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А. Брандтъ,

Профессоръ Института инженеровъ путей сообщенія.

Аванс
книжн.
Дата 2007

Институтъ
4-й этаж

КУРСЪ

ПАРОВЫХЪ МАШИНЪ.

091049

ЛЕКЦІИ,

читанныя въ Институтѣ инженеровъ путей сообщенія

Императора Александра I.

Выпускъ I. — Паровые котлы.

4563

Атласъ изъ 12 листовъ чертежей.

С.-ПЕТЕРБУРГЪ.

Типографія Ю. Н. Эрлихъ, Садовая, № 9.

1904.

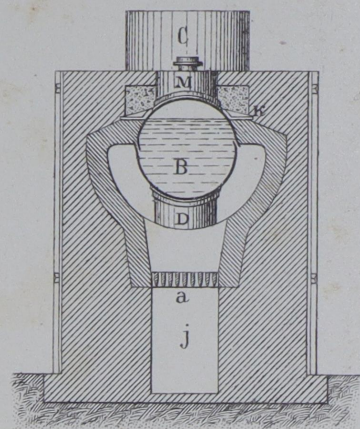
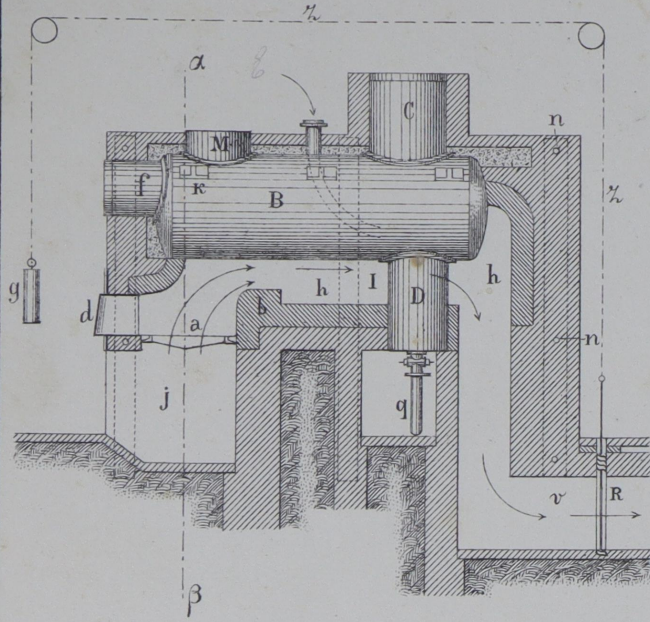
скам

1975

Черт 1 а.

Черт. 1 б.

Разрѣзь по $\alpha\beta$



Черт. 7.

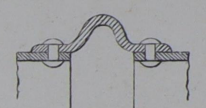
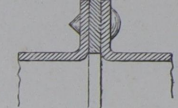
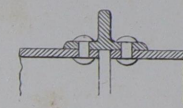
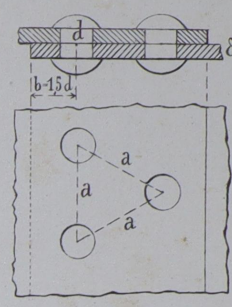
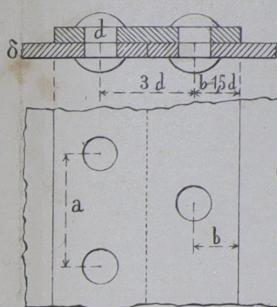
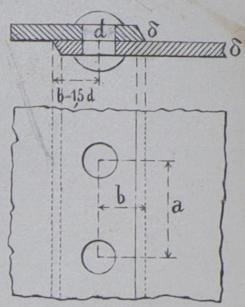
Черт. 8.

Черт. 9.

Черт. 10.

Черт. 11.

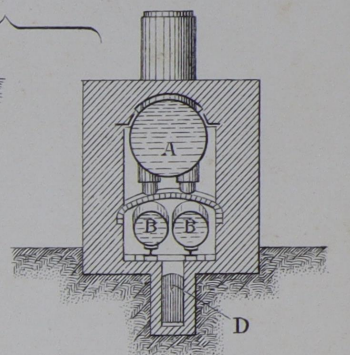
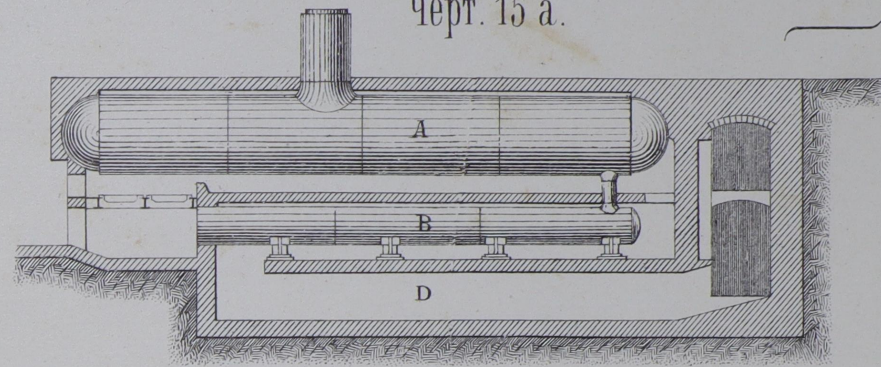
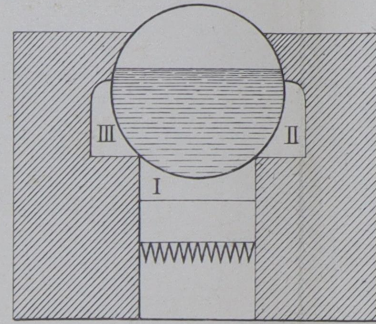
Черт. 12.



Черт. 13.

Черт. 15 а.

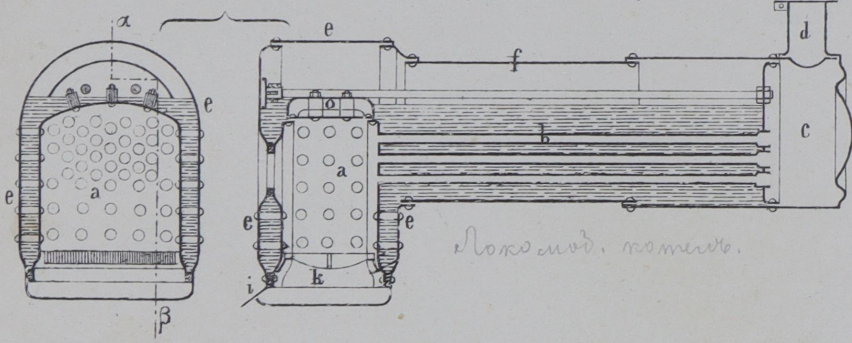
Черт. 15 б.



