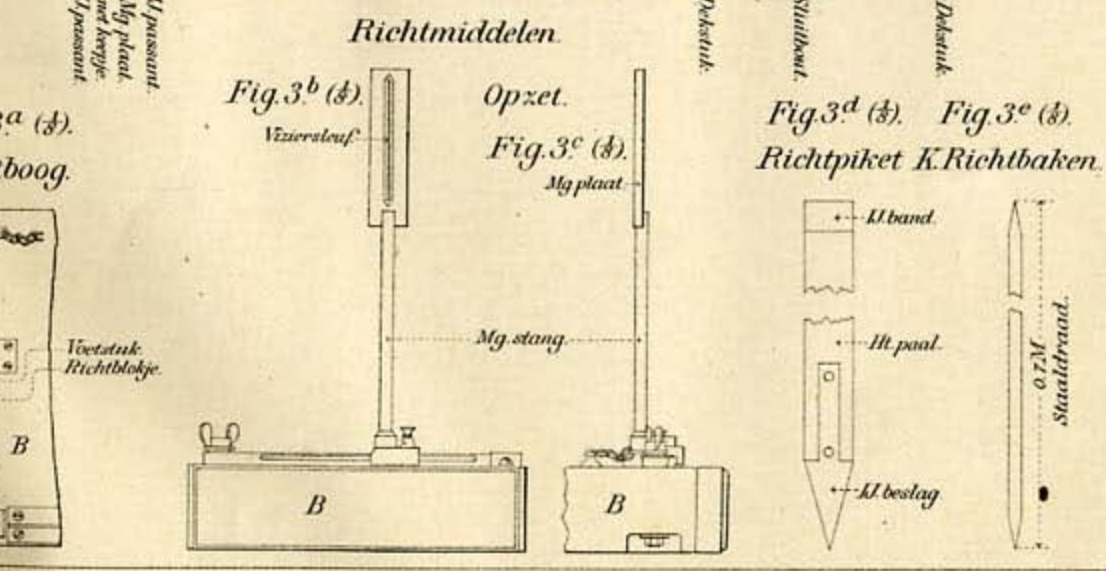
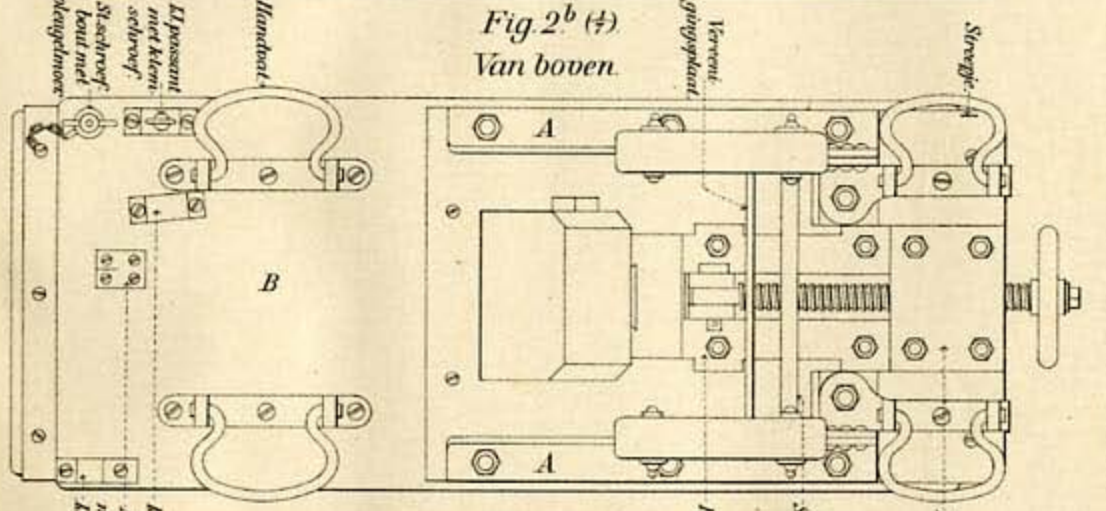
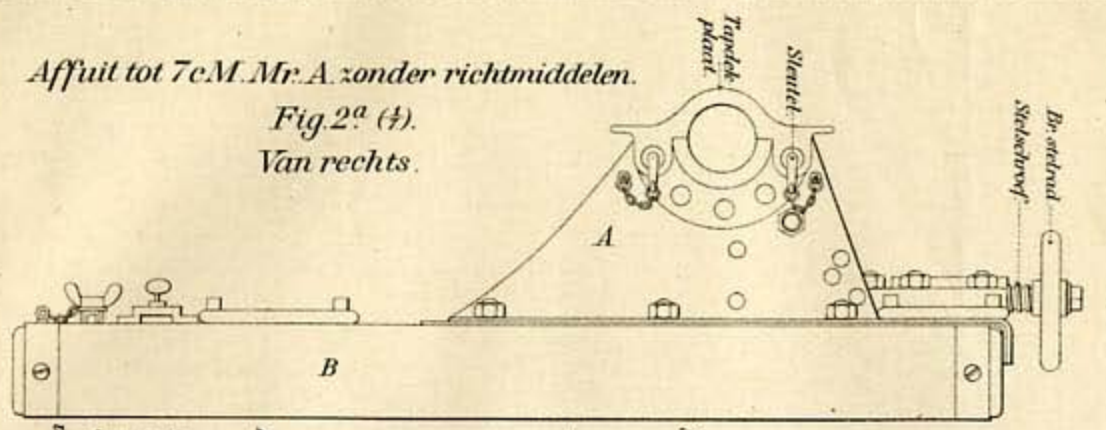
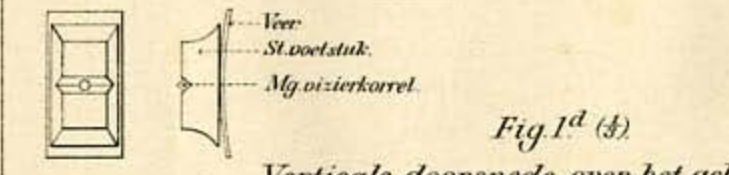
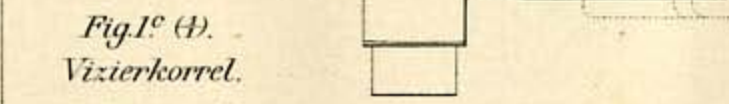
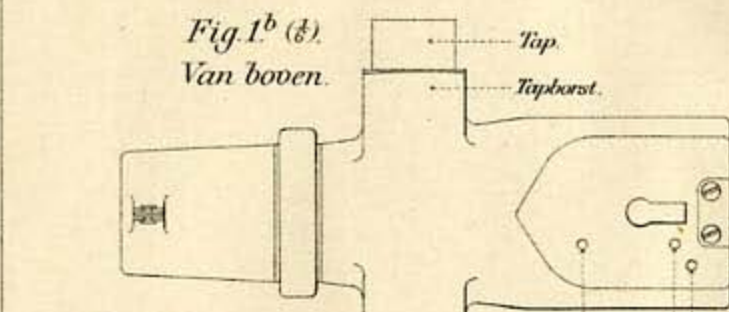
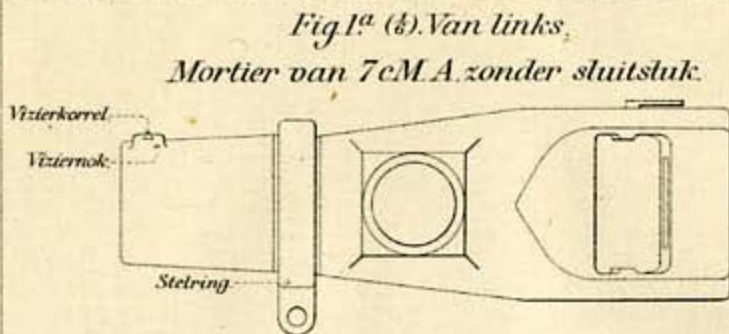
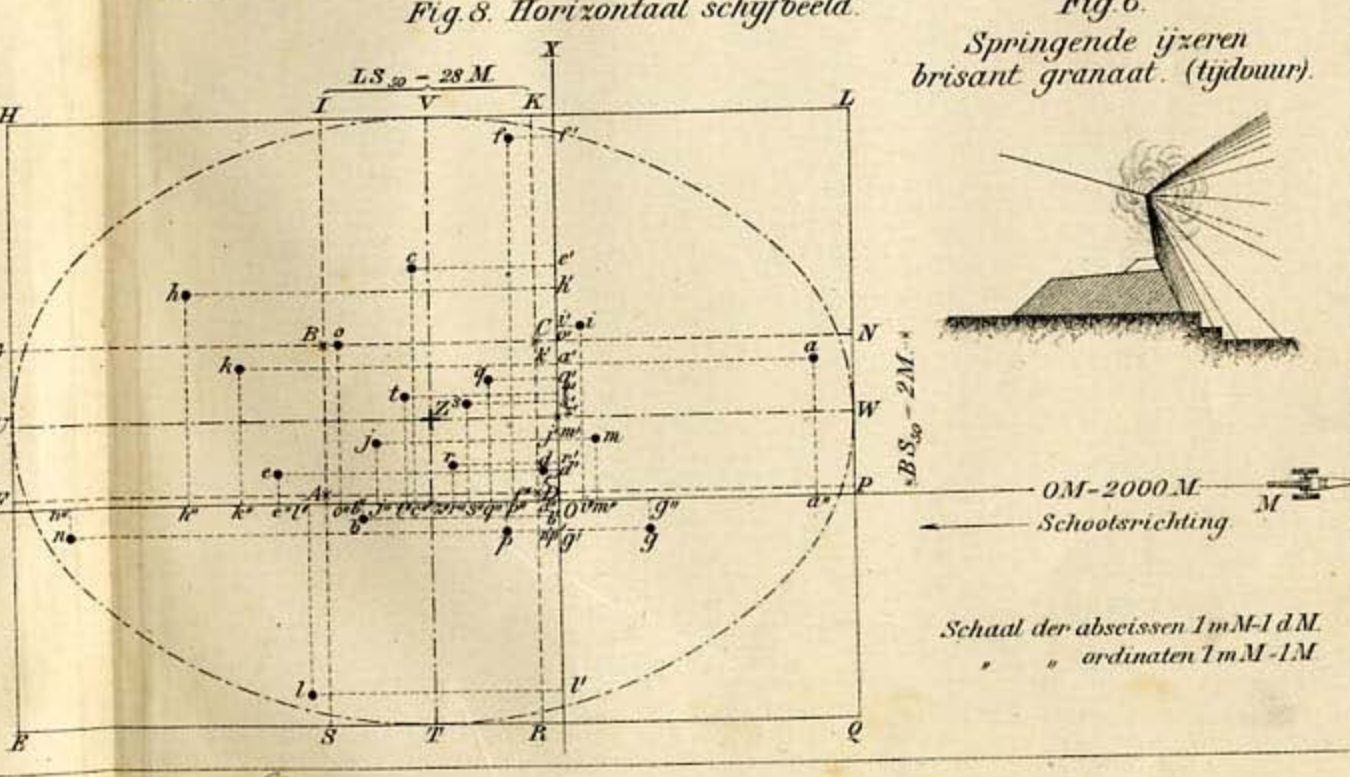
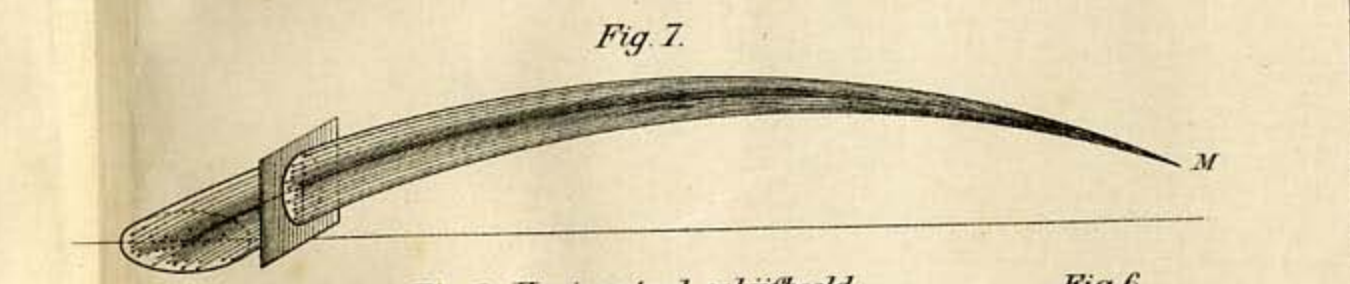
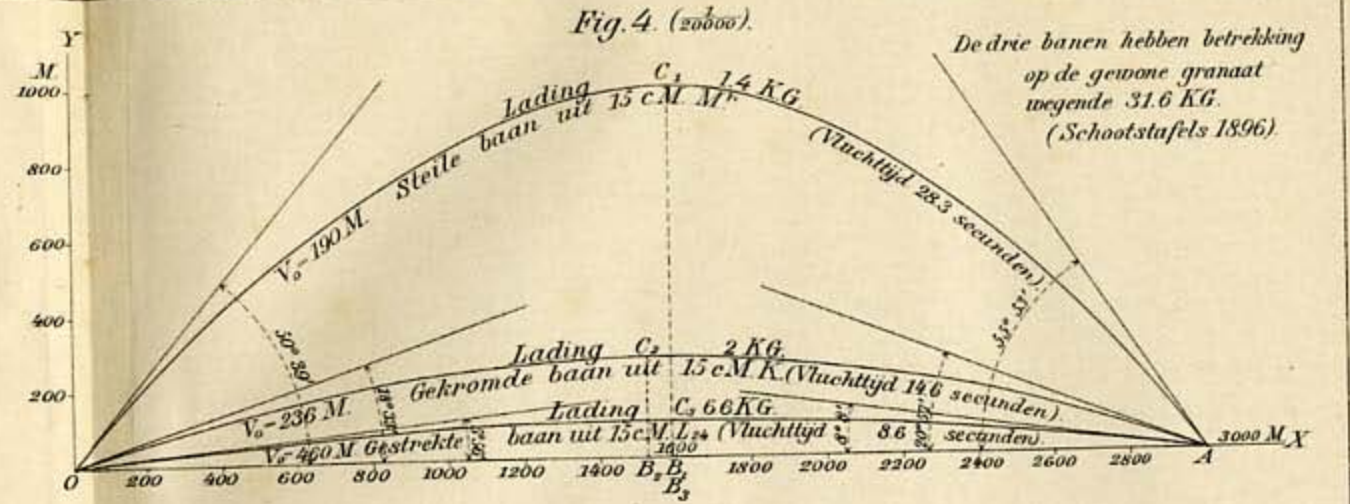
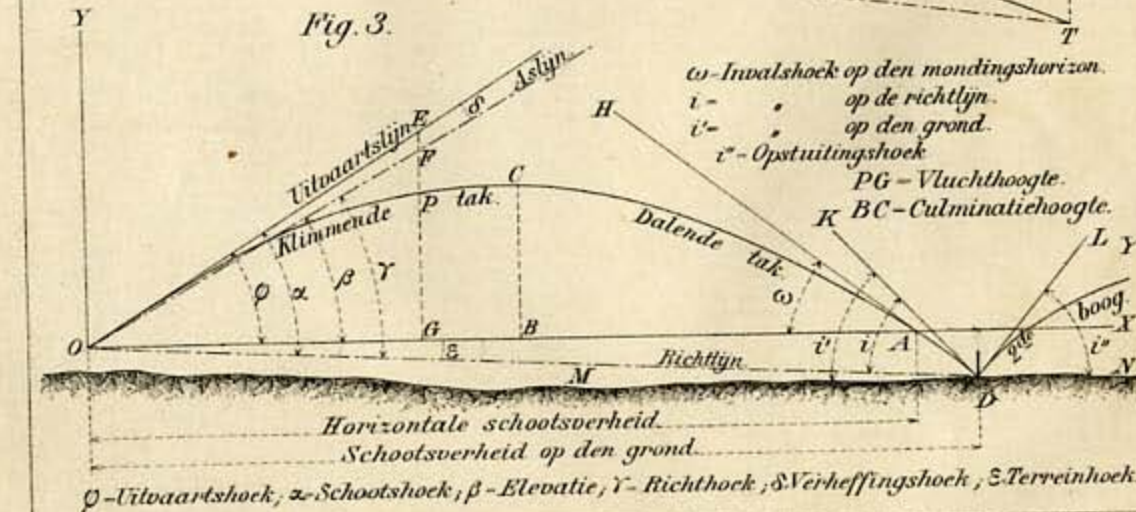
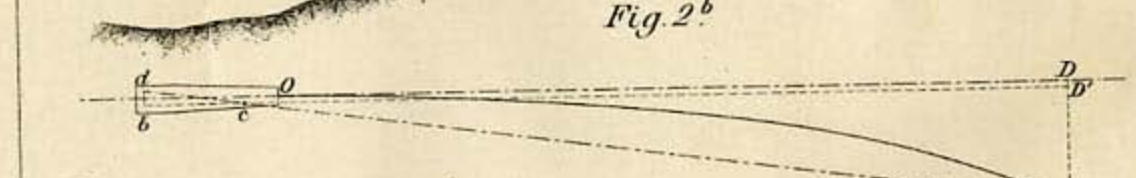
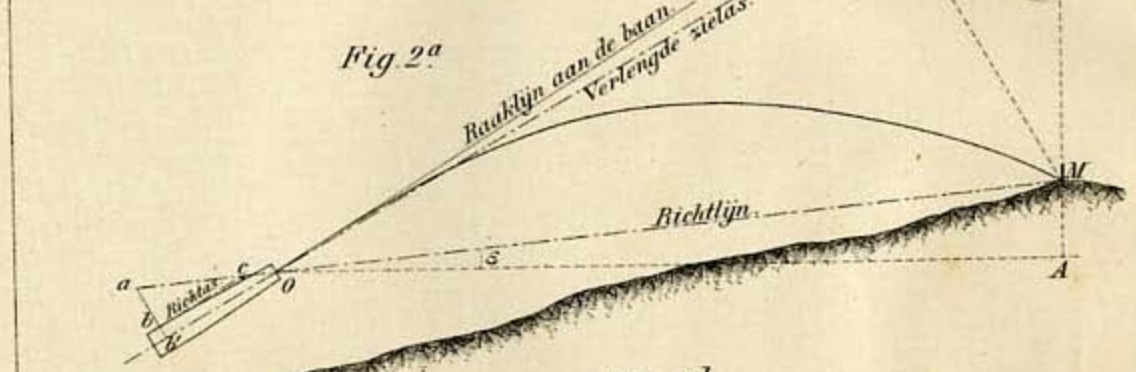
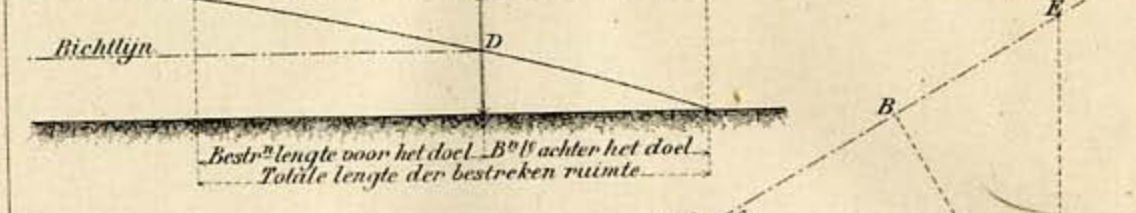
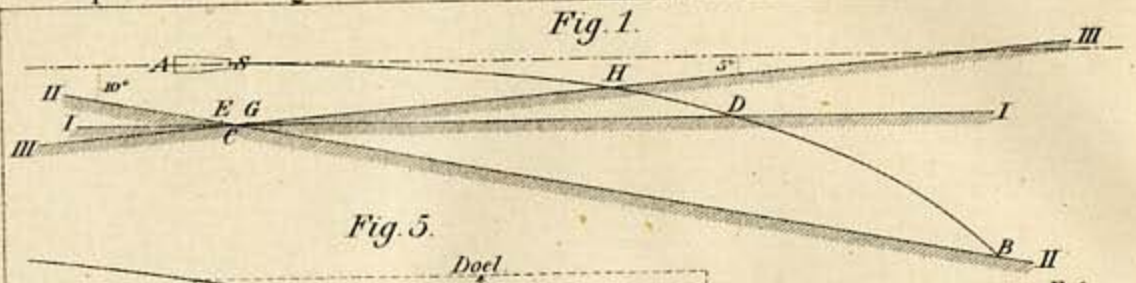


