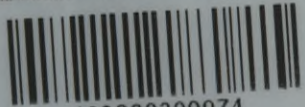




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zum

Handbuch der Wasserbaukunst

von

G. Hagen.

D r i t t e r T h e i l .

Das Meer.

Zweite, neu bearbeitete Auflage.

Seeufer- und Hafen-Bau.

Switzer in. Vierter Band.

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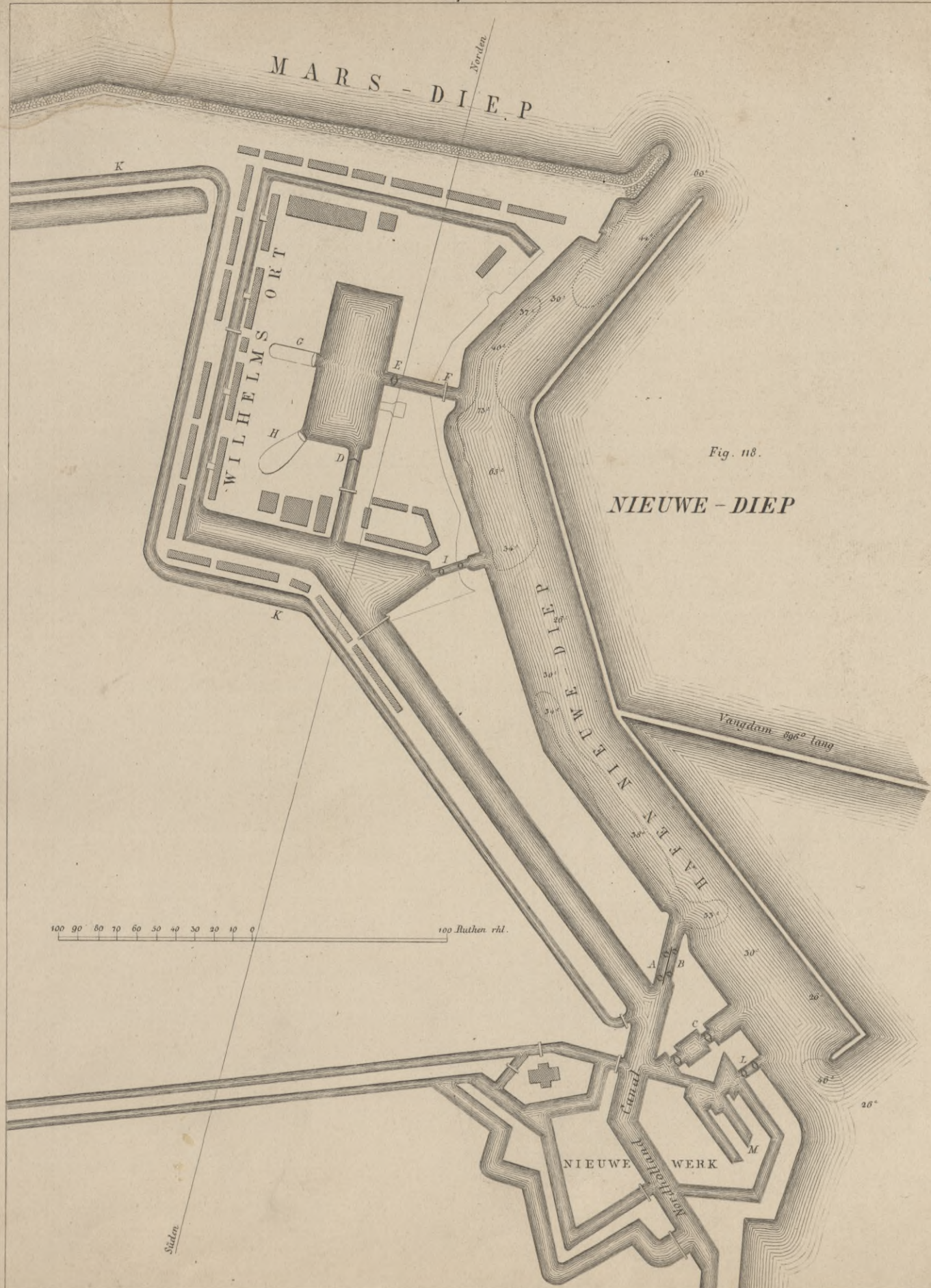


Fig. 118.



Fig. 119.



Die Höhenlinien beziehen sich auf den niedrigsten Wasserstand.

— Grenze des höchsten Wassers.

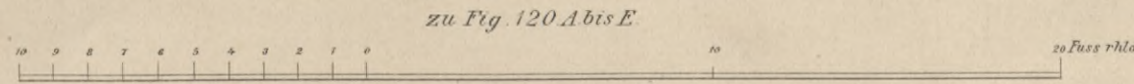
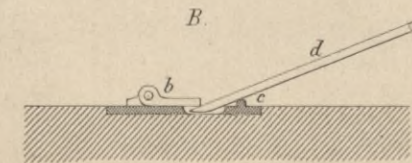
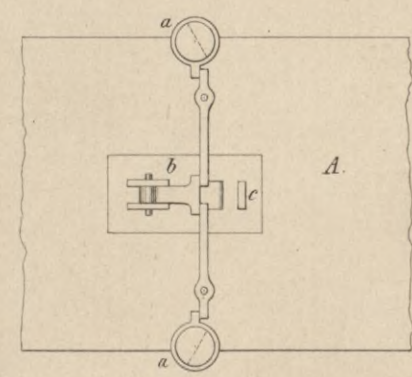
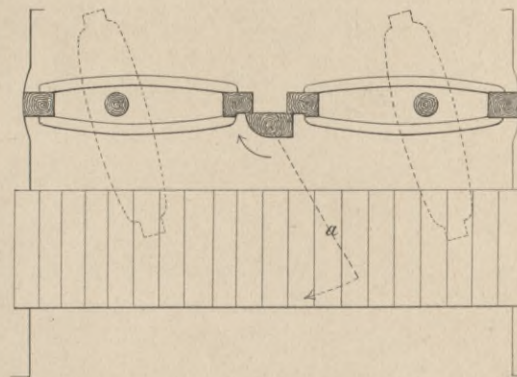
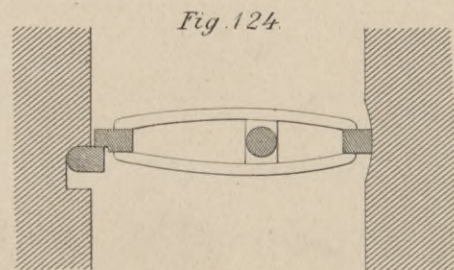
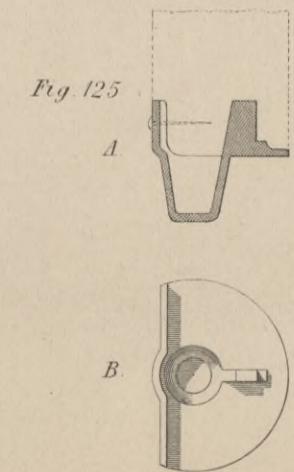
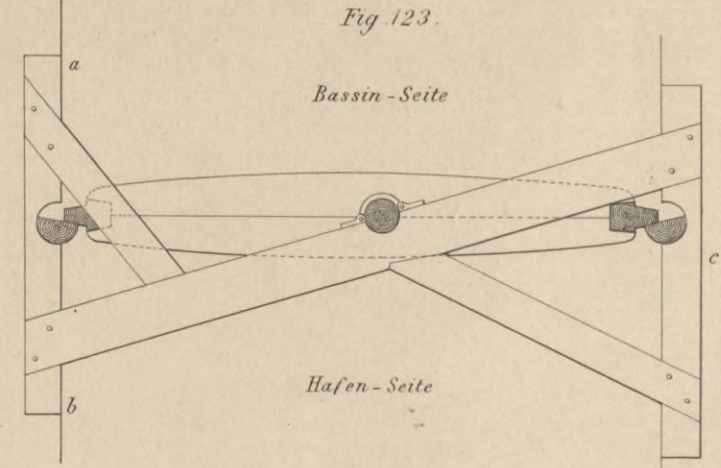
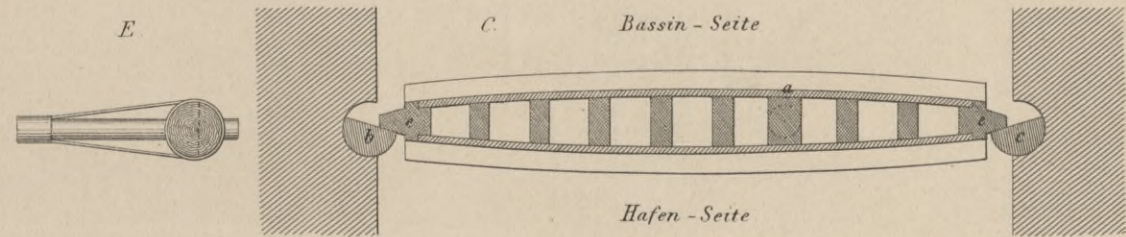
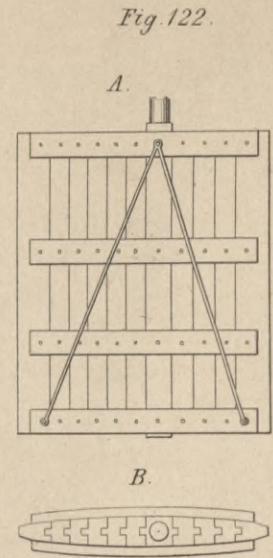
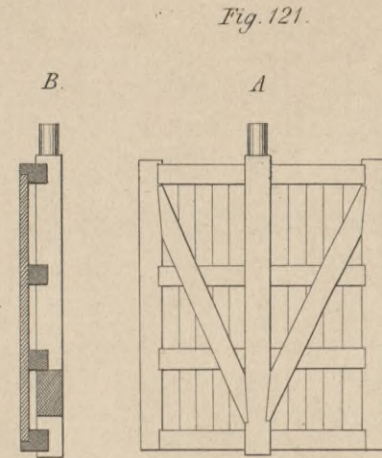
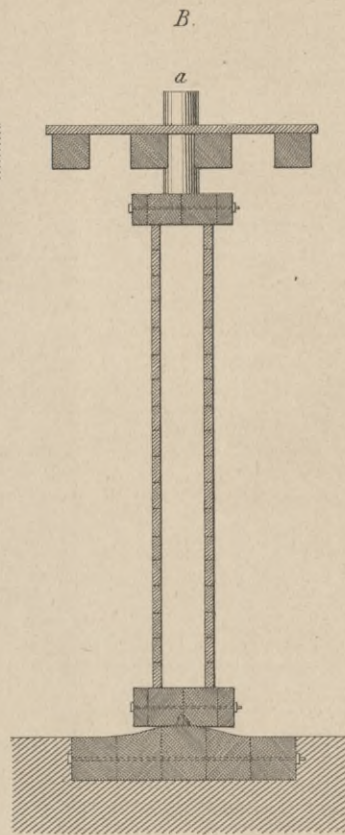
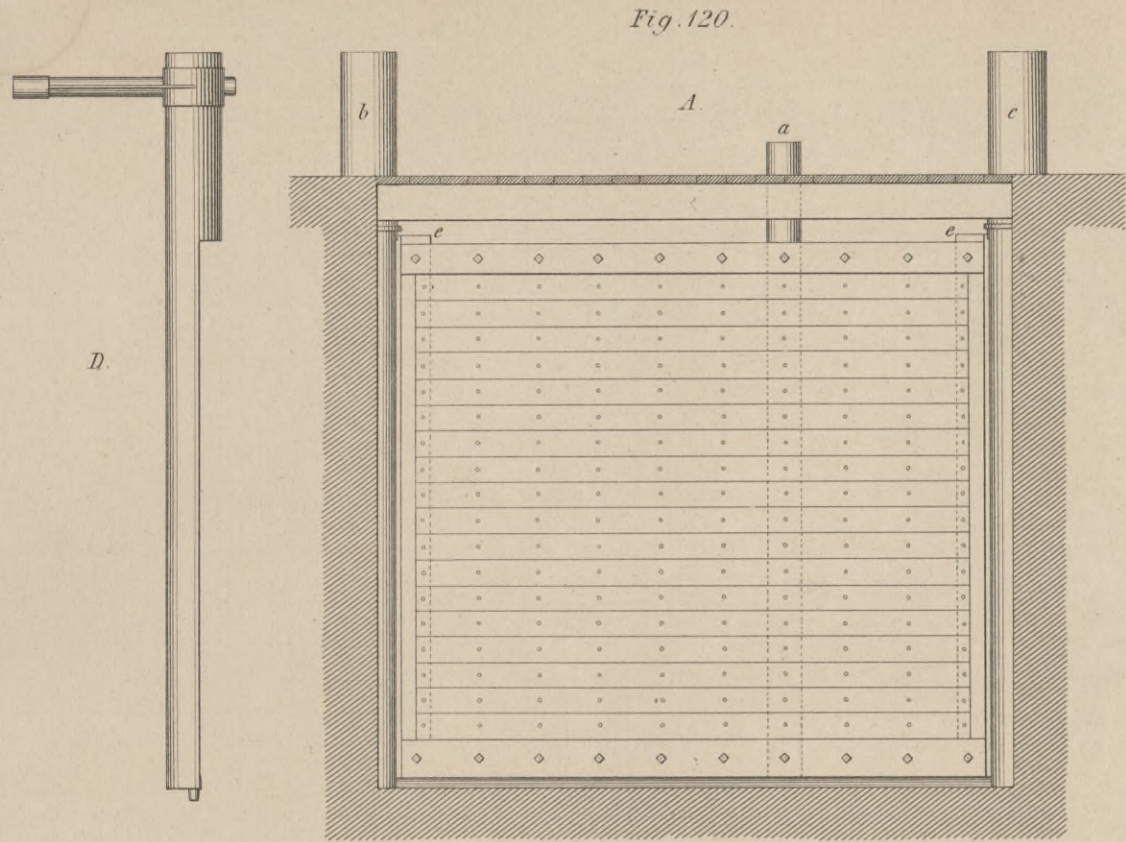


Fig. 128.

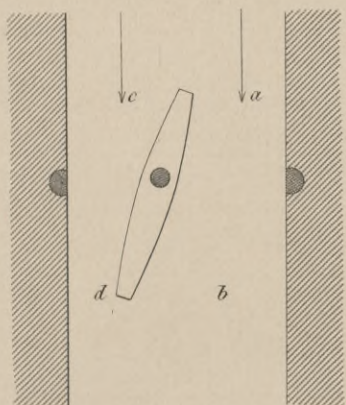


Fig. 130.

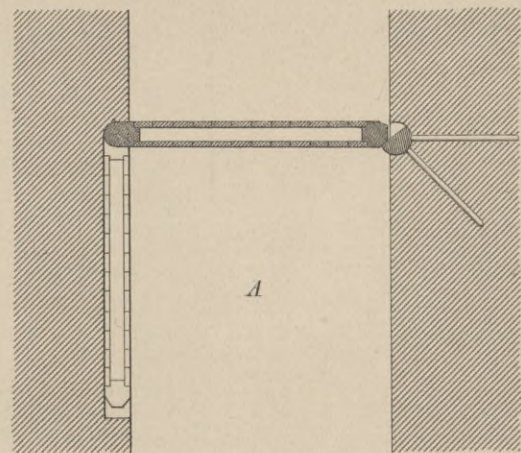


Fig. 132.

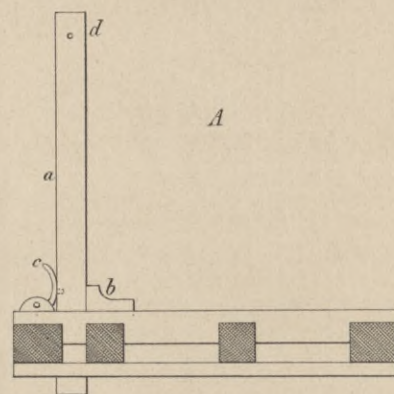


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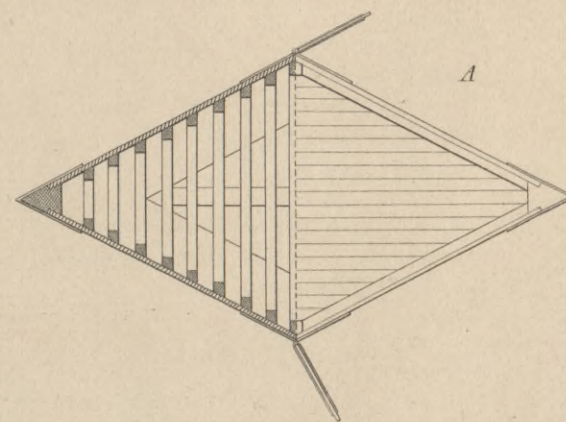
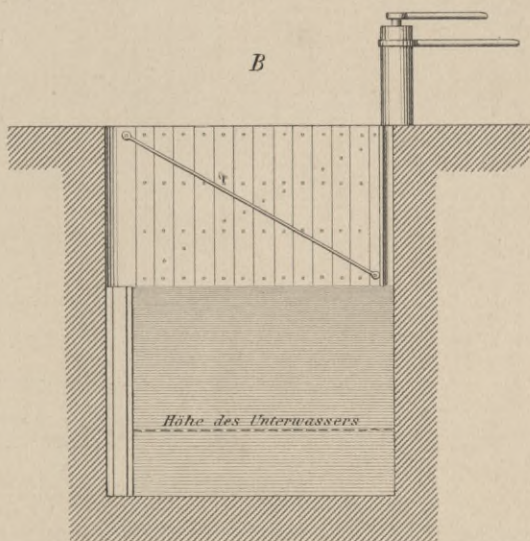
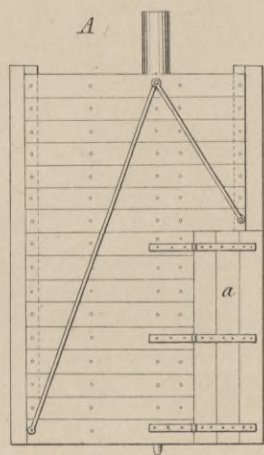
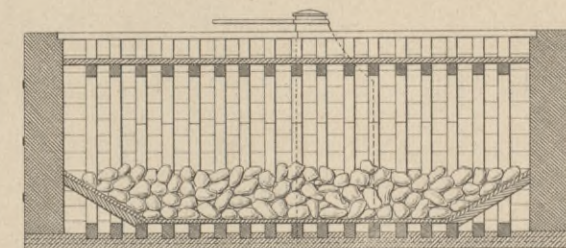
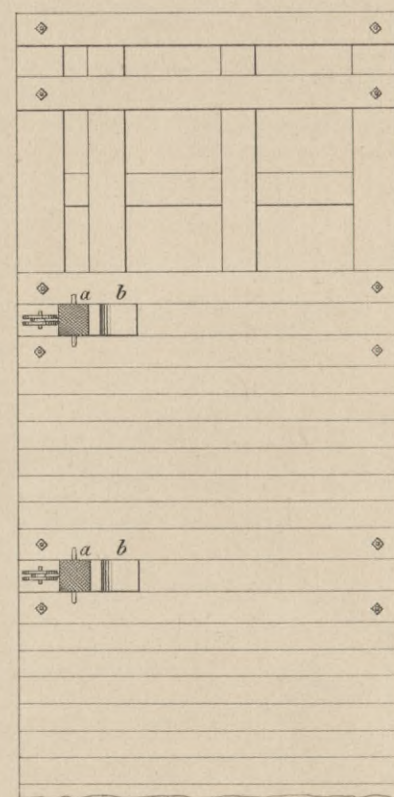


Fig. 129.



B

B



B

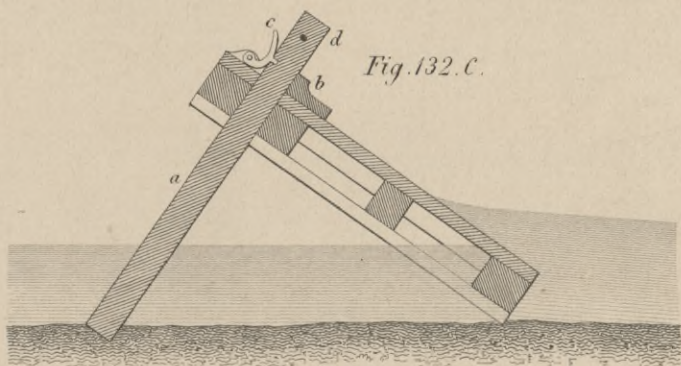
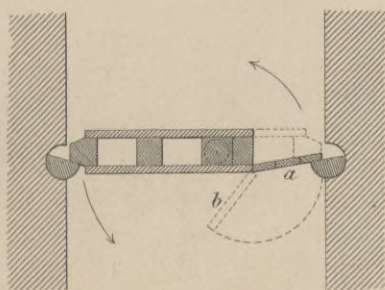
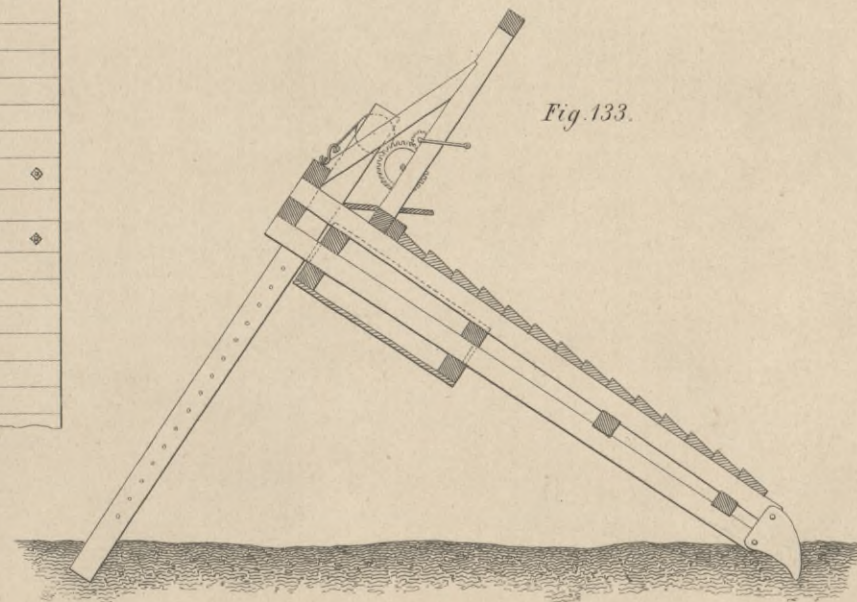


Fig. 132.C.

Fig. 133.



zu Fig. 132.A.B.C.

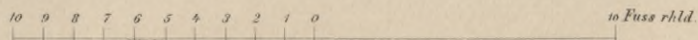


Fig. 135.