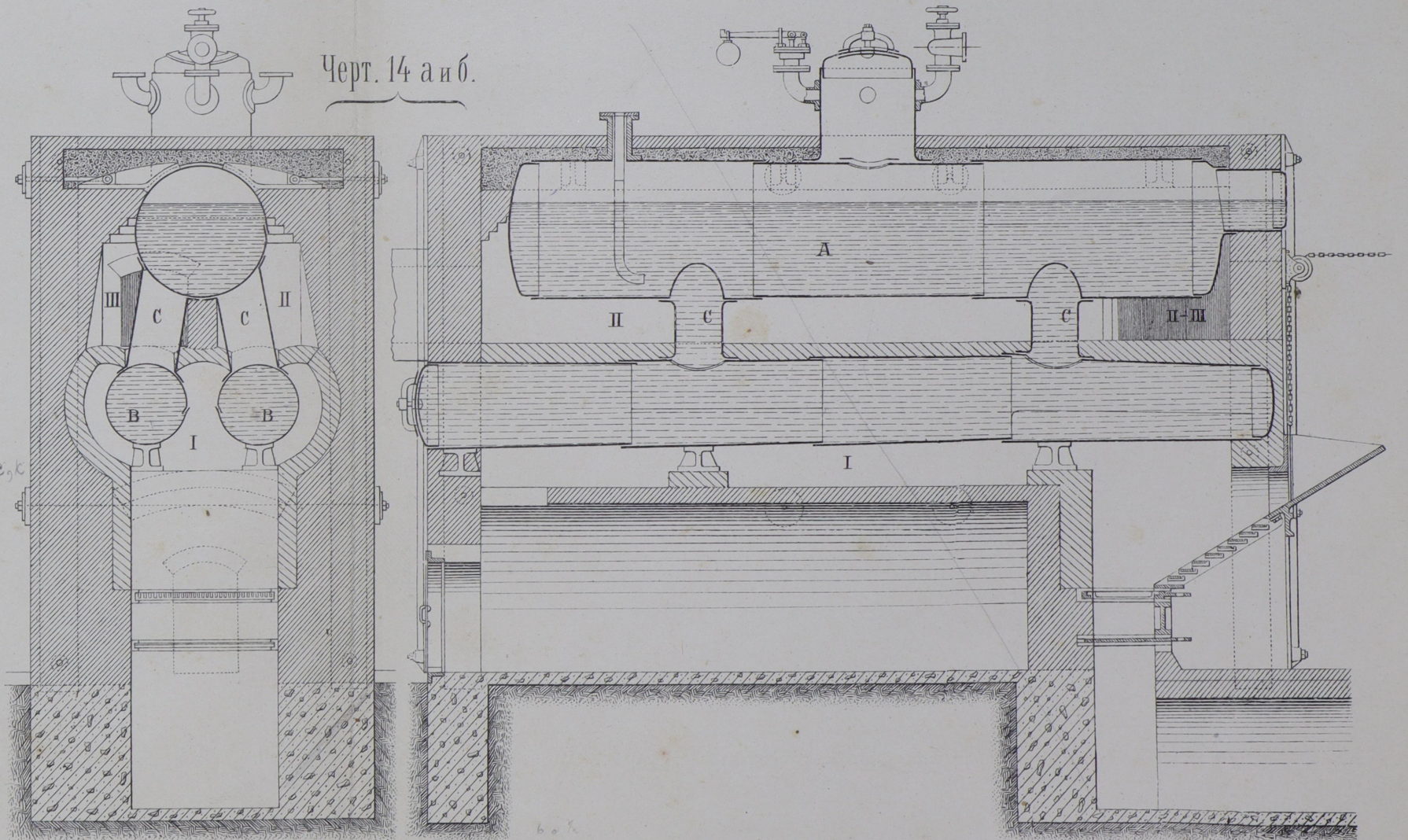
Черт. 2 а.

Черт. 2 б.

Разрѣзь по $\alpha\beta$

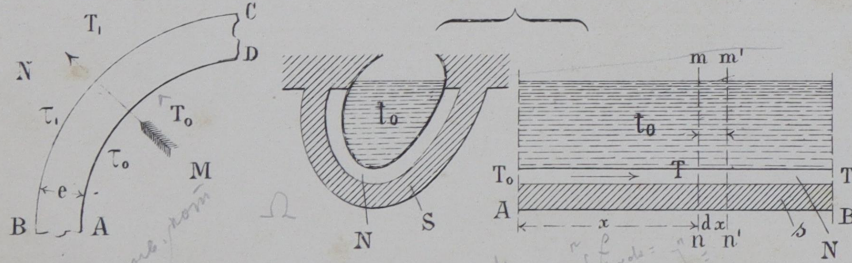


Черт. 14 а и б.



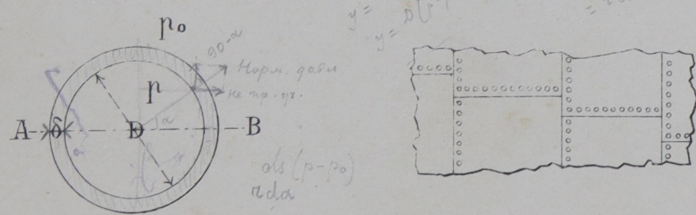
Черт 3.

Черт. 4 а и б.

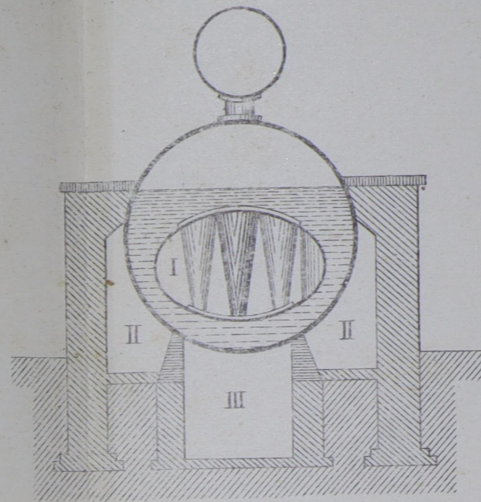


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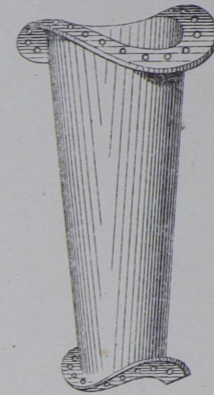
Черт. 6.



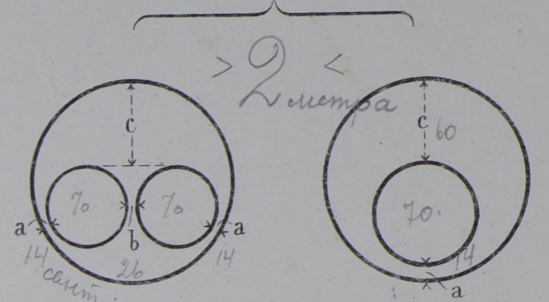
Черт. 22 а и б.