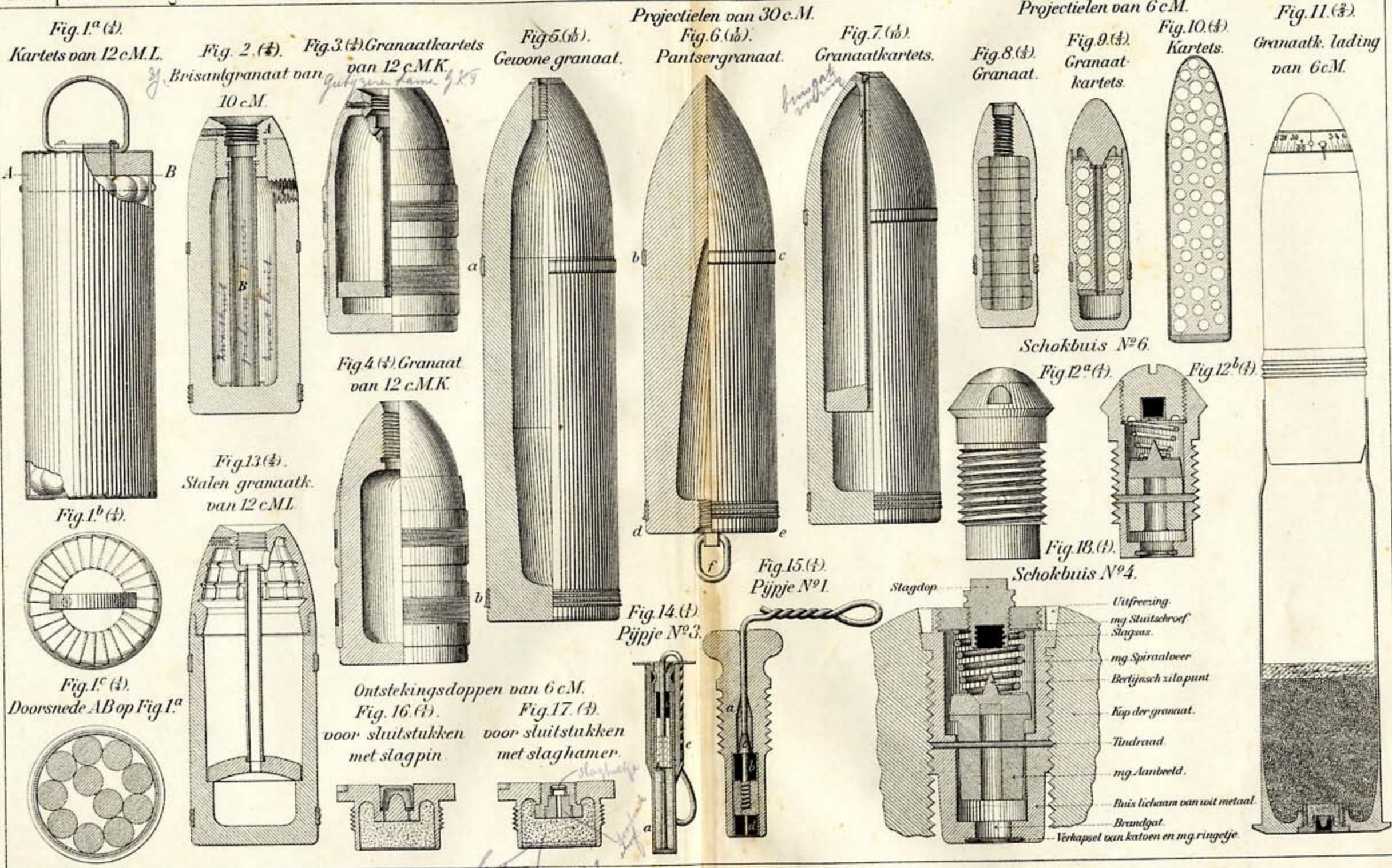
Fig. 1^c







Handwritten notes at the bottom of the page: $\frac{b}{a} = \frac{p}{q}$, $b = a \frac{p}{q}$, $p = \frac{m}{1000}$



Projectielen van 12 cM L/40.

Fig 1. (†)

Stalen kogel met kap.

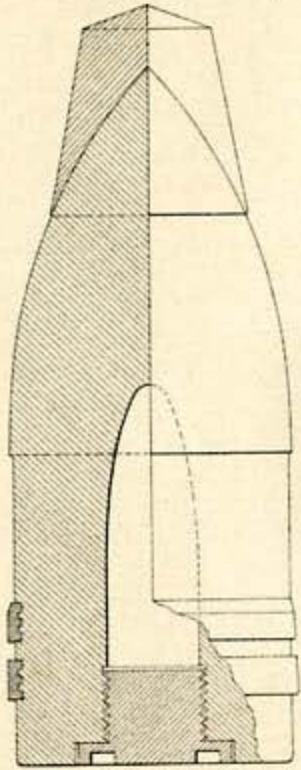
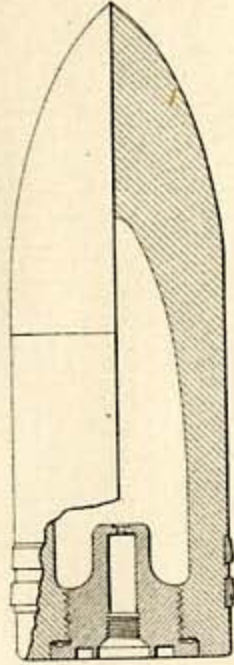


Fig 2. (†)

Half pantsergranaat.



Tijdschokbuis N° 2.

Fig 5^a (†)

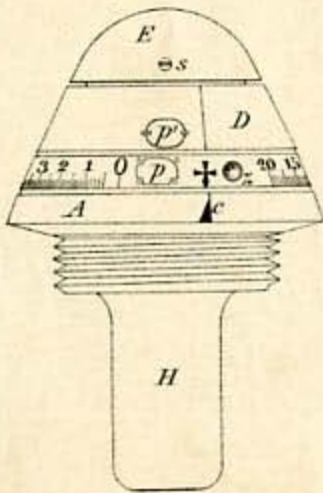


Fig 5^b (†)

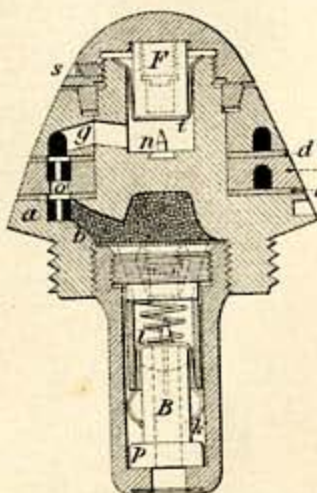


Fig 3. (†)

Schokbuis N° 5. Fig 4^a (†) Van voren Fig 4^b (†) Doorsnede AB.

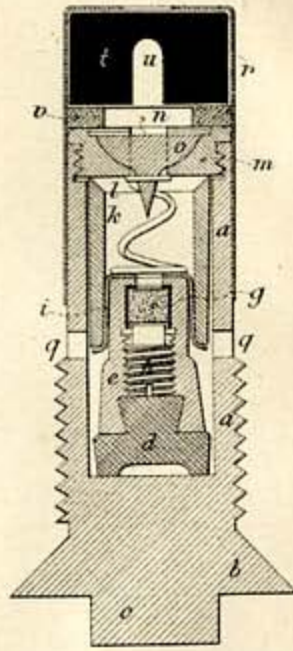


Fig 4^c (†)

Doorsnede CD op Fig 4^a



Pijpje N° 1.

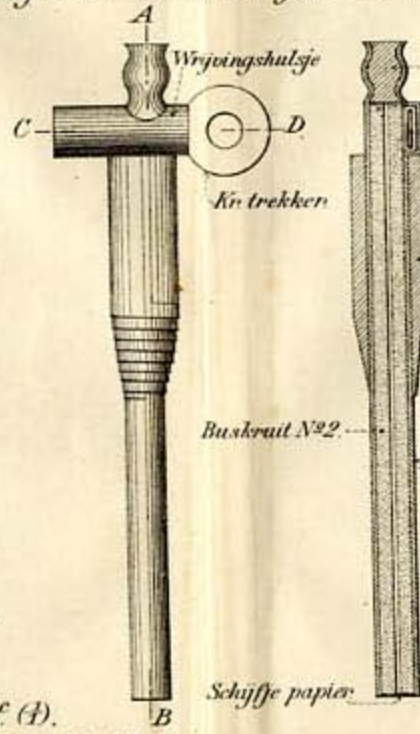


Fig 6^a (†)

Schokbuis N° 4.

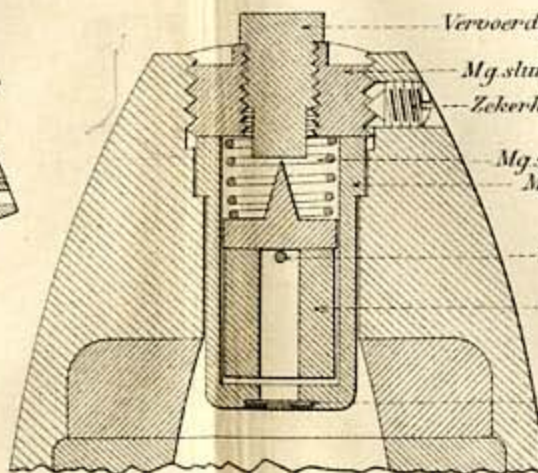


Fig 7^a (†)

Tijdbuis N° 2.

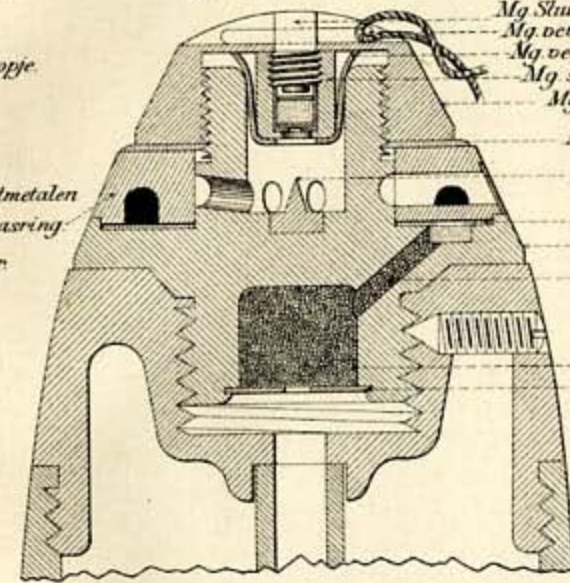


Fig 6^b (†)

Slagdop.



Fig 7^b (†)



Fig 7^c (†)

Van ter zijde.

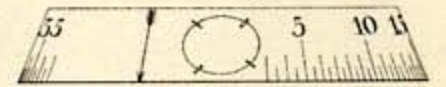


Fig 8. (†)

Schokbuis N° 3.

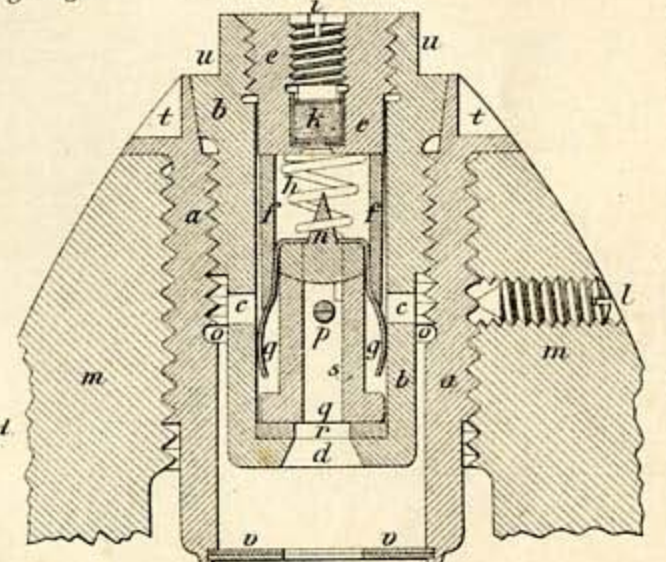
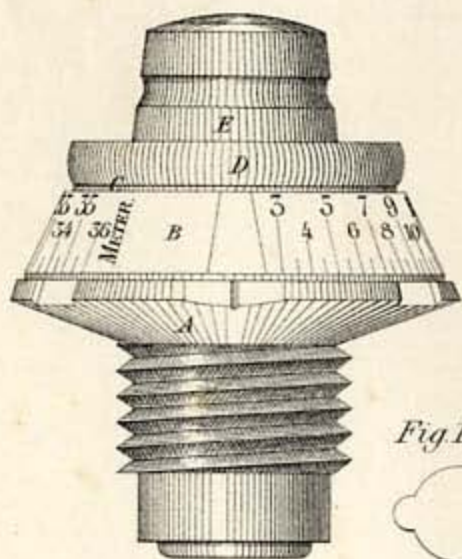


Fig.1^a (f)



Tijdbuis voor enkelen sasring. (NL)

Fig.1^b (f)

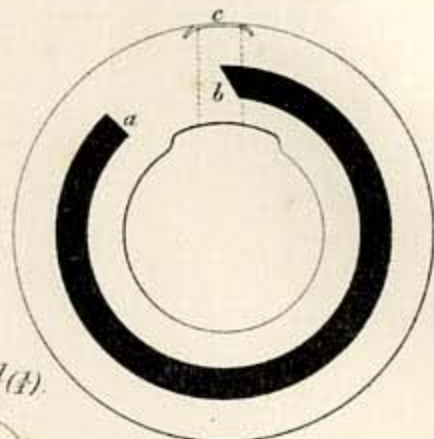
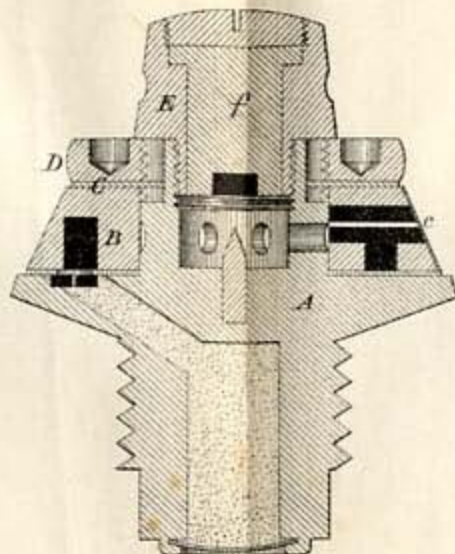


Fig.1^d (f)



Fig.1^c (f)



Tijdbuis N^o3. (NIL)

Fig.2^a (f)

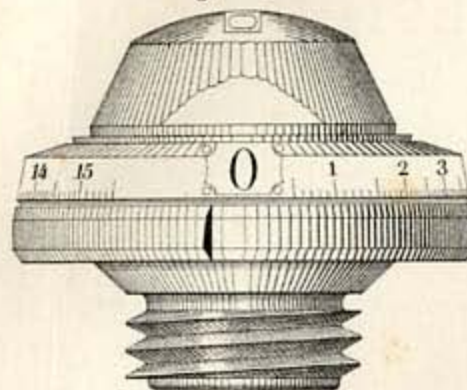


Fig.2^b (f)

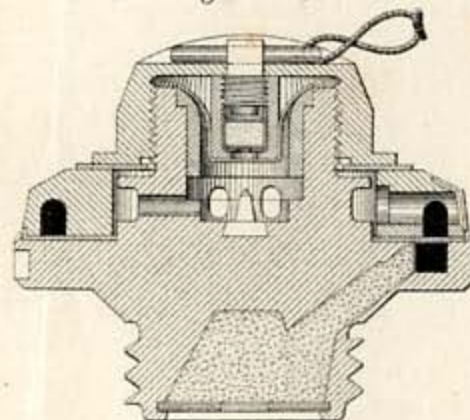


Fig.4^c (f)

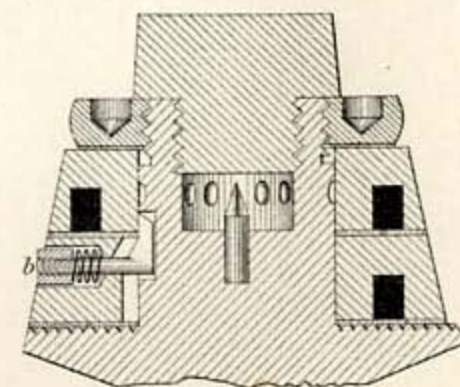
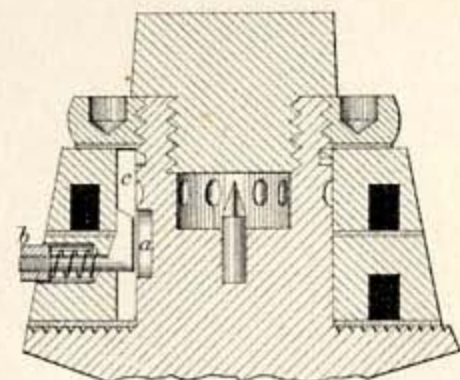


Fig.4^d (f)



Tijdbuis voor dubbelen sasring. N^o2. (NL)

Fig.4^a (f)

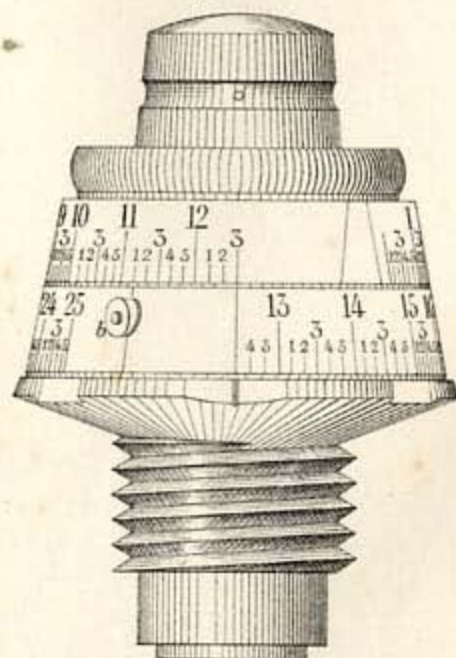


Fig.4^b (f)

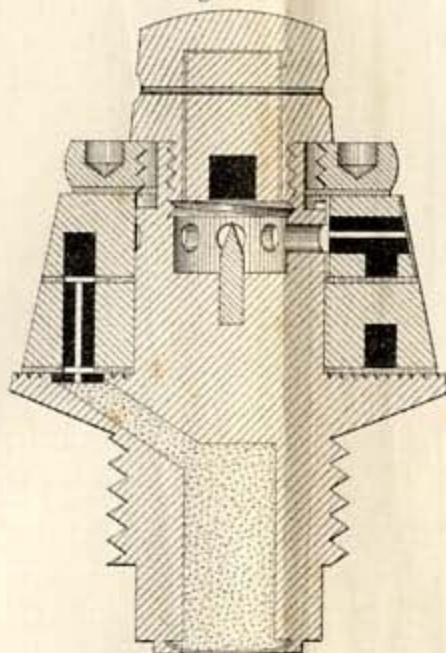


Fig.4^e (f)

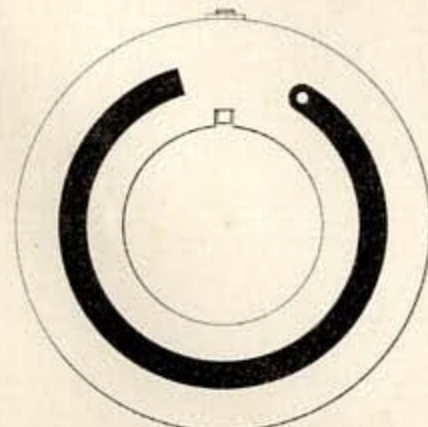


Fig.4^f (f)

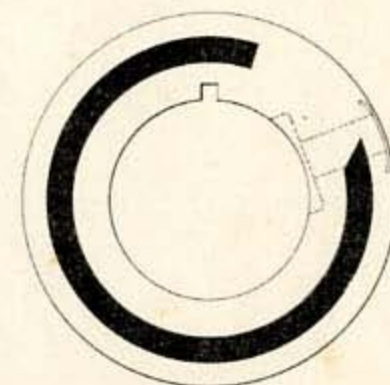
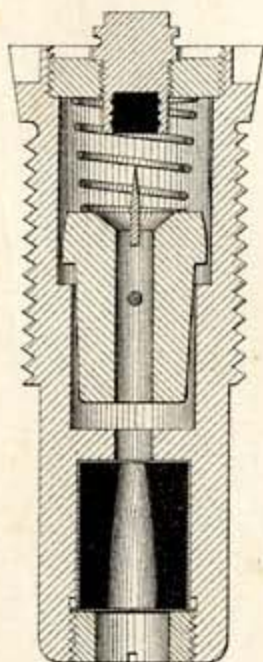
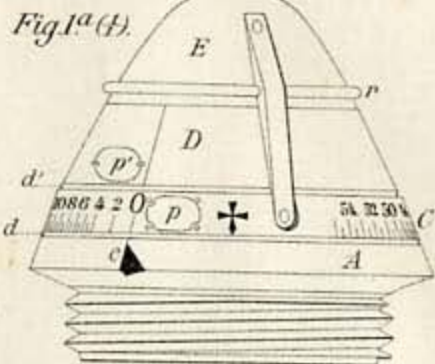


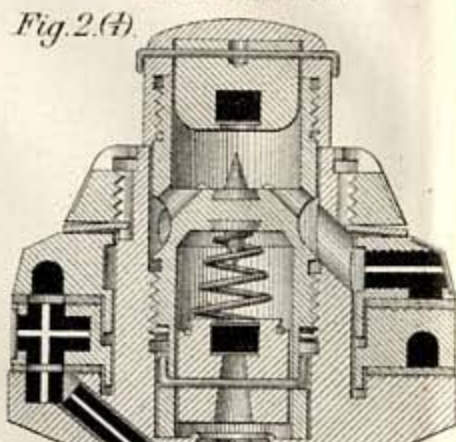
Fig.3. (f)
Schokbuis N^o1. (NL)



Tijdschokbuis voor 7cM. Snelvuur, Veld- en Bergartillerie (N.I.L.)