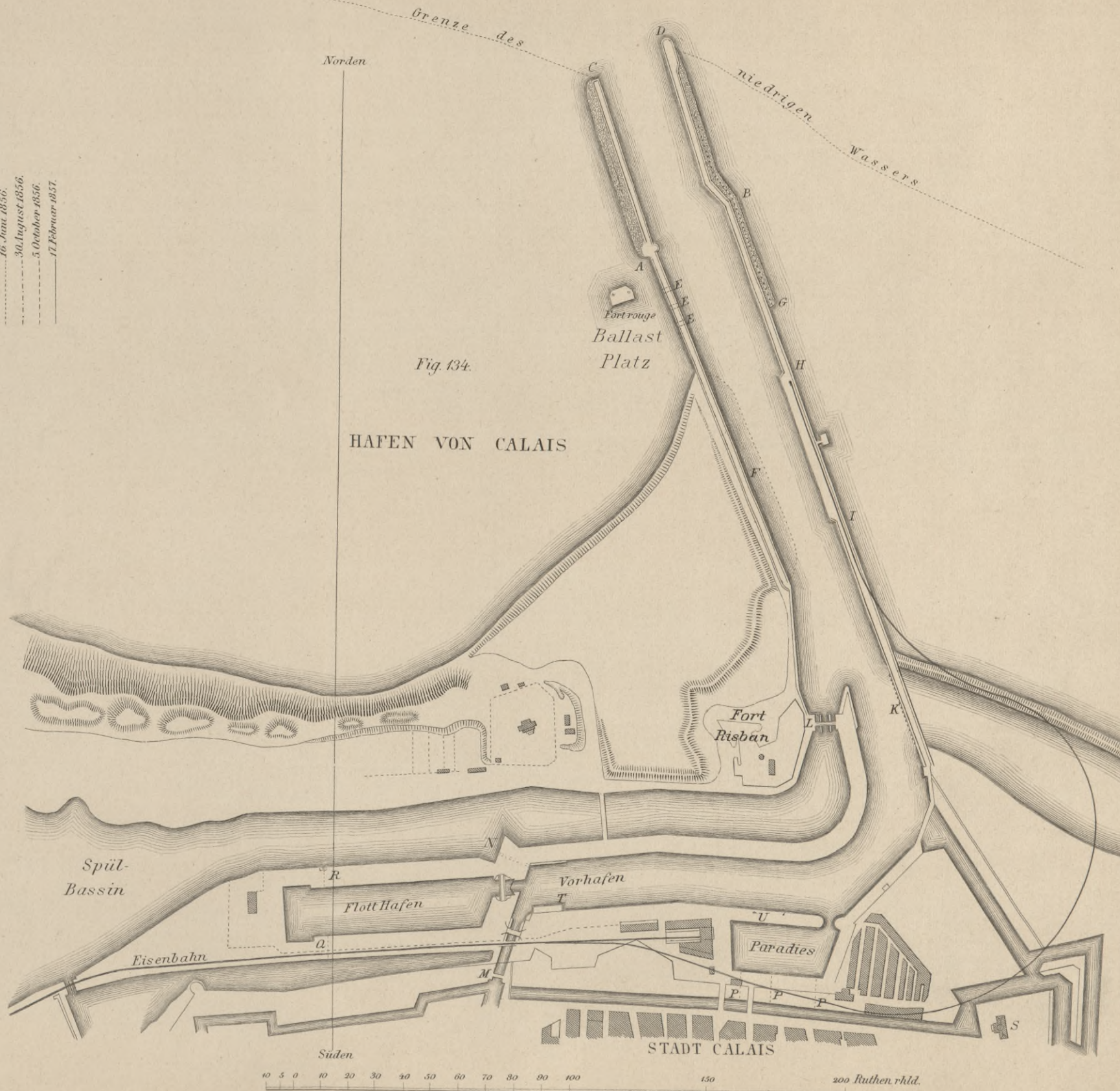
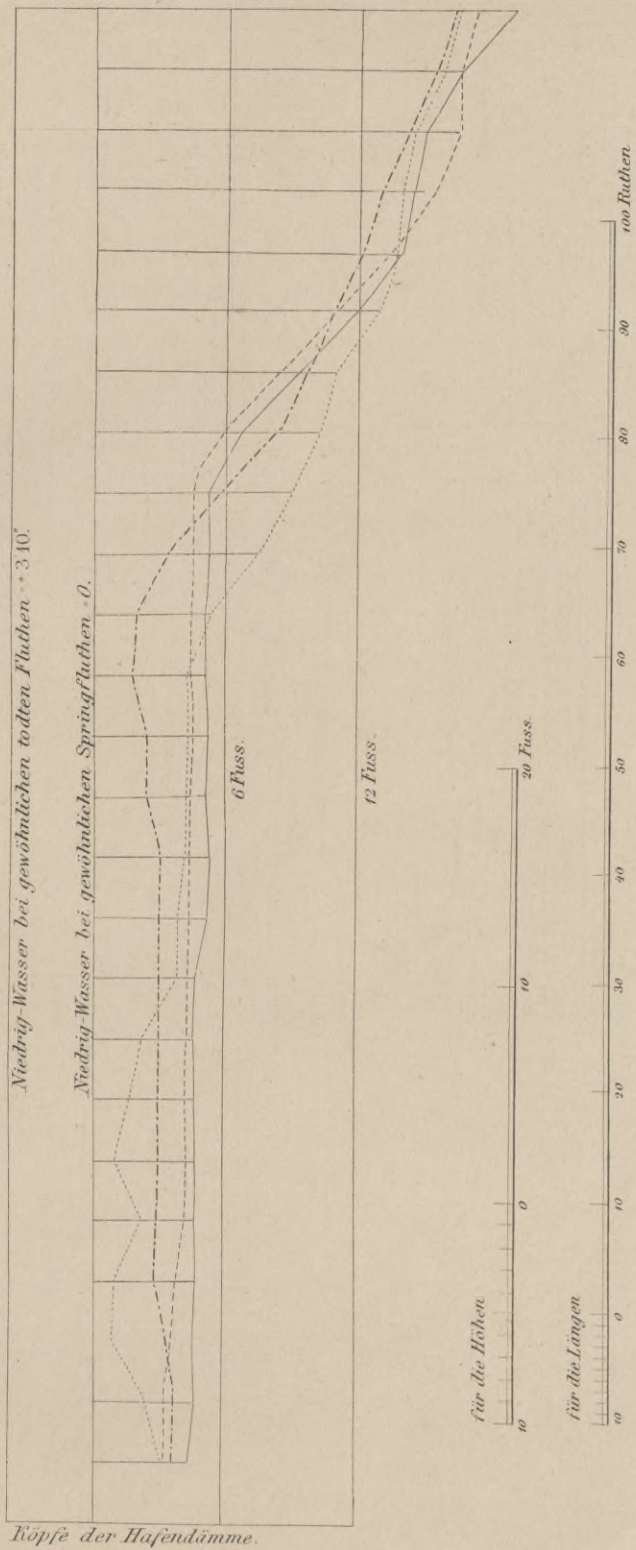
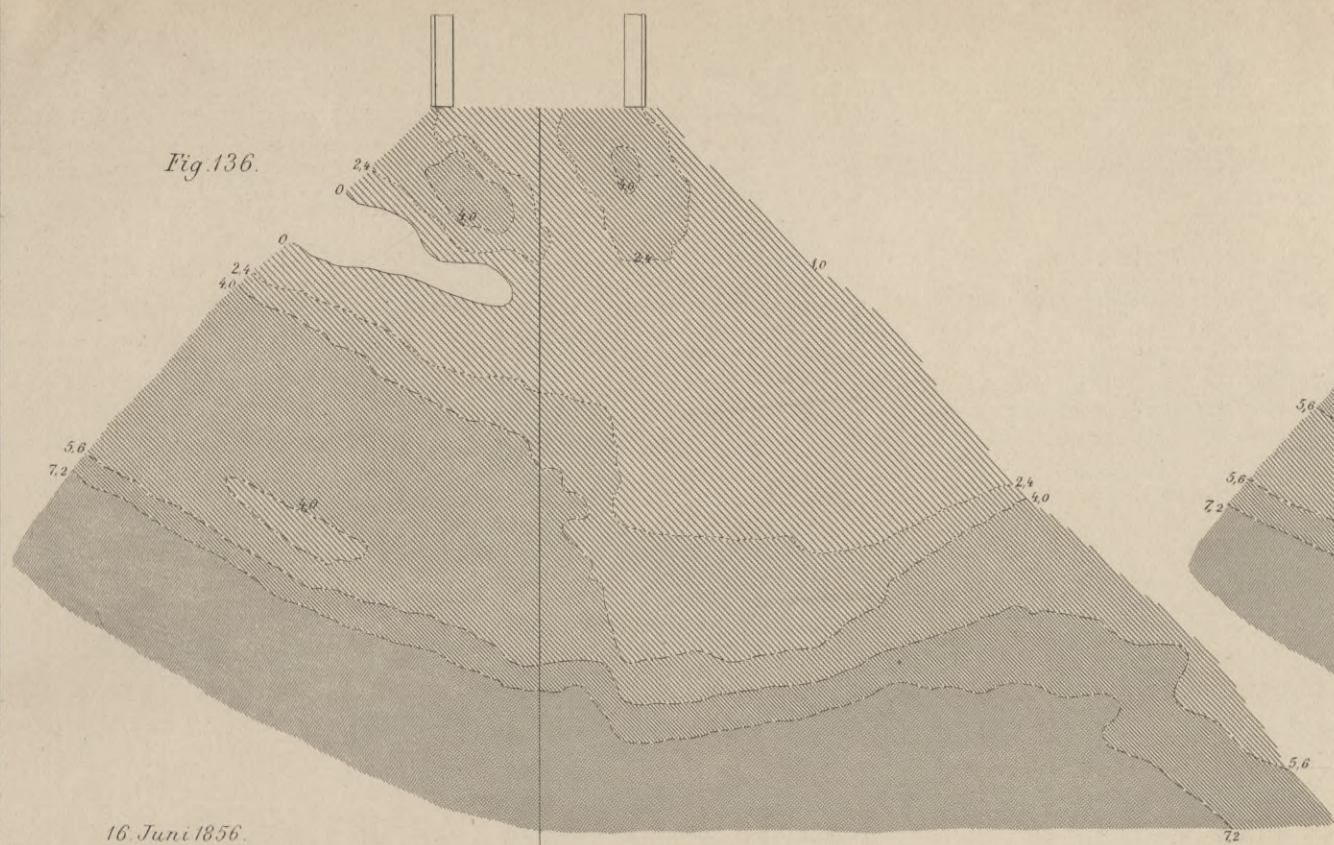
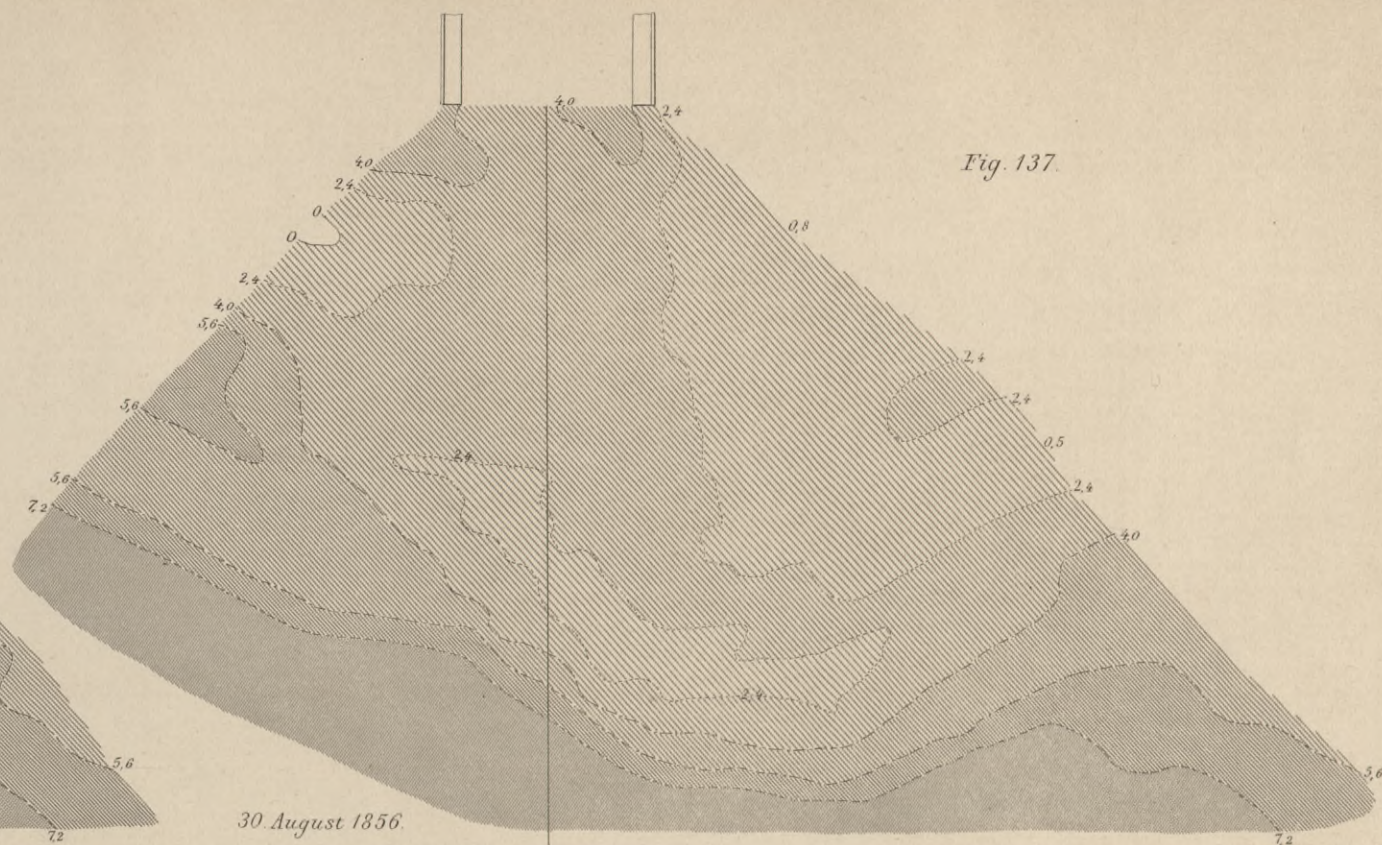


Fig. 136.



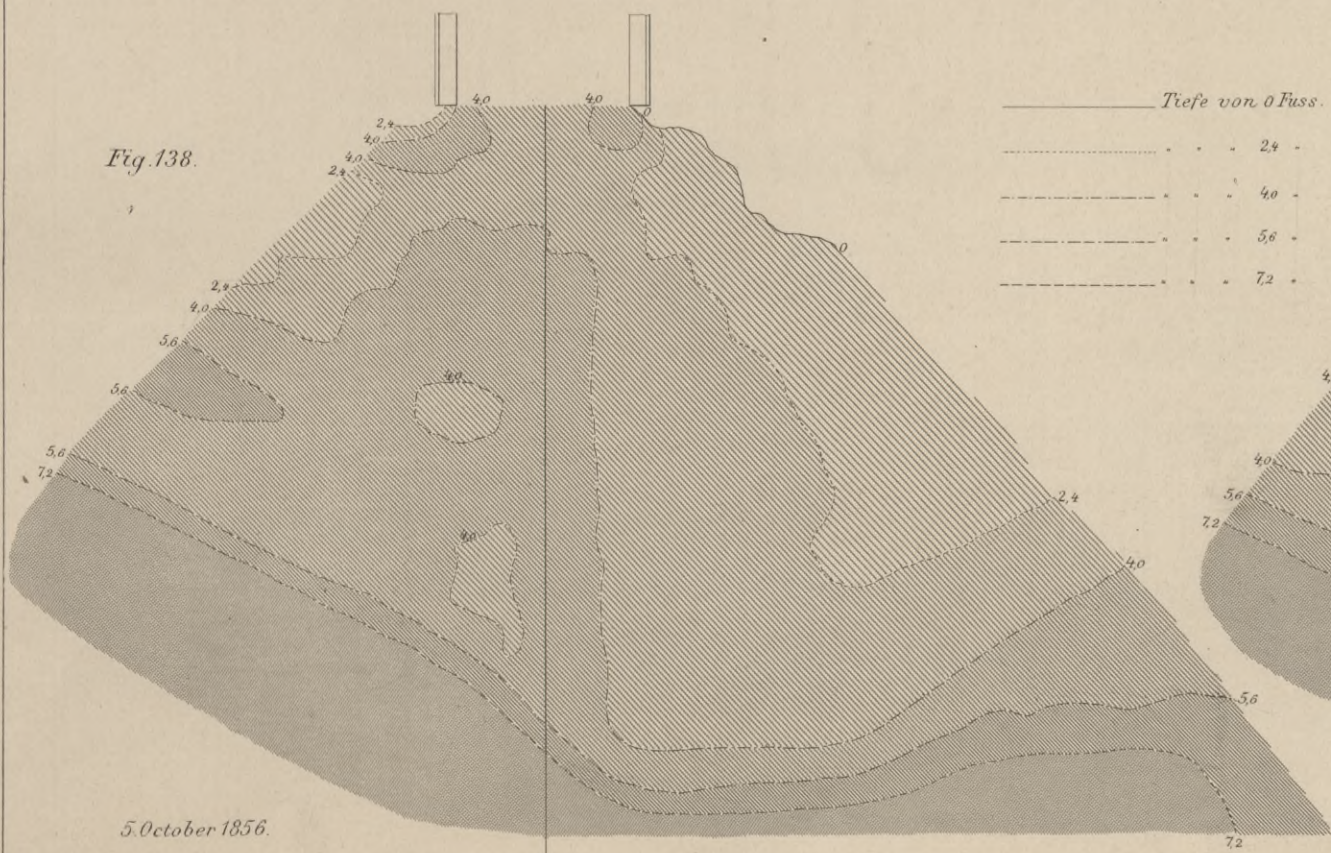
16. Juni 1856.

Fig. 137.



30. August 1856.

Fig. 138.

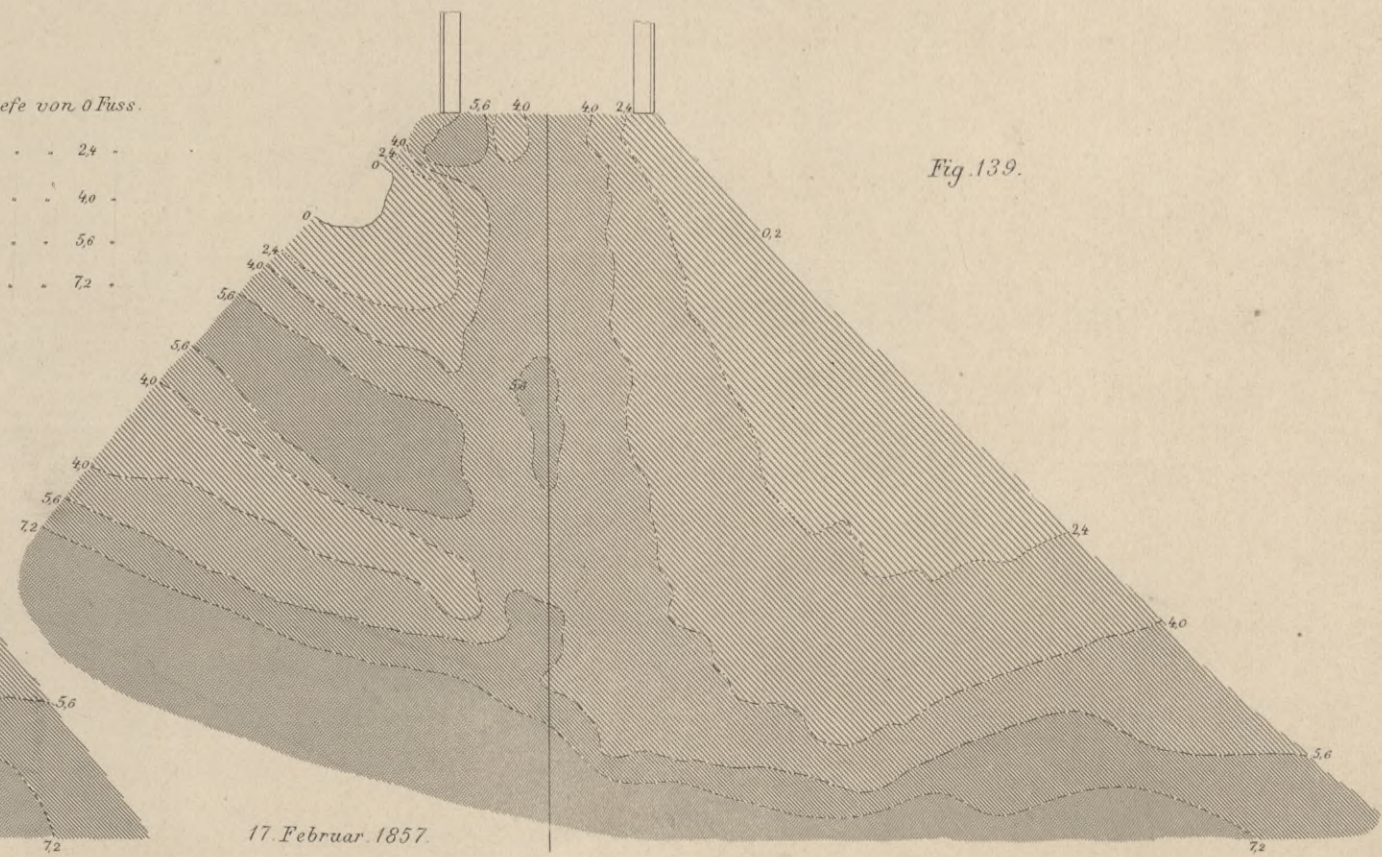


5. October 1856.

Tiefe von 0 Fuss.

- 2.4 -
- 4.0 -
- 5.6 -
- 7.2 -

Fig. 139.



17. Februar 1857.

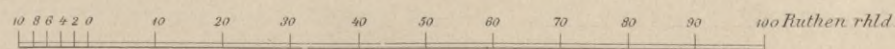


Fig. 141.

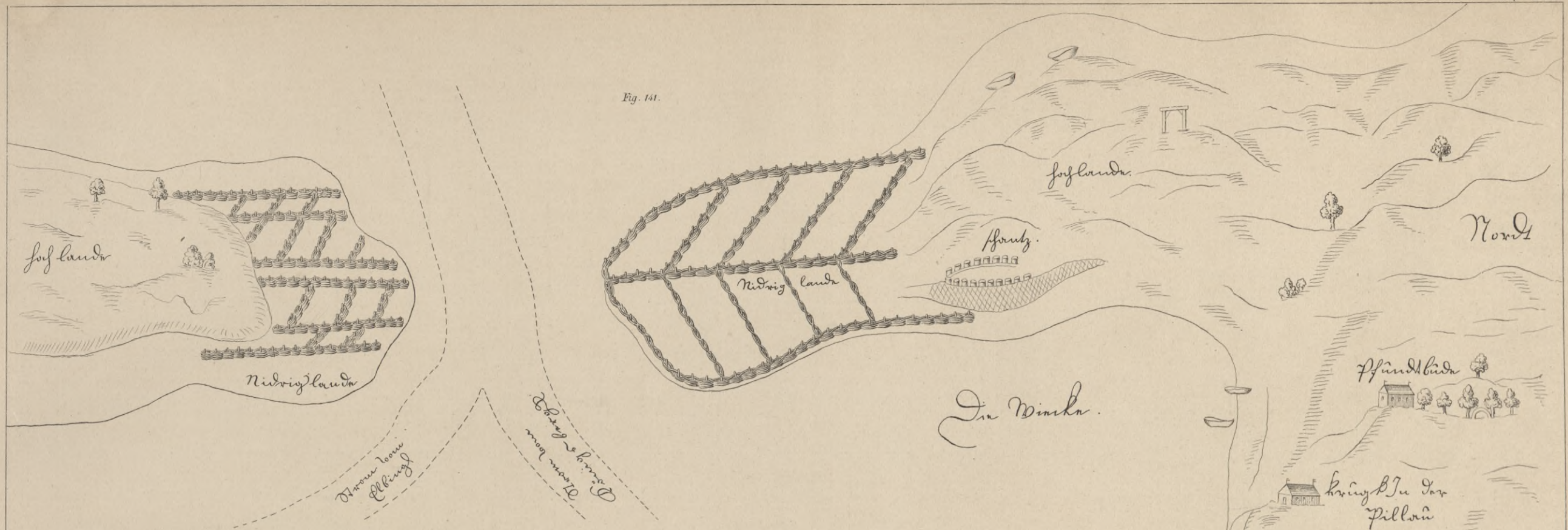


Fig. 140.



Fig. 142.

PILLAU 1695.

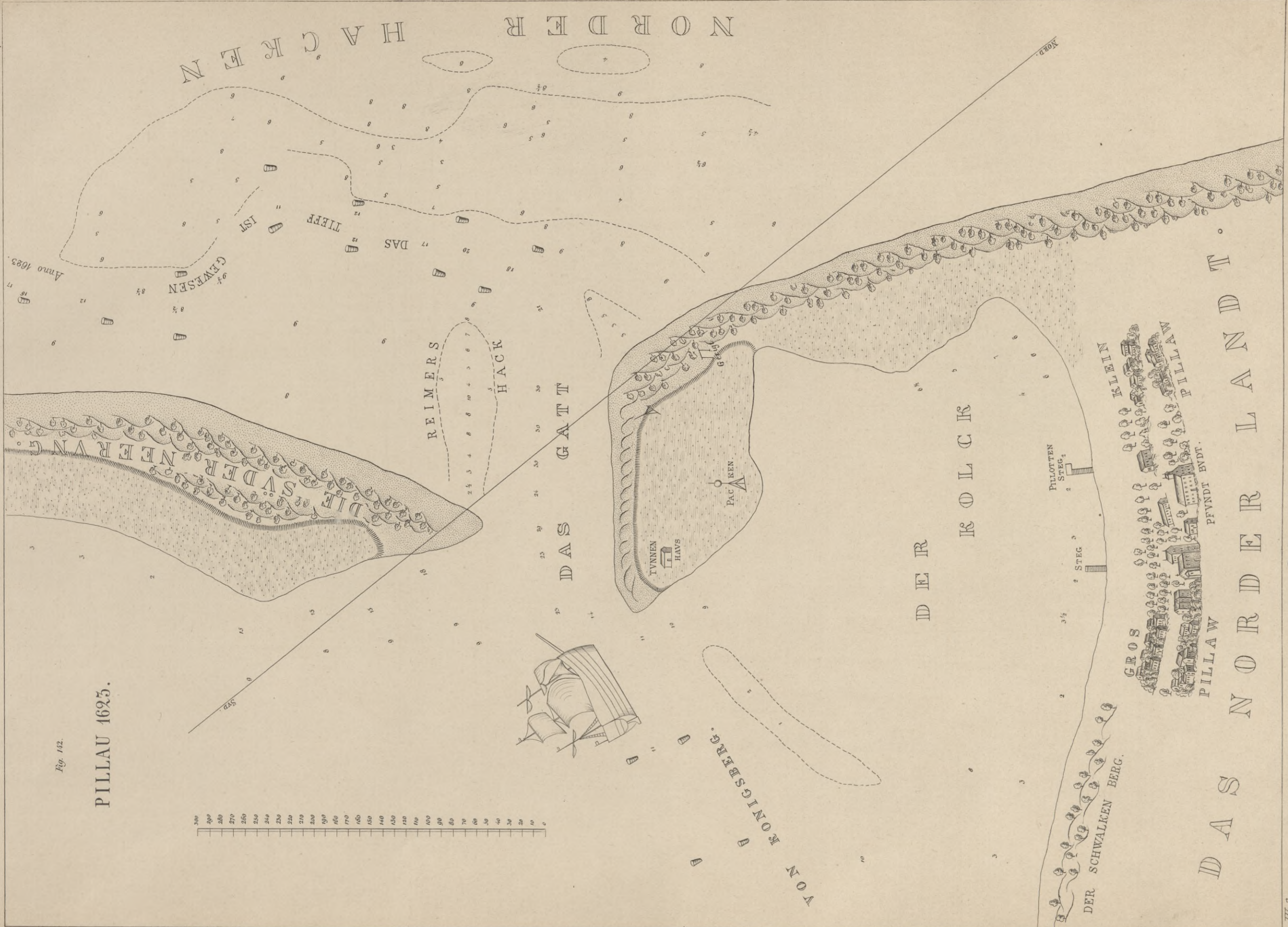
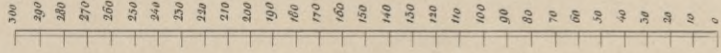


Fig. 143.

PILLAU. 1828.

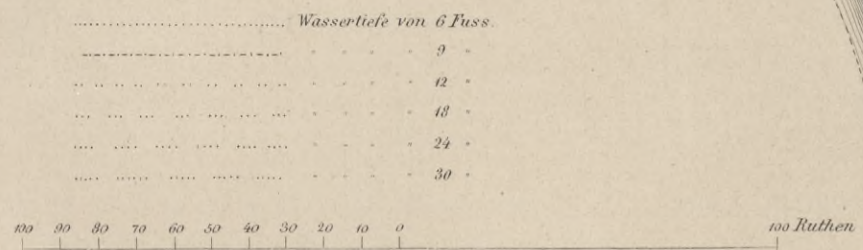
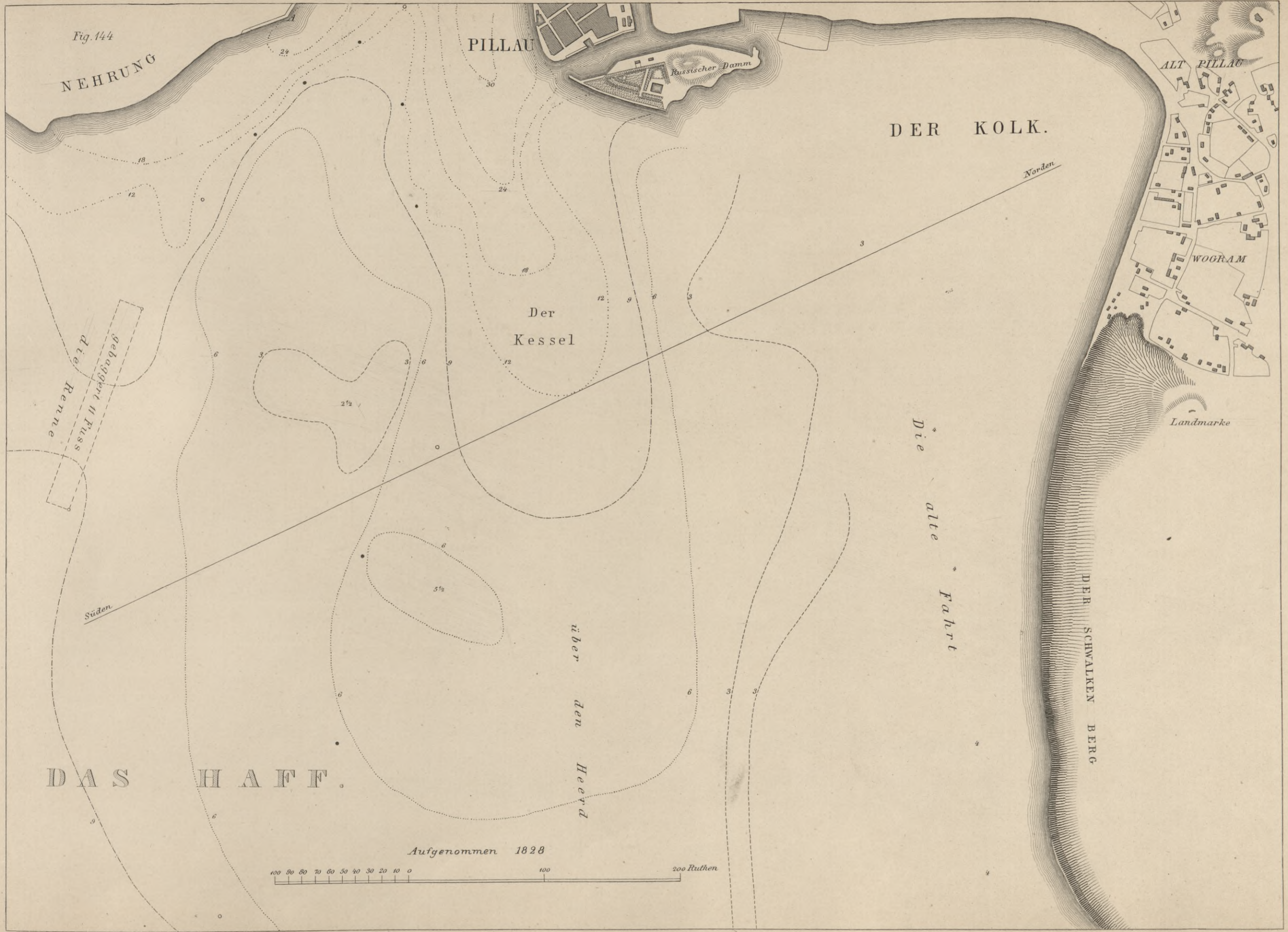