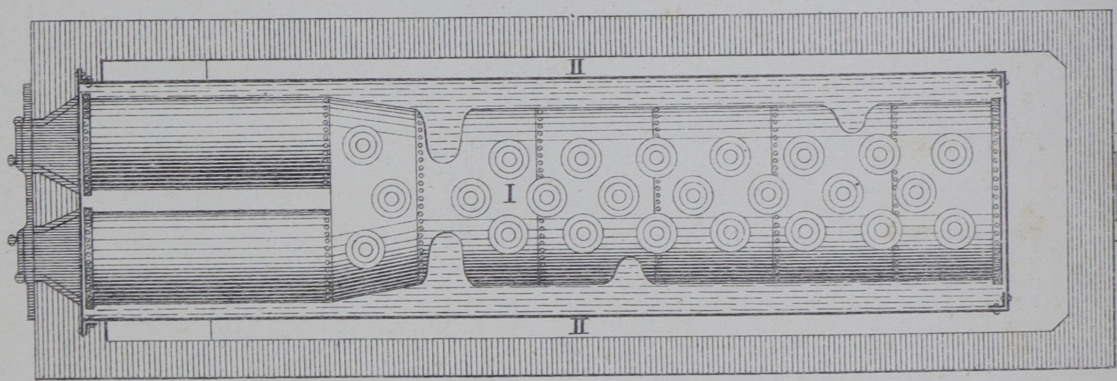
Черт. 23.



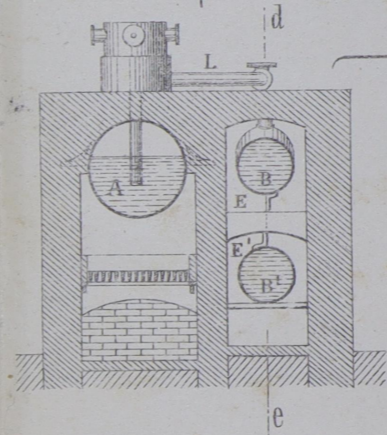
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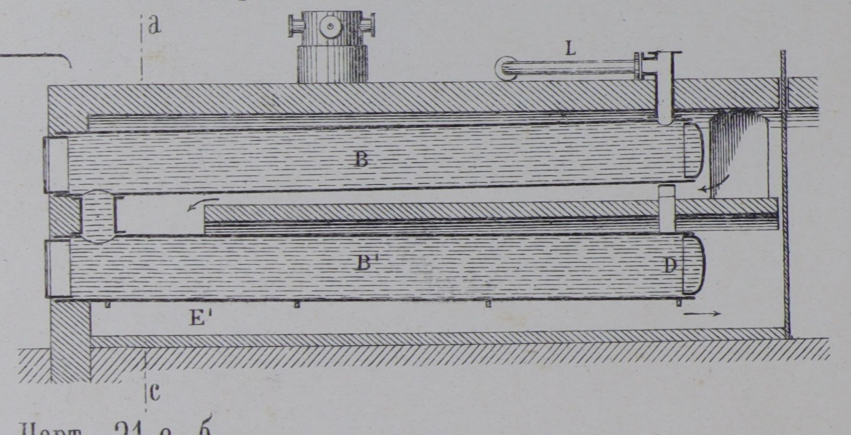
Черт. 22 в. Планъ.



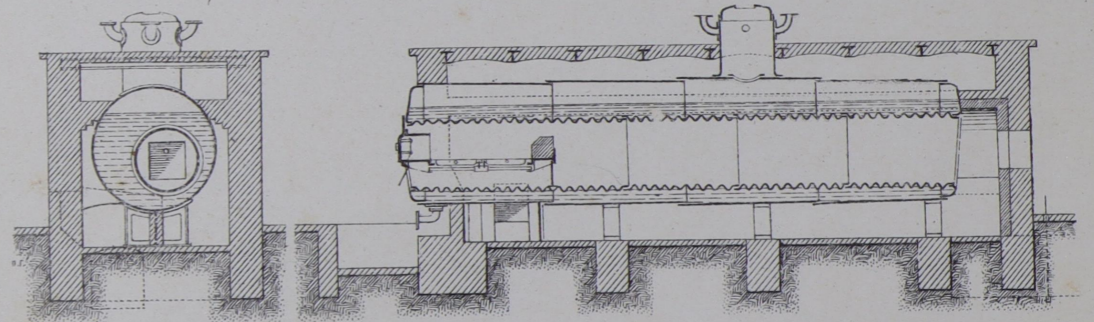
Черт. 16 а. Разръзъ по а с.



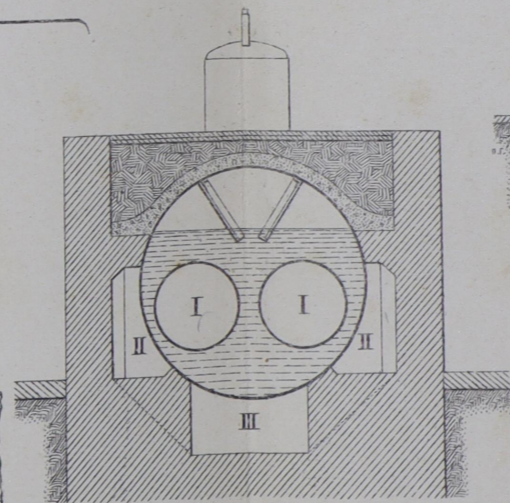
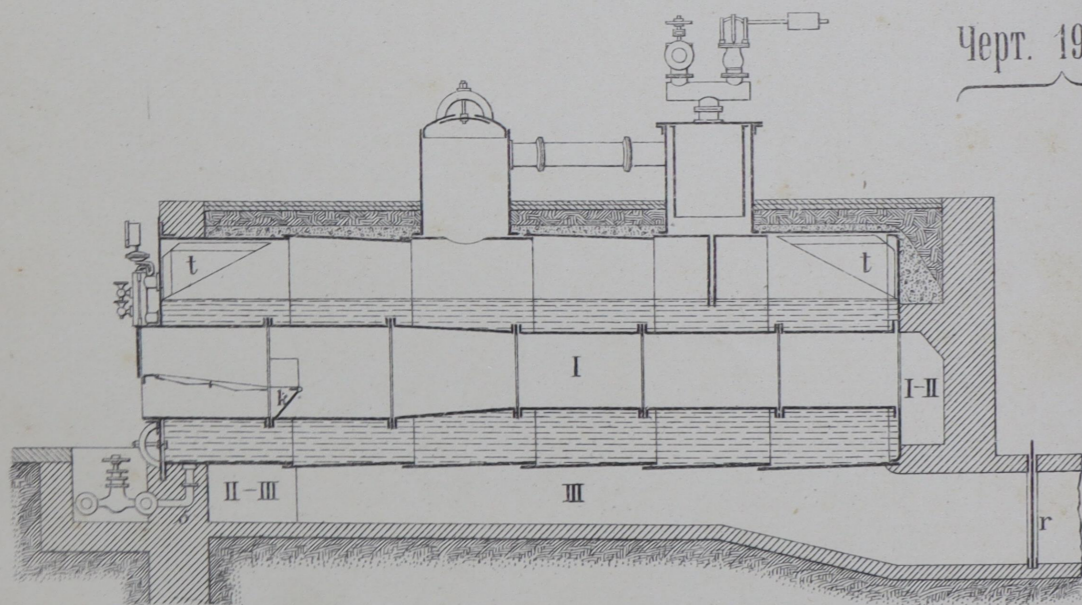
Черт. 16 а. Разръзъ по d e.



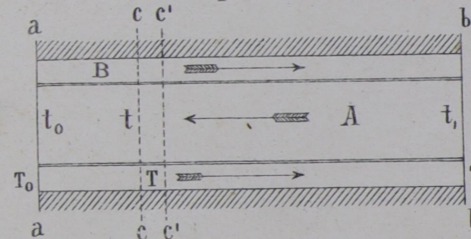
Черт. 21 а и б.