Tijdschokbuis voor 11Brisantgranaat van 10cM (N.L.)



Tijdschokbuis voor Vestinggeschut. (N.L.)

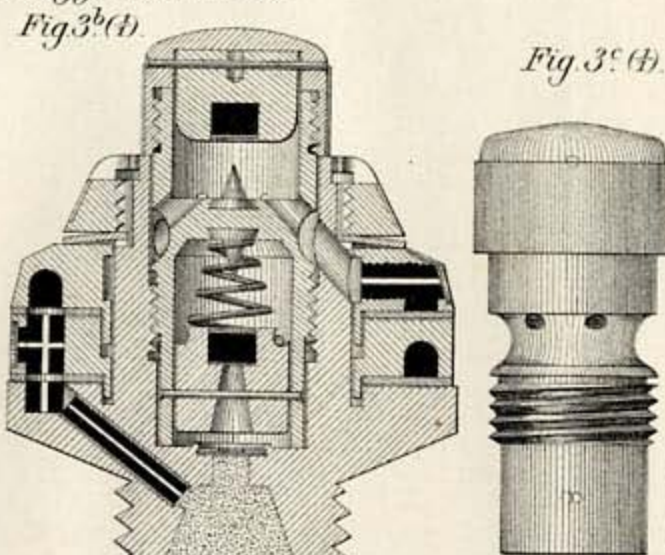


Fig. 1^b (t) van het op van het schot

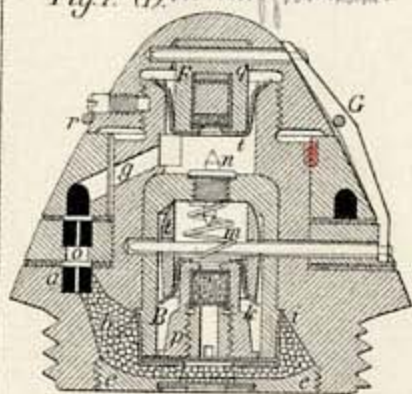
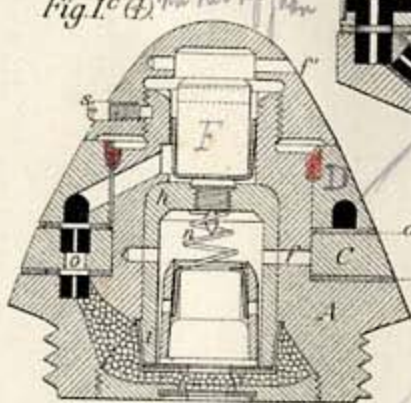
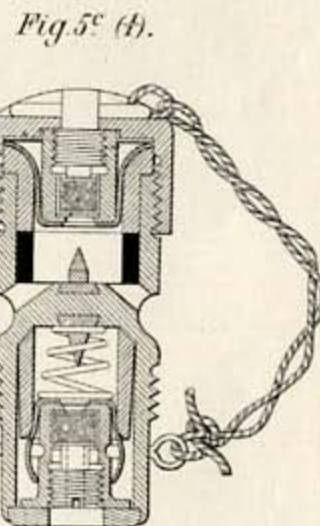
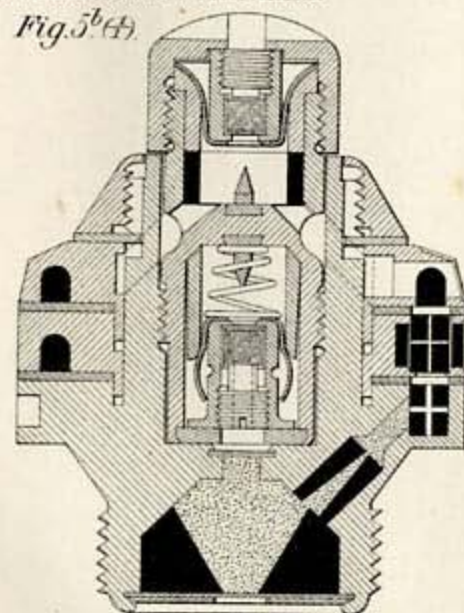
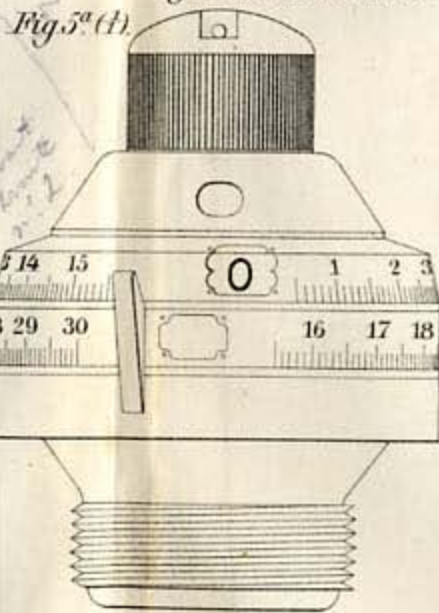


Fig. 1^c (t) na het op van



Tijdschokbuis voor 12 cM Hw. en Mr. A (N.I.L.)



Tijdschokbuis van 6cM (N.L.)

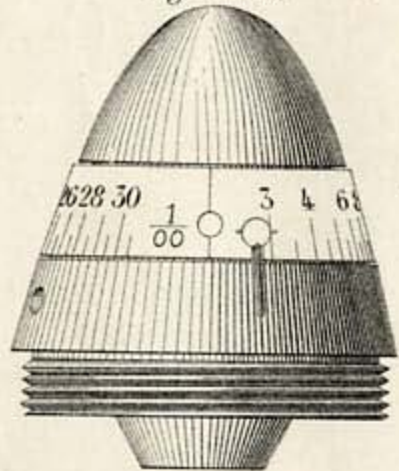
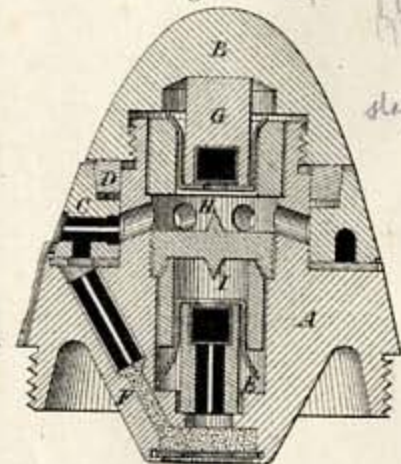


Fig. 4^b (t)



slaybuis

Fig. 5^a (t)

Fig. 5^b (t)

Fig. 5^c (t)

Fig. 1. (2b).
Kanon van 30 c.M.L/25

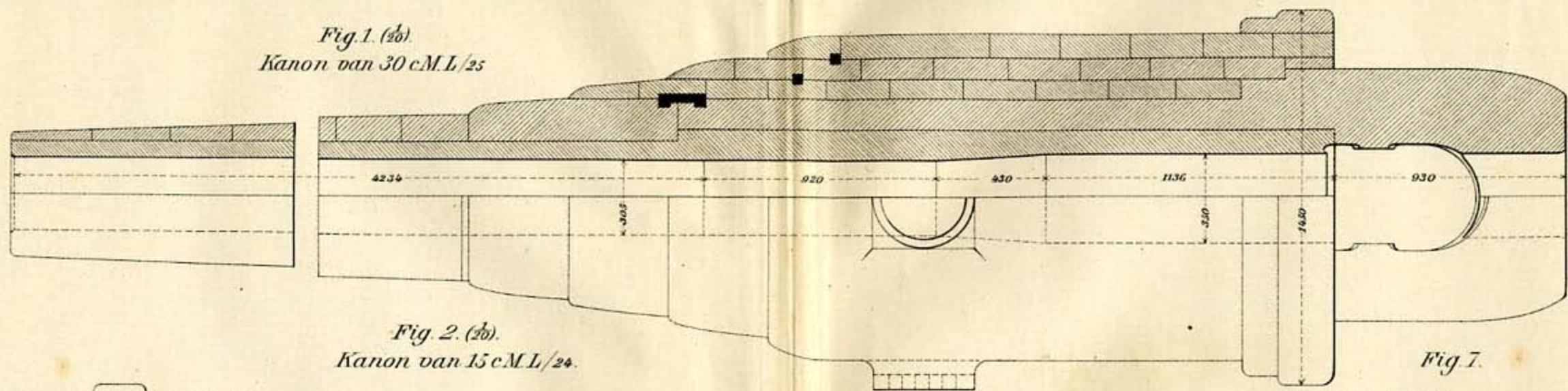


Fig. 2. (2b).
Kanon van 15 c.M.L/24.

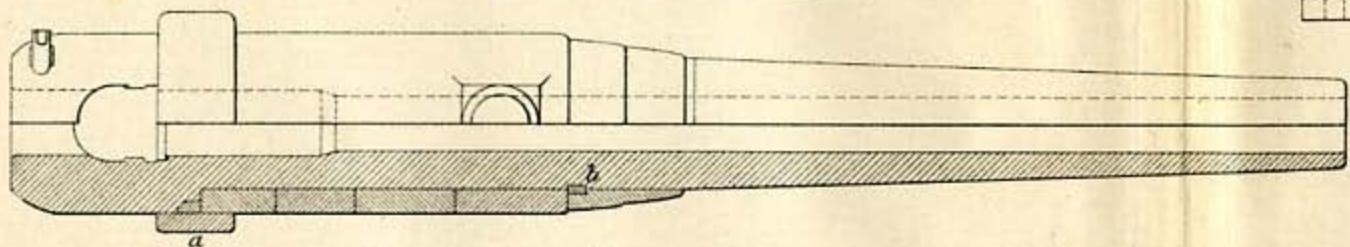
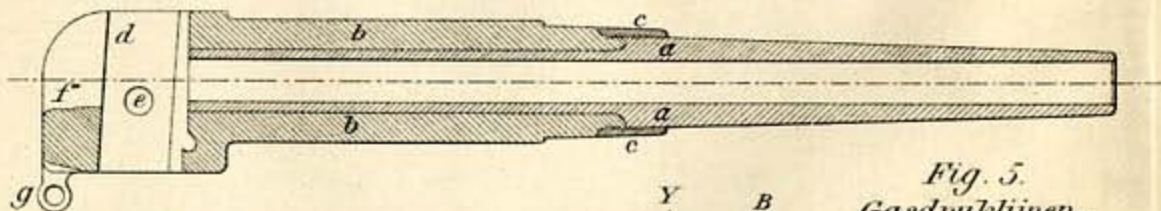


Fig. 3. (2b).
Kanon van 6 c.M.Veld.



Toestel tot het meten
van gasdrukken in hulzen.

Fig. 4^a (+).

Fig. 4^b (+).

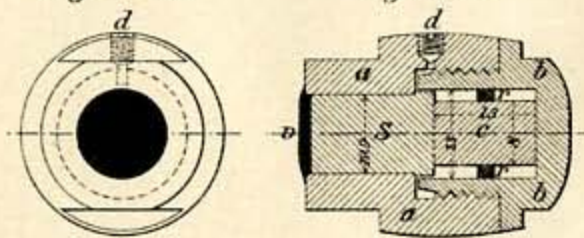


Fig. 5.
Gasdruktijnen.

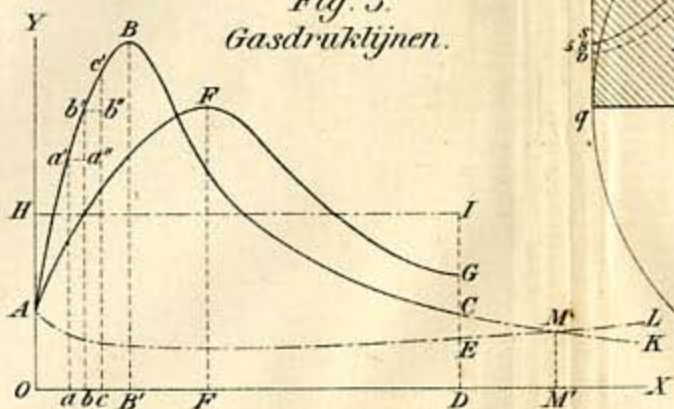


Fig. 6^a

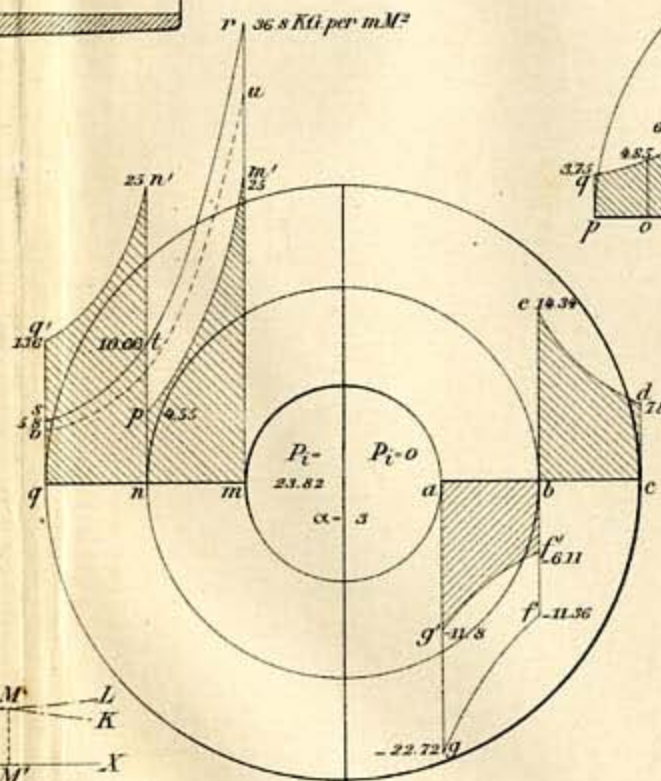


Fig. 7.

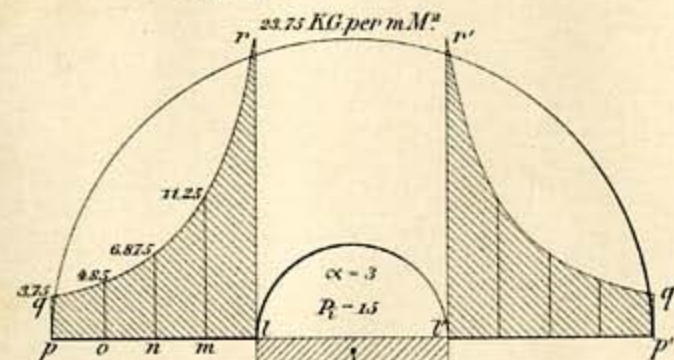
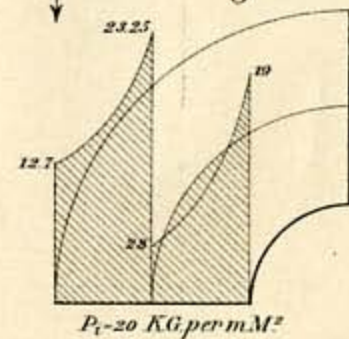


Fig. 6^b



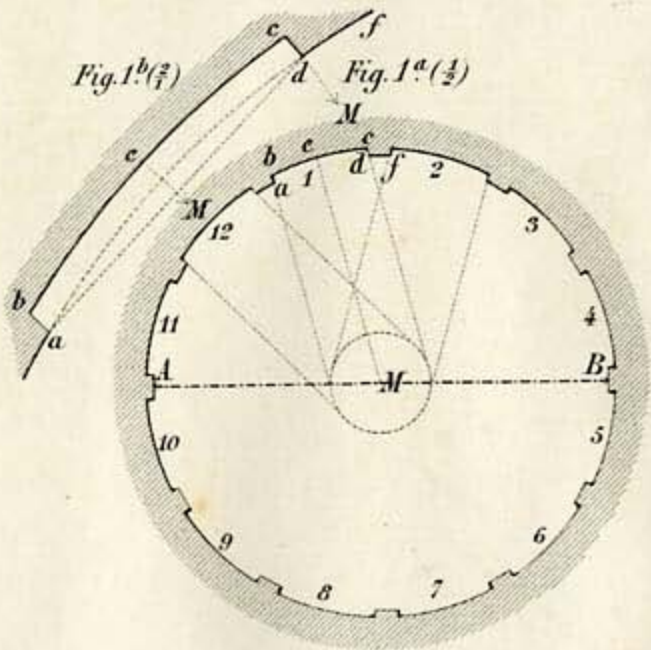


Fig. 2. (†)
Trekken van den 10 c.M.M.^r



Fig. 3. (†)
Trekken van een lang kanon. (8 c.M.St.)



Fig. 4.

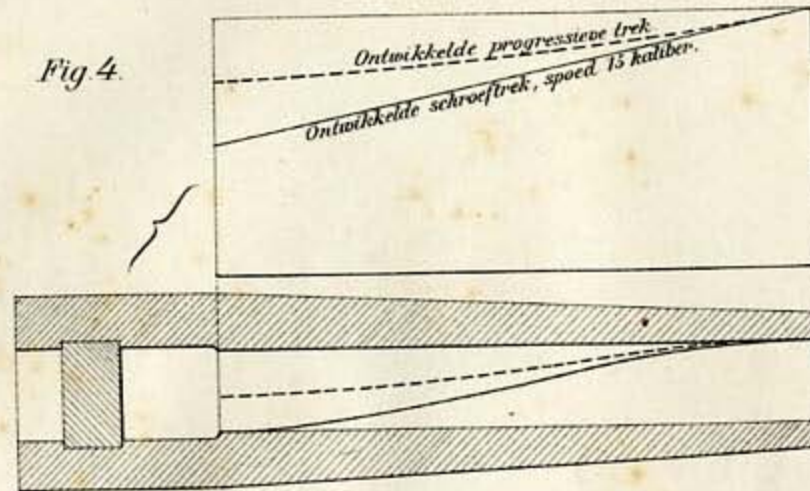


Fig. 5. (‡) Kanon van 12 c.M.L.St.

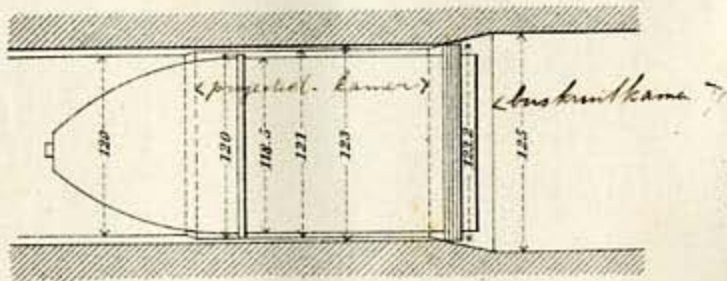


Fig. 7. (‡) Kanon van 8 c.M.St.

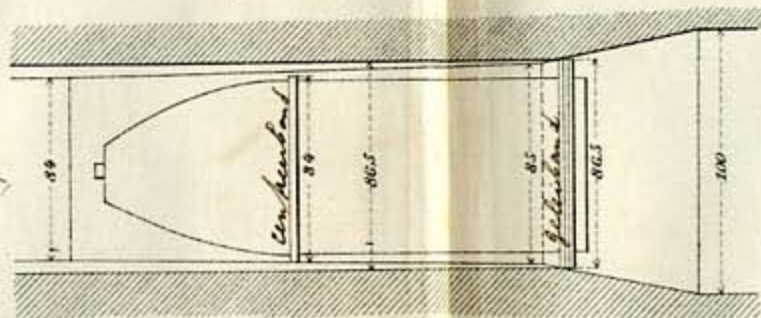


Fig. 9. (‡)
Gasafsluiting met plaat en ring

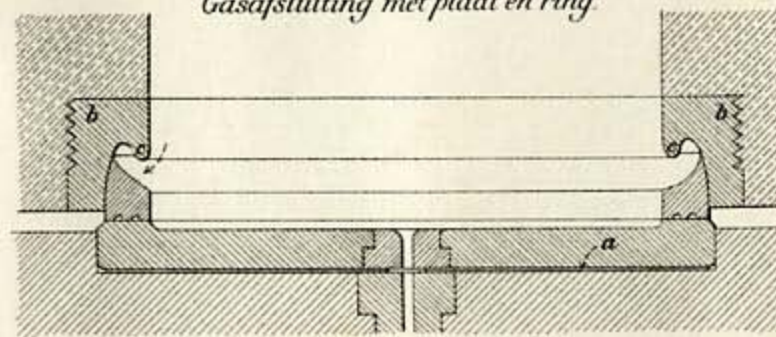


Fig. 6. (‡)
Kanon van 12 c.M.K.