Fig. 144



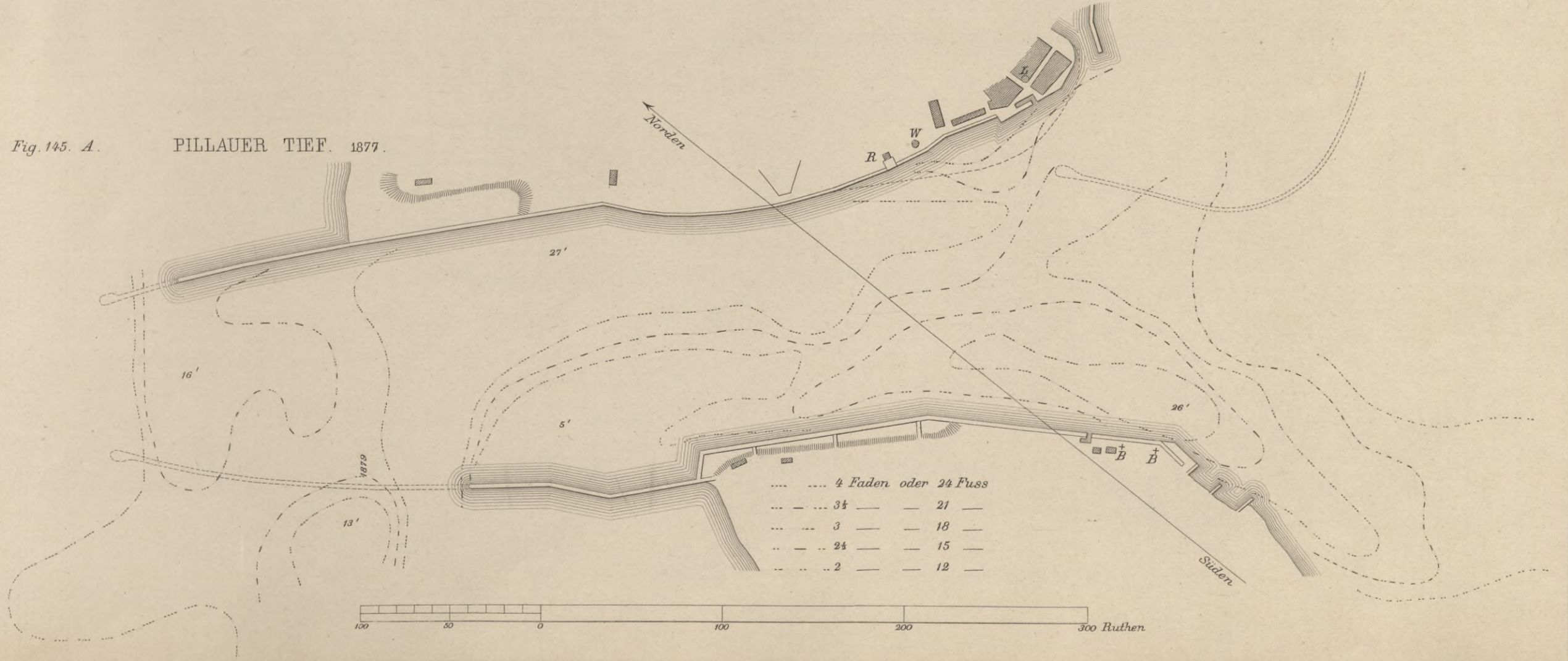
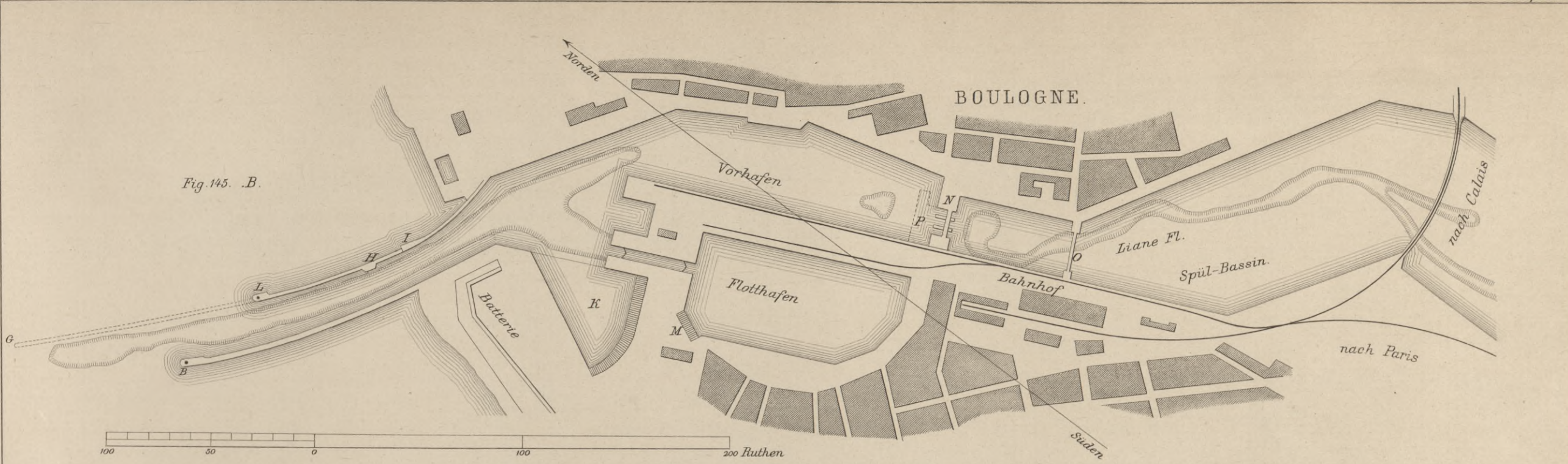


Fig. 146. C. Holyhead Flügeldamm

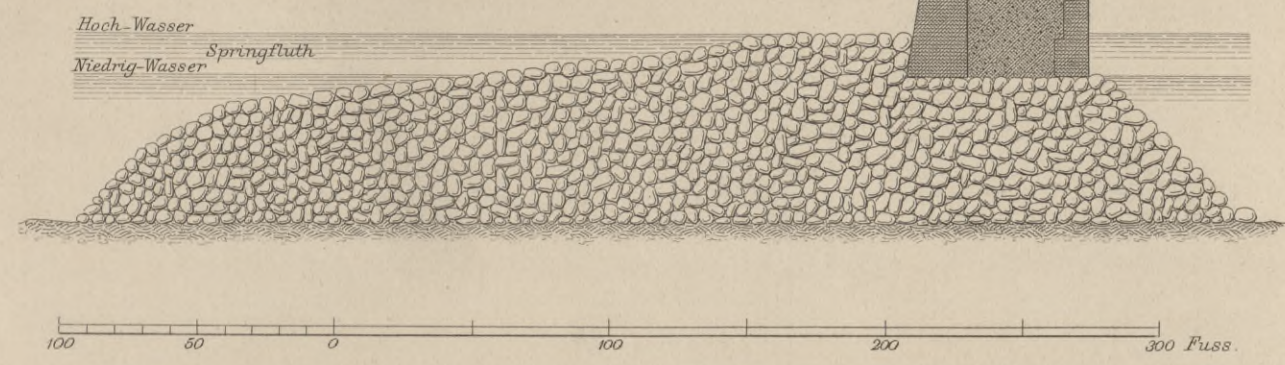
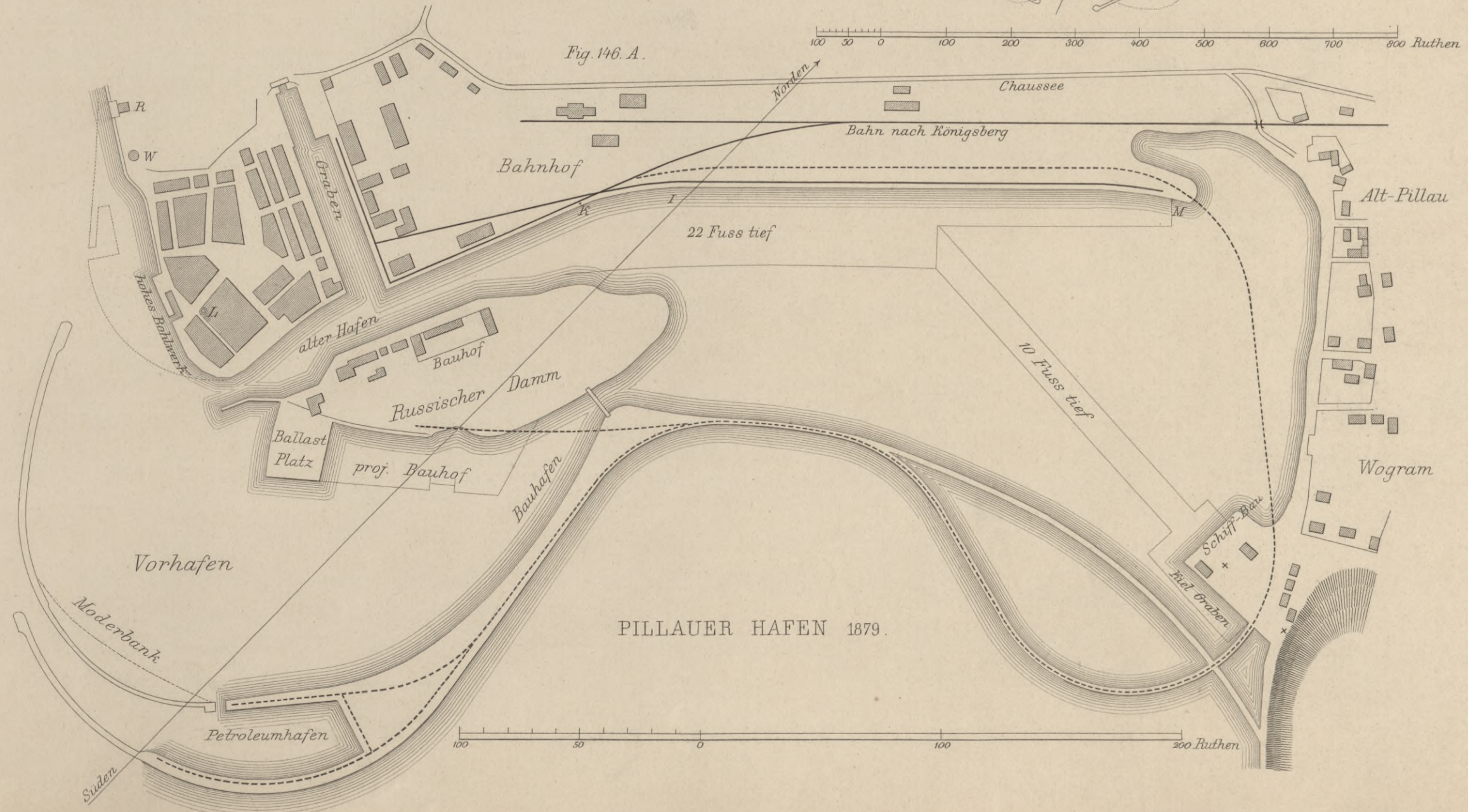


Fig. 146. B.



Fig. 146. A.



PILLAUER HAFEN 1879.

Fig. 147

PILLAUER SEEGATT

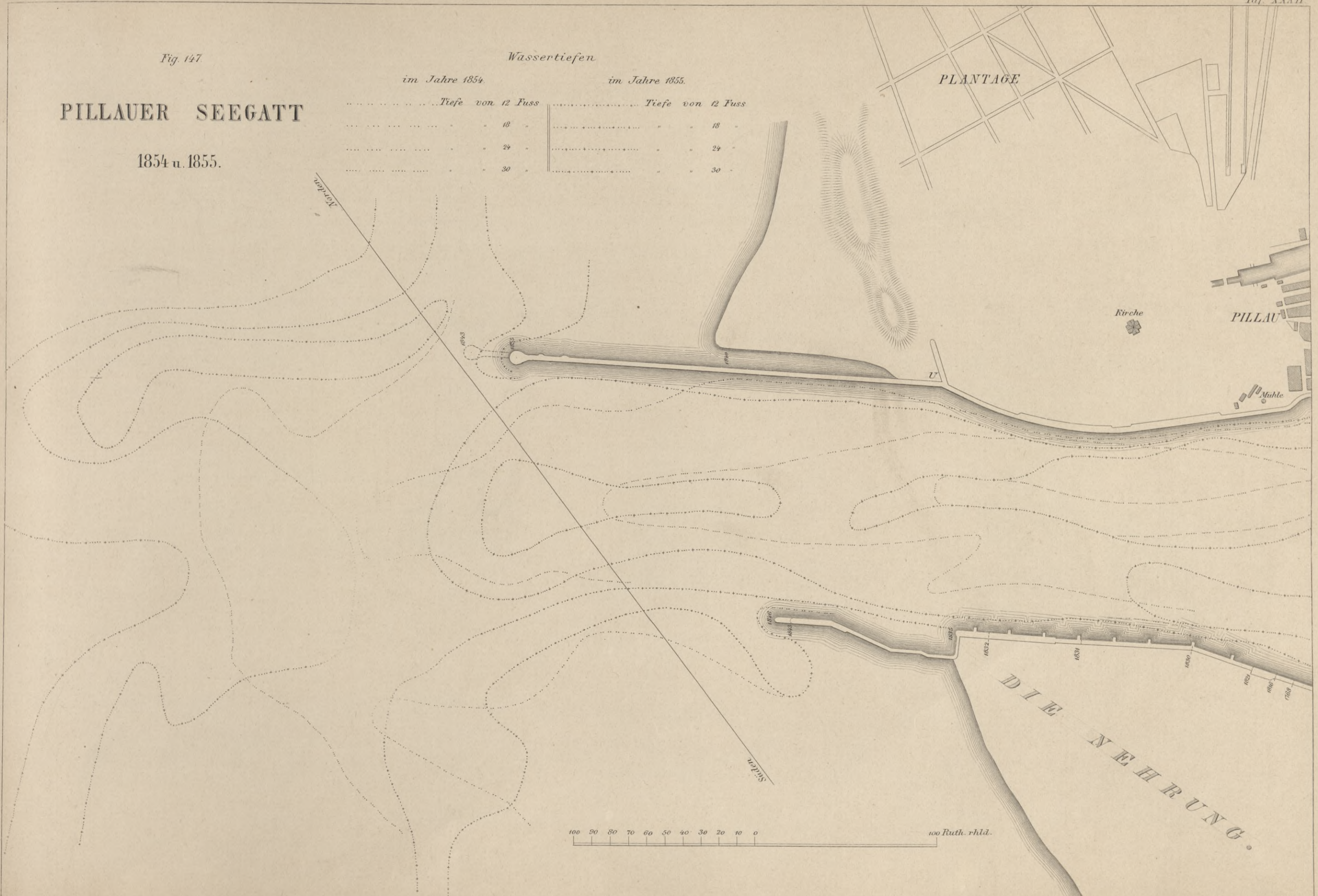
1854 u. 1855.

Wassertiefen

im Jahre 1854.

im Jahre 1855.

Tiefe von 12 Fuss		Tiefe von 12 Fuss	
.....	" 18 "	" 18 "
.....	" 24 "	" 24 "
.....	" 30 "	" 30 "



PLANTAGE

Kirche

PILLAU

Mühle

DIE NEHRUNG.

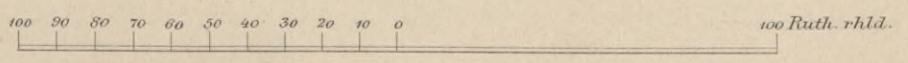


Fig. 148.

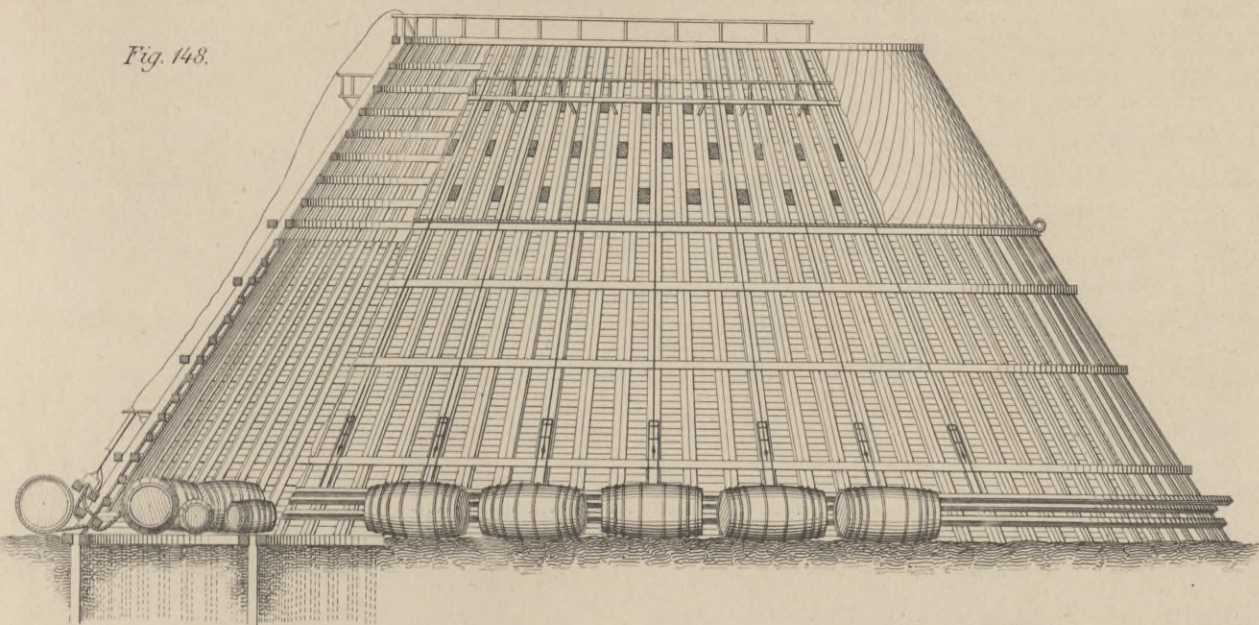


Fig. 151. a.

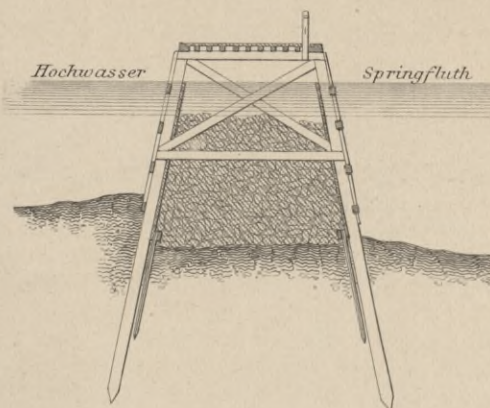


Fig. 151. b.

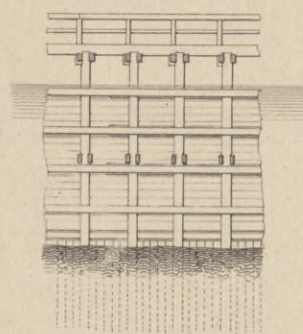


Fig. 156.

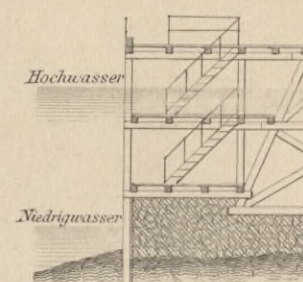


Fig. 149. a.

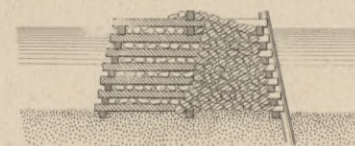


Fig. 149. b.



Fig. 150.

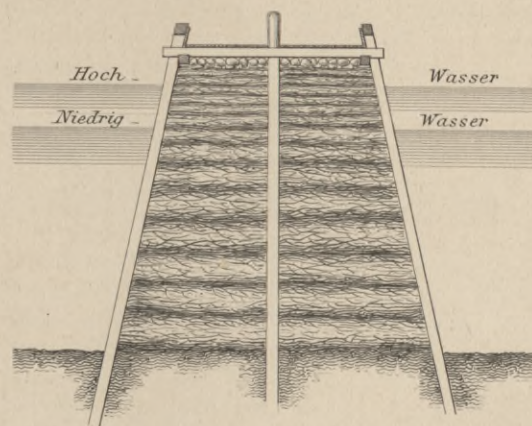


Fig. 153. a.

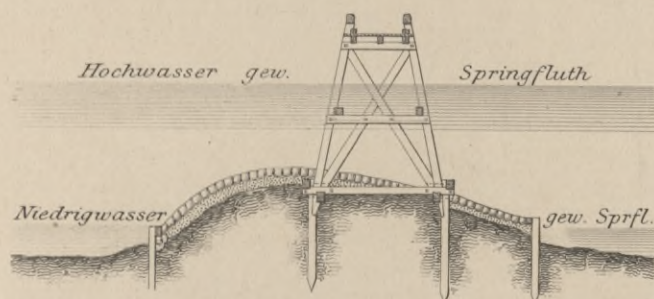


Fig. 153. b.

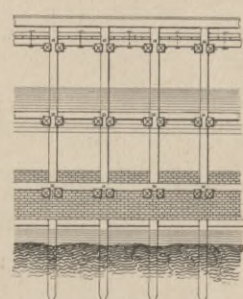


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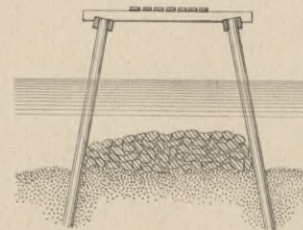


Fig. 152. b.

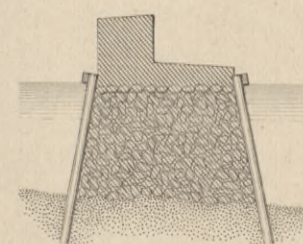


Fig. 154.

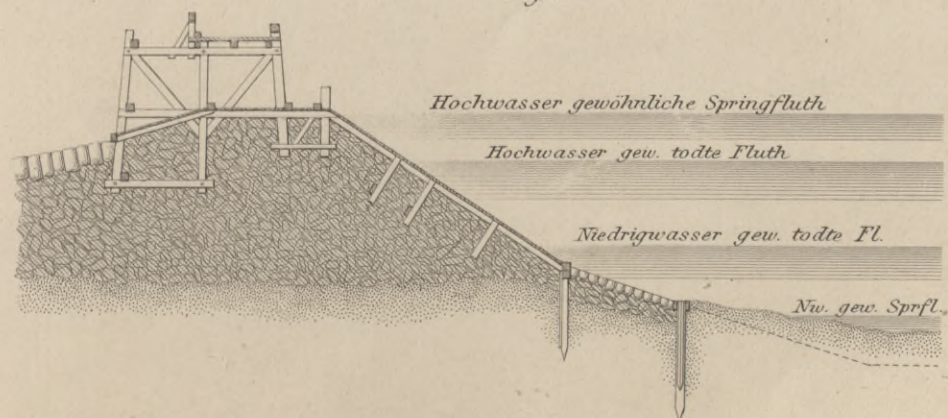


Fig. 157.



Fig. 155. b.