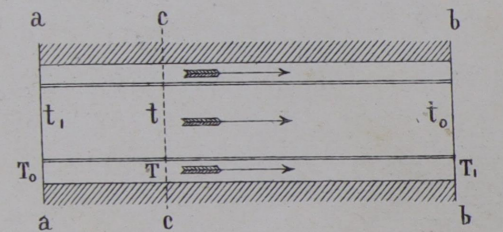
Черт. 19 а и б.



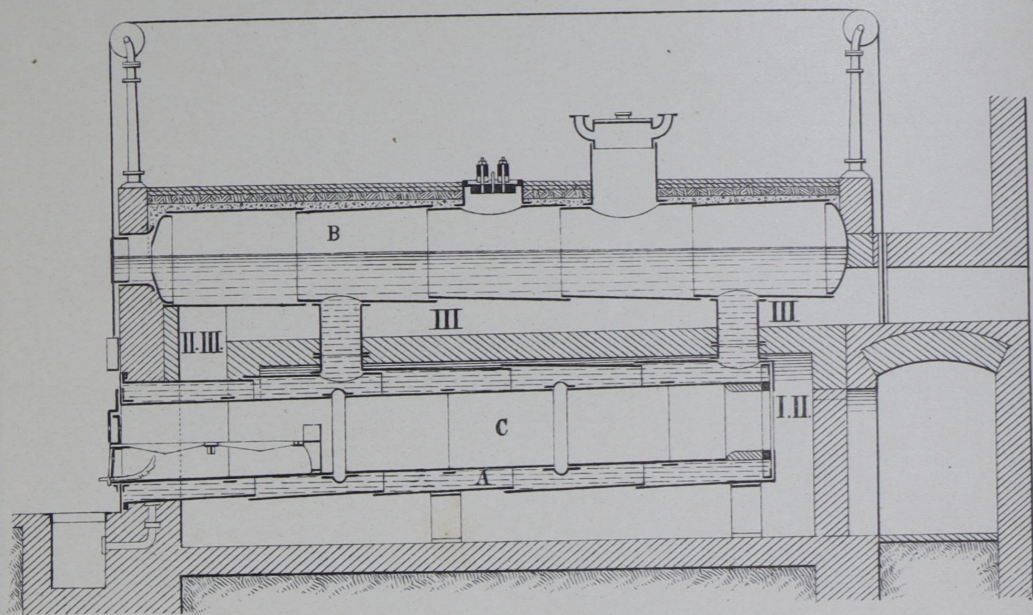
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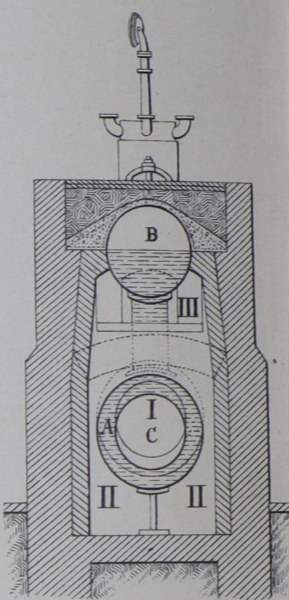
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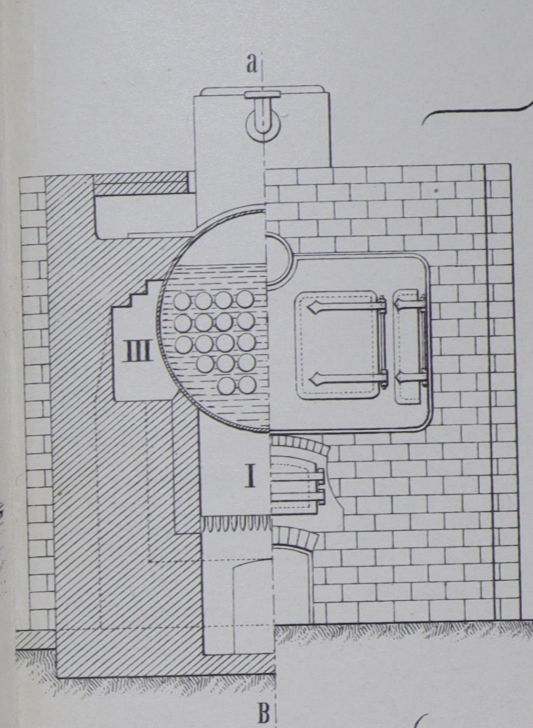
Черт. 24 а.
Продольный разръзъ.



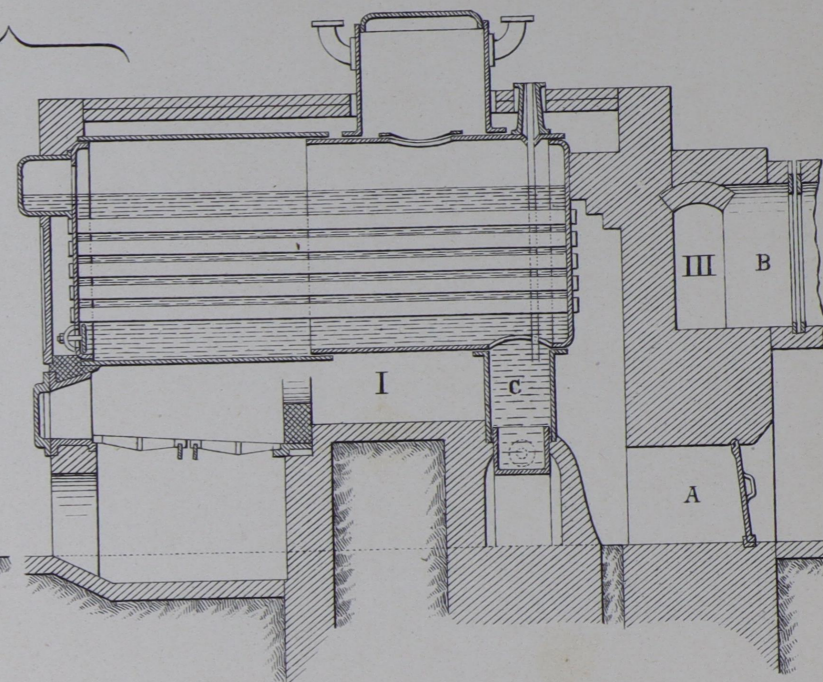
Черт. 24 б.
Поперечный разръзъ.