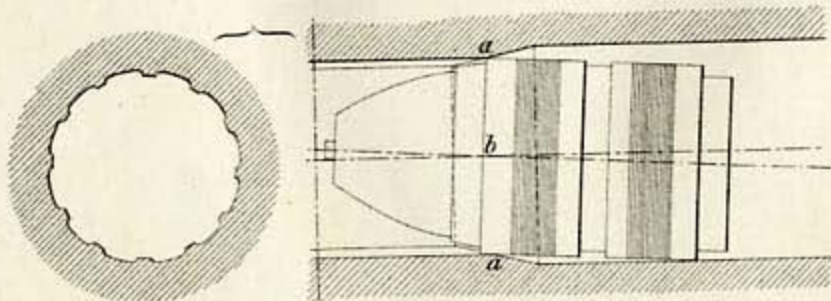


Fig. 8. (‡)



Fig. 10^a

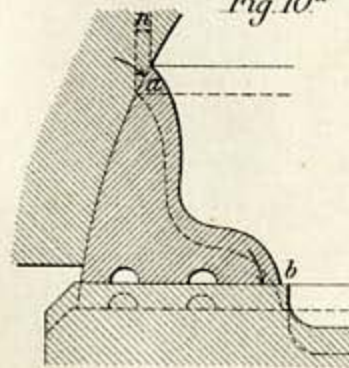


Fig. 10^b

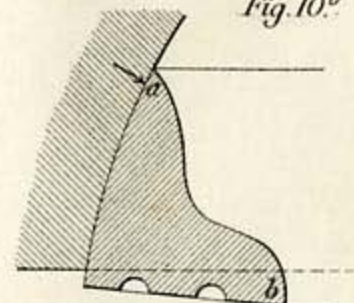


Fig. 1^b (3).

Kanon van 8 c.M. St.

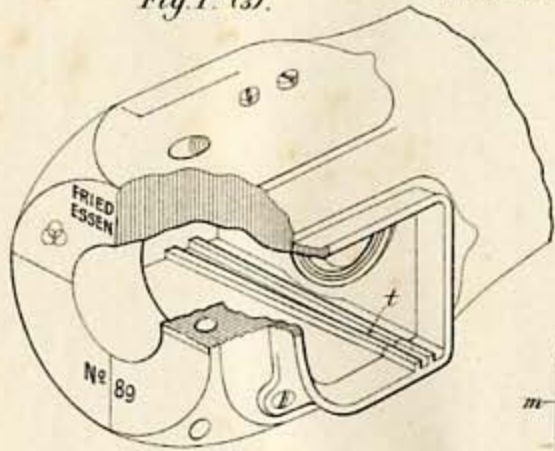


Fig. 1^a (3).

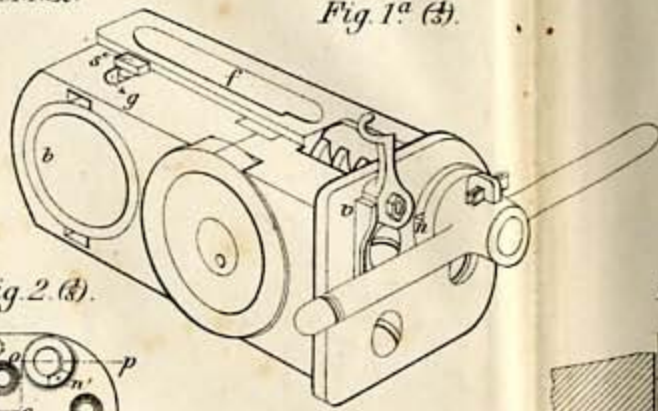


Fig. 2 (3).

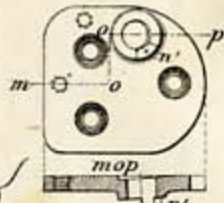


Fig. 1^c (3).

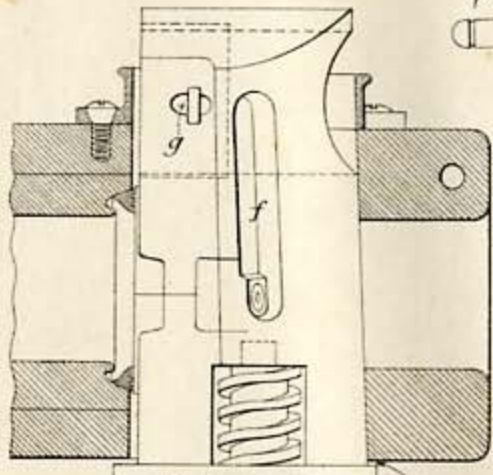


Fig. 1^d (3).

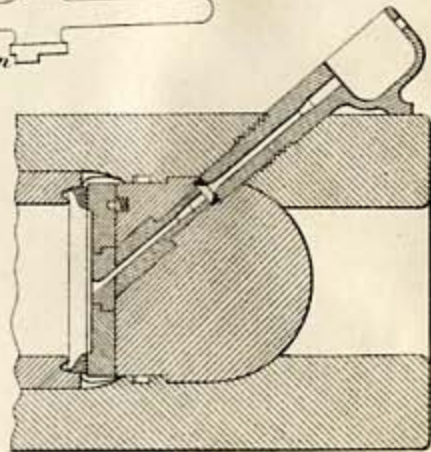


Fig. 5^b (3).
Transportschroef.

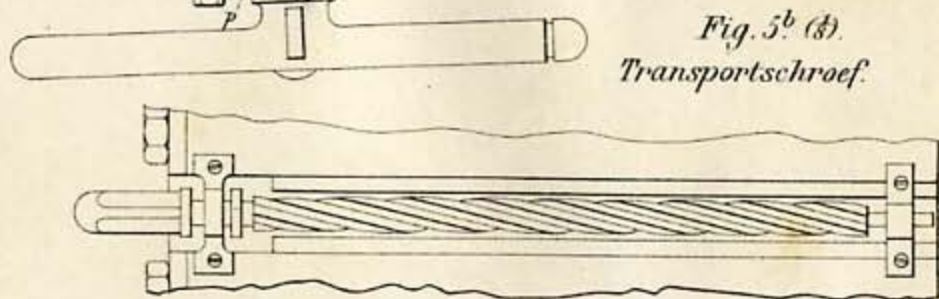


Fig. 3^b (2b).

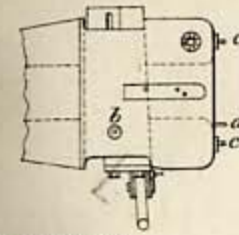
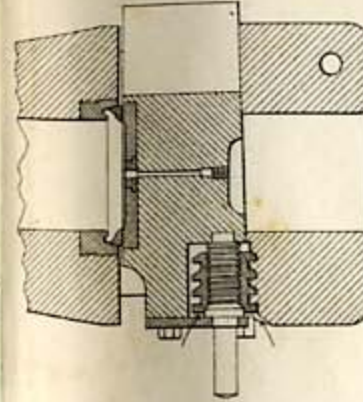


Fig. 3^c (2b).



Kanon van 15 c.M. K.

Fig. 3^a (2).

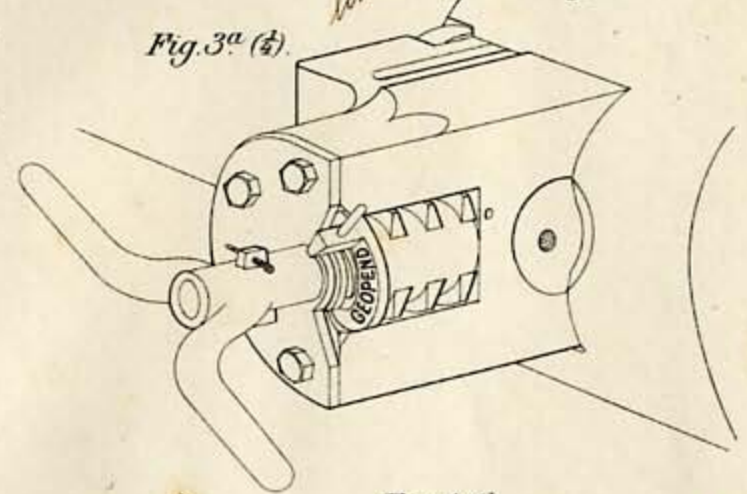


Fig. 4 (3).



Fig. 6^b (3).



Fig. 6^a (3).

Kanon van 10 c.M.

Fig. 5^a (2b).
Kanon van 24 c.M. L/25.

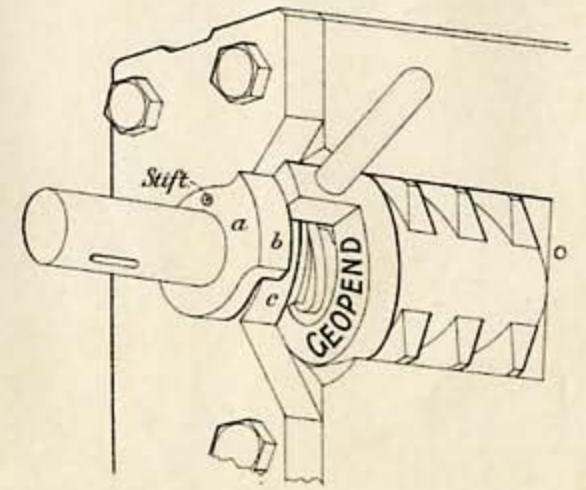
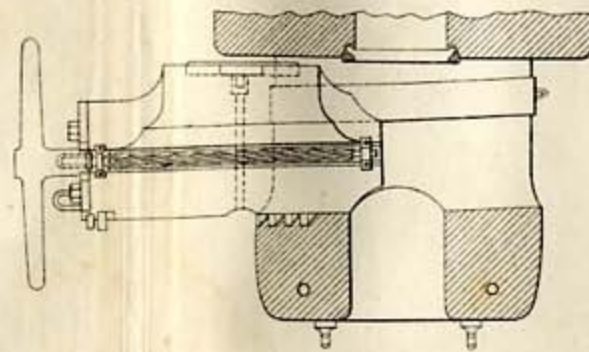


Fig.ⁿ 1. Kanon van 7 c.M. K.A.

Fig. 1^a (1/2).

Van ter zijde.

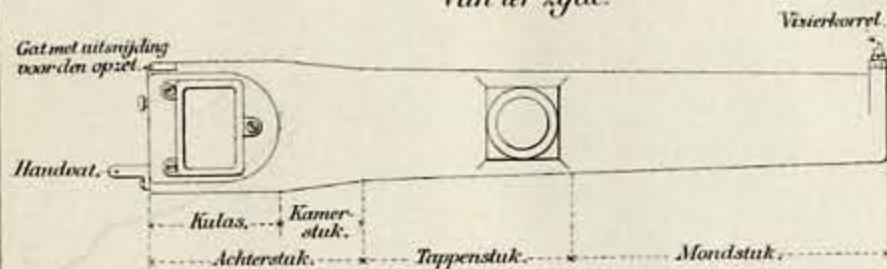


Fig. 1^b (1/2).

Van boven.

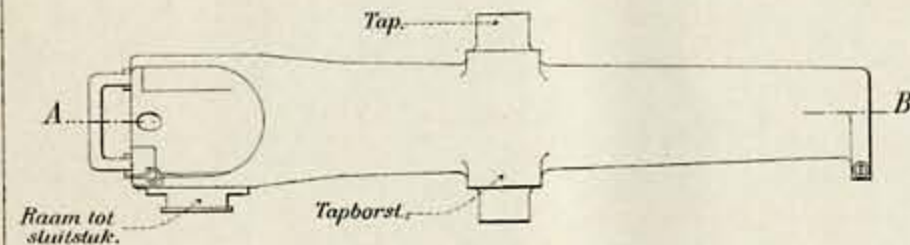
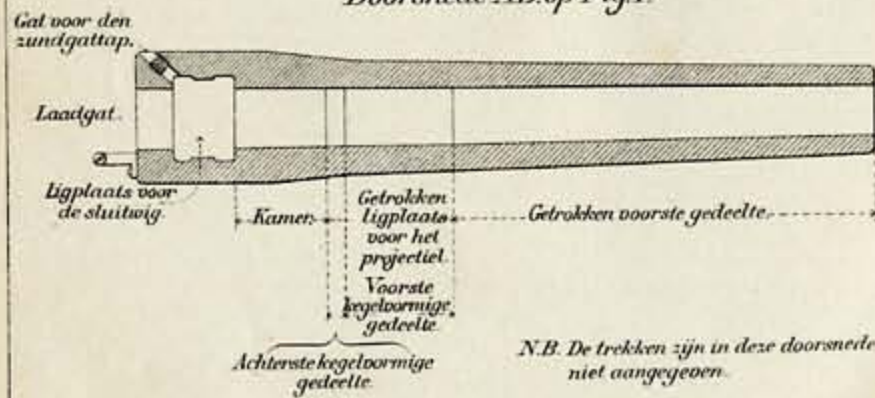


Fig. 1^c (1/2).
Doorsnede AB op Fig. 1^b



N.B. De trekken zijn in deze doorsnede niet aangegeven.

Fig.ⁿ 2. Kanon van 7 c.M. L.A.

Fig. 2^a (1/2).

Van boven.

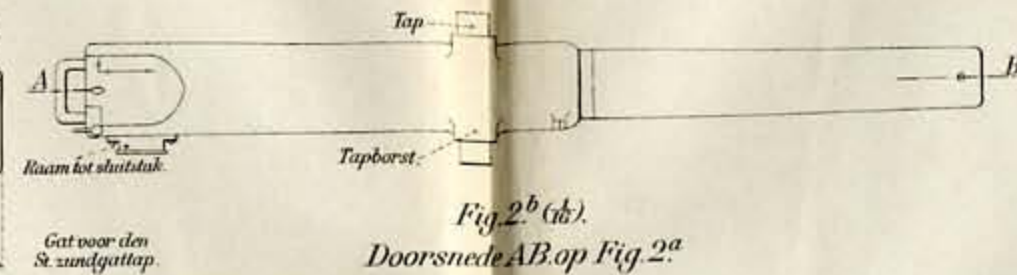


Fig. 2^b (1/2).

Doorsnede AB op Fig. 2^a



N.B. De trekken zijn in deze doorsnede niet aangegeven.

Fig. 4 (1/2).

Afsluitplaat.

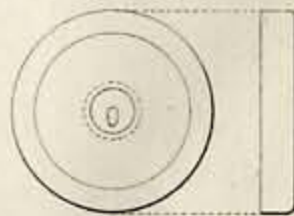


Fig. 5 (1/2).

Afsluitring.

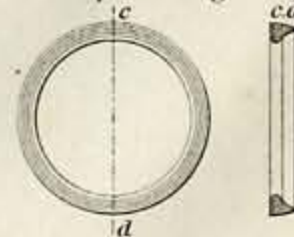


Fig. 6 (1/2).

Zundgattap.

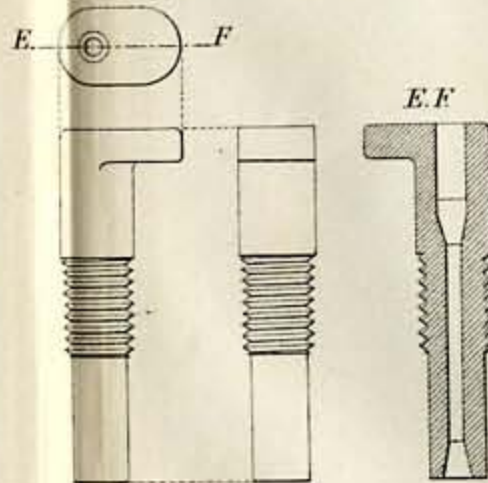


Fig.ⁿ 3. Sluitstuk.

Fig. 3^a (1/2).

Van voren.

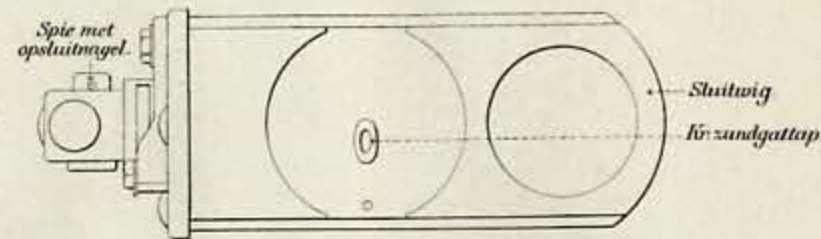


Fig. 3^b (1/2).

Van boven.

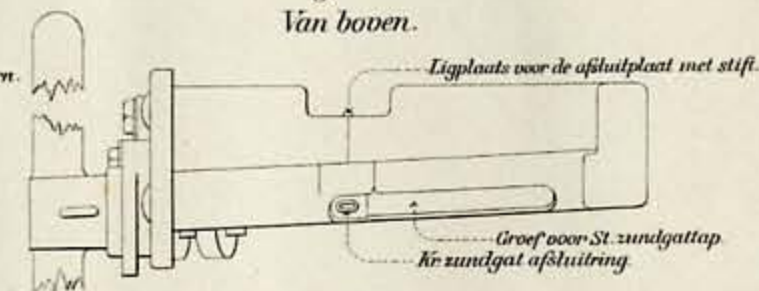


Fig. 3^c (1/2).

Van achteren.

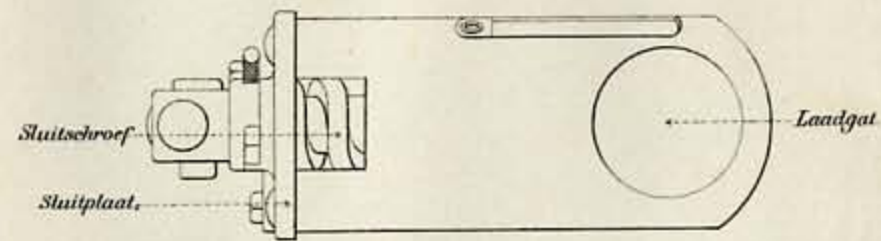


Fig. 3^d (1/2).

Van ter zijde.

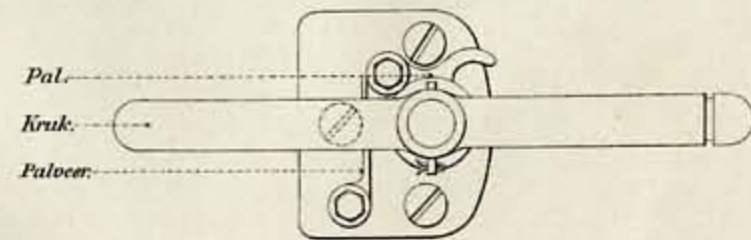


Fig. 1. (4).
Langsdoorsnede over het midden.
Geopend en gespannen.

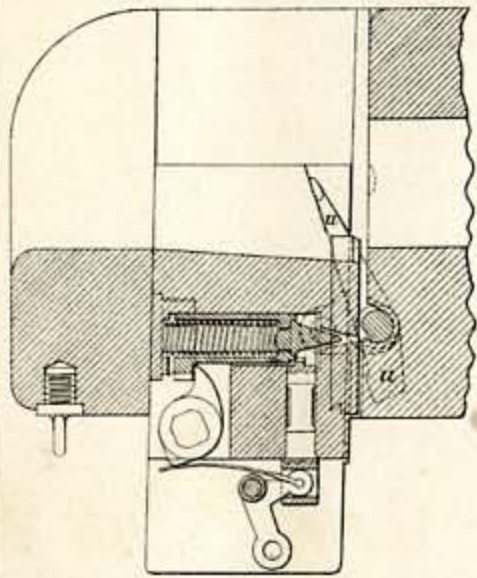


Fig. 1-10. Verticale wigsluiting - GRUSON, met slagpin. (Kanon van 6 c.M.)

Fig. 2. (3).
Ontspannen.

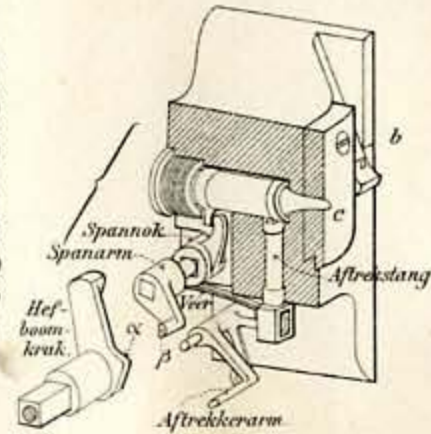


Fig. 3. (3).
Rechts achter.

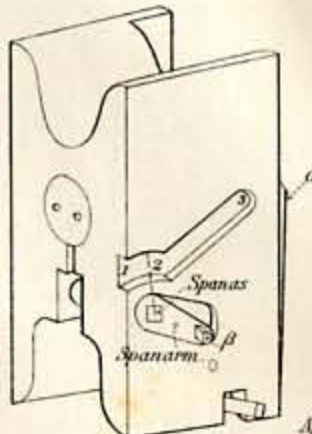


Fig. 4. (3).
Links voor.

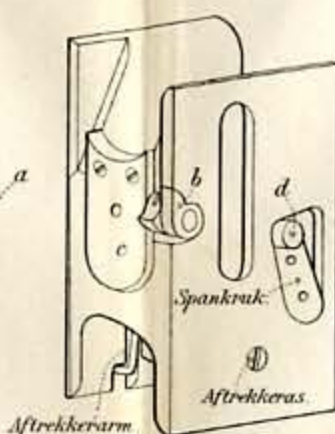


Fig. 11-15. (4) Verticale wigsluiting - GRUSON, met slaghamer. (Kanon van 6 c.M. Veld.)