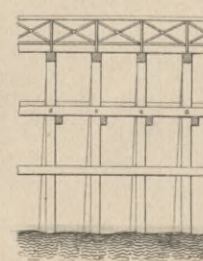
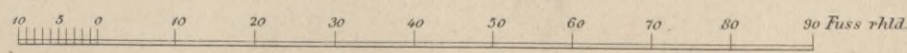
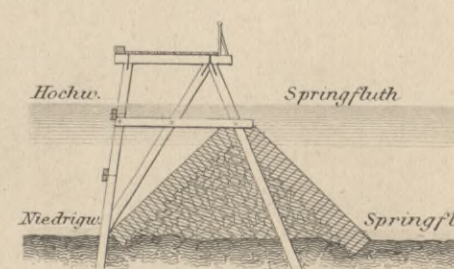
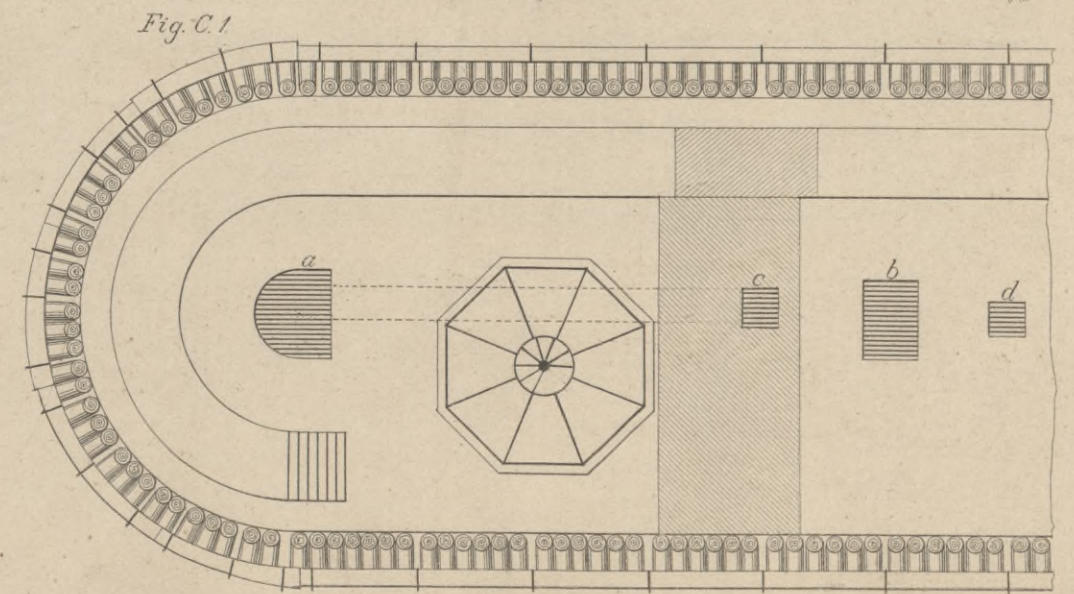
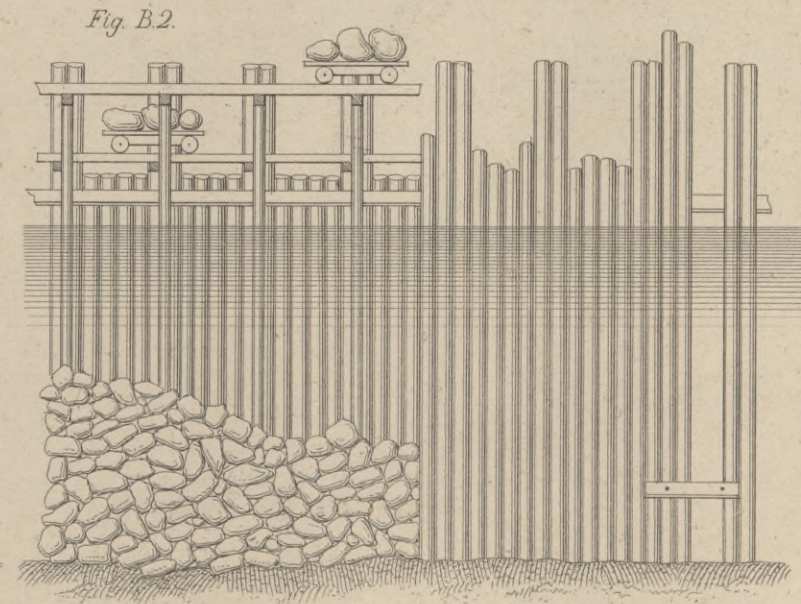
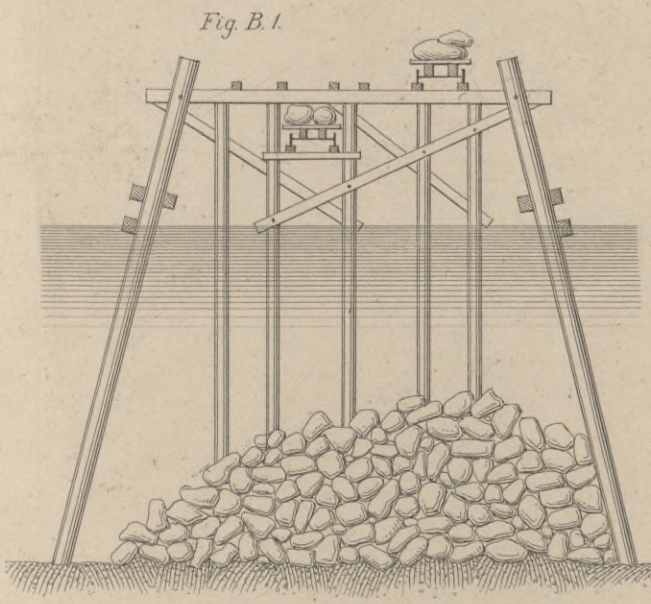
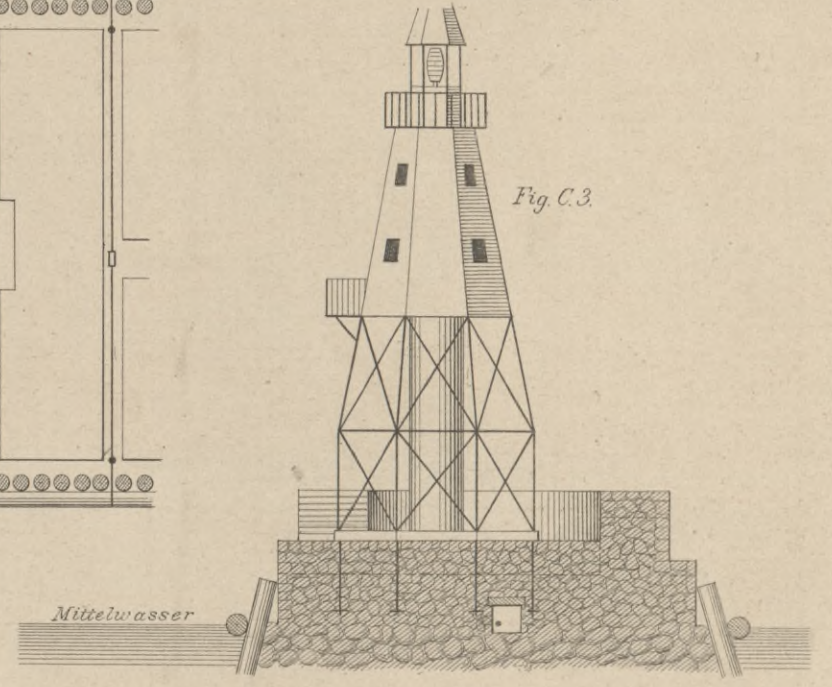
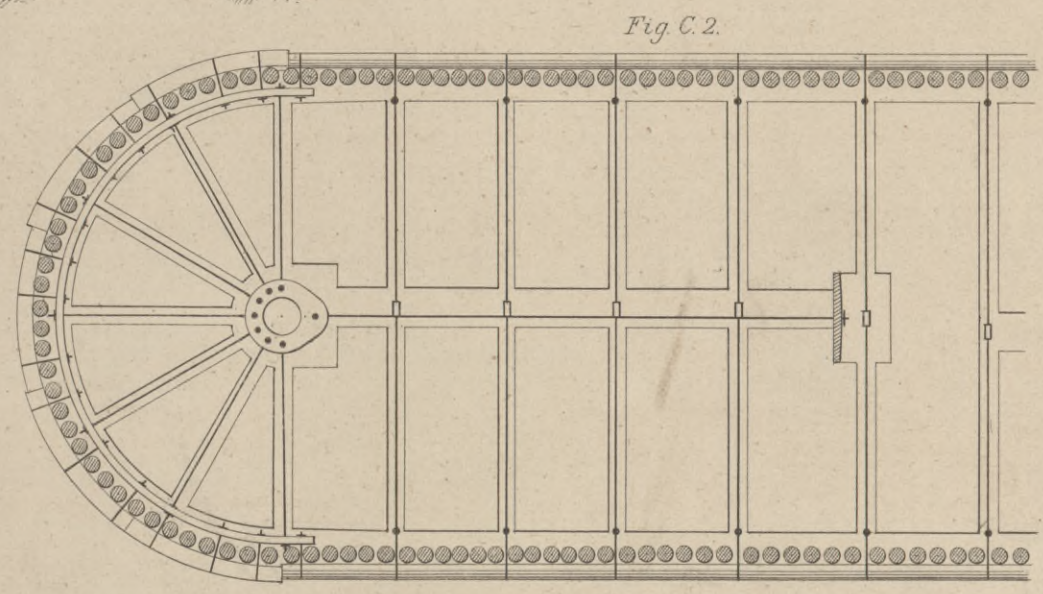
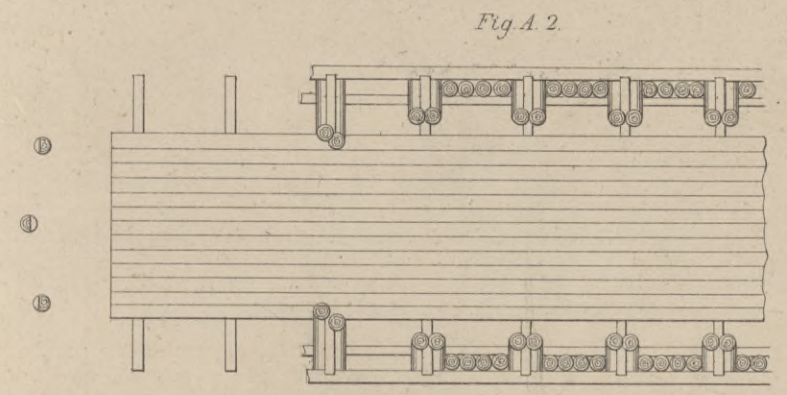
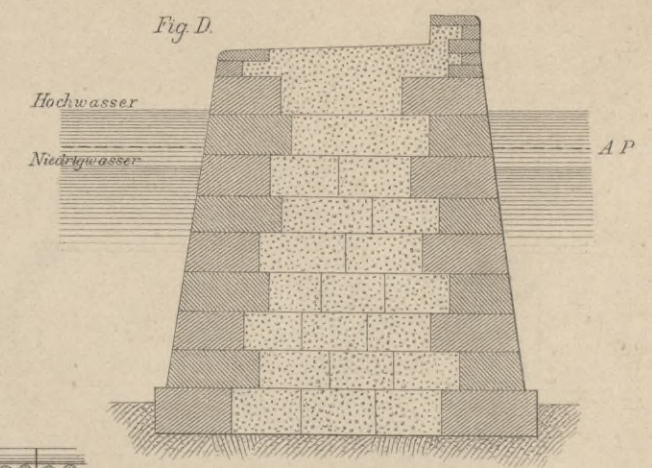
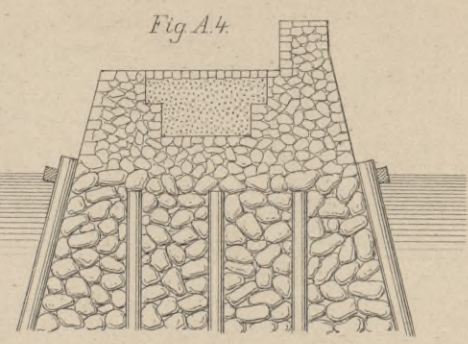
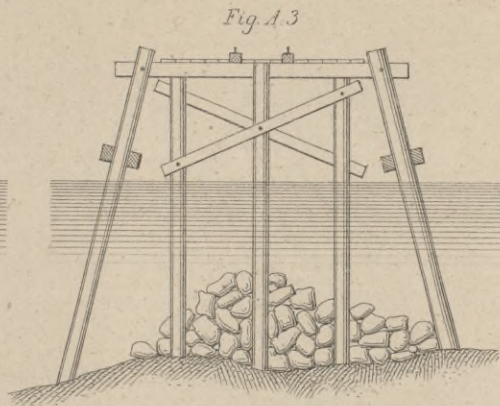
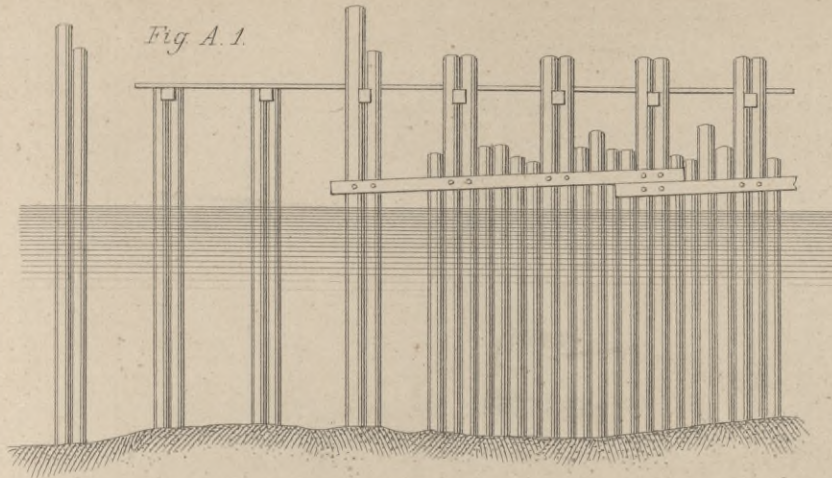


Fig. 155. a.





10 5 0 10 20 30 40 50 60 70 80 Fuss



Fig. A.



Fig. B.

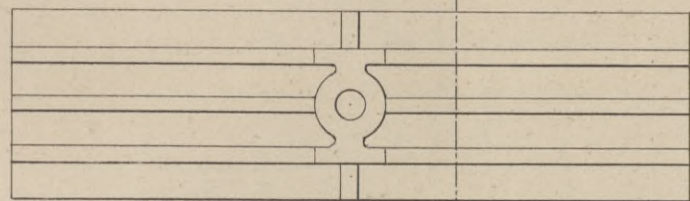
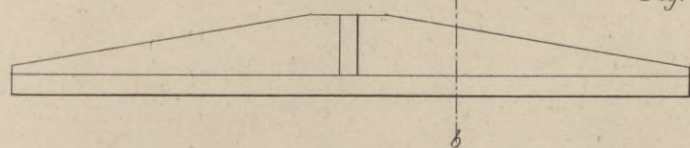


Fig. C.



a
b

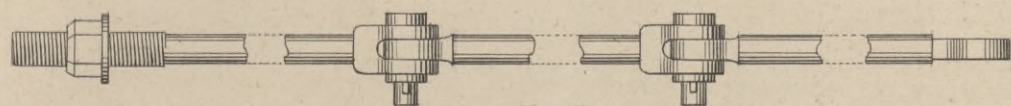


Fig. D.

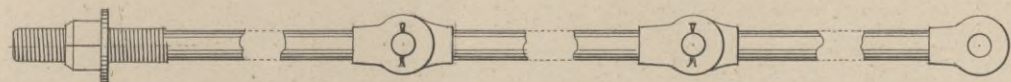
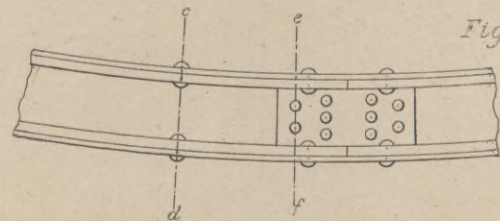


Fig. G.



zu Fig. A, B, C, D, E, F, G und H.

Zoll 12 9 6 3 0 1 2 3 4 5 6 Fuss

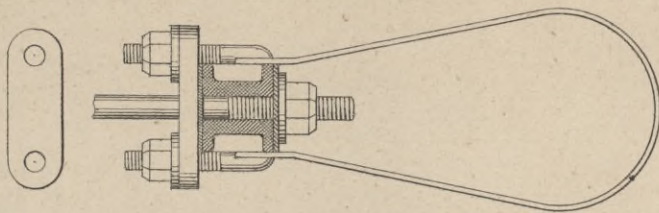


Fig. H.

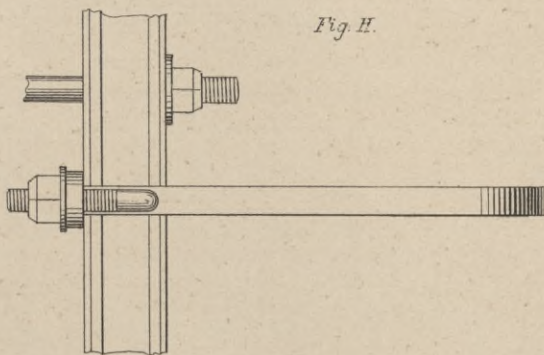


Fig. E.

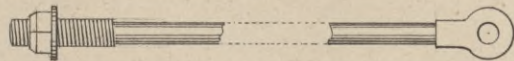
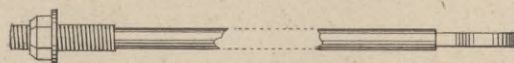
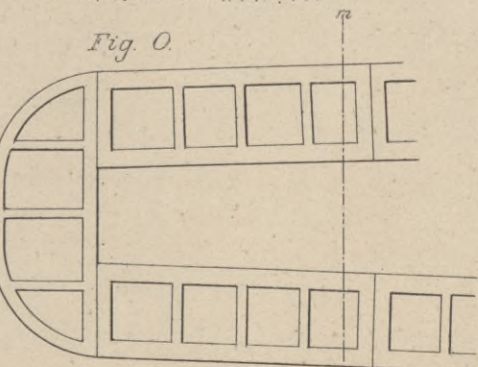
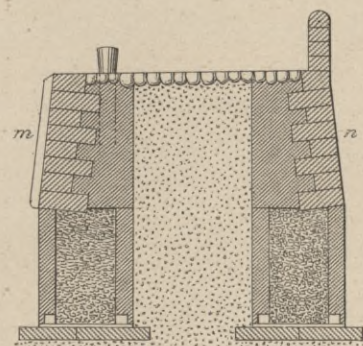


Fig. F.



10 5 0 10 20 30 40 Fuss

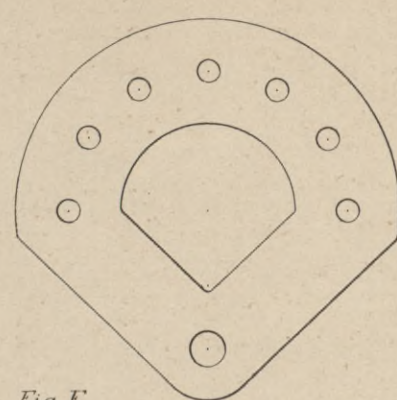


Fig. E.

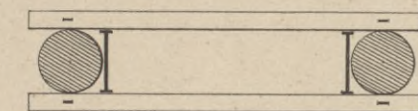
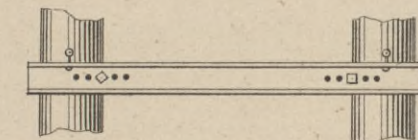
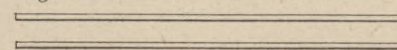


Fig. M.

zu Fig. M und N

10 5 0 10 20 30 40 Fuss

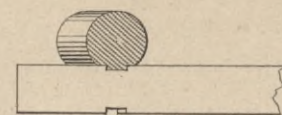


Fig. J.

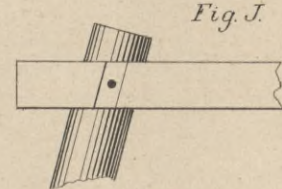


Fig. L.

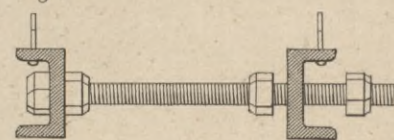


Fig. N.

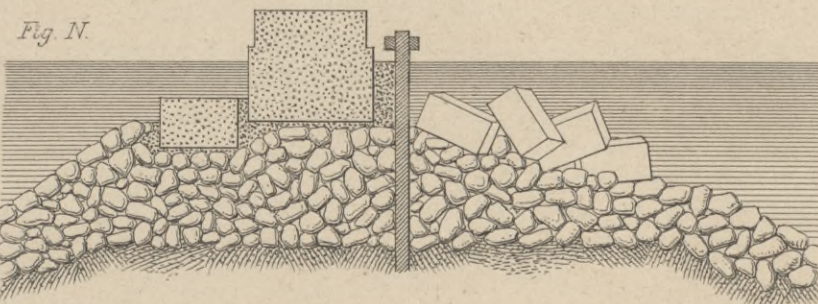


Fig. P.

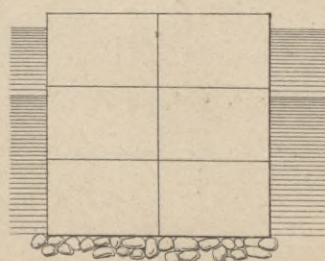
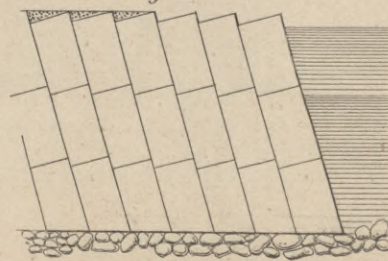


Fig. 158. Whitehaven.

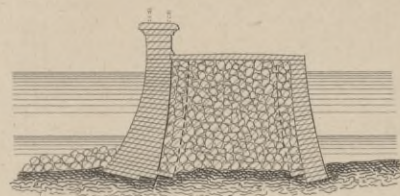


Fig. 159. Kilrush.



Fig. 160. Dover.

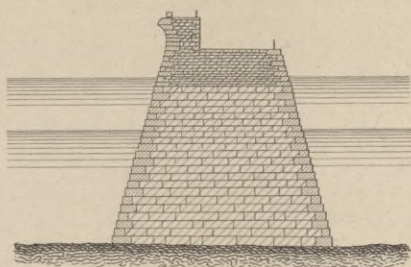


Fig. 161. Aberdeen.

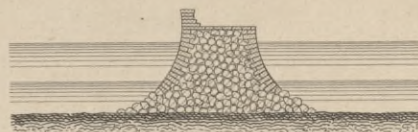


Fig. 169. Triest.

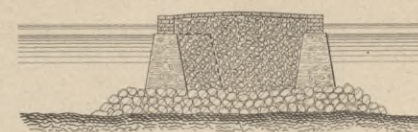


Fig. 163. Holyhead. (neuer Damm.)

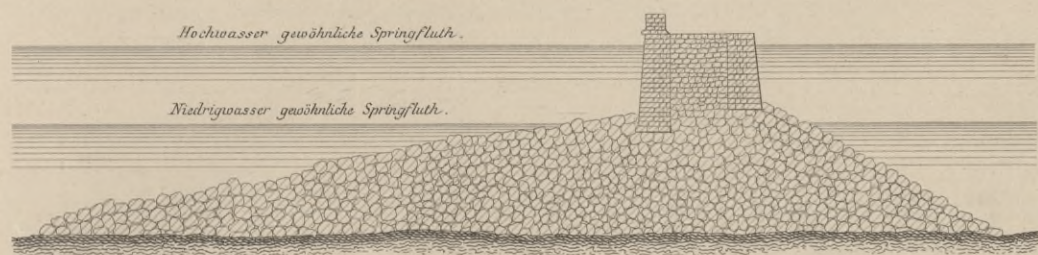


Fig. 162. Cherbourg.

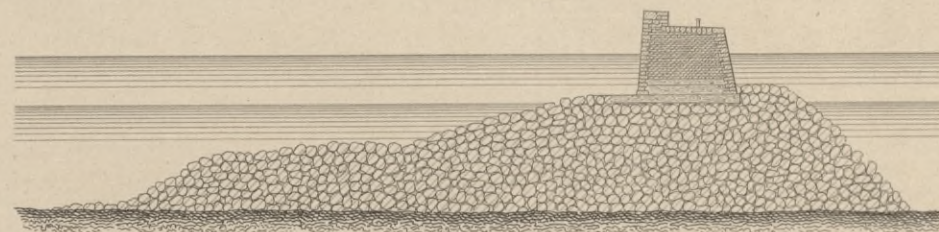


Fig. 168. Port Vendres.

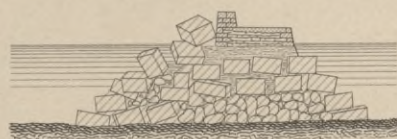


Fig. 173. Holyhead. (alter Damm.)



Fig. 167. Marseille.



Fig. 164. Portland.

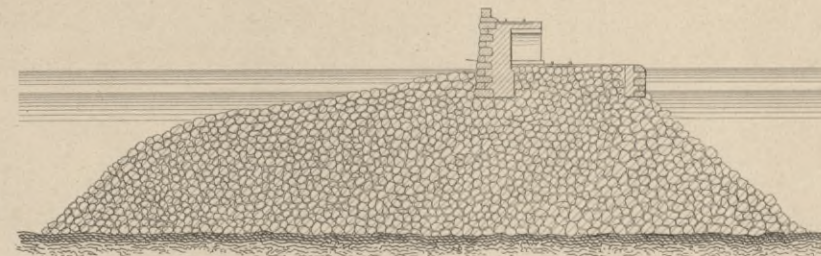


Fig. 165. Alderney.

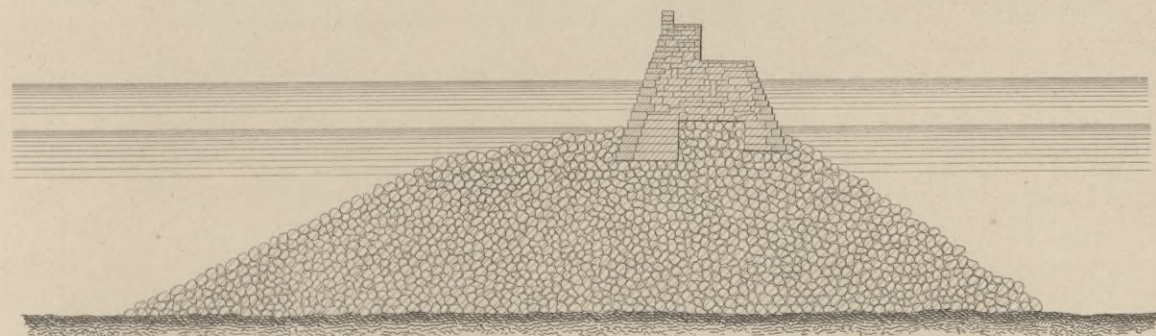


Fig. 170. Plymouth.

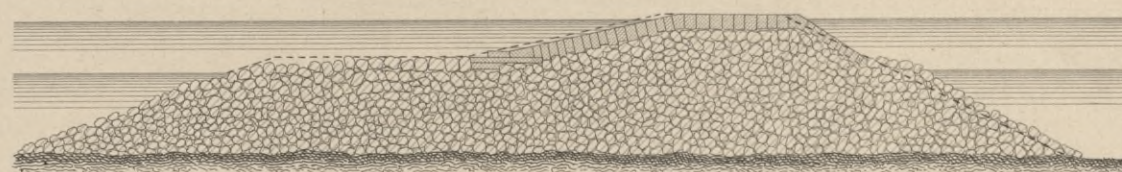


Fig. 166. Cotte.



Fig. 171. Swinemünde.

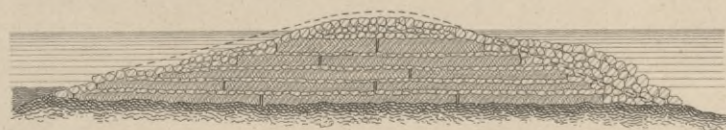
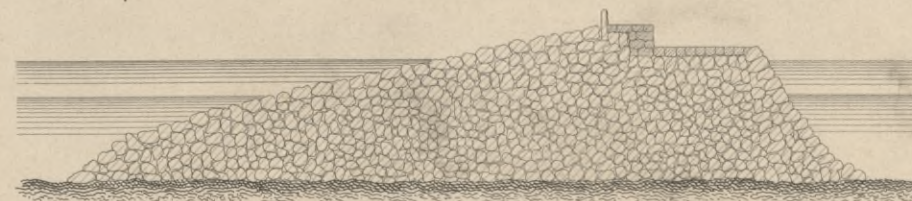


Fig. 172. Kingstown.



100 90 80 70 60 50 40 30 20 10 0

100

200

300 Fuss rhein.

Fig. 174. c.

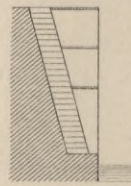


Fig. 174. b.

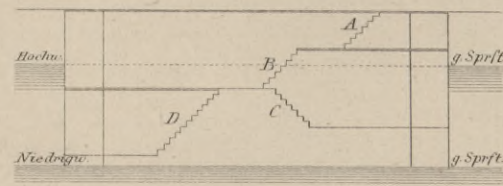


Fig. 174. a.

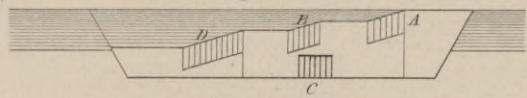


Fig. 176.

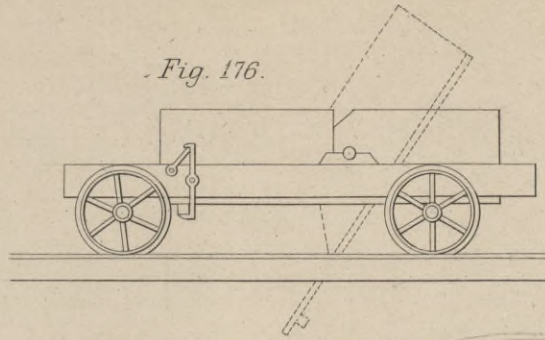


Fig. 176. a.

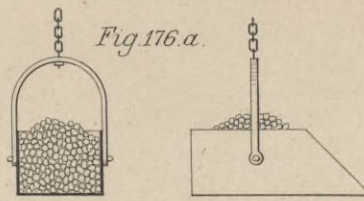
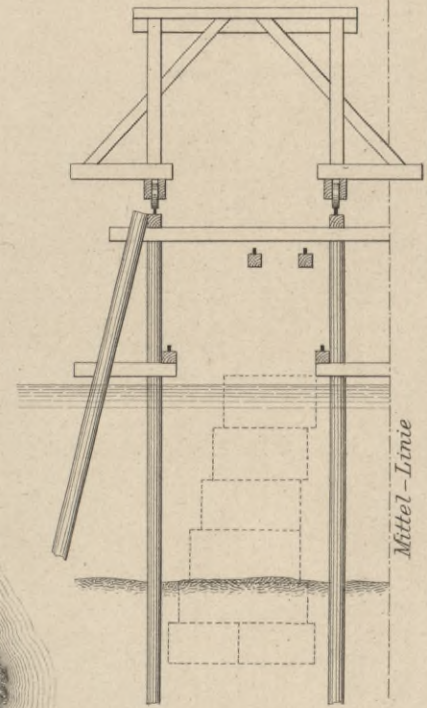


Fig. 177.



Mittel-Linie

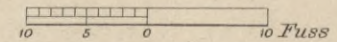


Fig. 175.

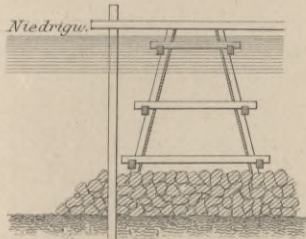


Fig. 179.

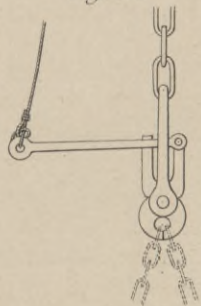


Fig. 178. a.

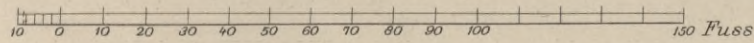
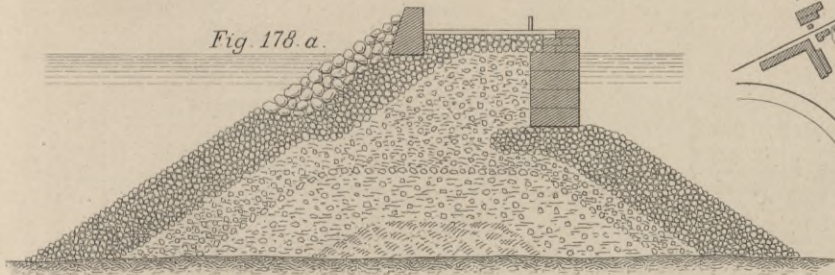


Fig. 180.



NEUER HAFEN

ALTER HAFEN

STADT HOLYHEAD

STADT TRIEST

Fig. 178.