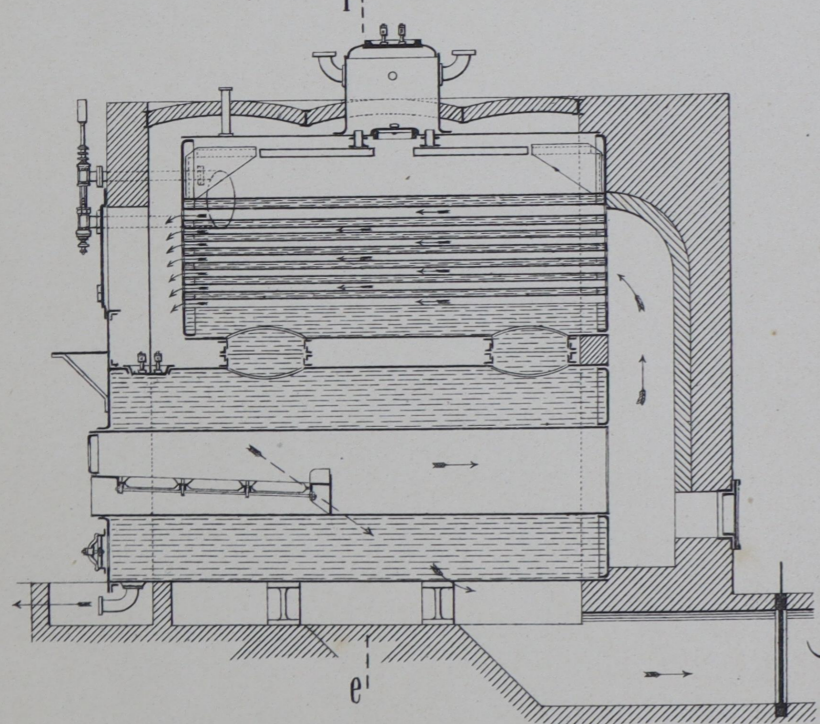
Черт. 25 а.



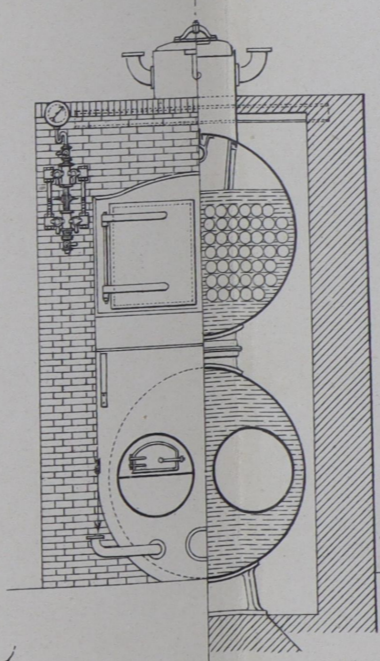
Черт. 25 б.
Разръзъ по а в.



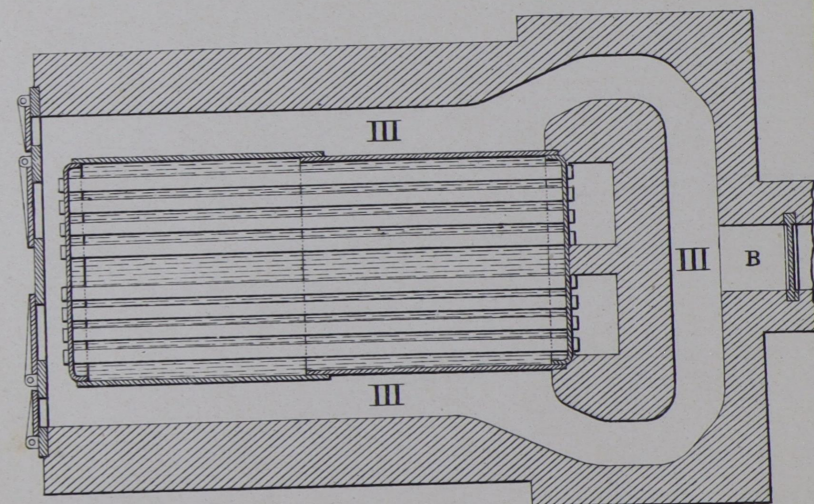
Черт. 26 а.
Продольный разръзъ.



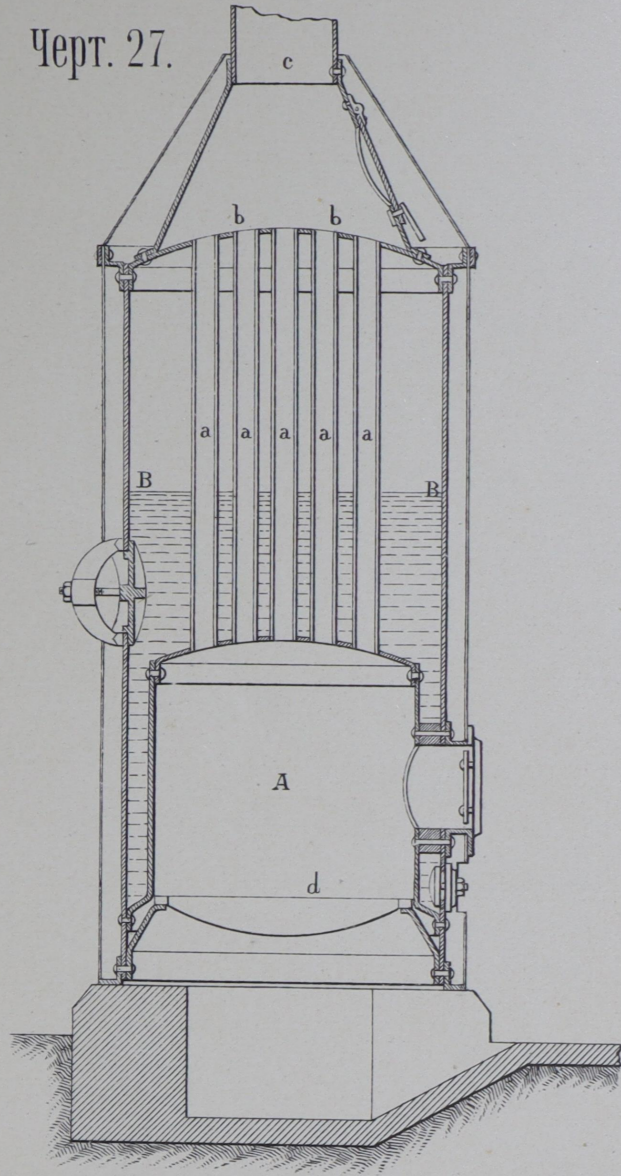
Черт. 26 б.
Фасадъ и разръзъ по f e.