Fig. 13.
Achterstuk Hefboom in „rust“.

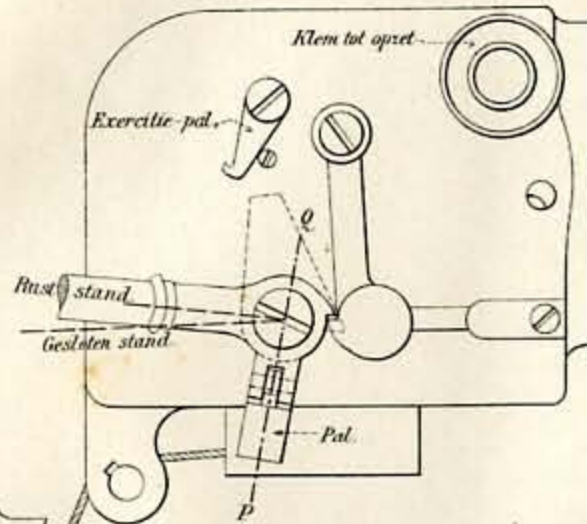


Fig. 14.
Hefboom in „rust“.

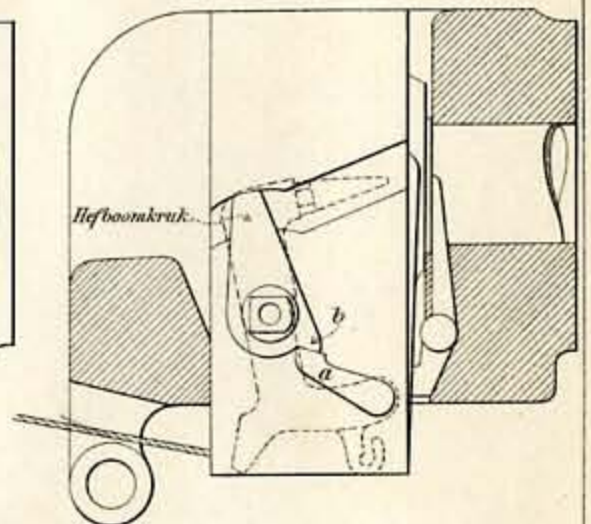


Fig. 6. (3).
Achterstuk, van links.

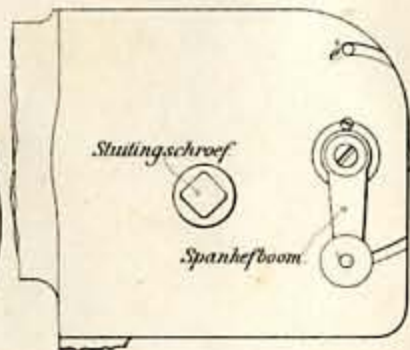


Fig. 7. (3).
Achterstuk, van rechts.

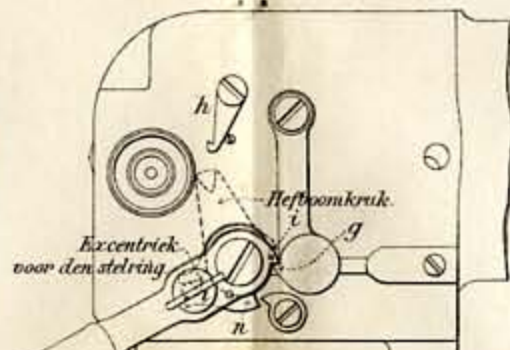


Fig. 5. (4)

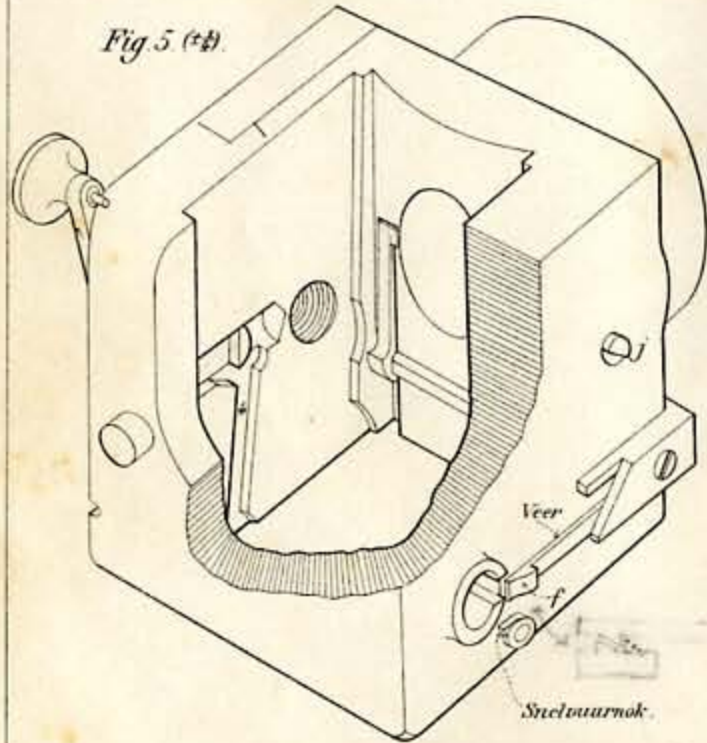


Fig. 11.
Slaghamer bij het schot
(gestippeld na het schot).

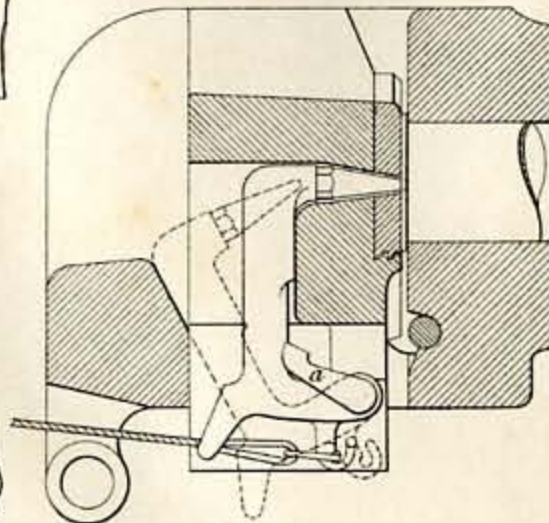


Fig. 12.
Slaghamer
Aanzicht
van voren.

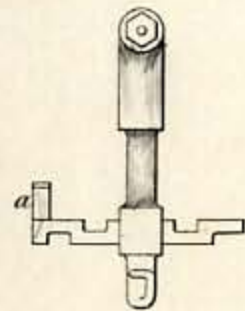


Fig. 15.
Vervoerpal
aangelegd in „rust“
(Doorsnede PQ fig. 13).

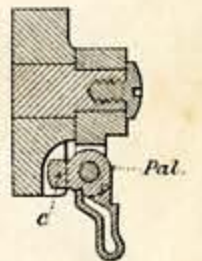


Fig. 8. (4).
Sluingschroef met
excentriek en ~~houf~~.



Fig. 9. (4).
Stelring.

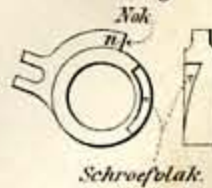


Fig. 10. (4).
Uitwerper.

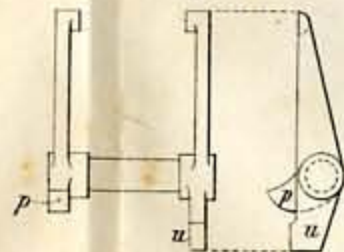


Fig. 2. (3). Doorsnede PQ, fig. 1.

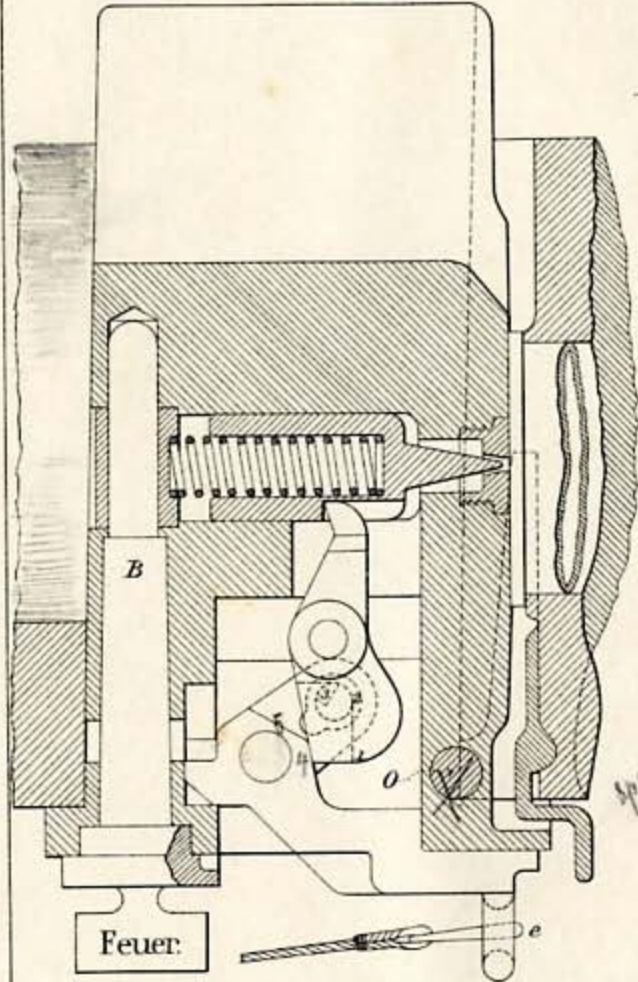


Fig. 1-10. Horizontale wigsluiting KRUPP. Model 1899.

Fig. 4. (3). Doorsnede MN, fig. 3.

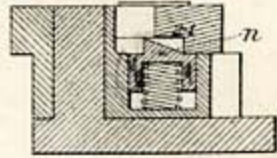


Fig. 1. (6b). Van rechts. Gesloten.

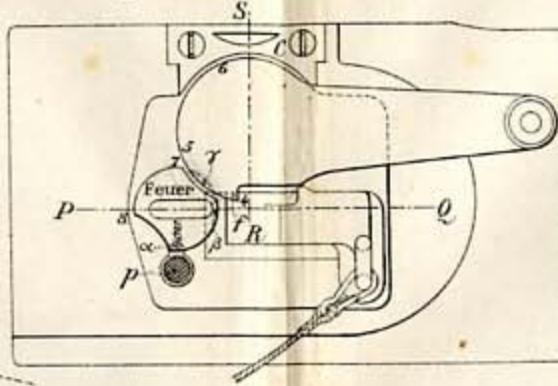


Fig. 3. (3). Gespannen.

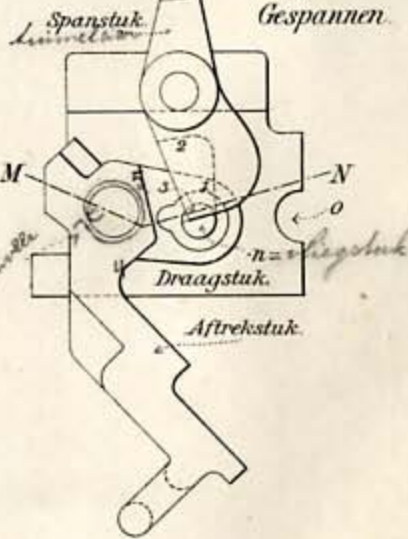


Fig. 5. (3). Ontspannen.

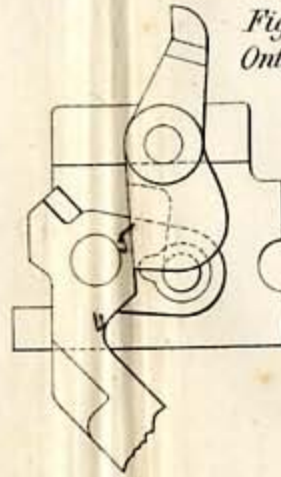


Fig. 11-15. Schroefsluiting. Kanon van 24 c.M.IJ.

Fig. 11. (2b).

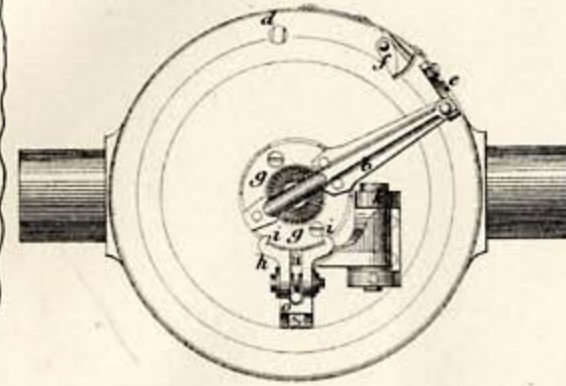


Fig. 13. (2b).

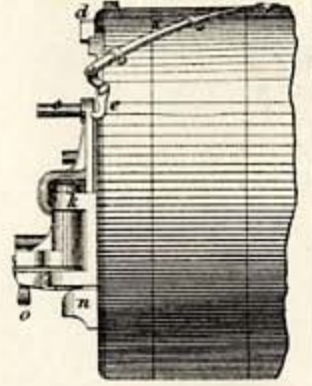


Fig. 12. (2b).

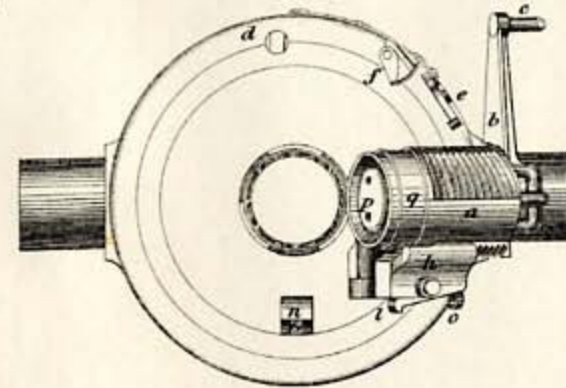


Fig. 14. (2b).

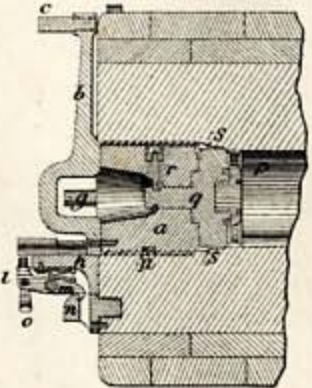


Fig. 6. (3).

Doorsnede en aanzicht volgens RS, fig. 1

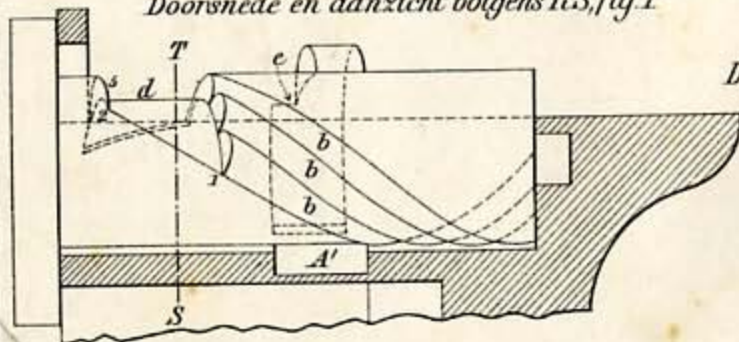


Fig. 7. (3).

Doorsnede ST, fig. 6.

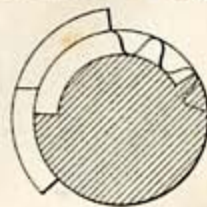


Fig. 8. (3). Schroef Fig. 6 ± 70° gedraaid.

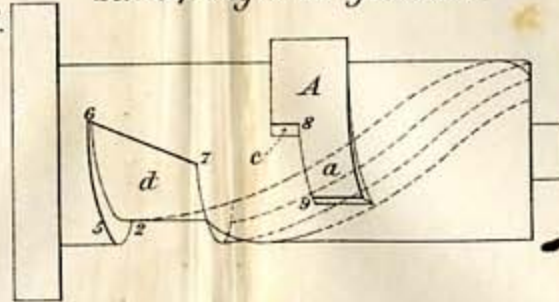


Fig. 9. (3). Halve moer.

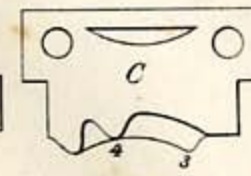


Fig. 10. (3). Veilig.

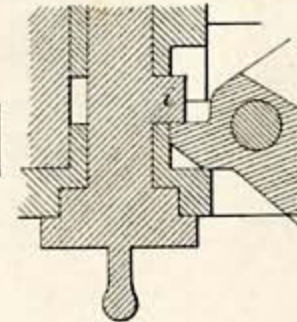
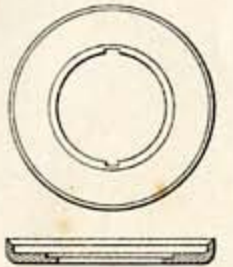


Fig. 15. (2b). Schotel.



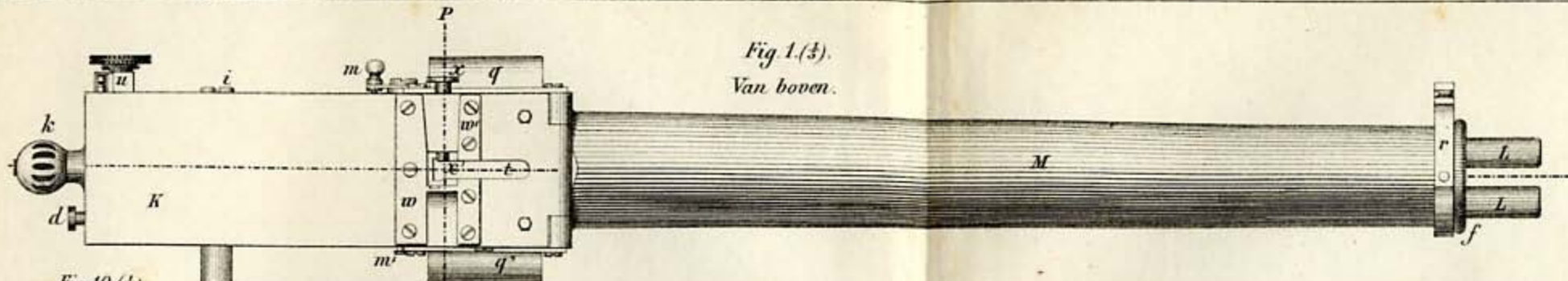


Fig. 1. (3).
Van boven.

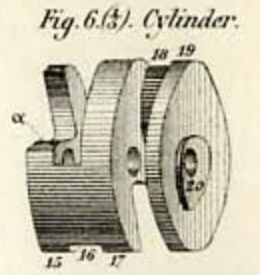


Fig. 6. (3). Cylinder.



Fig. 10. (3).
Veiligheidsbout.

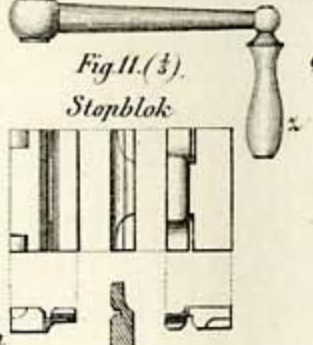


Fig. 11. (3).
Stopblok

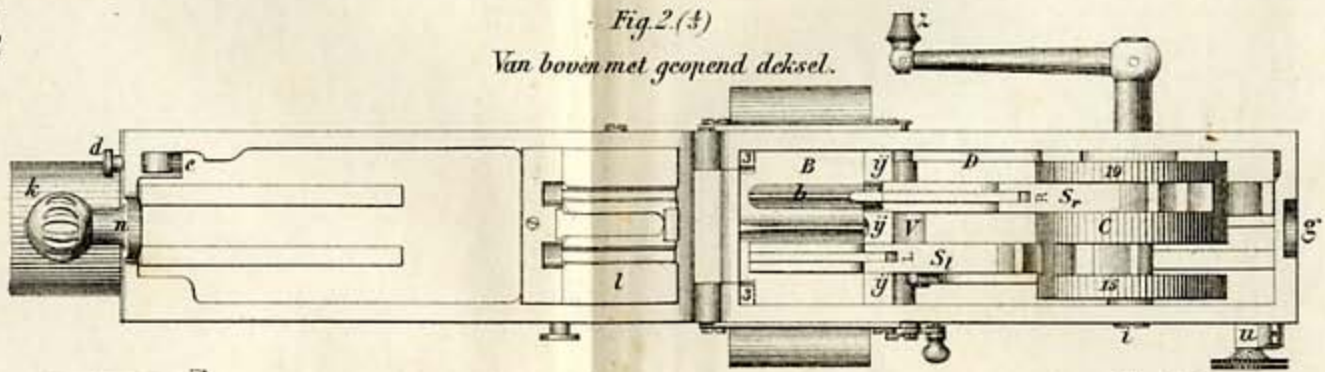


Fig. 2. (3).
Van boven met geopend deksel.