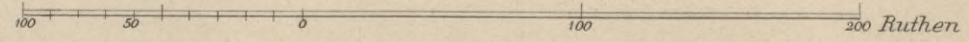
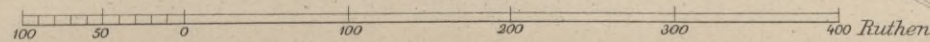
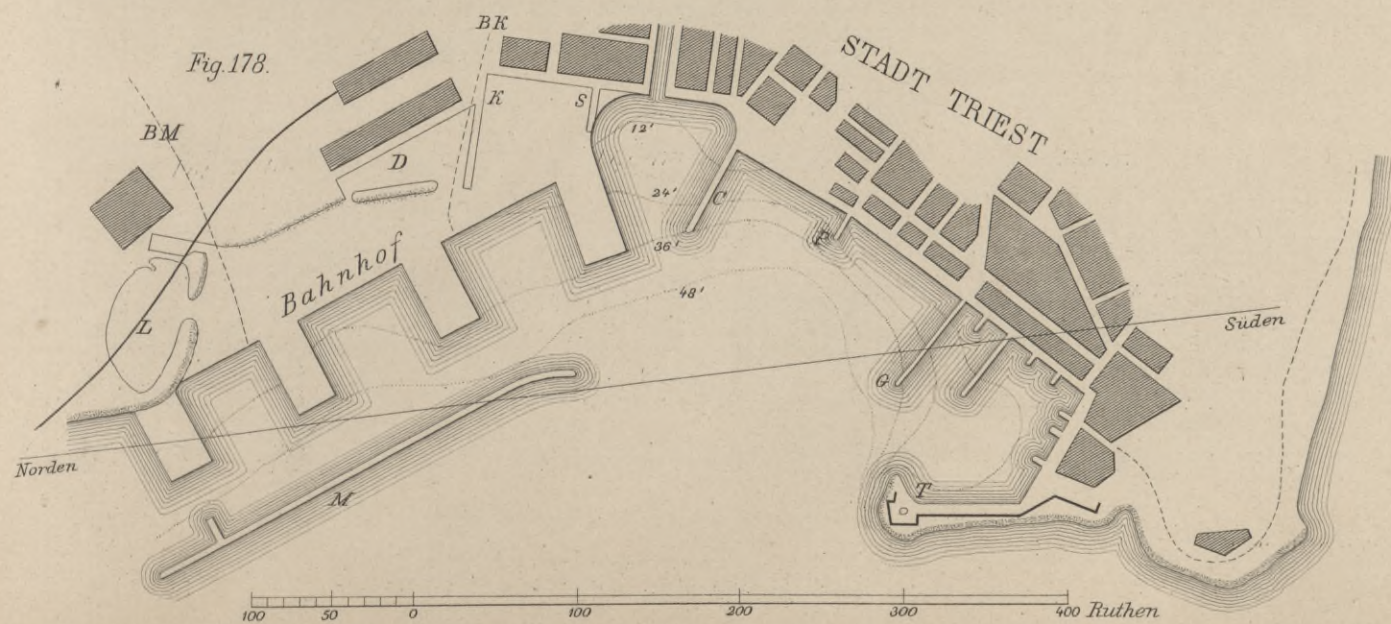


Fig. 182. b.

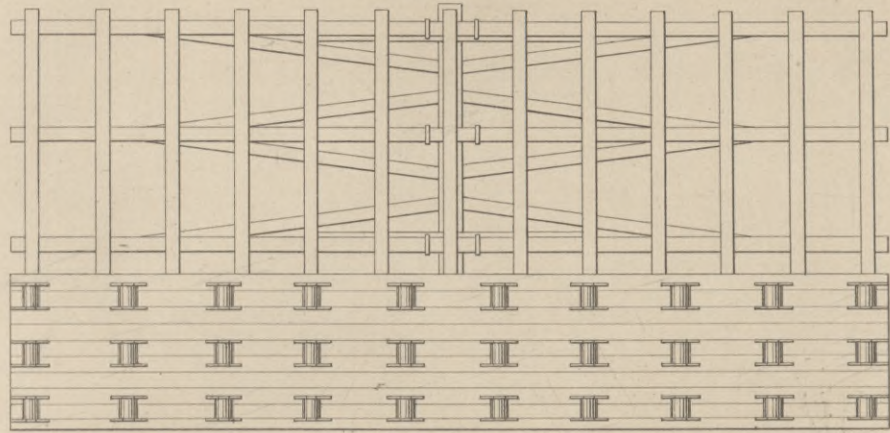


Fig. 182. a.

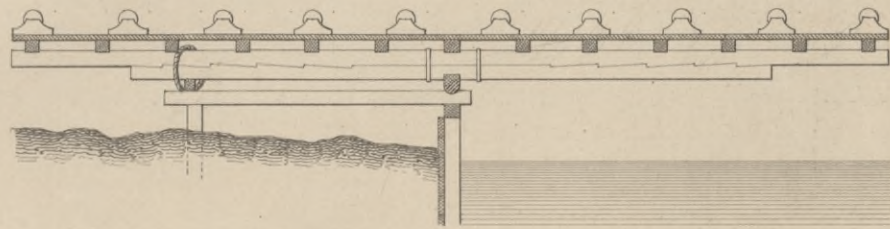


Fig. 184. b.

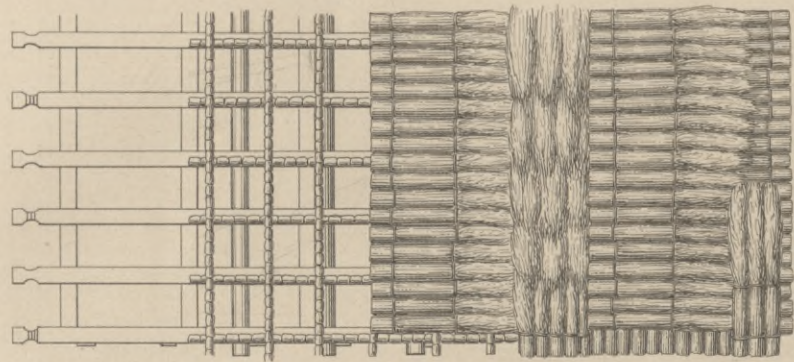
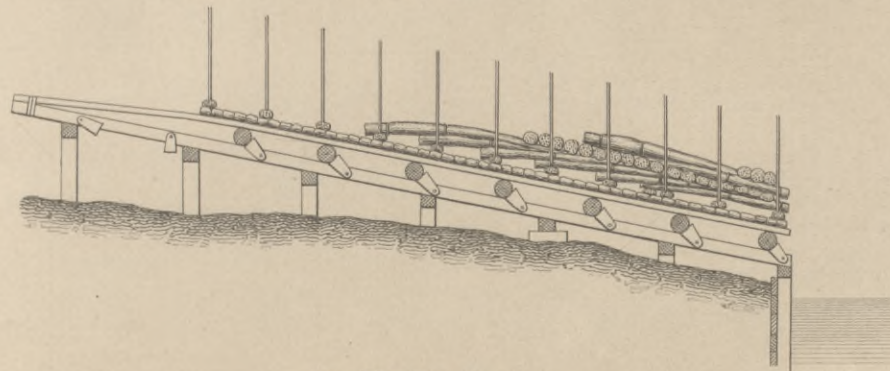


Fig. 184. a.



zu Fig. 182 u. 184.

Fig. 185. a.

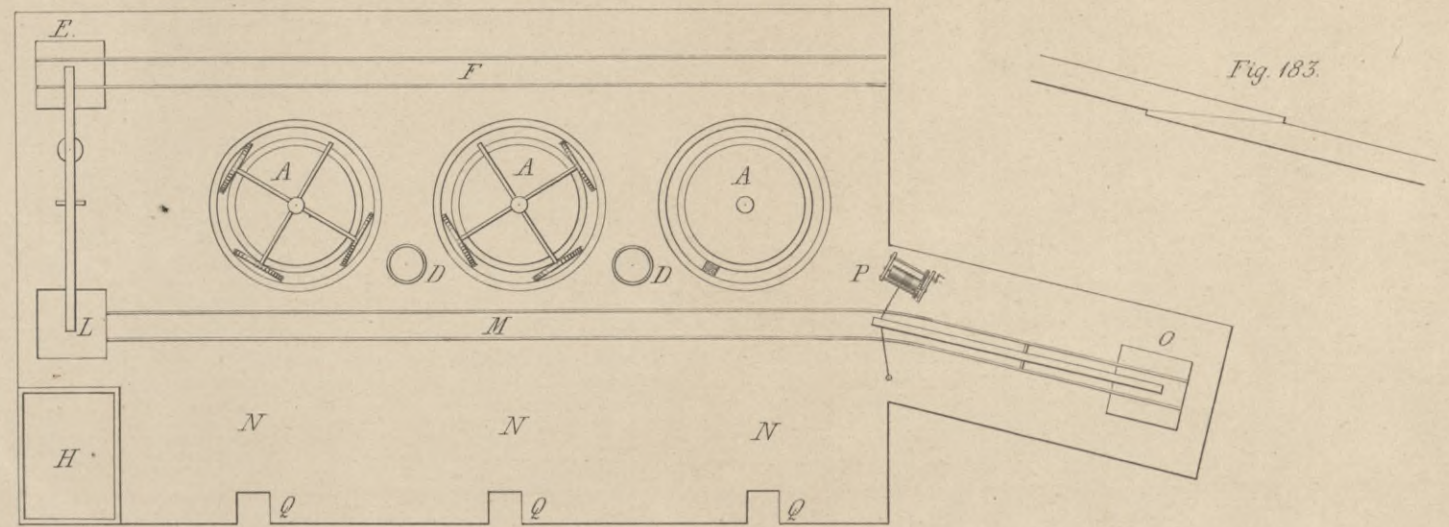


Fig. 183.

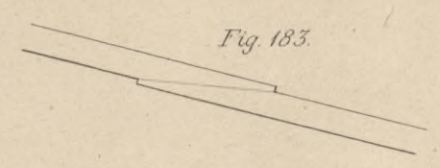
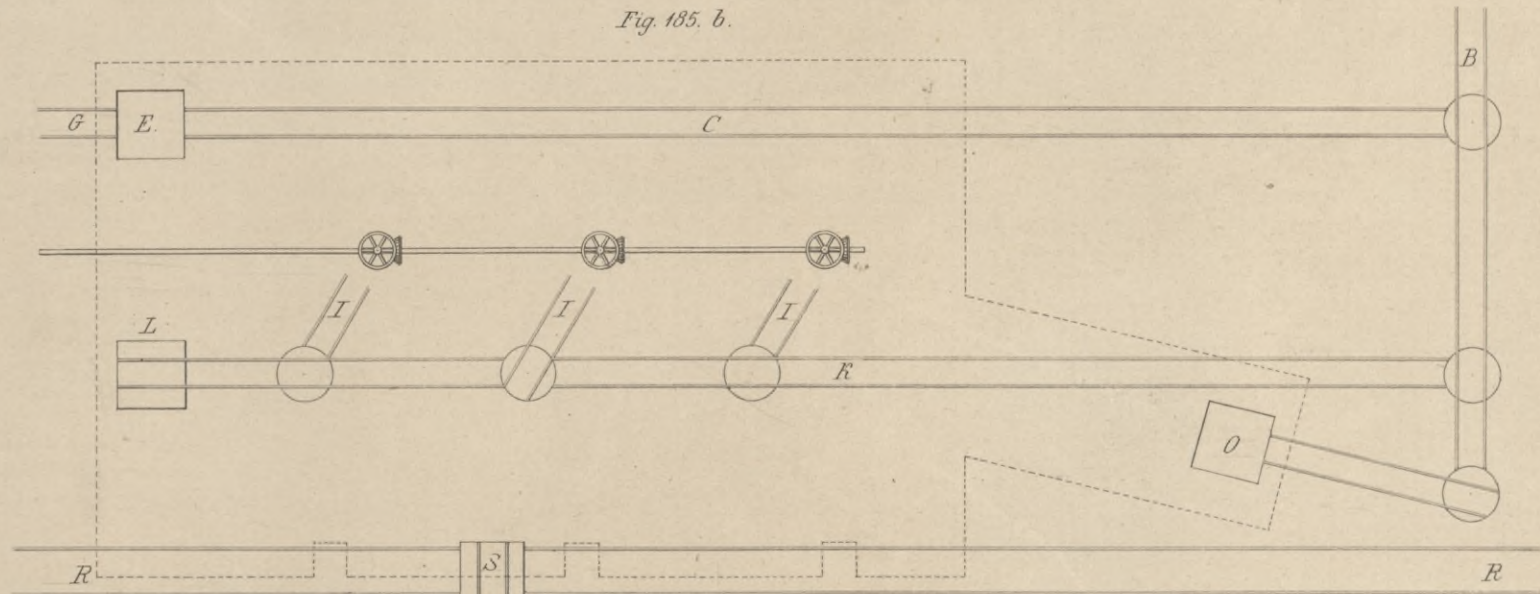


Fig. 185. b.



R

R

Fig. 187.



Fig. 181.

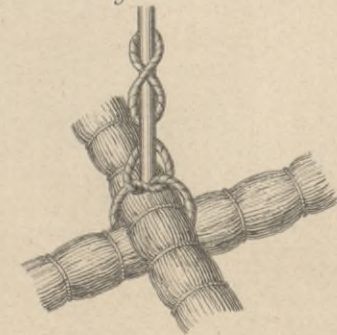
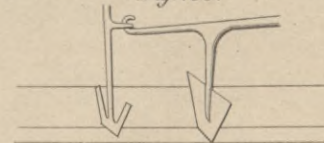


Fig. 186.



zu Fig. 185.

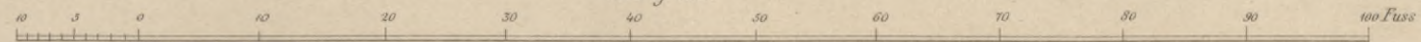
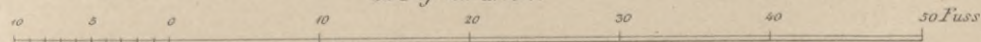
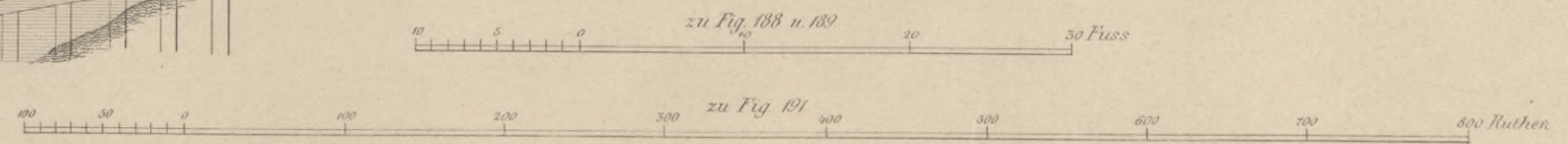
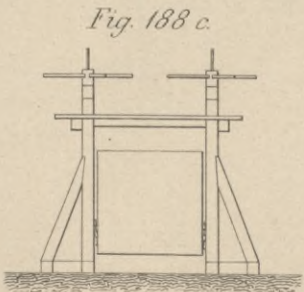
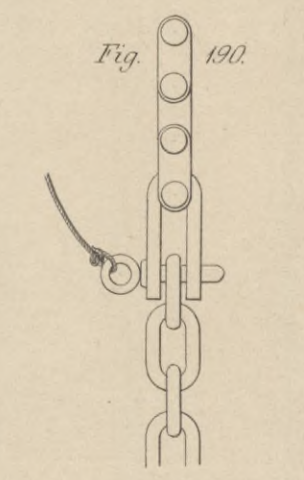
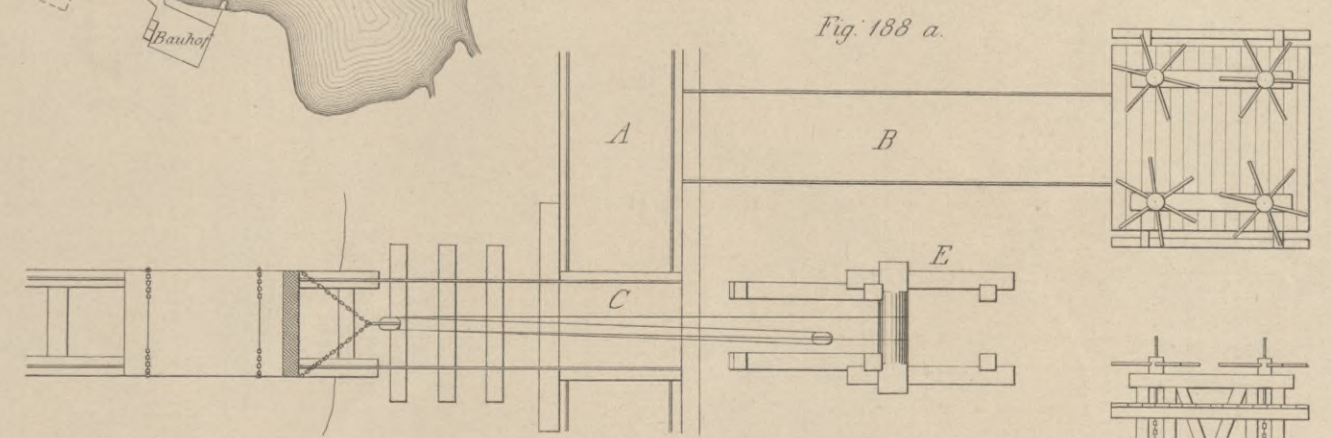
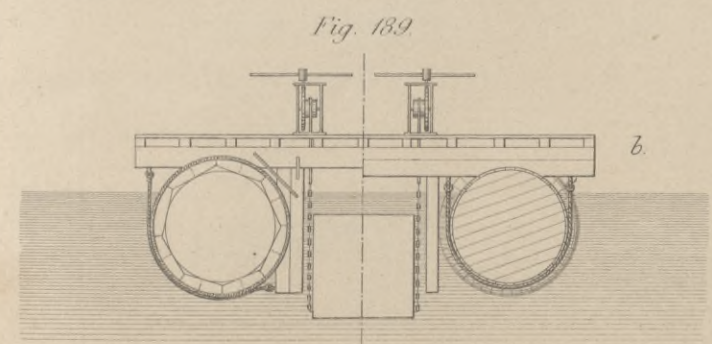
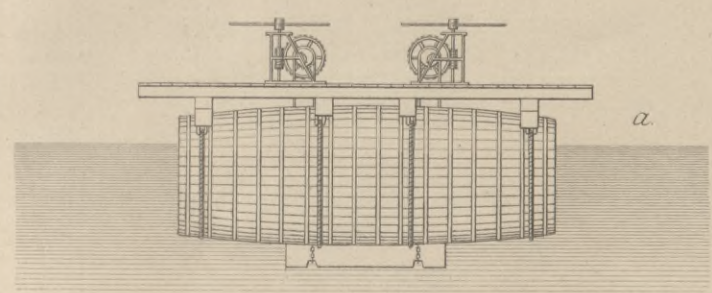
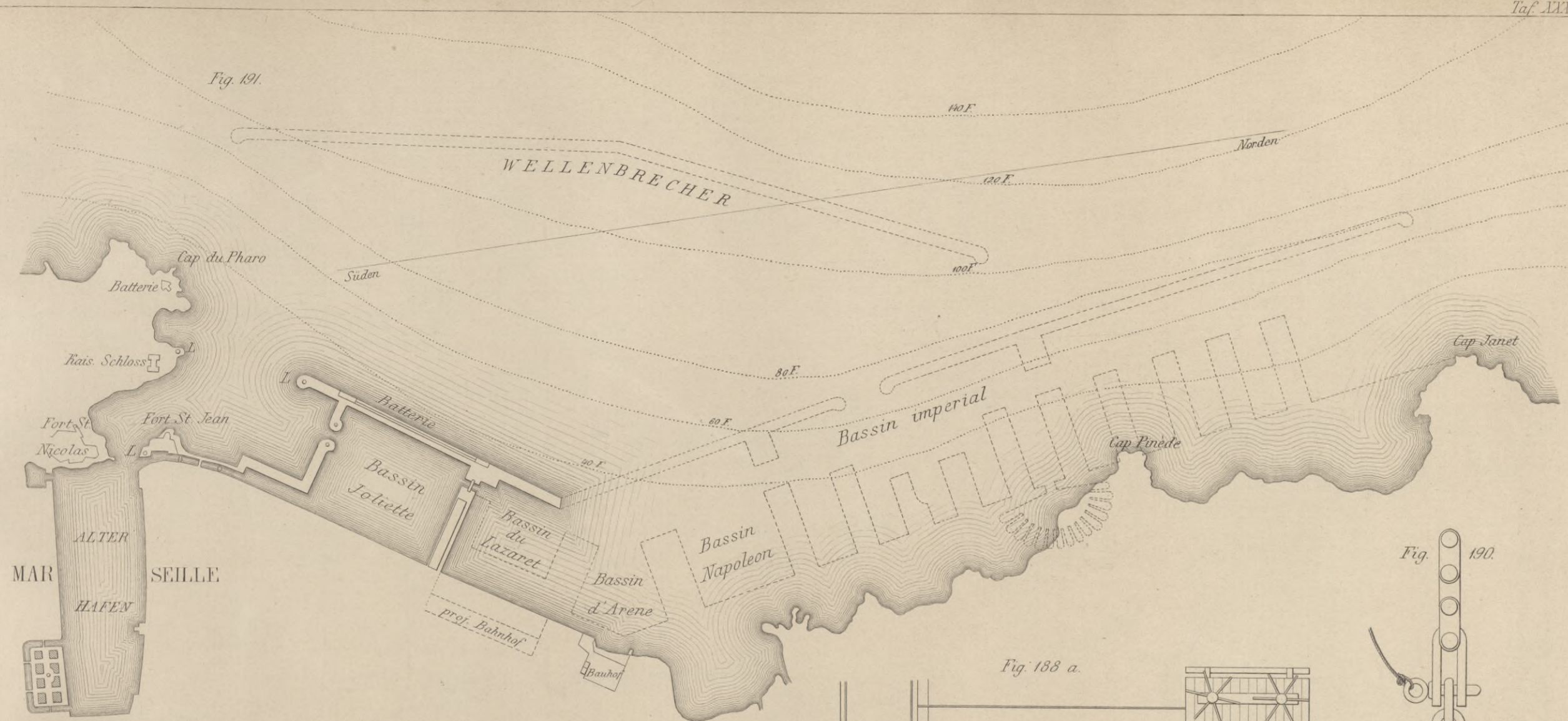


Fig. 191.



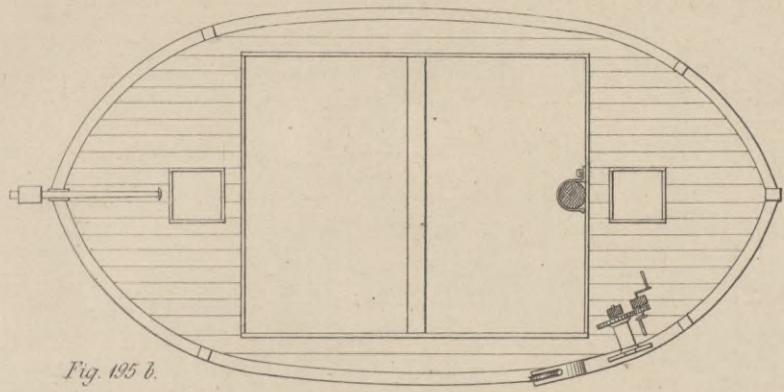
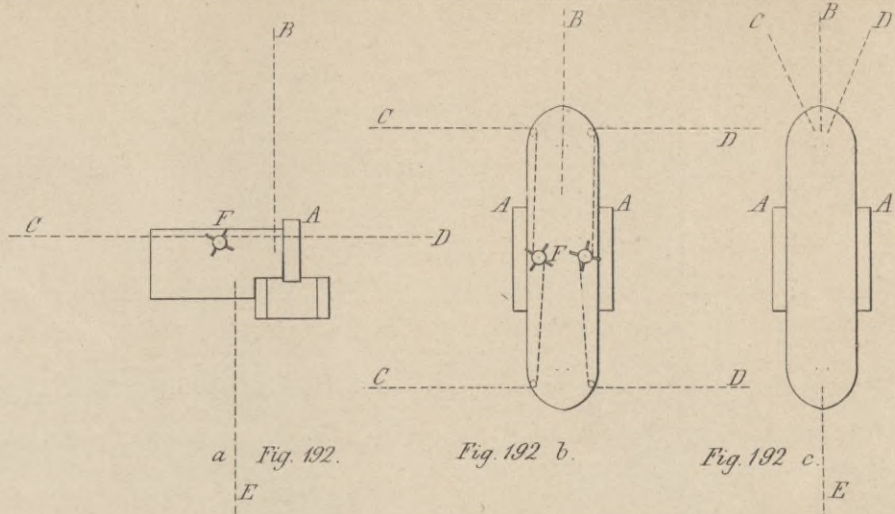


Fig. 195 b.



a Fig. 192.

Fig. 192 b.

Fig. 192 c.

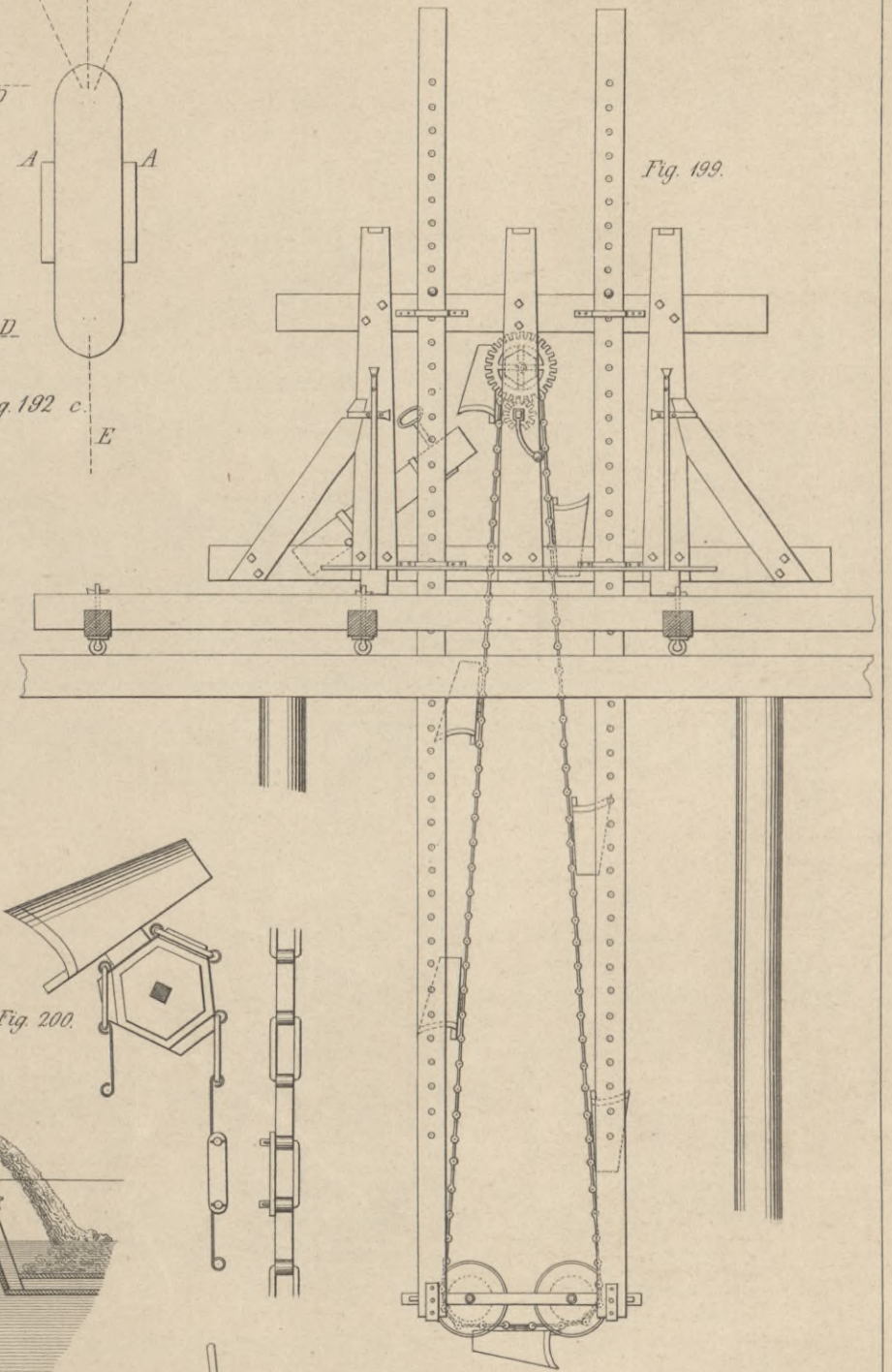


Fig. 199.