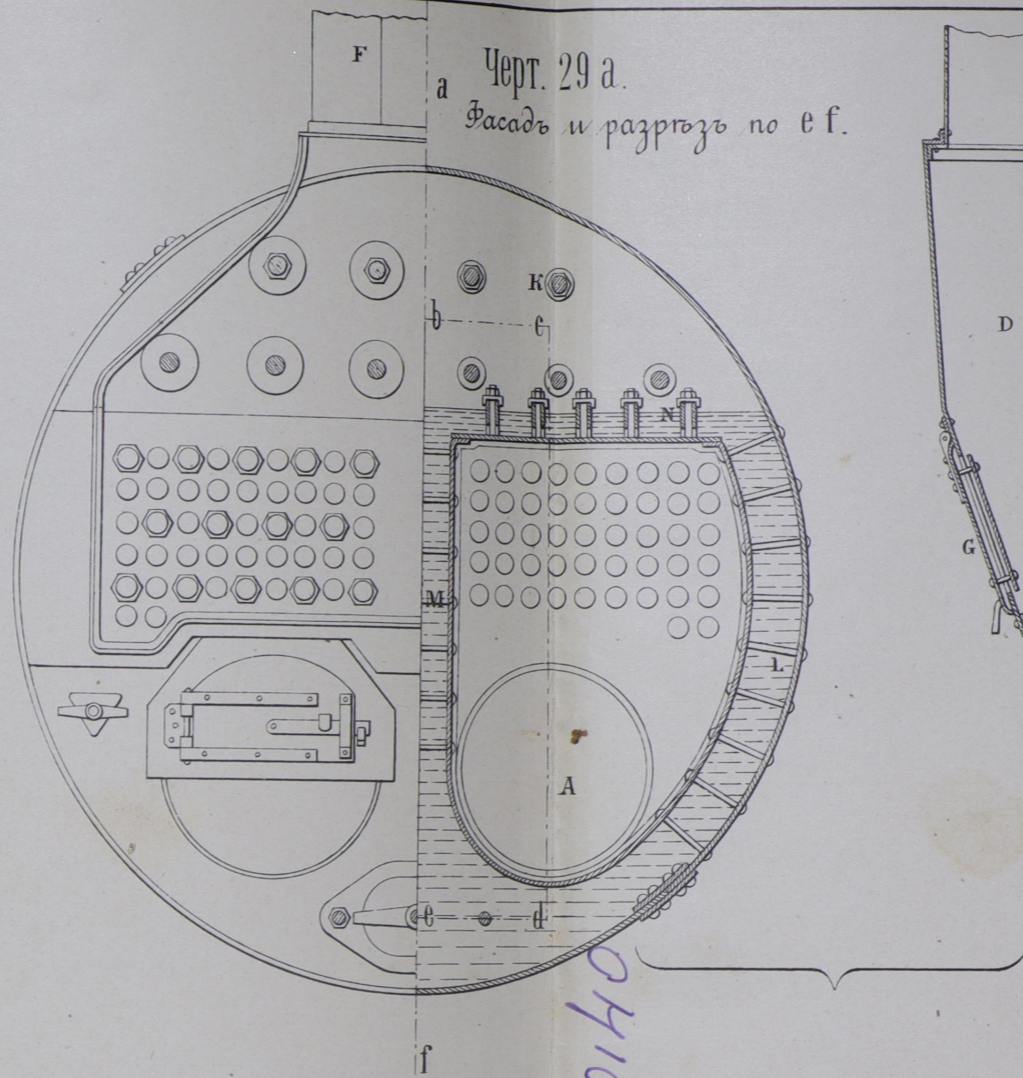
Черт. 25 в.
Планъ.



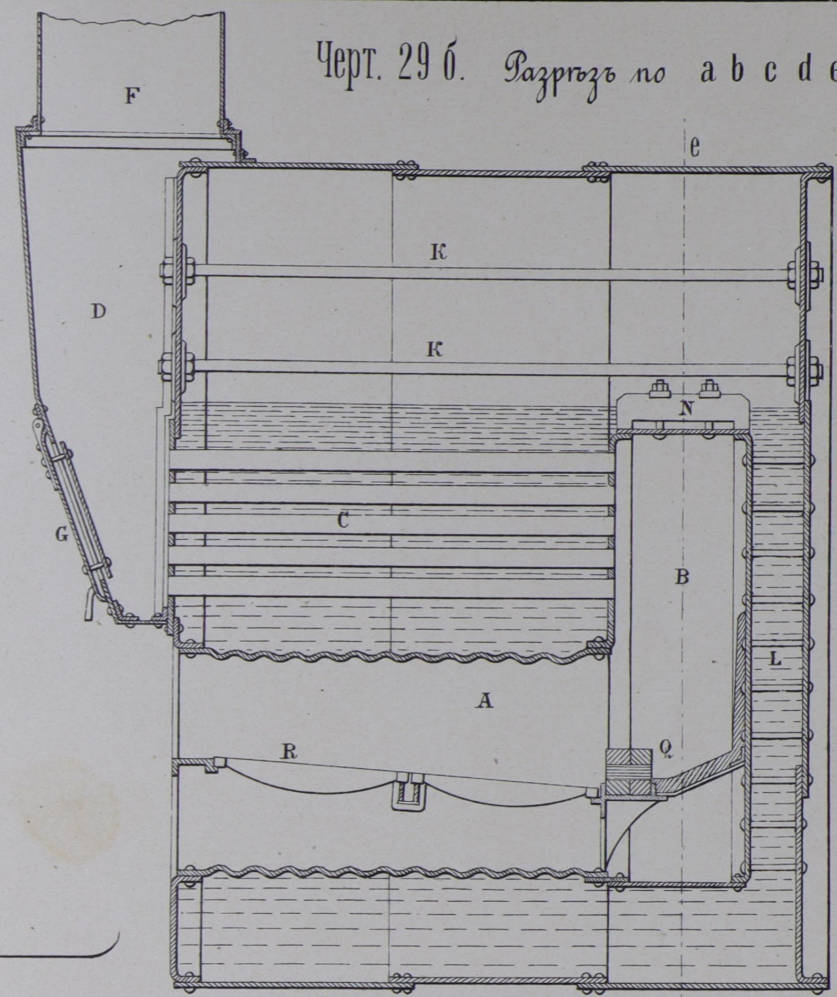
Черт. 27.



Черт. 29 а.
Фасадъ и разрѣзь по e f.

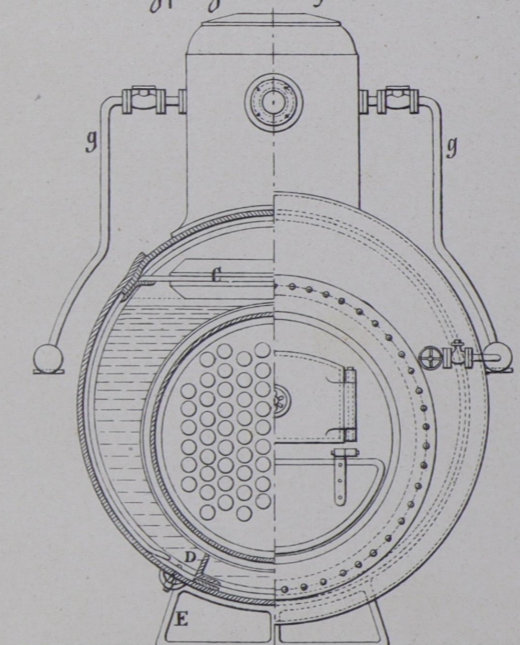
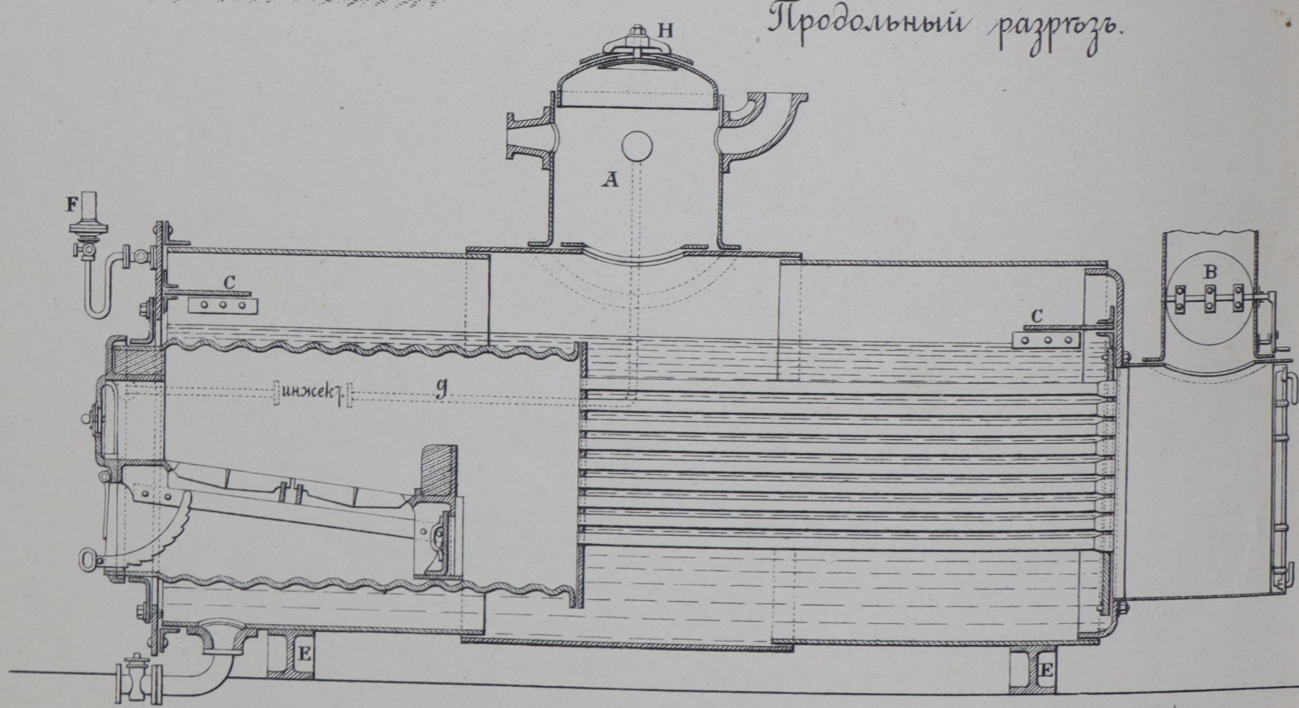