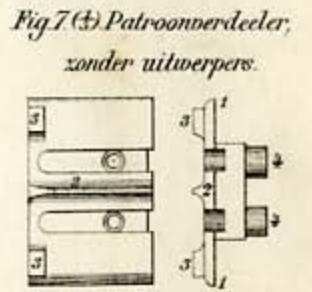


Fig. 7. (3) Patroonverdeelcr.
zonder uitwerpers.

Fig. 8. (3). Slede.

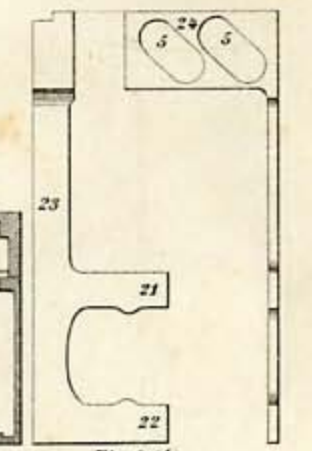


Fig. 9. (3).
Doorsnede over P Q Fig. 1.

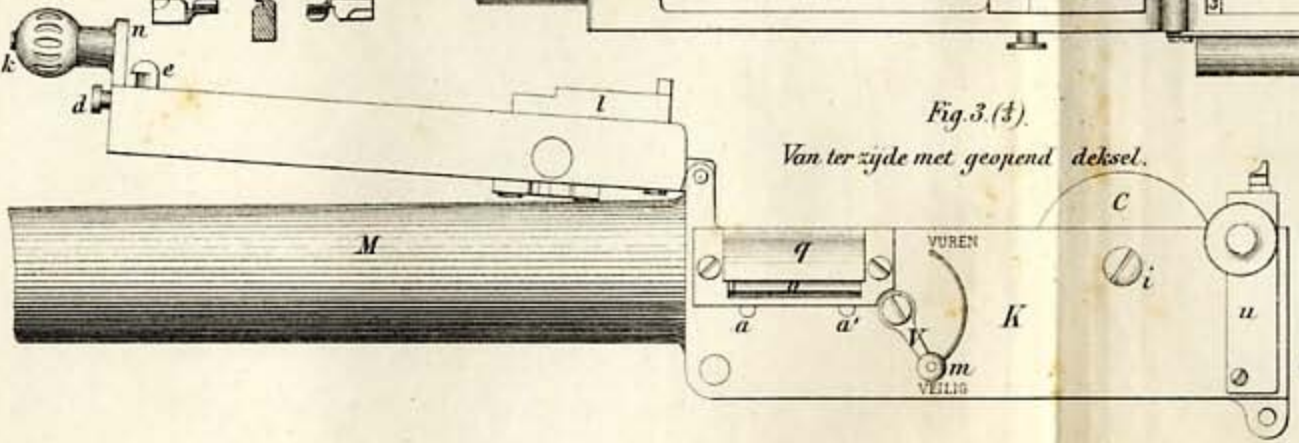


Fig. 3. (3).
Van ter zijde met geopend deksel.

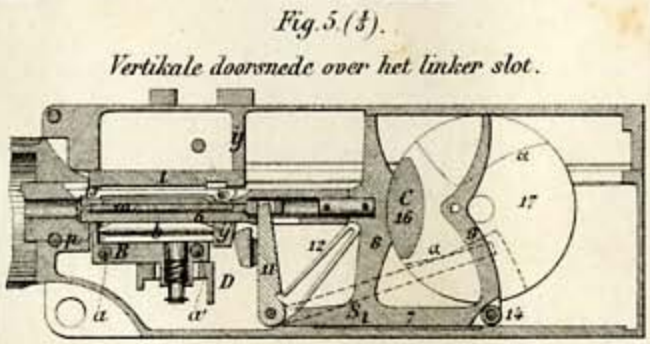


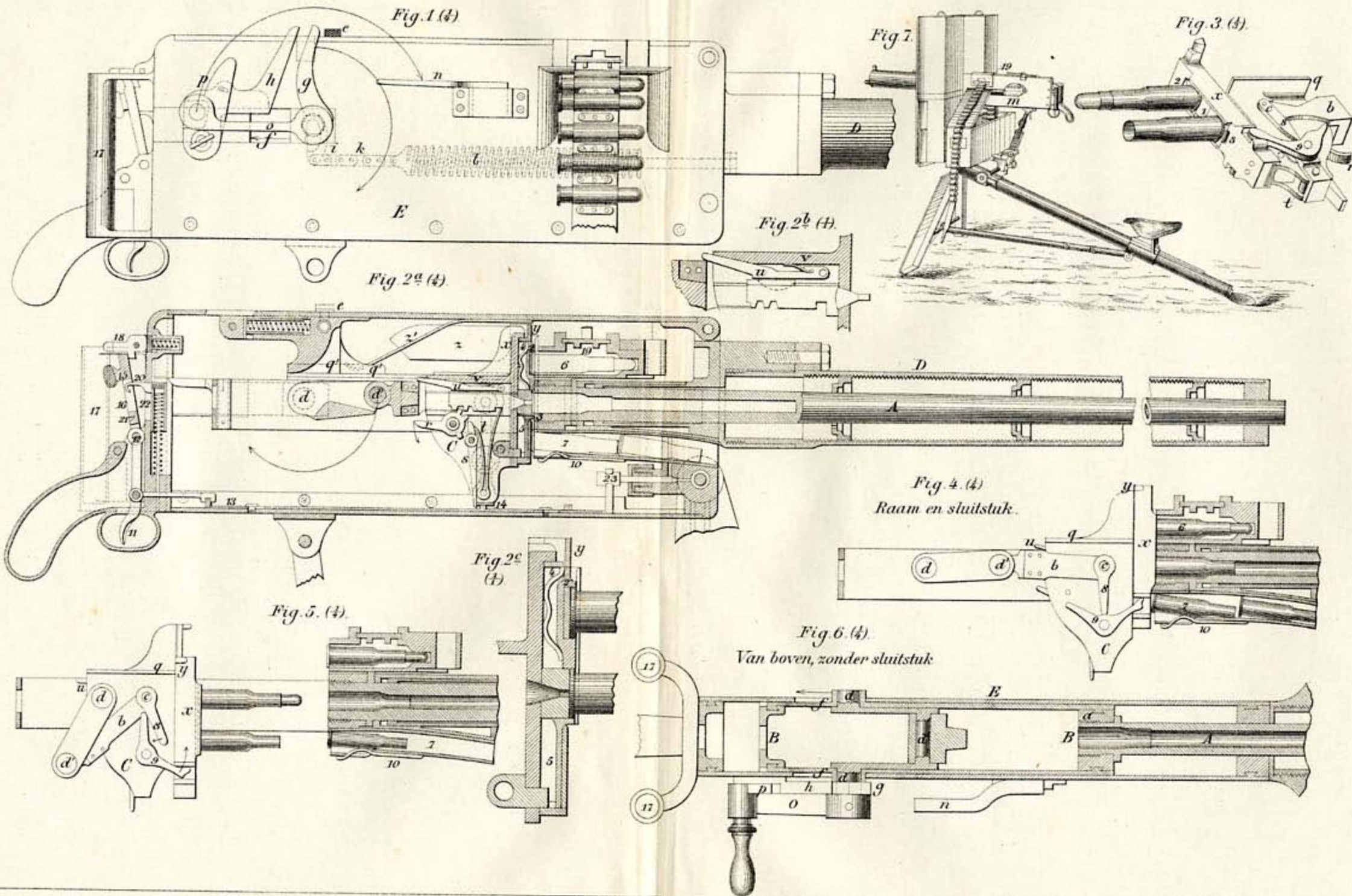
Fig. 5. (3).
Vertikale doorsnede over het linker slot.



Fig. 4. (3).
Van ter zijde

patroonverdeelcr

Handtekening



Figⁿ 1-3 en 12 Kanon van 8 cM. St.

Fig. 1. (a) Opzet van achteren.

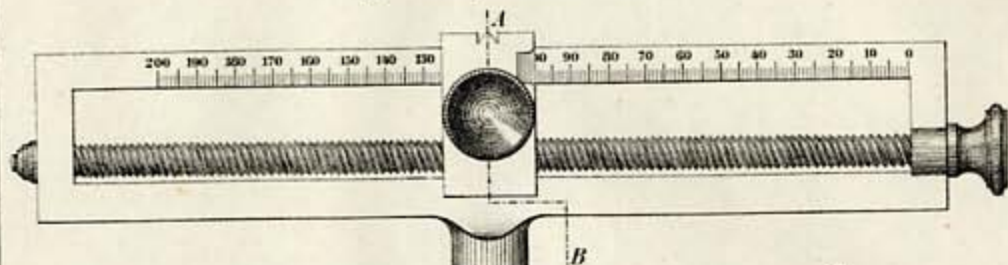


Fig. 2. (a) Doorsnede over AB in Fig. 1.

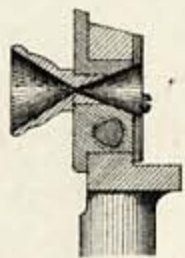


Fig. 3. (a) Vizierkorrel.



Fig. 11. (b)

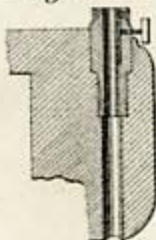


Fig. 12. (a) Richtolak.

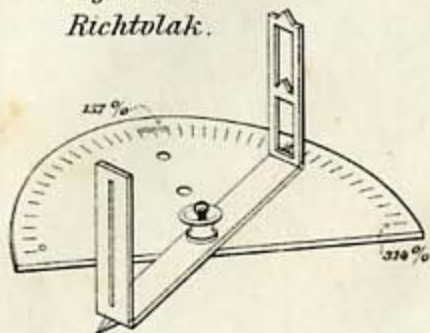


Fig. 13. (a) Klem tot opzet, kanon van 6 cM.

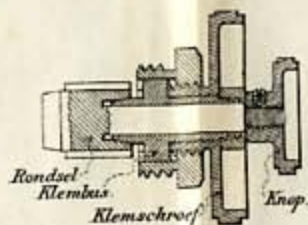


Fig. 4. (a) Van links.

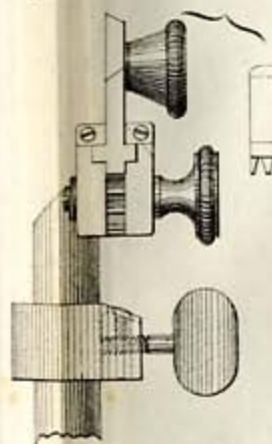
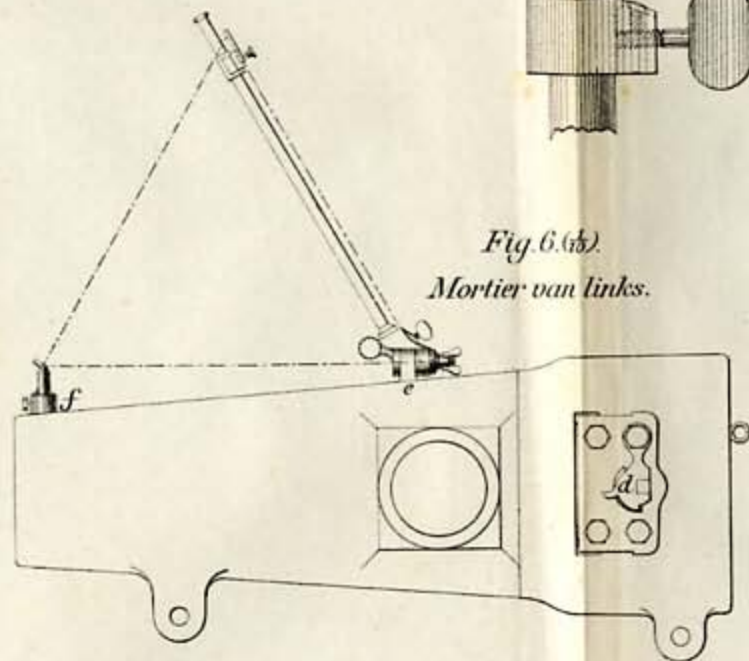
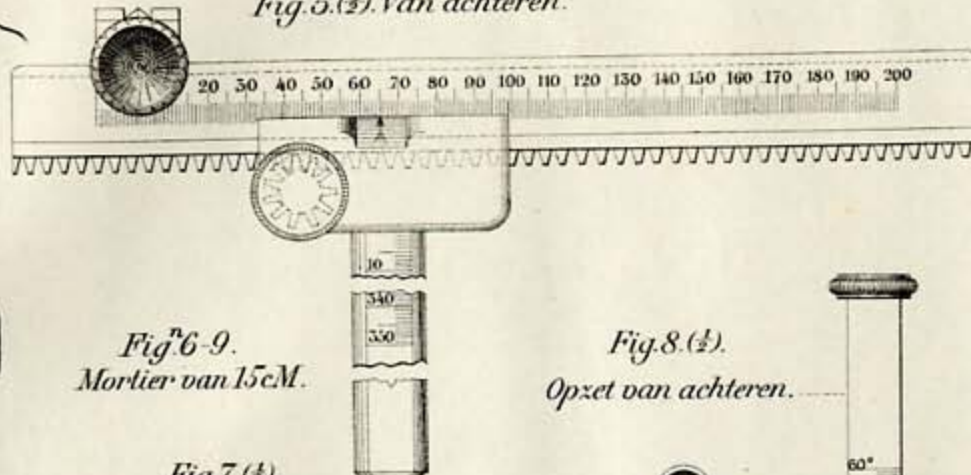


Fig. 6. (b) Mortier van links.



Figⁿ 4 en 5. Opzet van 10 cM. (Kanon).

Fig. 5. (a) Van achteren.



Figⁿ 6-9. Mortier van 15 cM.

Fig. 7. (a) Vizierkorrel.

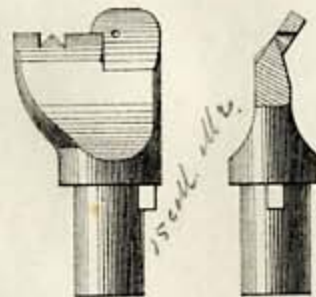


Fig. 8. (a) Opzet van achteren.

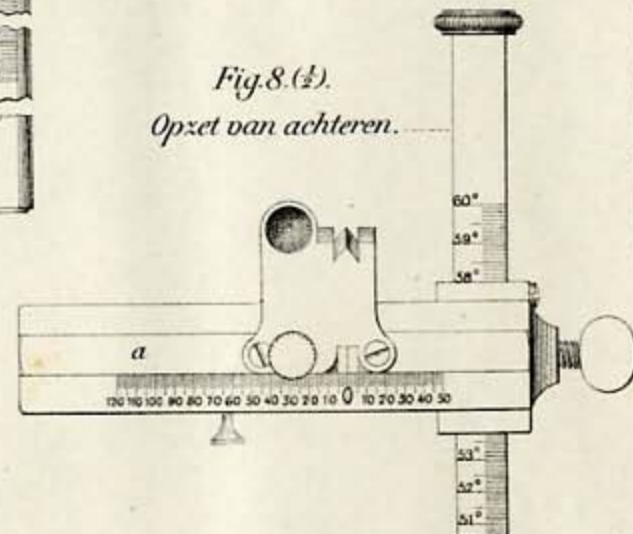


Fig. 10. Opzet van 6 cM.

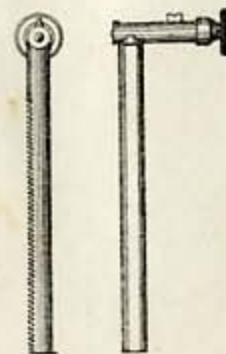
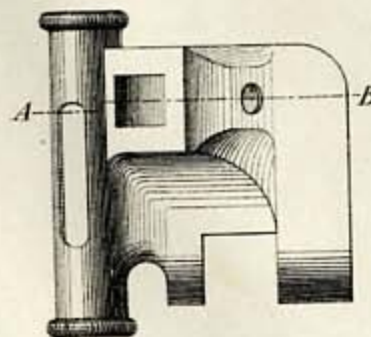


Fig. 9. (a) Voetstuk van boven.



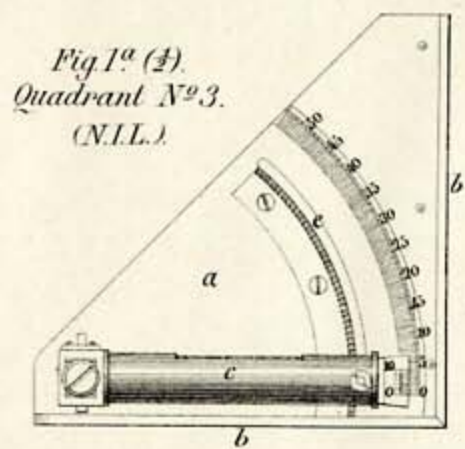


Fig. 2^b
Doorsnede AB op fig. 2^a

Fig. 2^a (1/2).
Quadrant N^o 1. (N.I.L.)

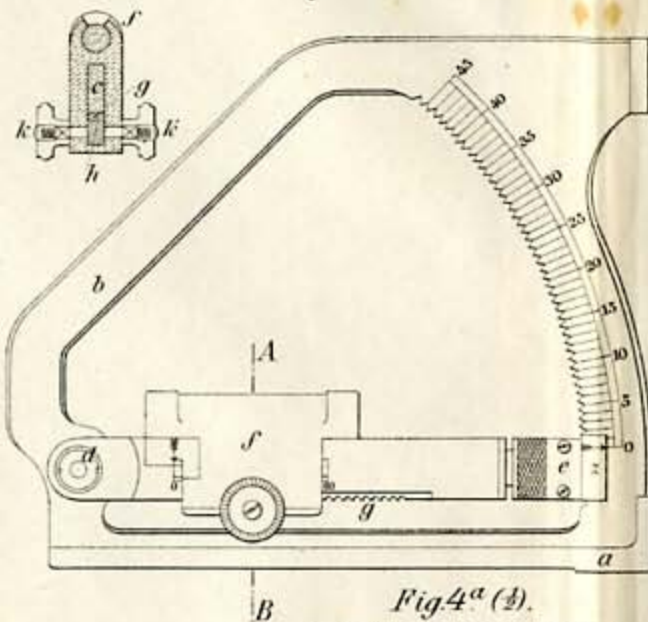


Fig. 6^a (1/2).
Richtboog van 8 c.M. St.
Van rechts.

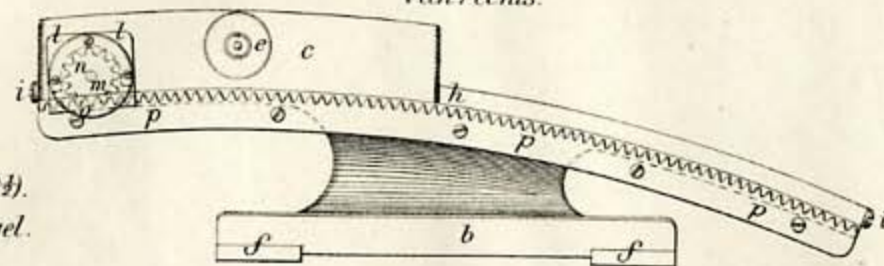


Fig. 5. (1/2).
Richtspiegel.

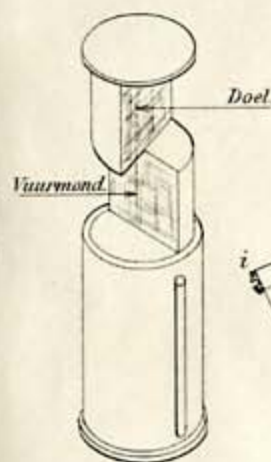


Fig. 6^b (1/2).
Van links.

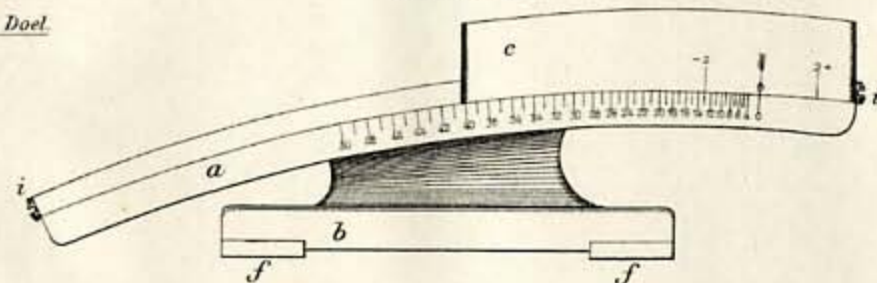


Fig. 3^b (1/2).
Doorsnede AB.

Fig. 3^a (1/2).
Kl. Quadrant V.M.