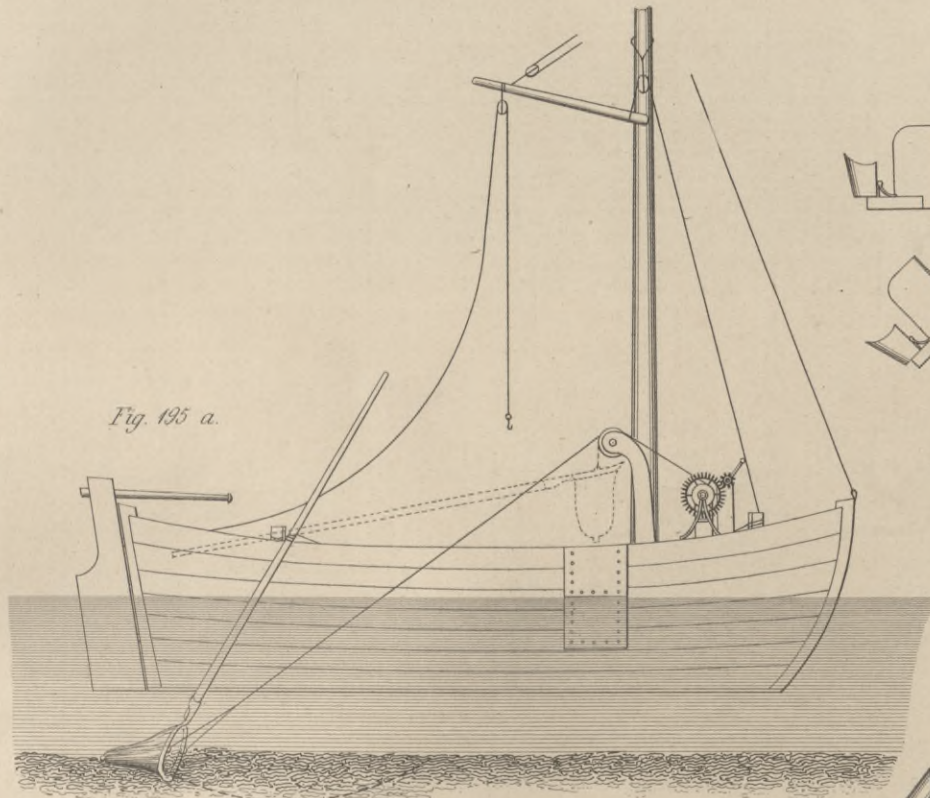


Fig. 195 a.

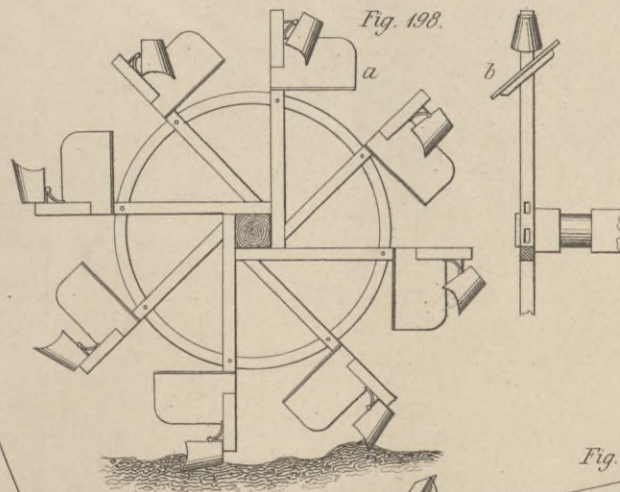


Fig. 198.

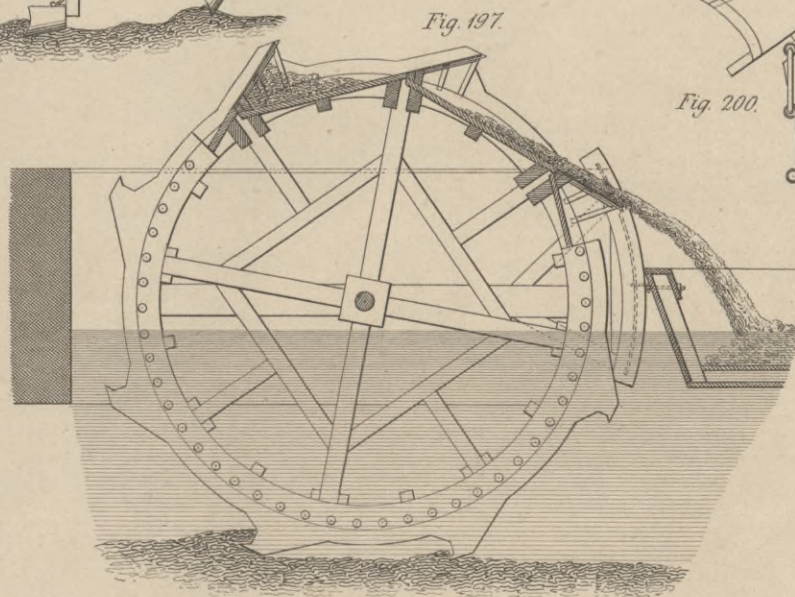


Fig. 197.

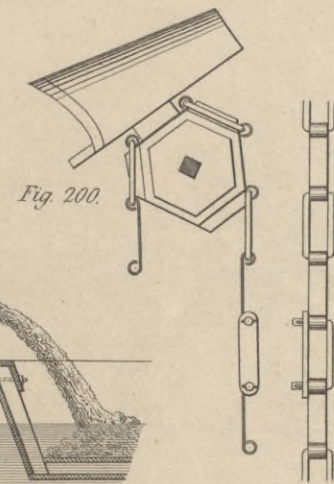


Fig. 200.

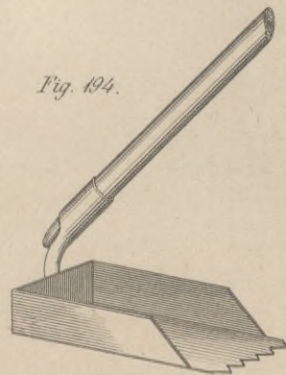


Fig. 194.

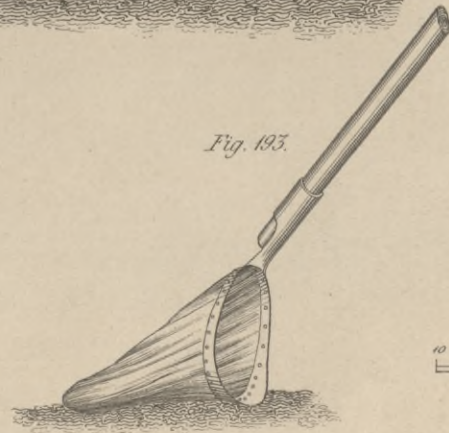
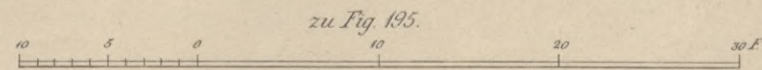
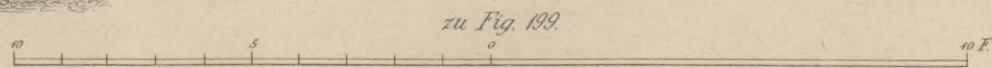


Fig. 193.



zu Fig. 195.



zu Fig. 199.

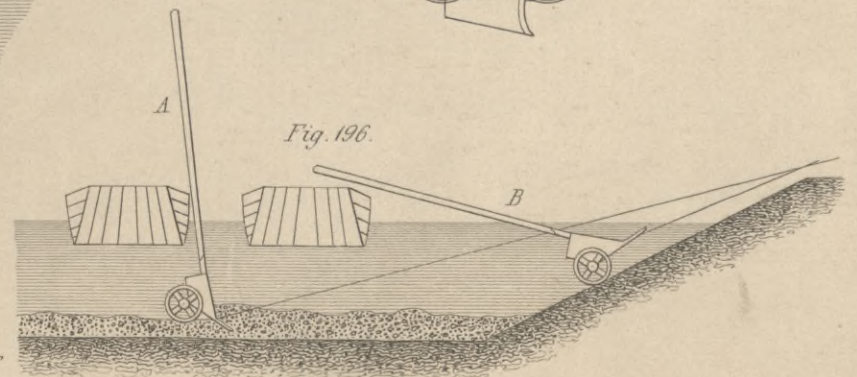


Fig. 196.

Fig. 203 a.

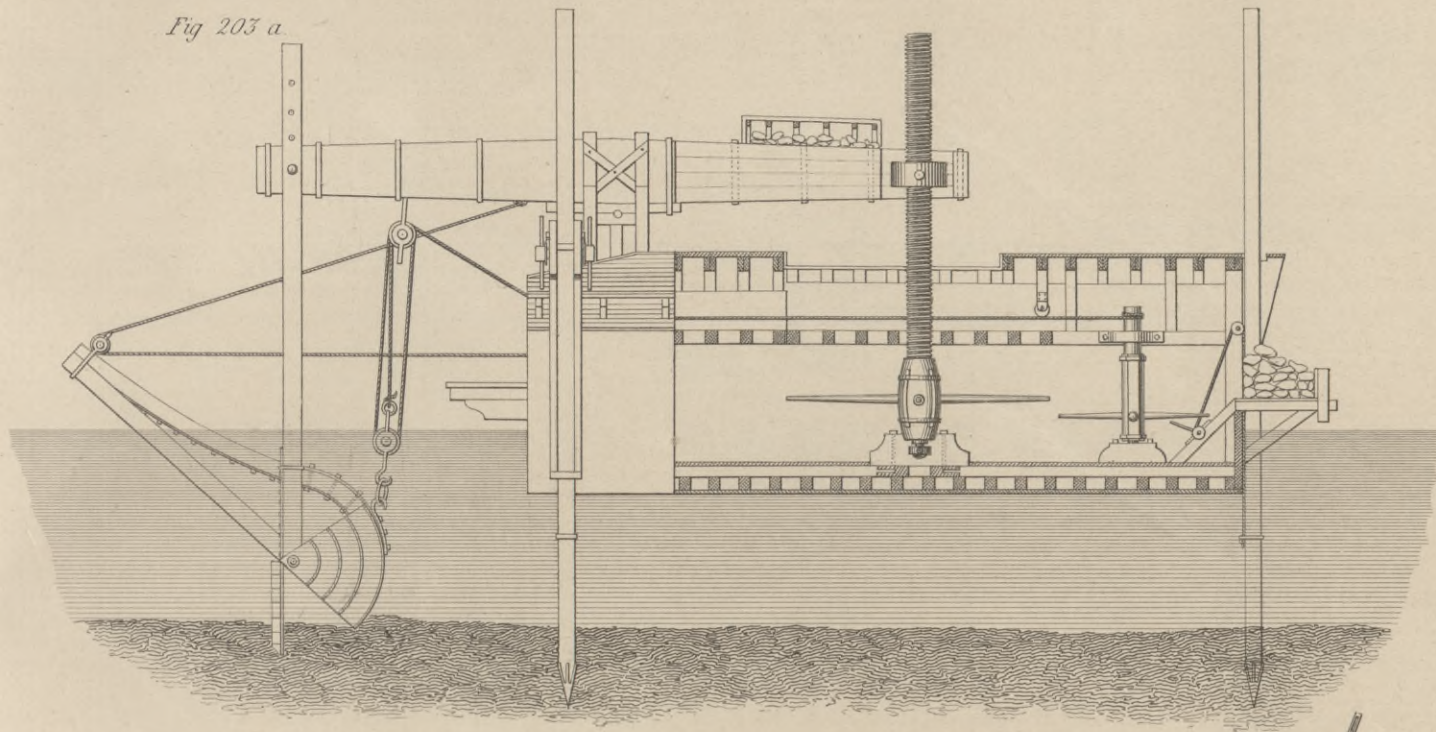


Fig. 201 a.

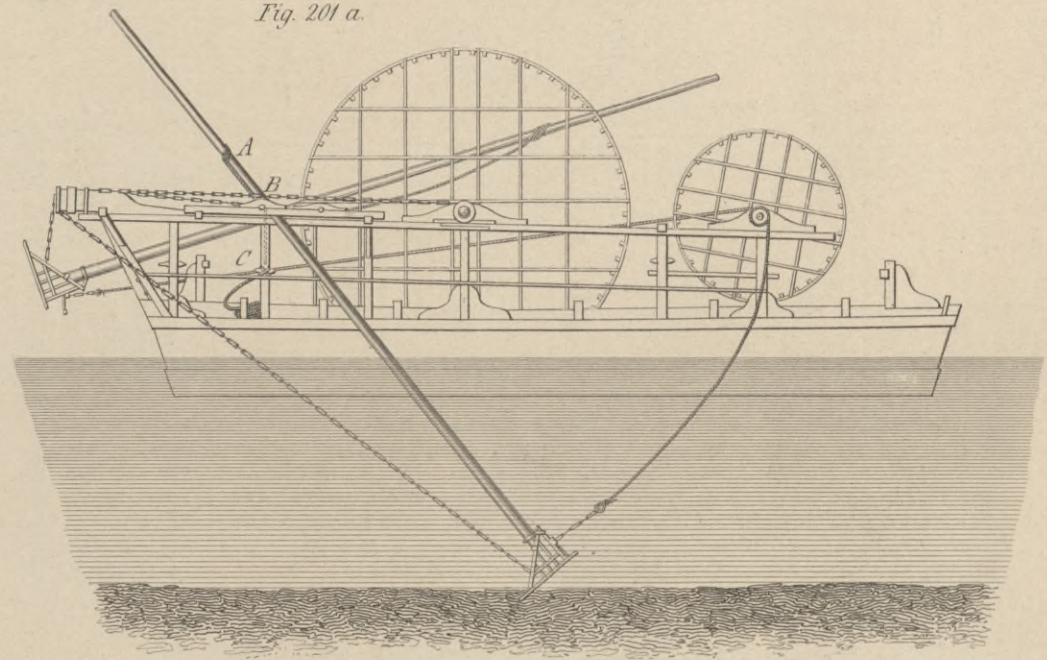


Fig. 204.

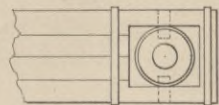


Fig. 203 b.

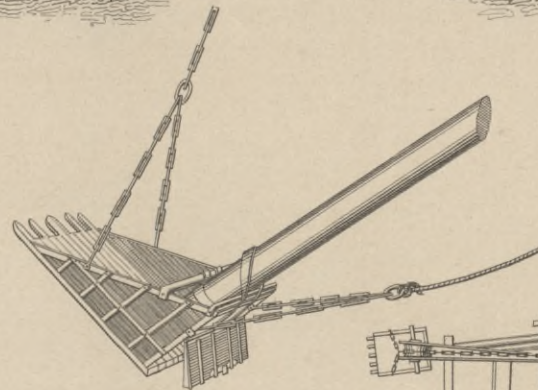
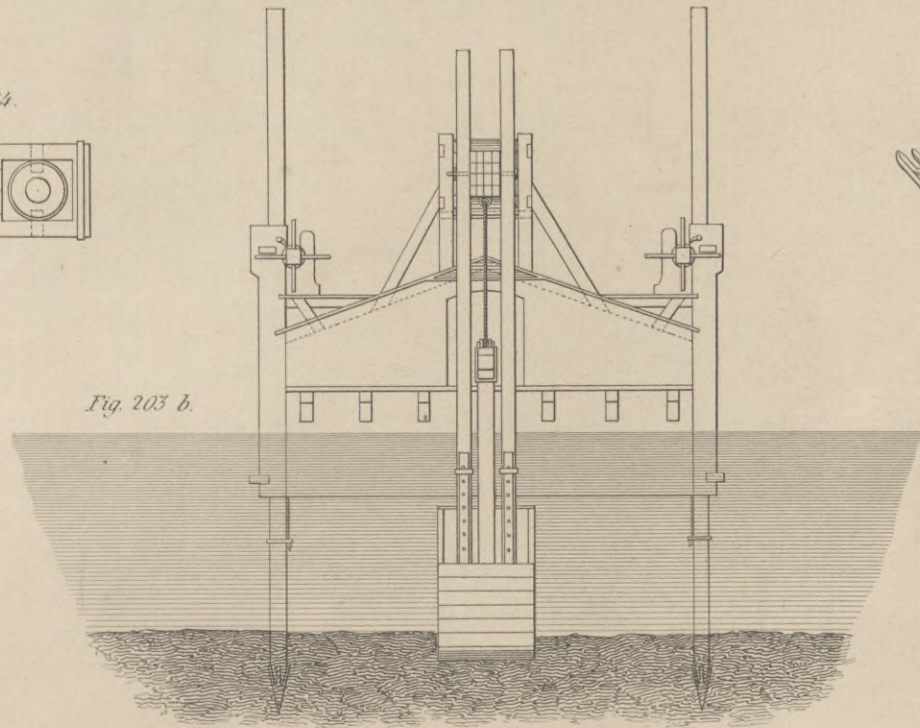
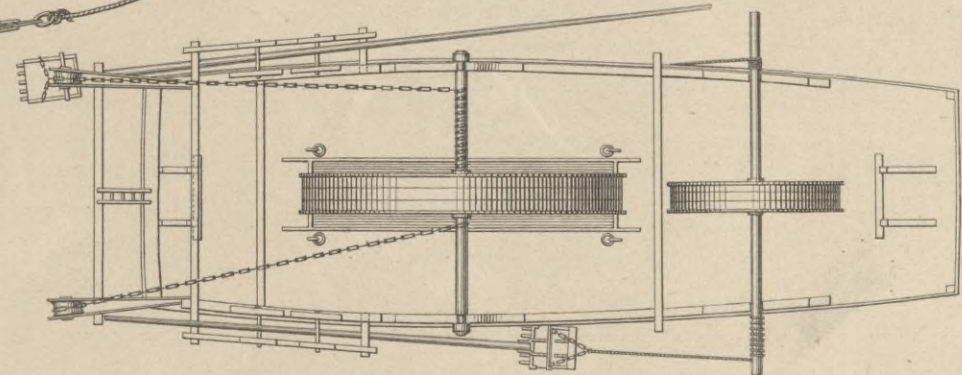


Fig. 202.

Fig. 201 b.



zu Fig. 201 und 203.
 10 5 0 10 20 30 40 Fuss

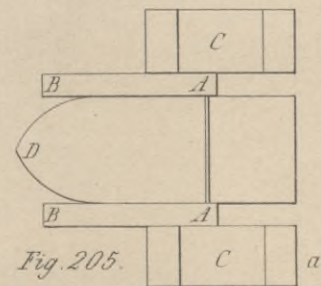


Fig. 205.

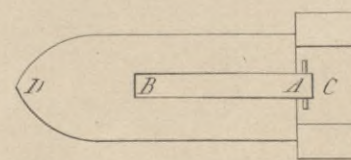


Fig. 205 b.

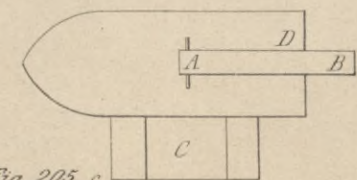
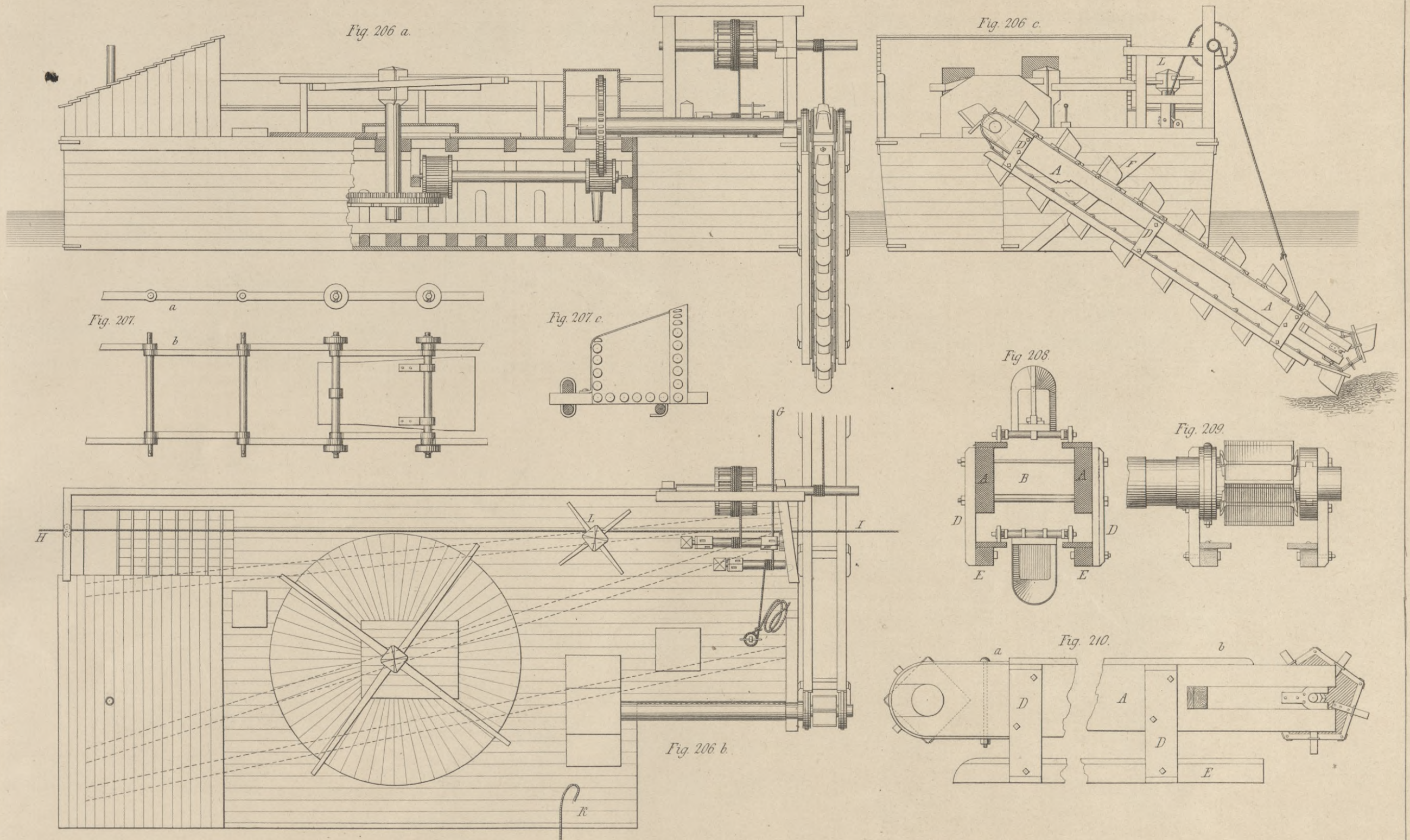


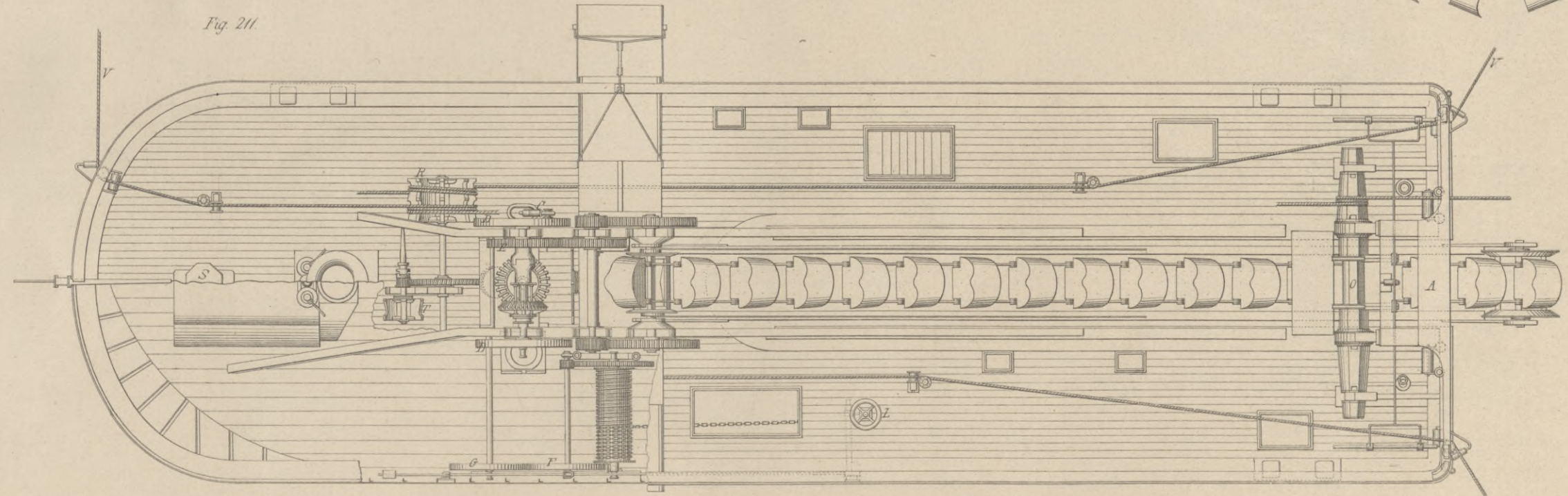
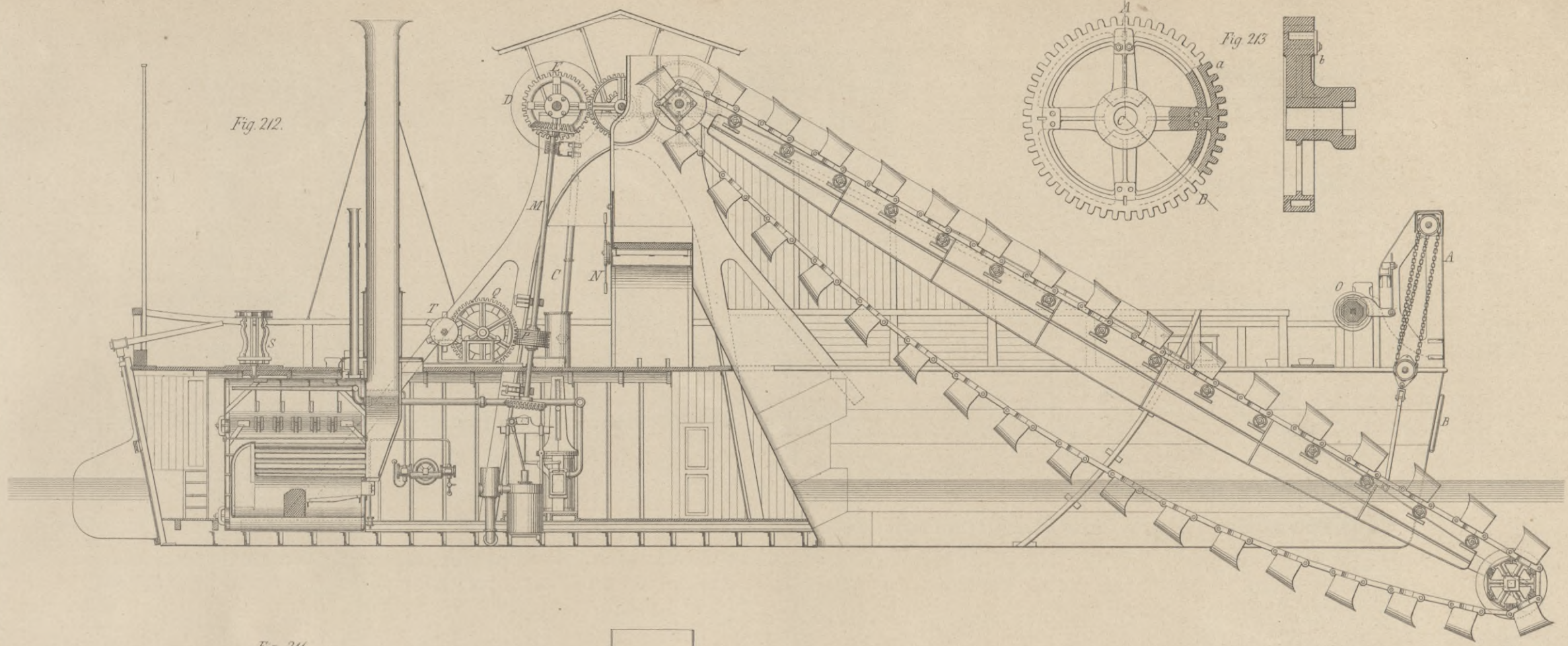
Fig. 205 c.



zu Fig. 207.
 0 1 2 3 4 5 Fuss

zu Fig. 208, 209 u. 210.
 0 1 2 3 4 5 6 7 8 Fuss

zu Fig. 206.
 0 10 20 30 40 Fuss



zu Fig. 211 u. 212
 10 9 8 7 6 5 4 3 2 1 0 20 30 Fuss

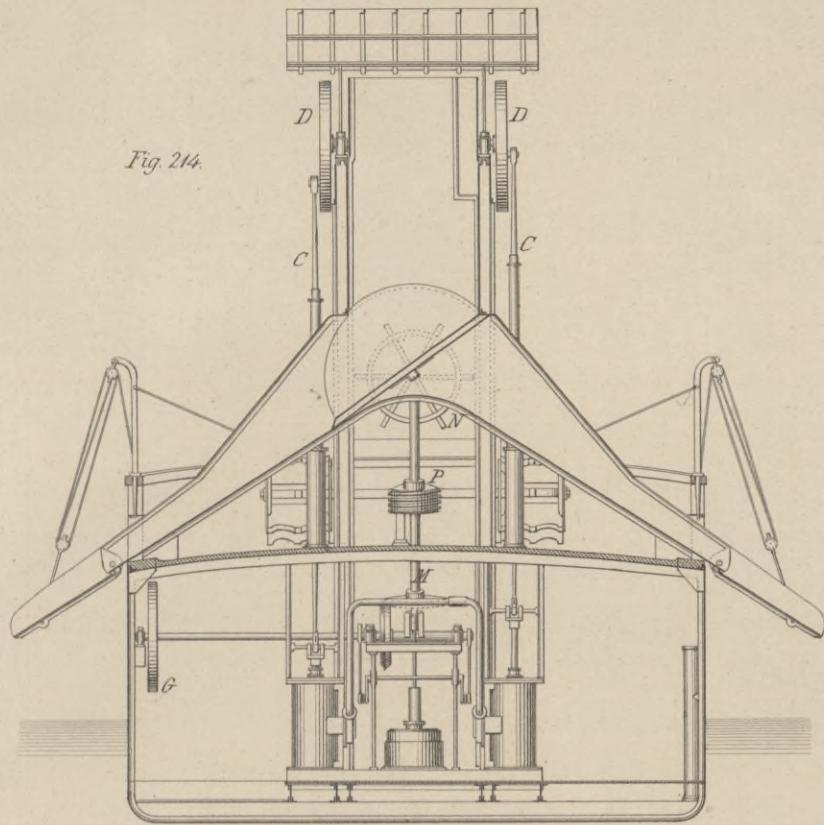


Fig. 214.