Черт. 29 б. Разрѣзь по a b c d e f.

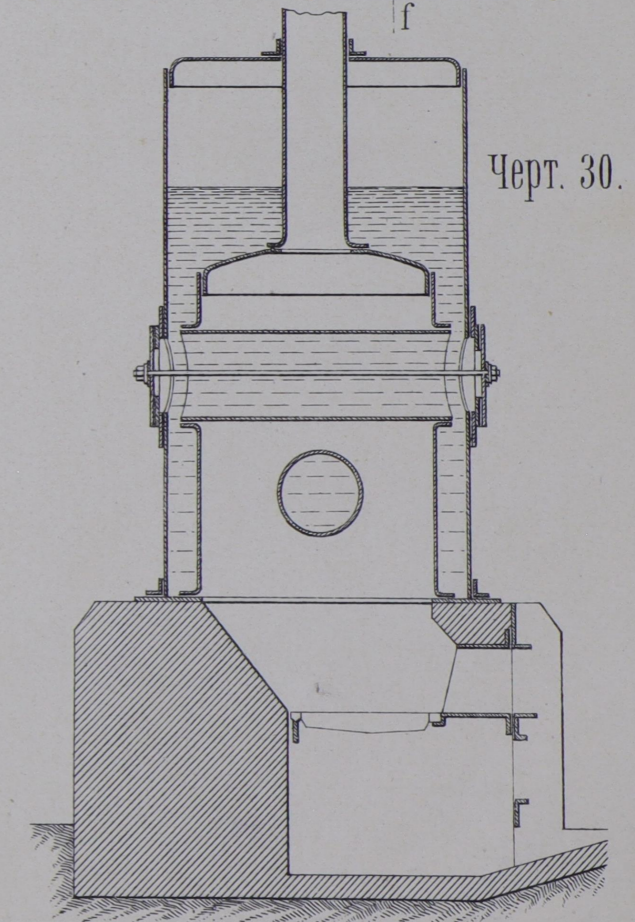


Черт. 28 а.
Продольный разрѣзь.

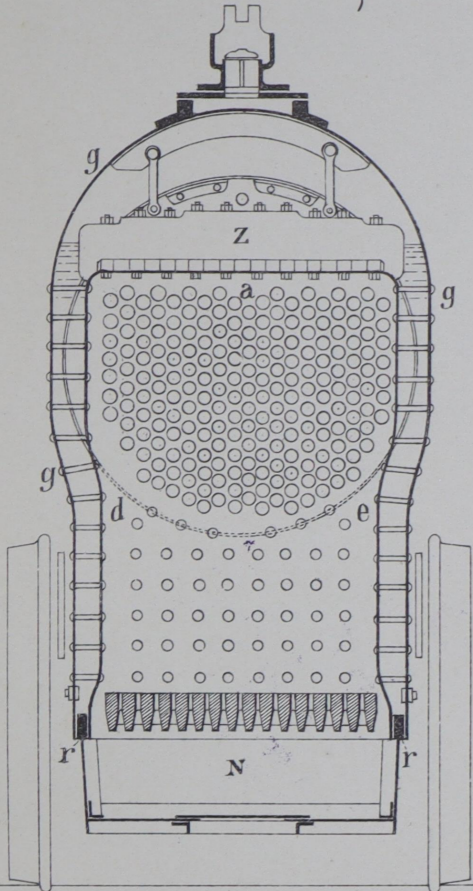
Черт. 28 б.
Разрѣзь и фасадъ.



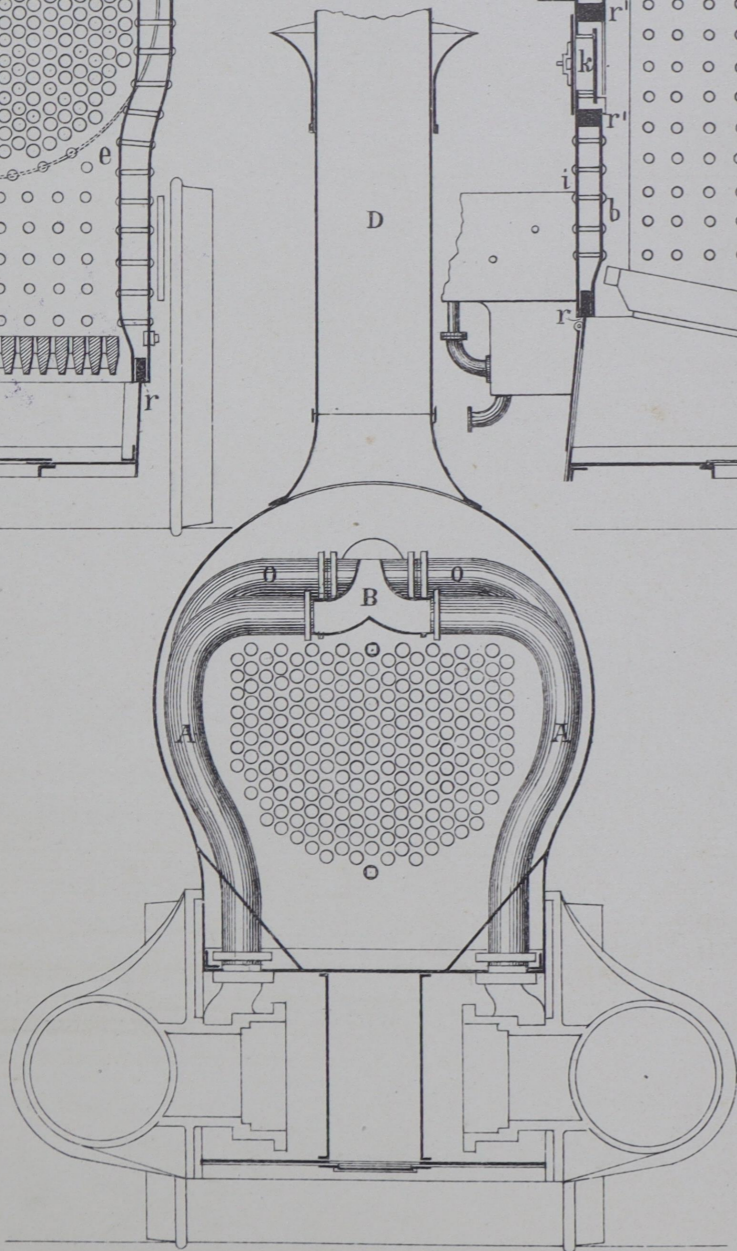
Черт. 30.