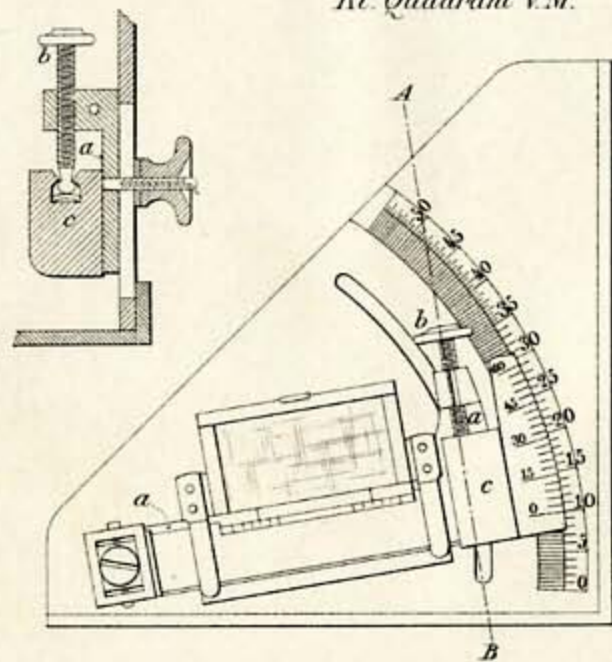


Fig. 4^a (1/2).
Quadrant N^o 4. (N.I.L.)
Van links.

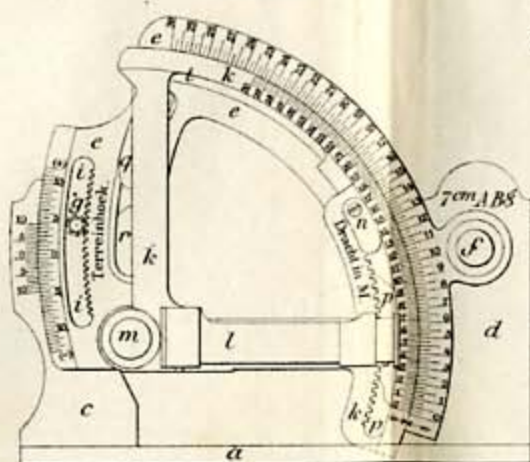


Fig. 6^c (1/2).
Van boven.

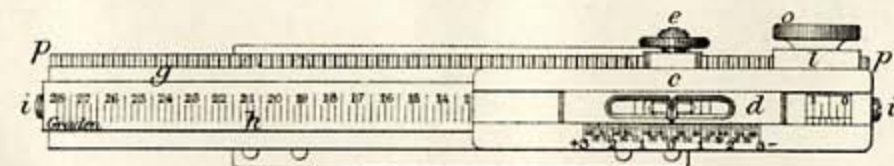


Fig. 4^b (1/2) Van boven.

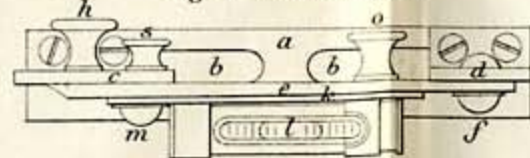
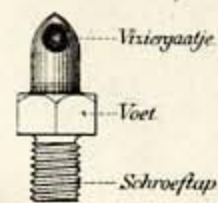


Fig. 7. (1/2) Vizierkorrel tot 7 c.M. K.A. (N.I.L.)

Van voren. Van ter zijde. Van achteren.

Van boven.



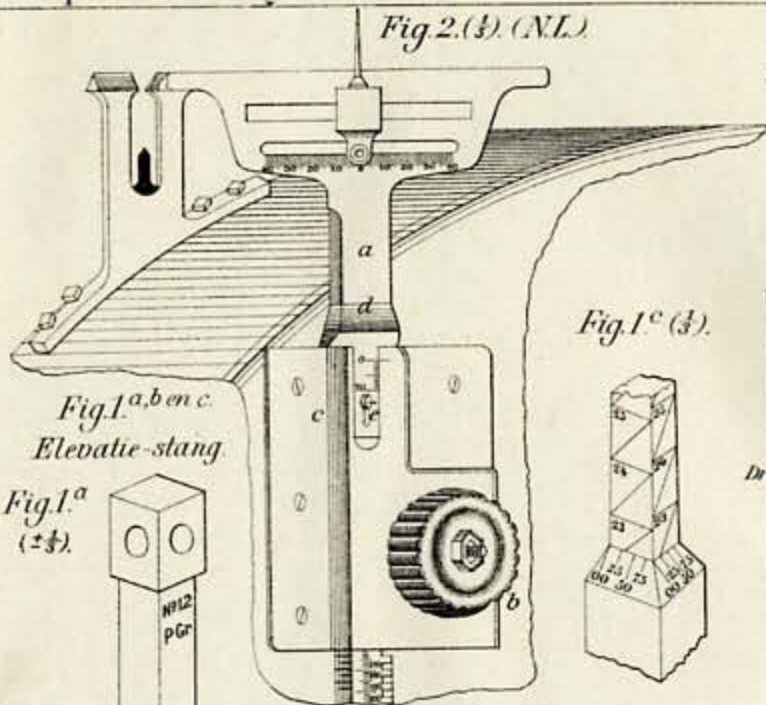


Fig. 3. (NL)
Libelopzet - KORRODIJ
van rechts.

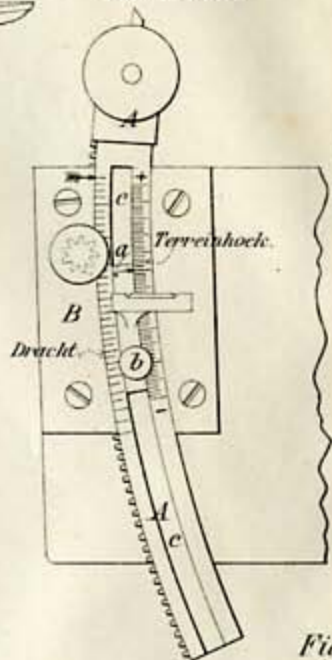


Fig. 10 en 11. (NL) Libelopzet - KRETSCHEMAR.

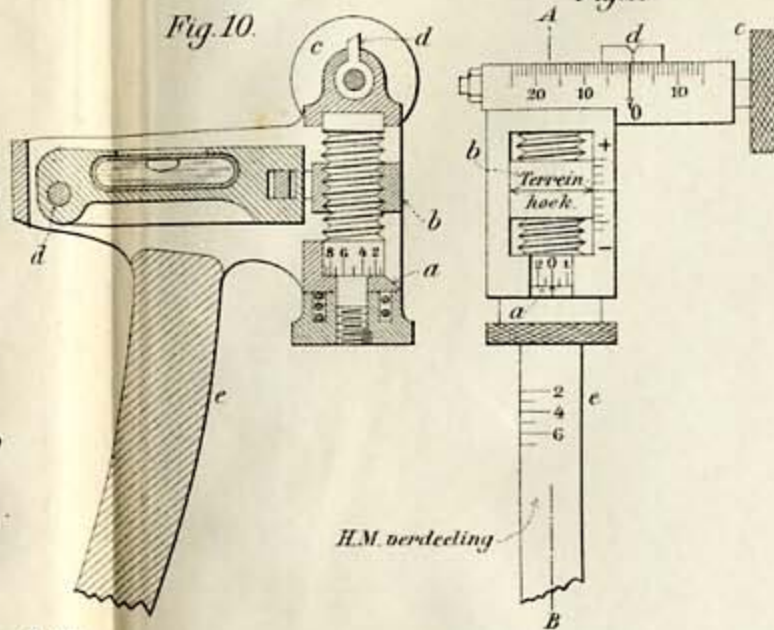


Fig. 8. a (NL)
Richtvlak tot plaatsbepaling.

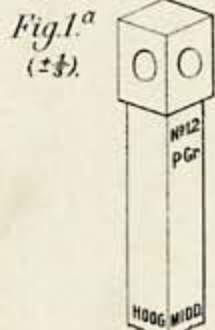
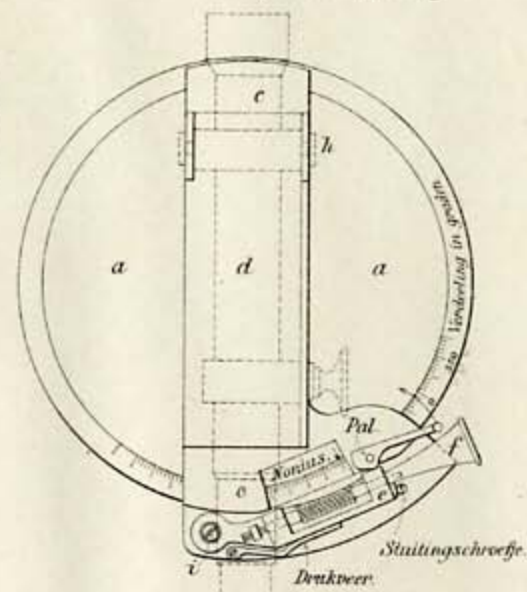


Fig. 1. b (NL)

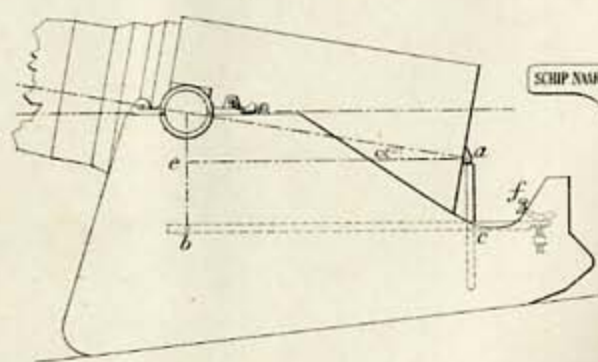


Fig. 4. (NL)
Kanon van 24 c.M.L. 25 (NL)

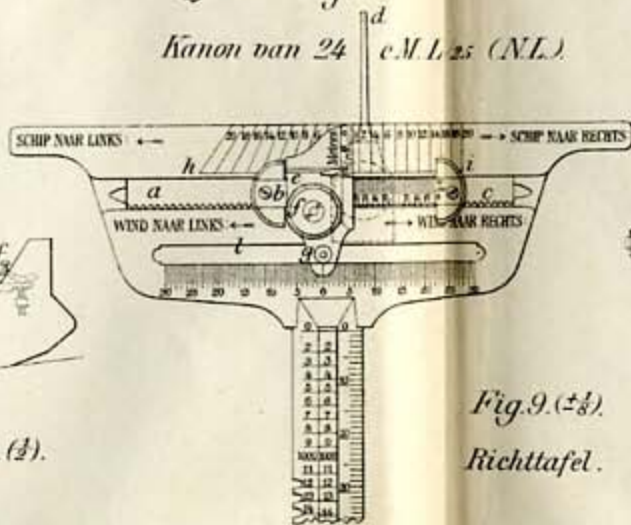


Fig. 5. (NL)
Kanon van 7 c.M.K.A. (NL)

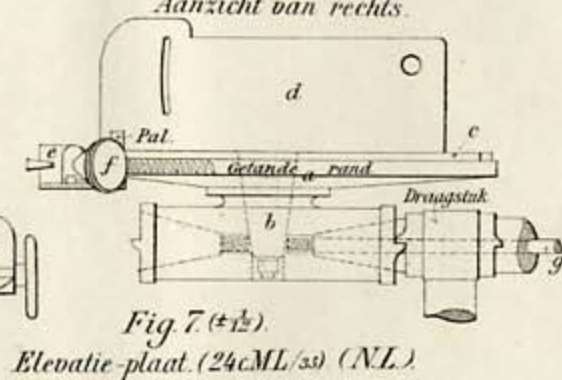
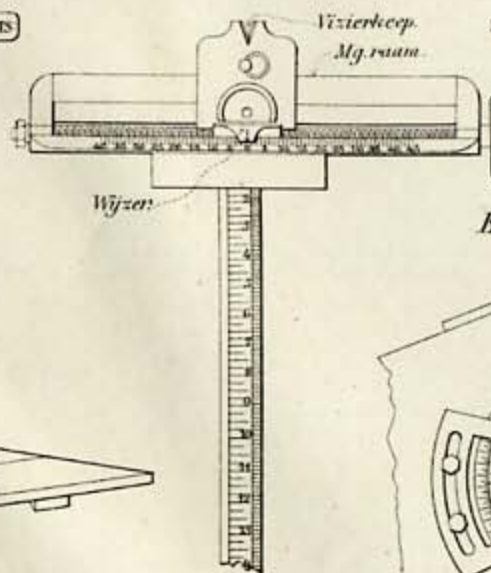


Fig. 7. (NL)
Elevatie-plaat (24 c.M.L./35) (NL)

Fig. 6. (NL)



Fig. 9. (NL)
Richttafel.

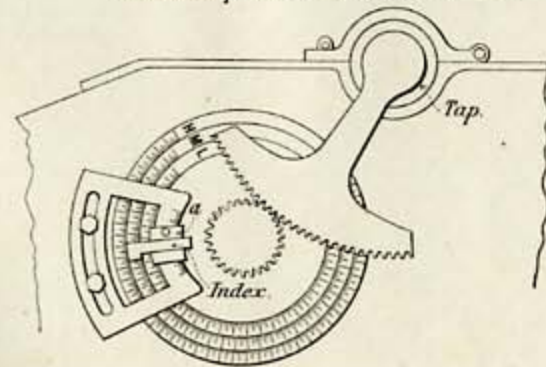
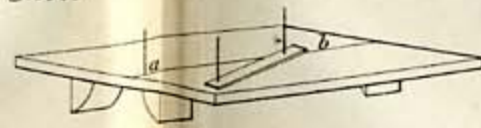


Fig. 8. b
Aanzicht van rechts.

Fig. 1^a (2b).
Kazemataffuit van 8 c.M.Br.

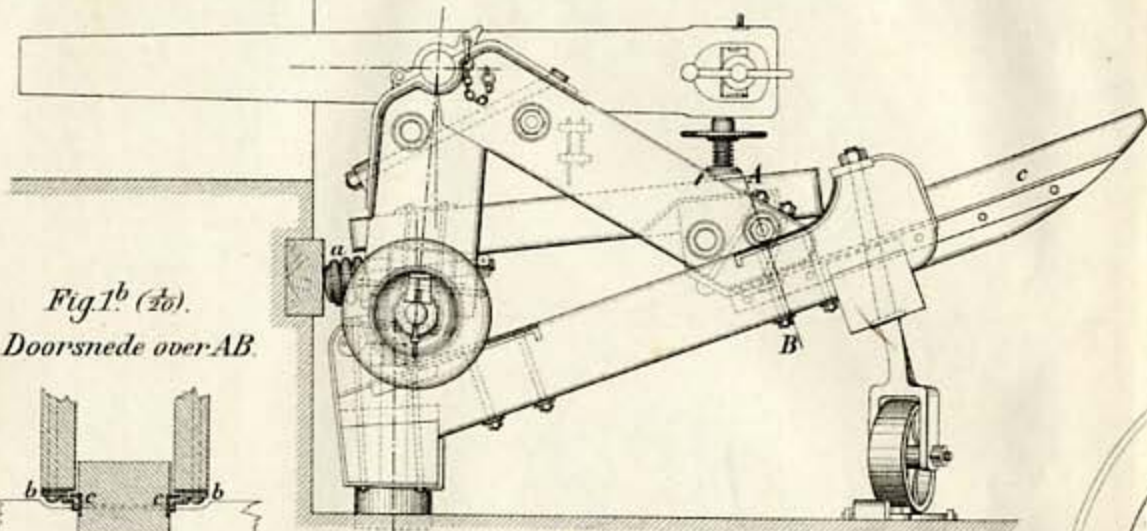


Fig. 1^b (2b).
Doorsnede over AB.

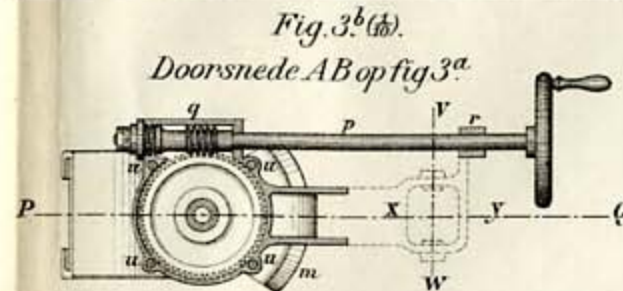
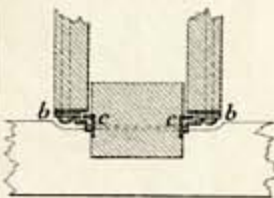


Fig. 3^a (2b).
Pivot-stoel tot mitrailleuse M.90.

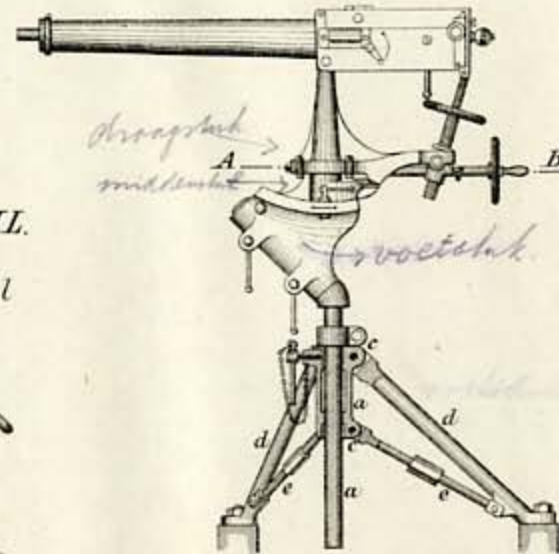


Fig. 2. (2b).
Affuit van 12 c.M.L.

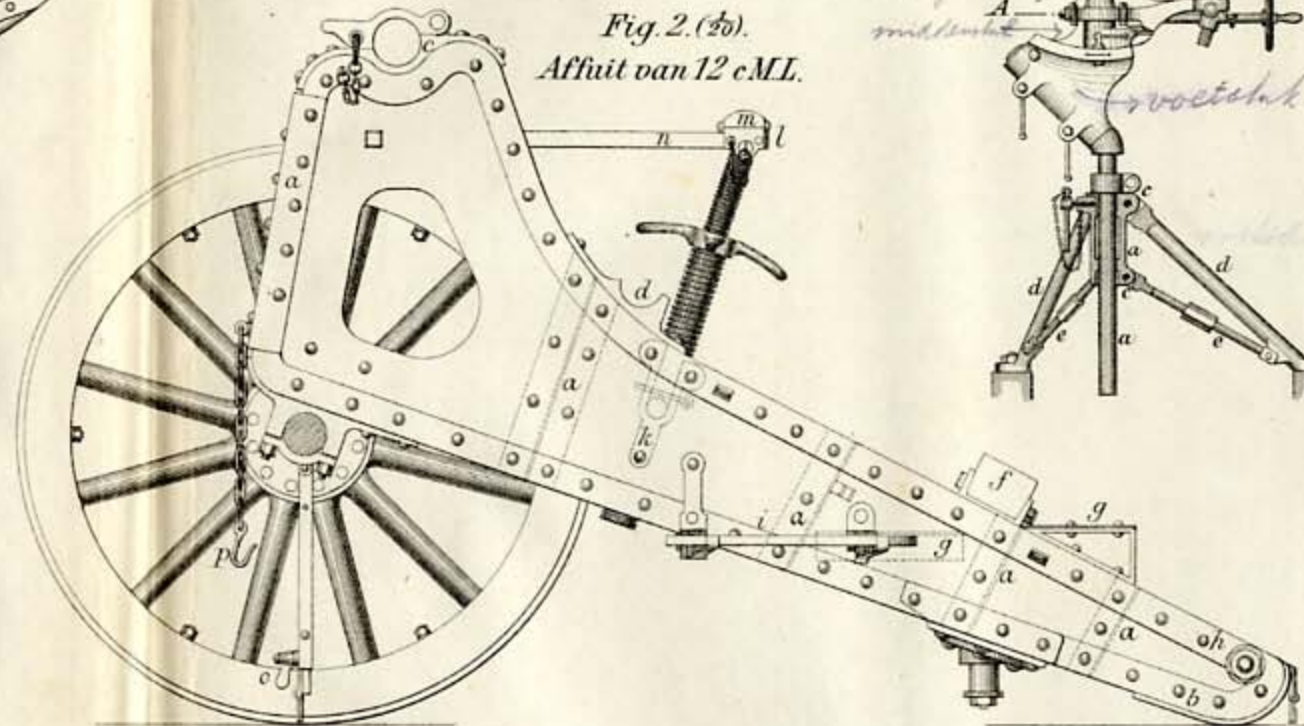


Fig. 6. (2b).

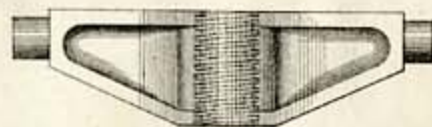


Fig. 4. (2b).
Kazematstoel tot mitrailleuse M.90.

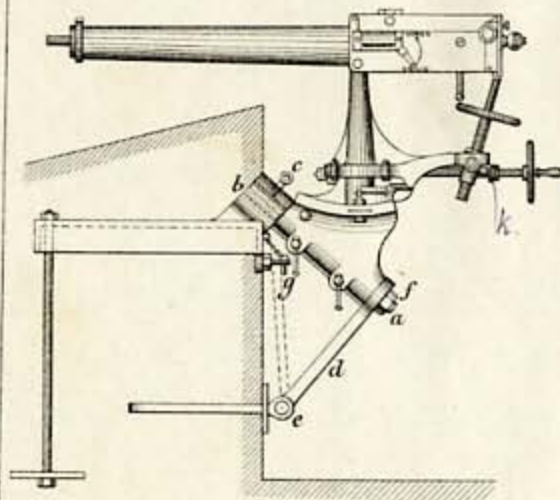


Fig. 5^a (2b).
Uitleggeraffuit van 12 c.M.K.