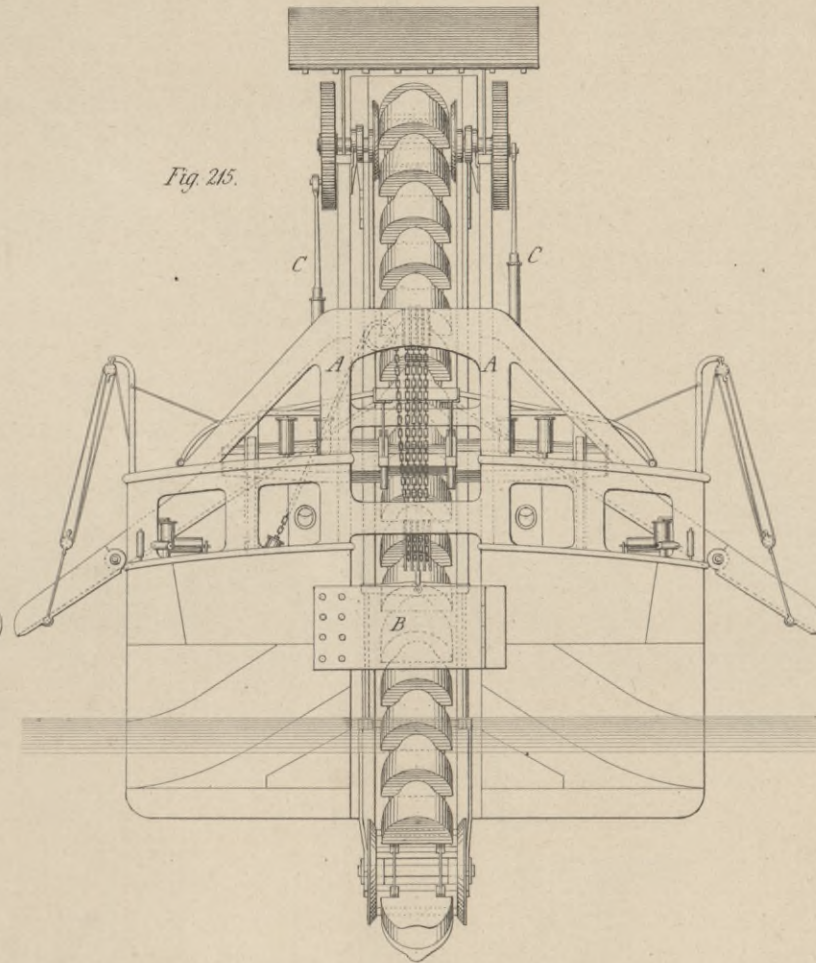


Fig. 215.

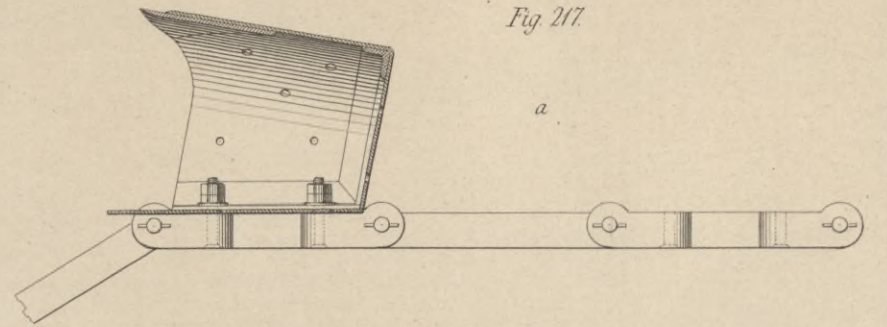


Fig. 217.

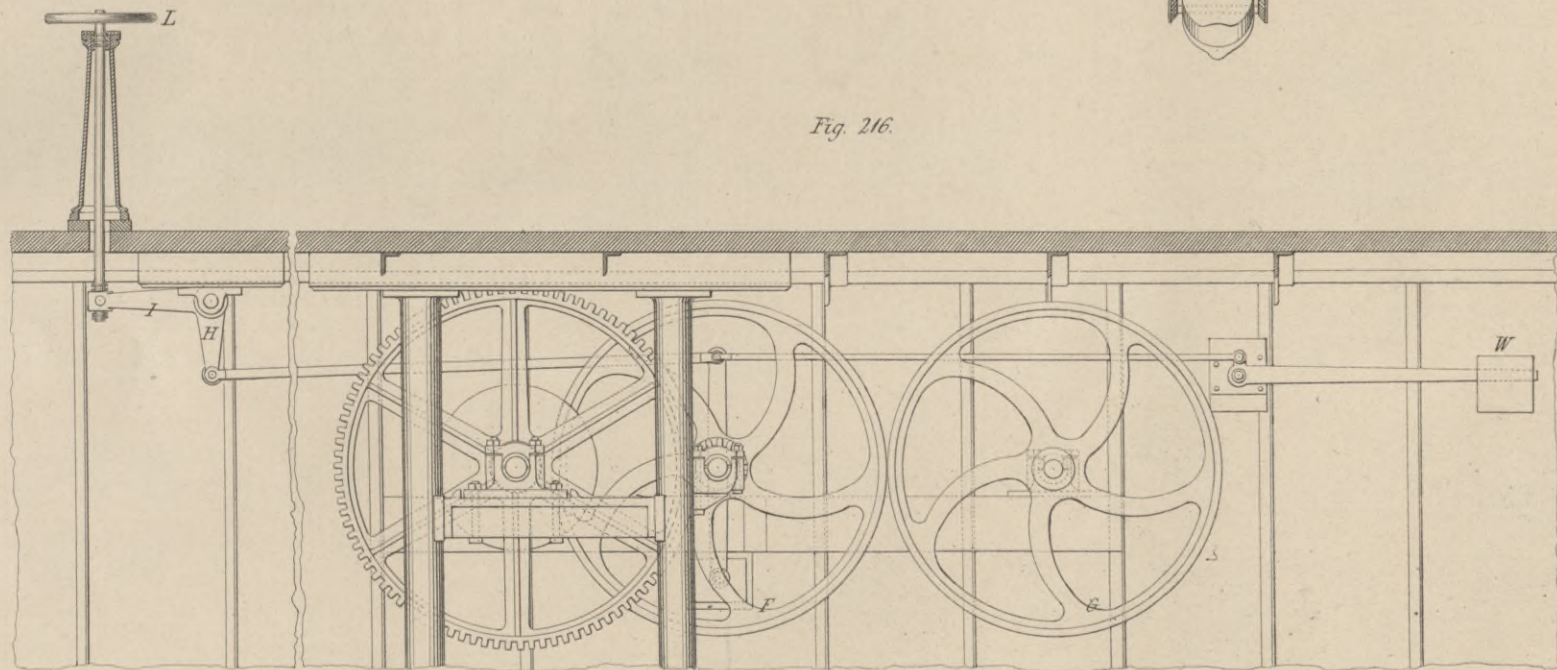
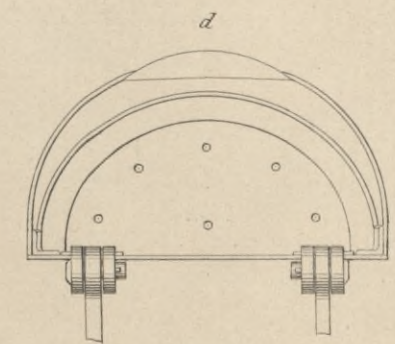
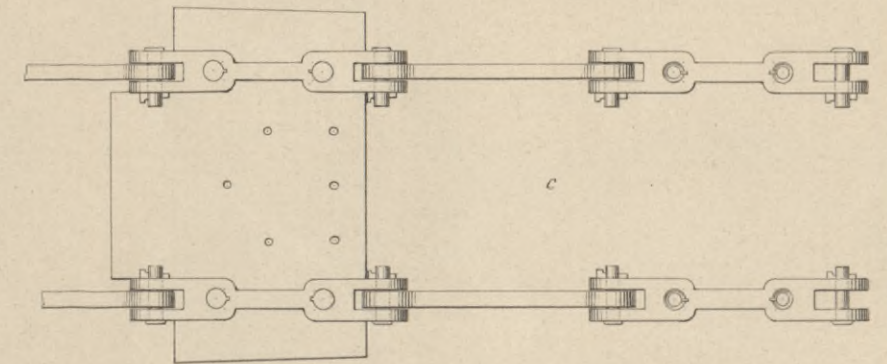
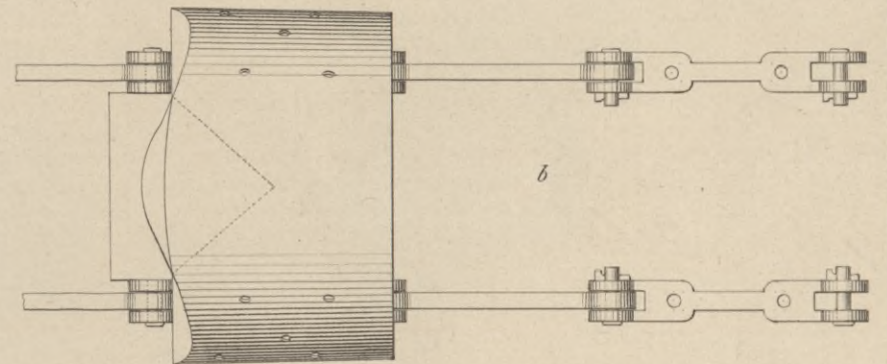


Fig. 216.

zu Fig. 214 u. 215. 10 9 8 7 6 5 4 3 2 1 0 20 Fuss

zu Fig. 216. 12 9 6 3 0 1 2 3 4 5 6 7 8 Fuss

zu Fig. 217. 12 10 8 6 4 2 0 1 2 3 4 5 Fuss

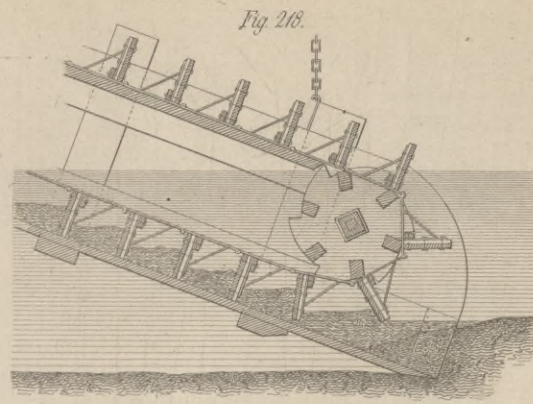


Fig. 218.

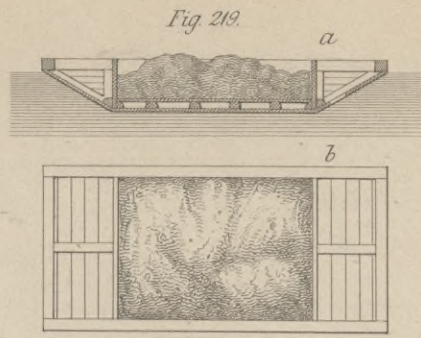


Fig. 219.

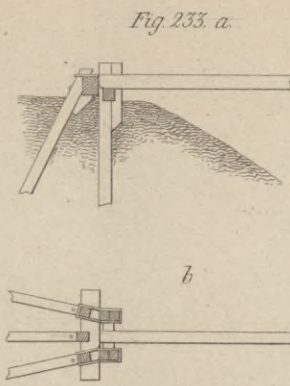


Fig. 233. a.

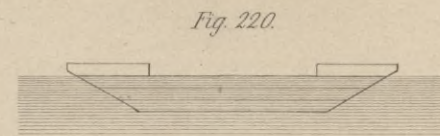


Fig. 220.

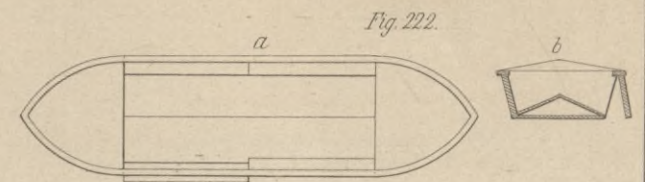


Fig. 222.

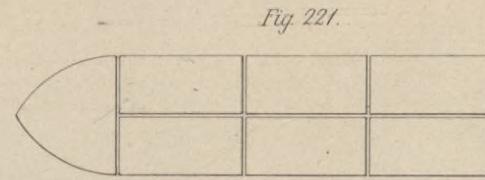


Fig. 221.

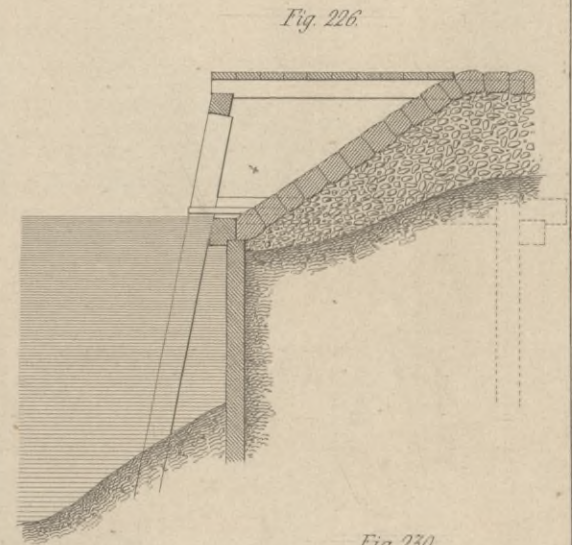


Fig. 226.

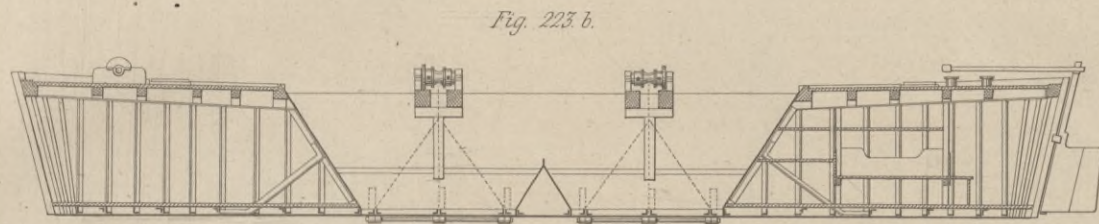


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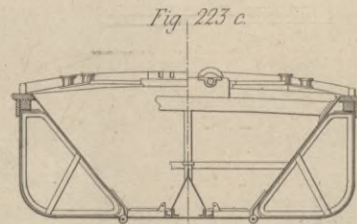


Fig. 223. c.

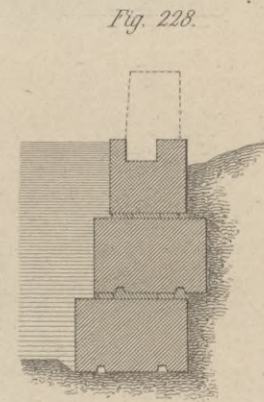
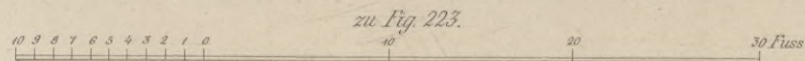


Fig. 228.



zu Fig. 223.

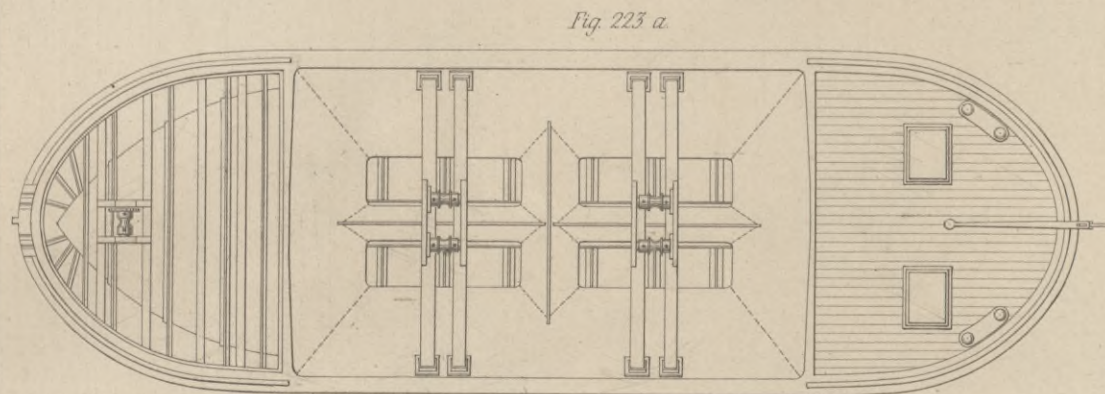


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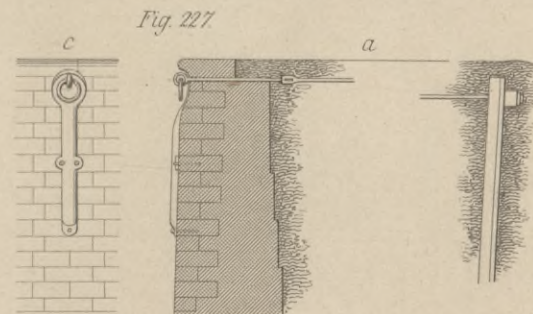


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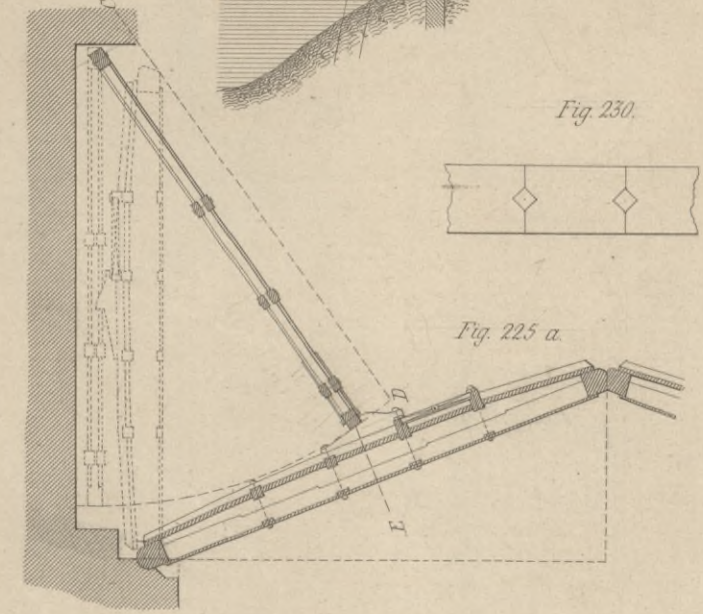


Fig. 225. a.



Fig. 229.

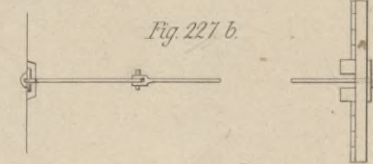


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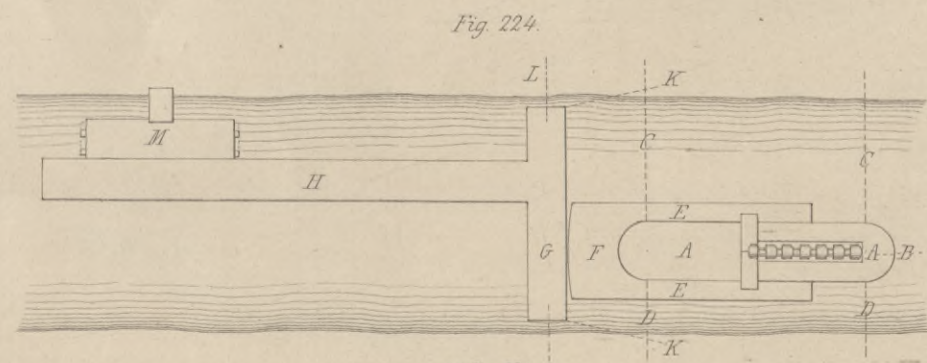
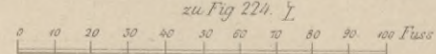


Fig. 224.



zu Fig. 224.

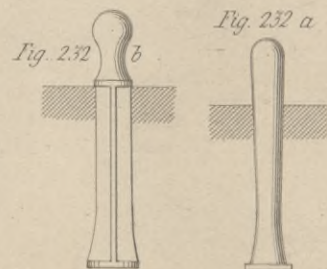


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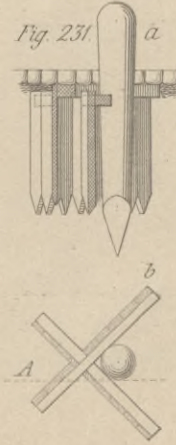


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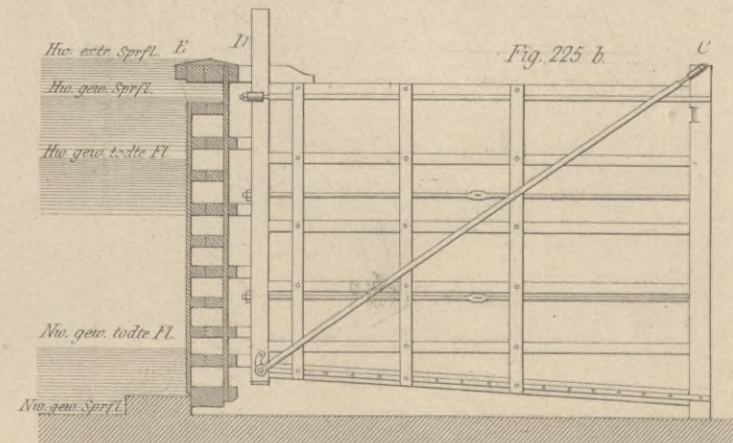
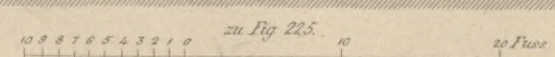


Fig. 225. b.



zu Fig. 225.

Fig 234.



Fig 235.

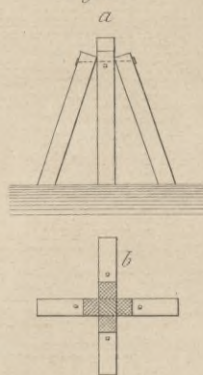


Fig 237.



Fig 239.

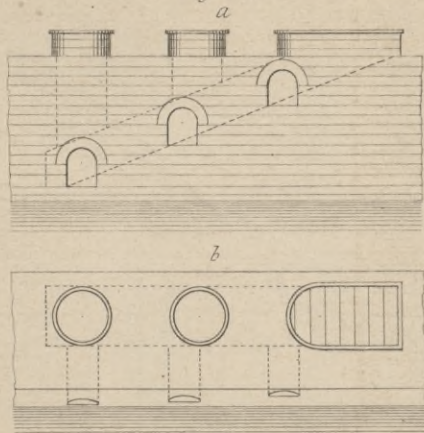


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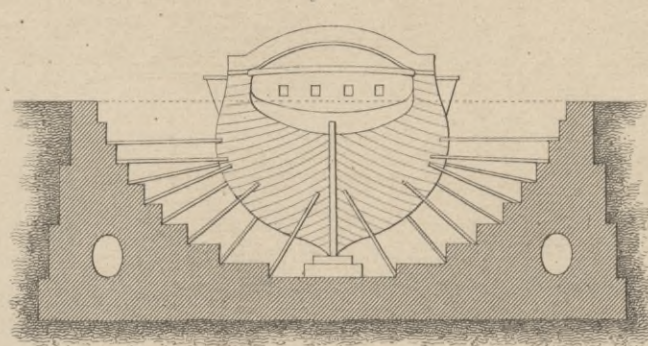


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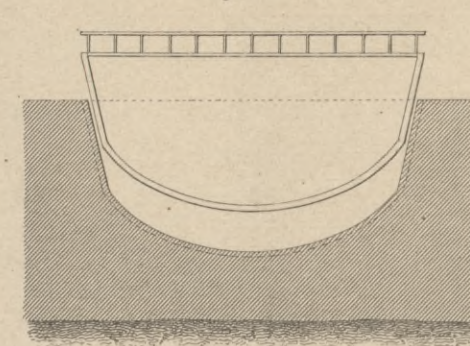


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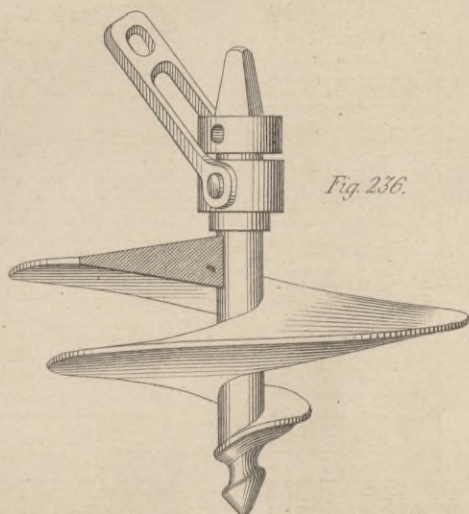


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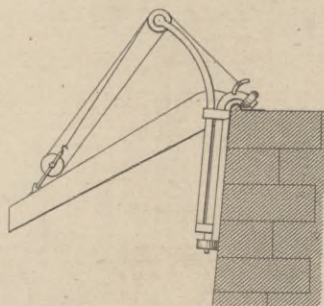
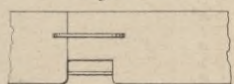


Fig 238 a.



b.

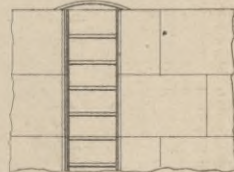


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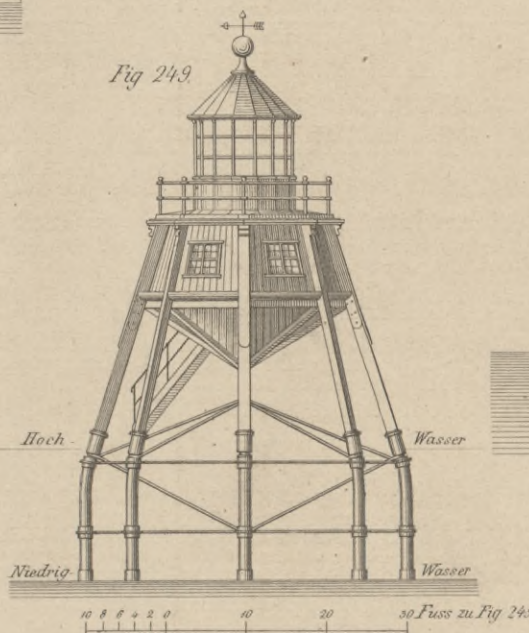


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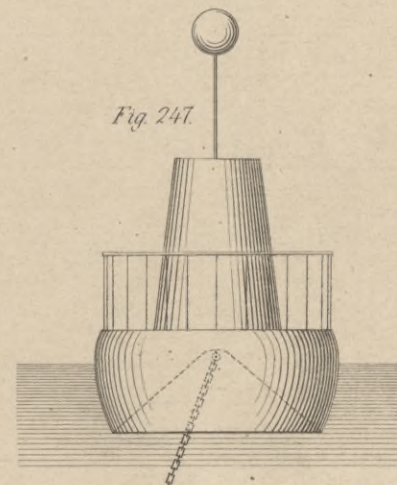


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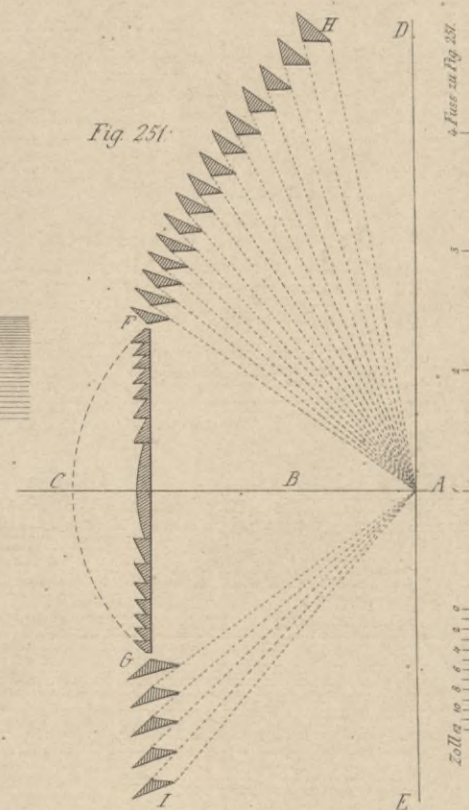


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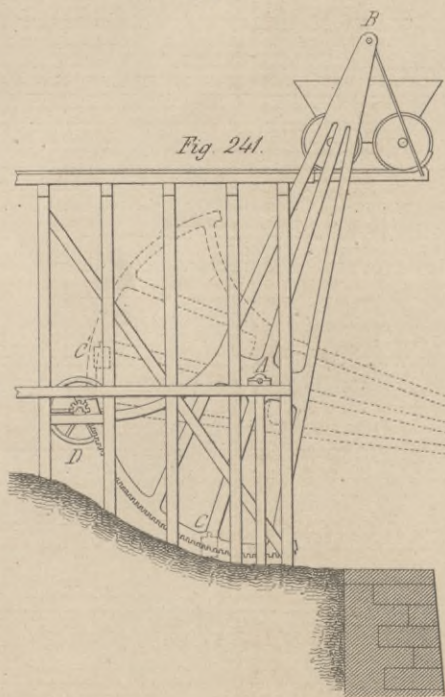


Fig 235 c.

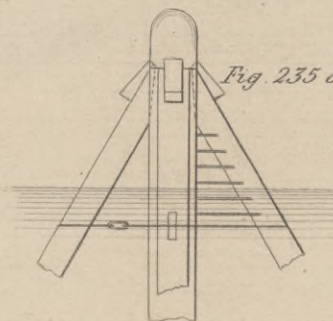


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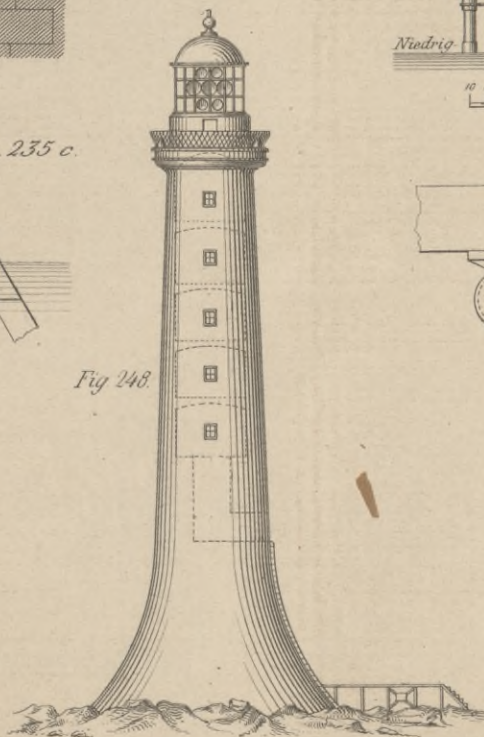


Fig 246.



Fig 244.

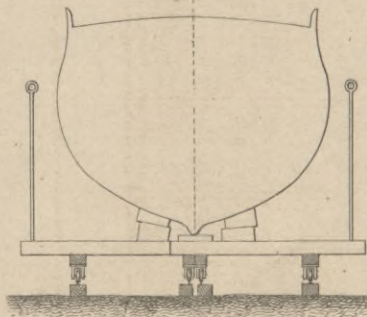


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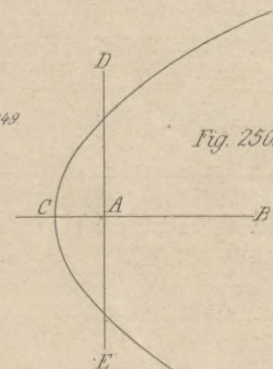
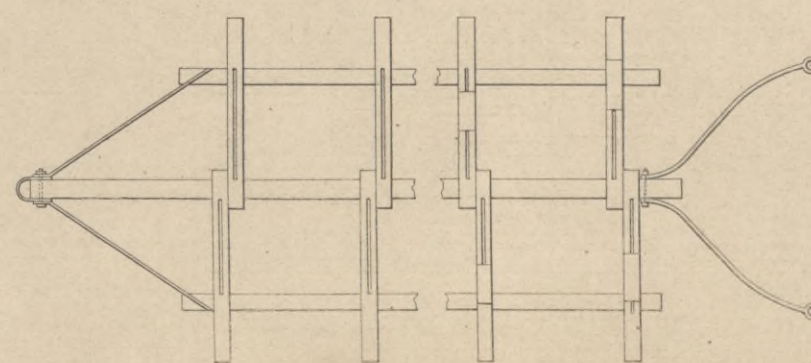


Fig 245.



zu Fig 241. 20 Fuss

zu Fig 248. 40 Fuss

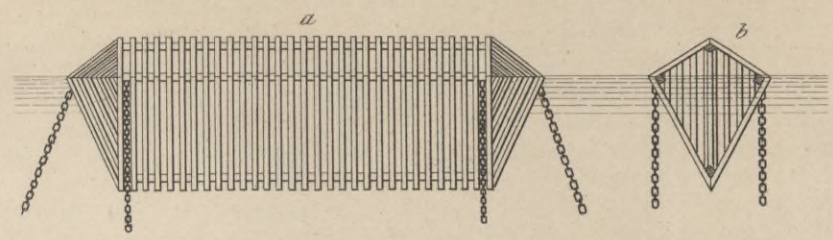


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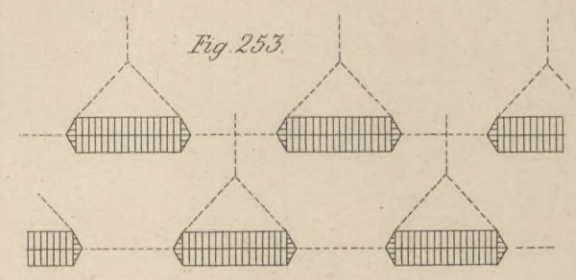
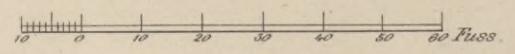
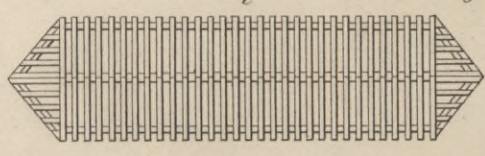


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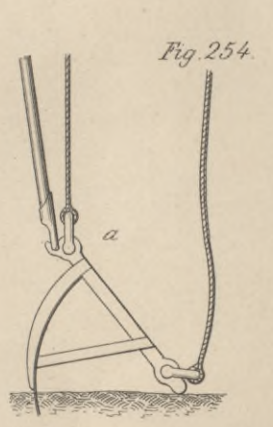


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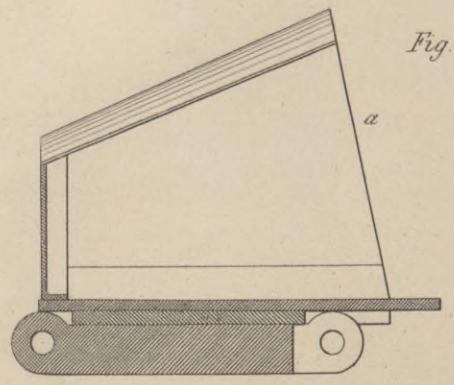
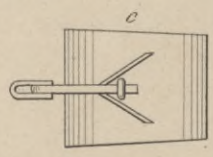


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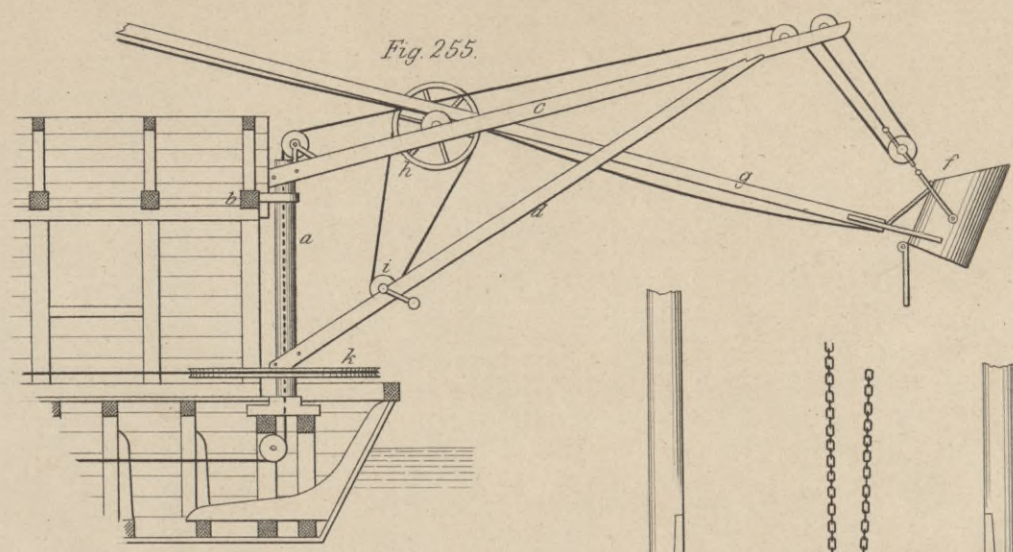
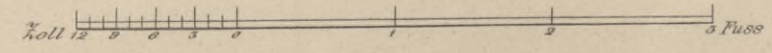
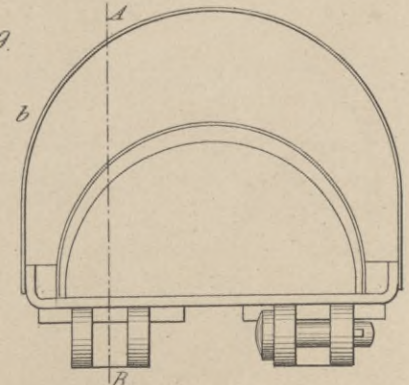


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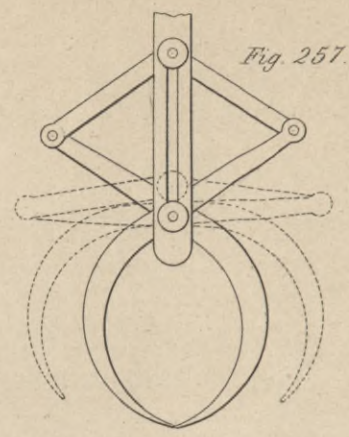


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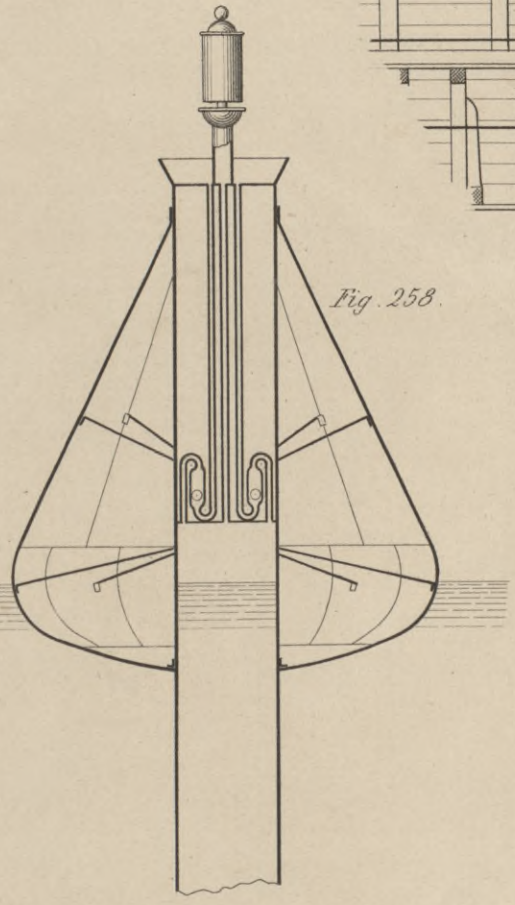


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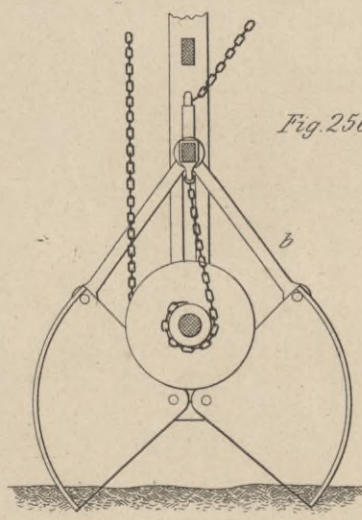


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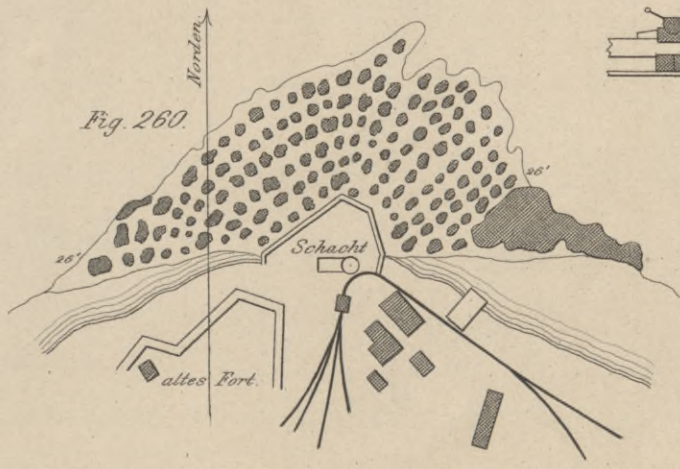
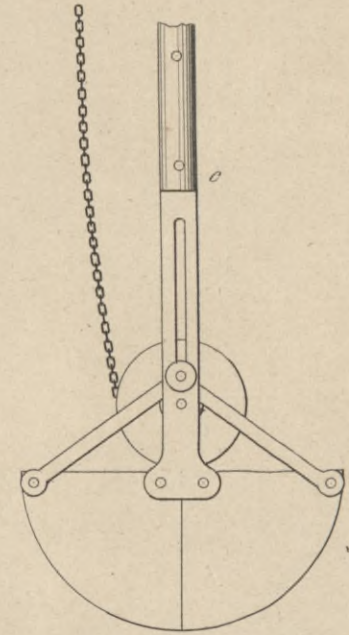
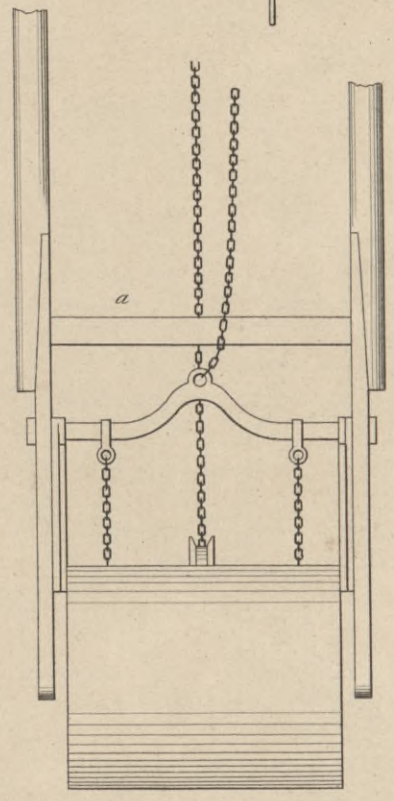


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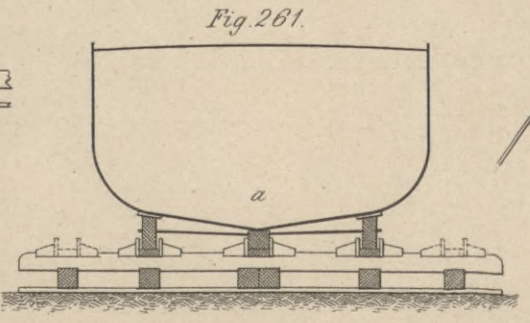
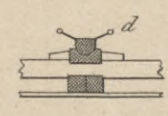
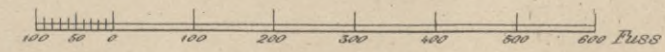


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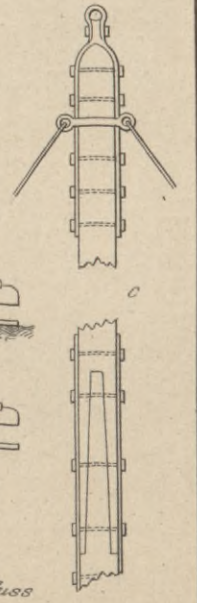
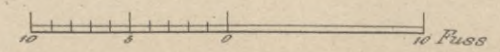
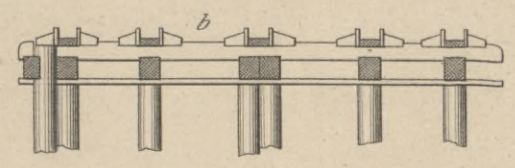


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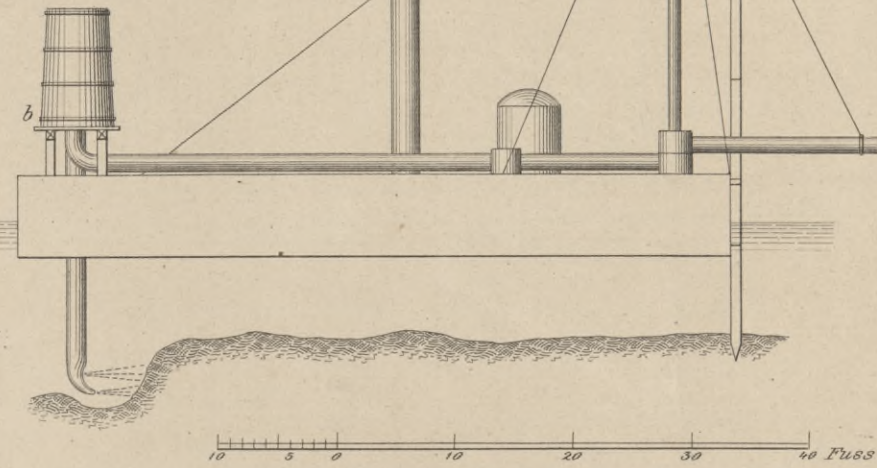
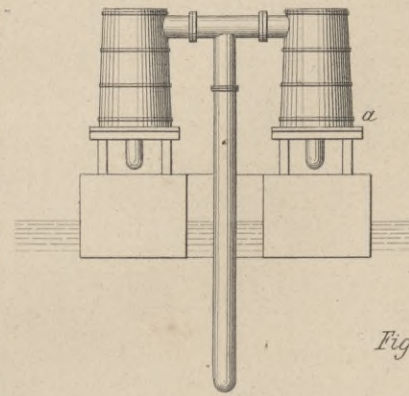
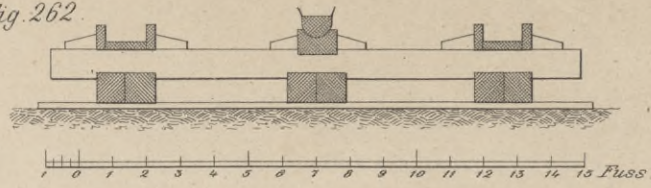


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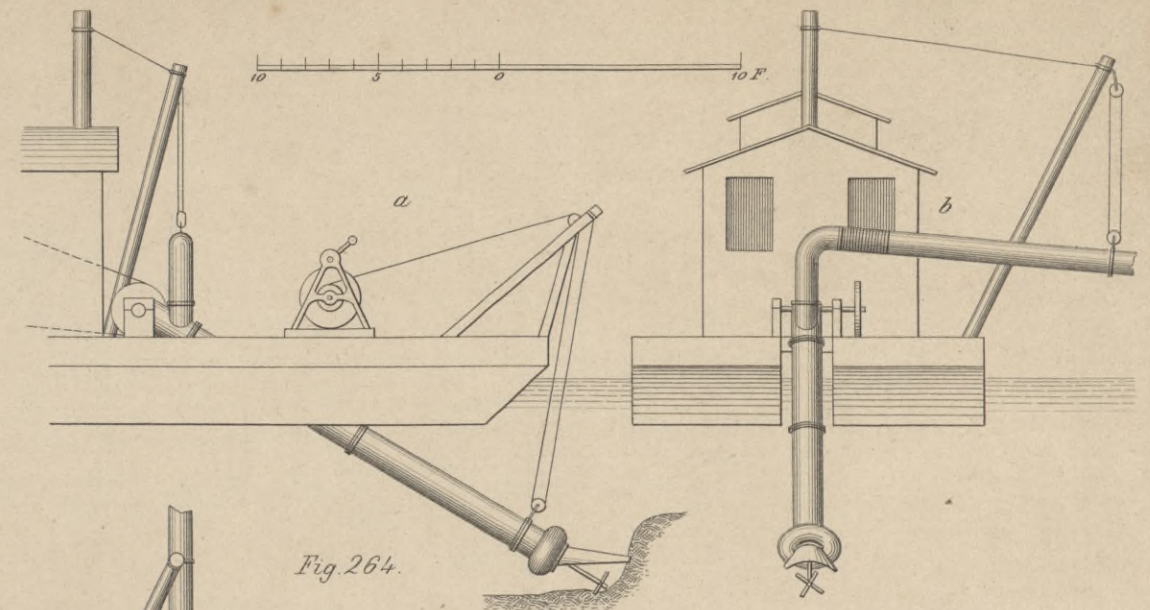


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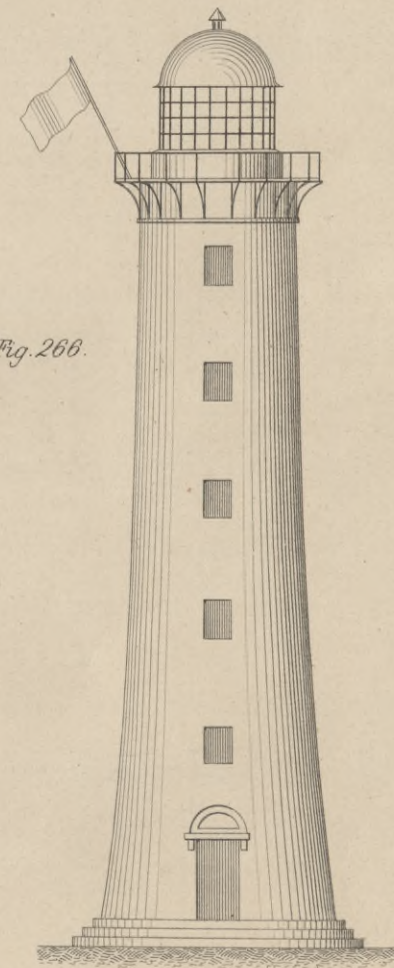


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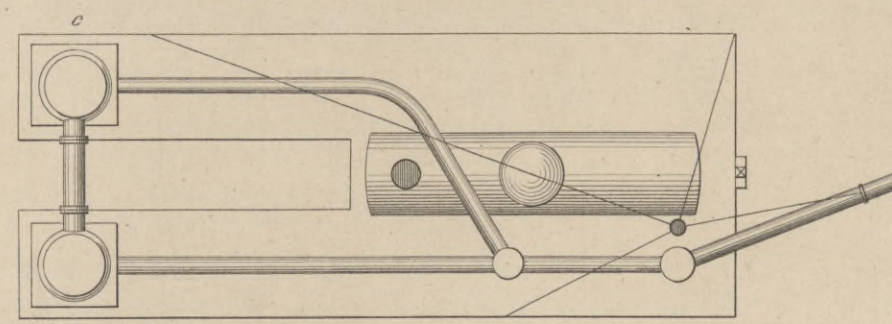
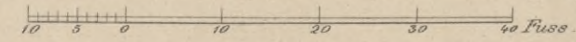


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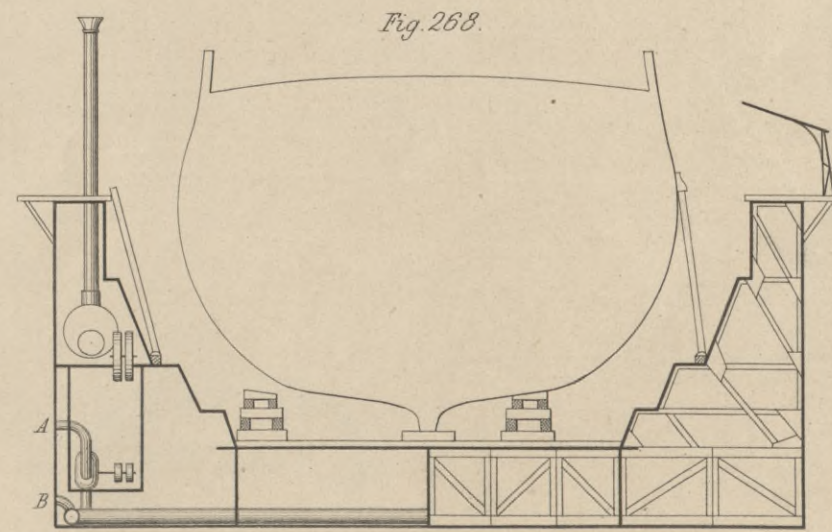
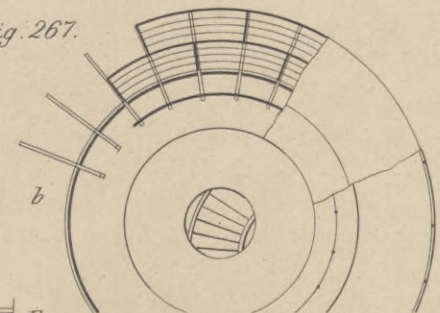


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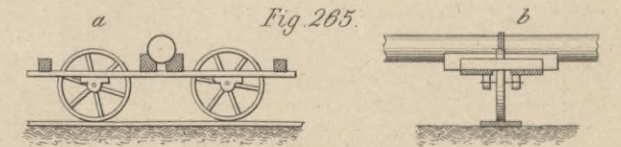


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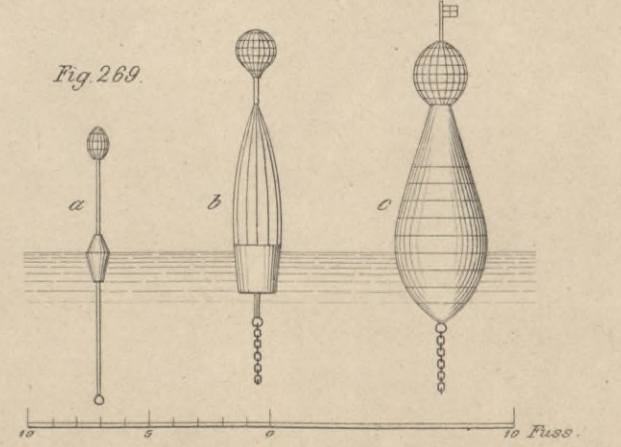


Fig. 269.



S. 61

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