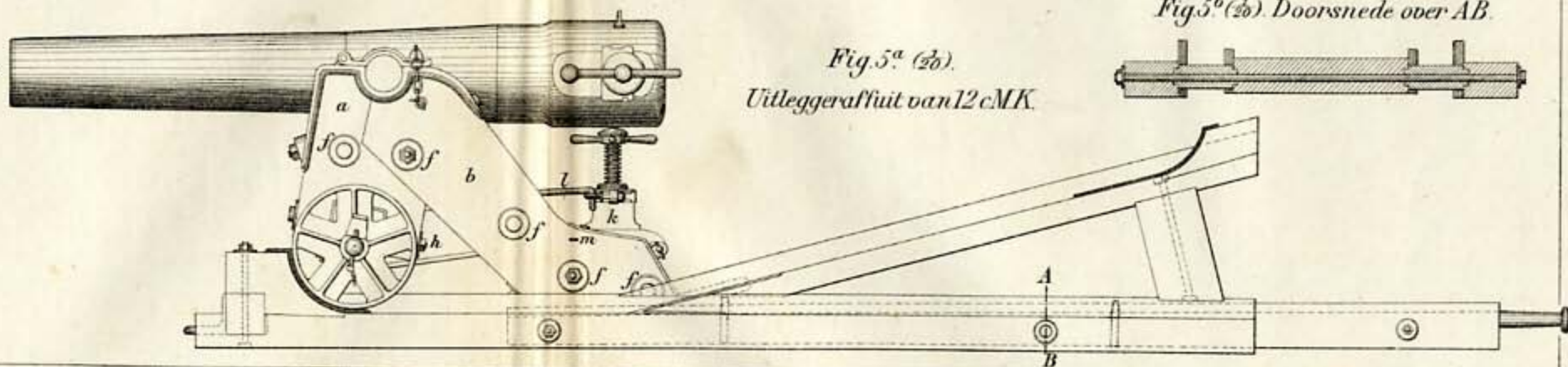


Fig. 5^b (2b). Doorsnede over AB.



Fig. 2^b (16) Doorsnede P Q op fig. 2^a

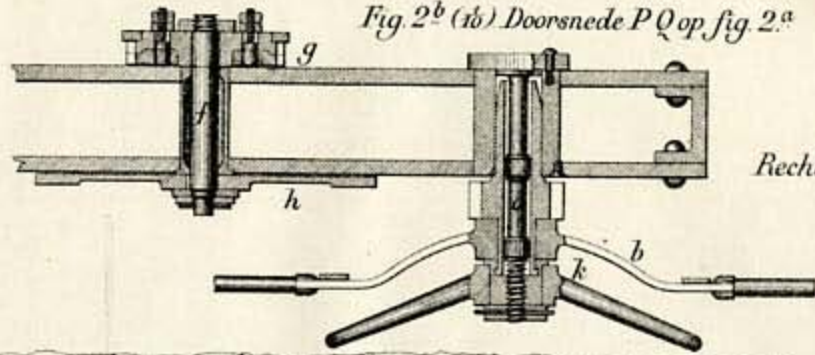


Fig 2^a (26).
Rechter-richttoestel.

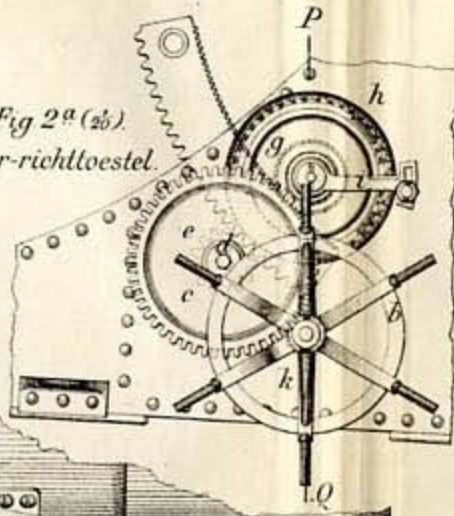


Fig 1. (26)

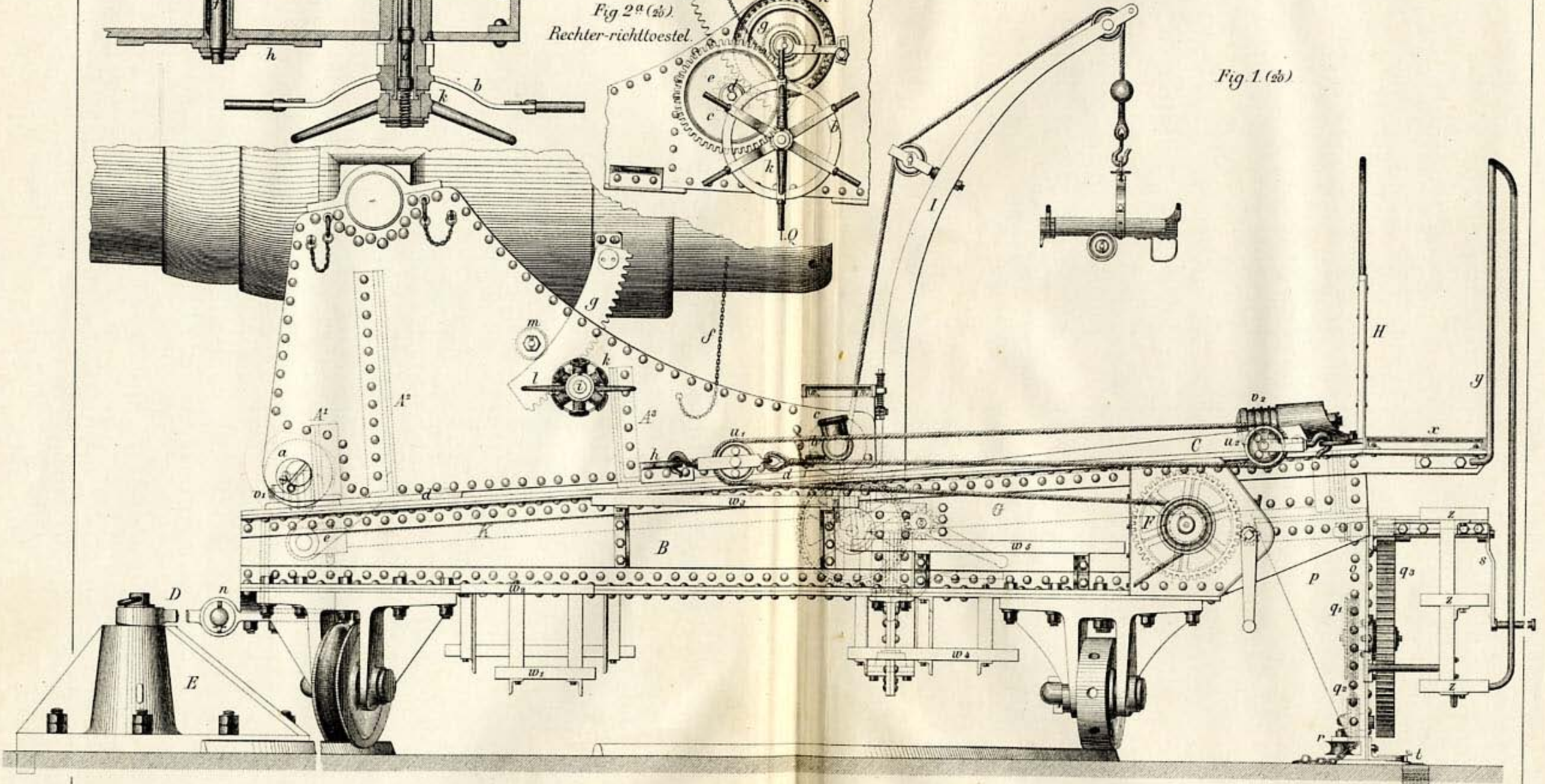


Fig 1^a (25). 15c.ML/24 op affuit en bedding met hydraulische rem.

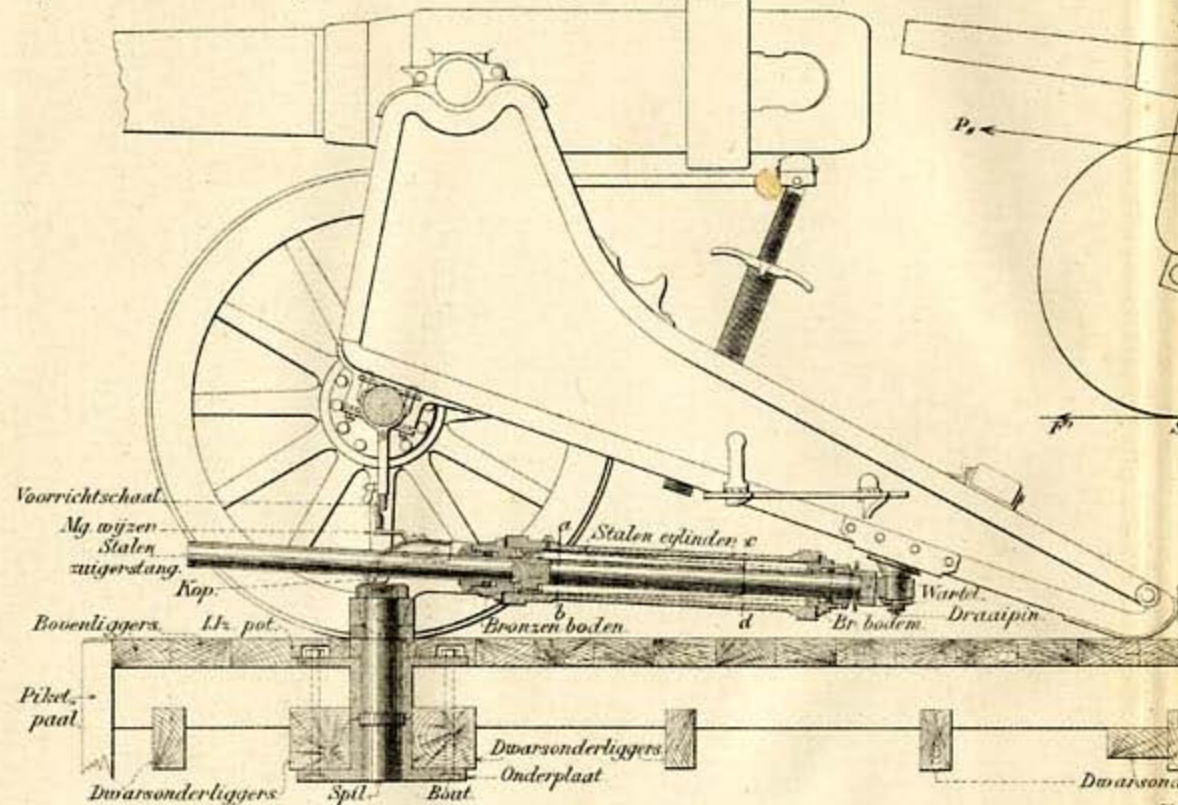


Fig. 2.

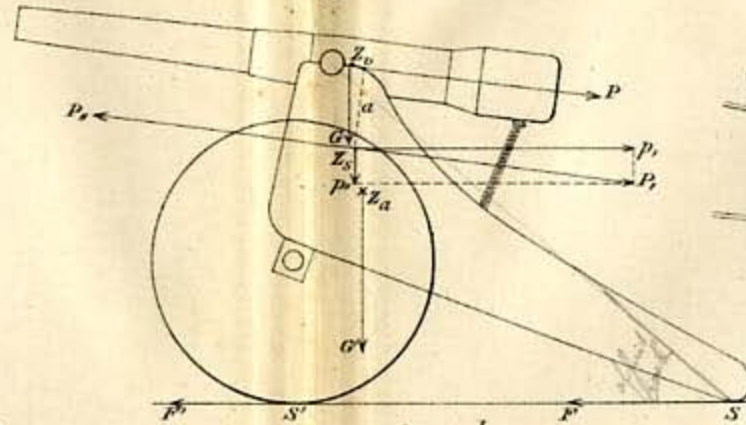


Fig 1^b

Doorsnedes over.

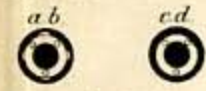


Fig. 4. (10). Draaibaar affuutoog.

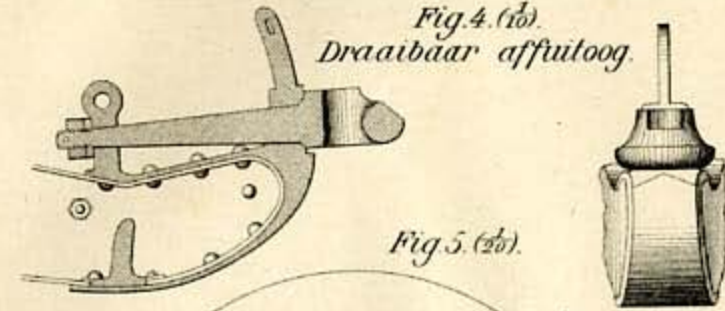


Fig. 5. (20).

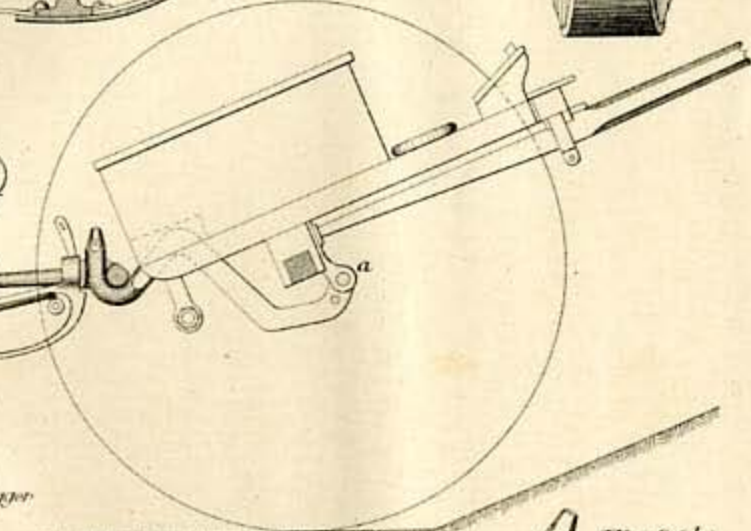


Fig 8^a Schets van de reminrichting voor het schot.

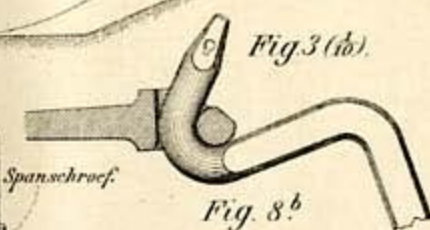
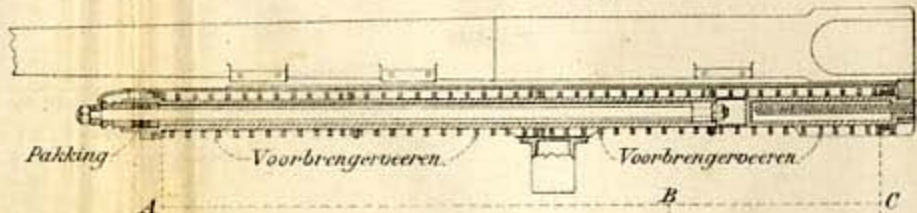


Fig 7 (20) Kanon van 7c.M.Veld op affuit, in batterij

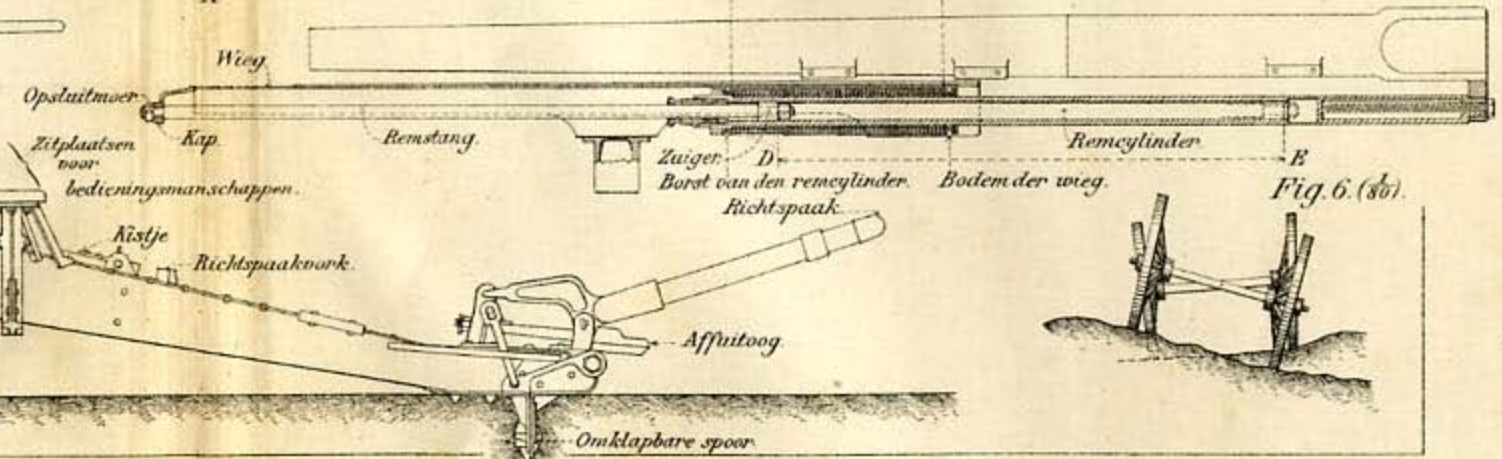
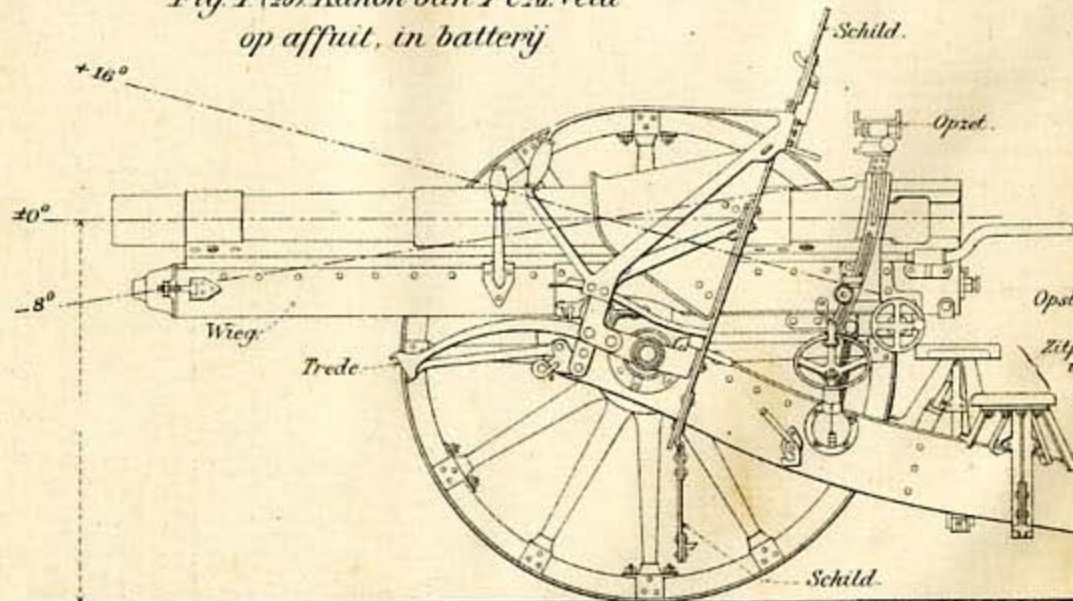


Fig. 6. (20).

Fig. 1. (2^b).

A. De vuurmond

- a. De kern.
- b. De ringen.
- c. De mantel.
- d. Deremeylinders.
- e. Het sluitstuk.
- f. De aftrektoestel.

B. De wiegaffuit.

- g. De wieg.
- h. De affuit.
- i. Het affuitdraagstuk.
- k. Het platform met.
- k₁ de patroonstelling.
- k₂ de laadinrichting.
- l. Het schild.
- m. Het verhoogstuk.

C. De bedding.

- n. De verankerplaat.
- o. De rolbaan.
- p. Het betonblok.

D. De munitie.

- q. De halfpantsergranaatpatroon.
- r. De granaatkartetspatroon.
- s. De kartetspatroon.
- t. De pantserkogelpatroon.
- u. De gewone granaatpatroon.

E. De richtmiddelen.

- v. De vizierkorrel.
- w. De opzetstang.
- x. De vizierstang.
- y. Het elevatietoestel.
- z. Het draaitoestel.