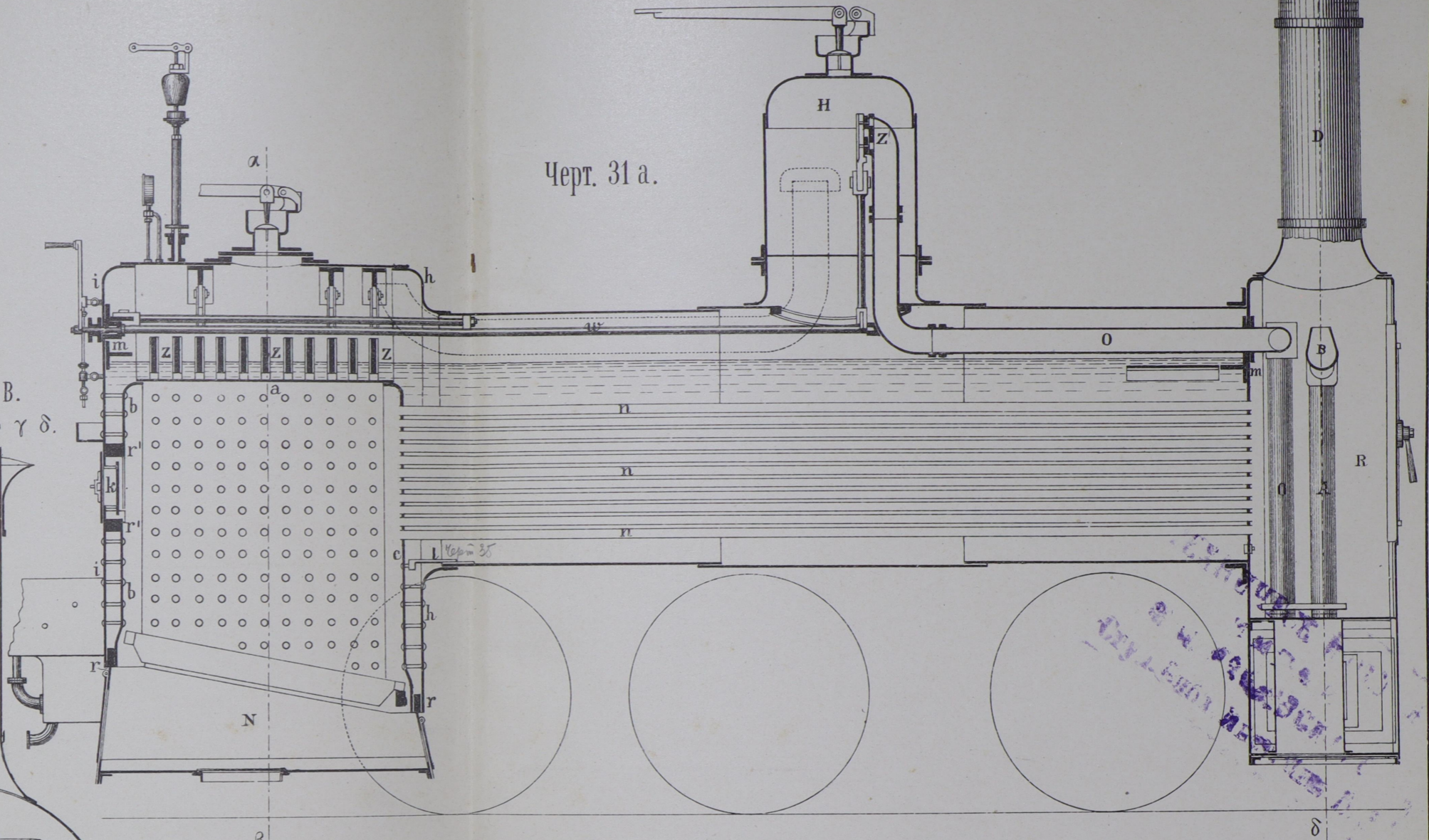
Черт. 31 б.
Разрѣзь по а б.



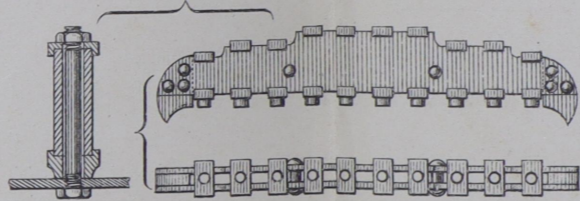
Черт. 31 в.
Разрѣзь по γ δ.



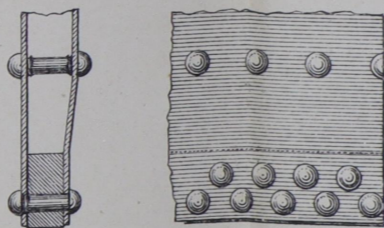
Черт. 31 а.



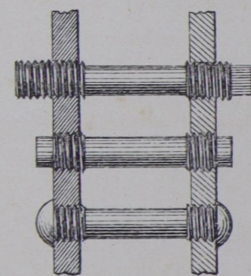
Черт. 32.



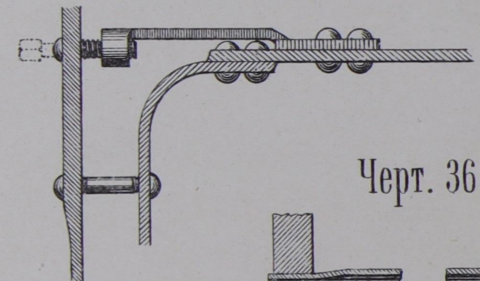
Черт. 33.



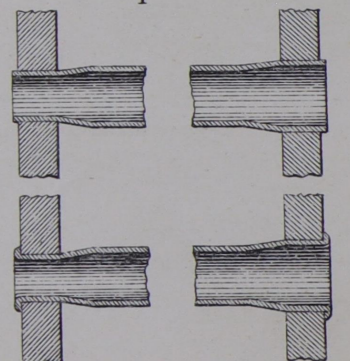
Черт. 34.



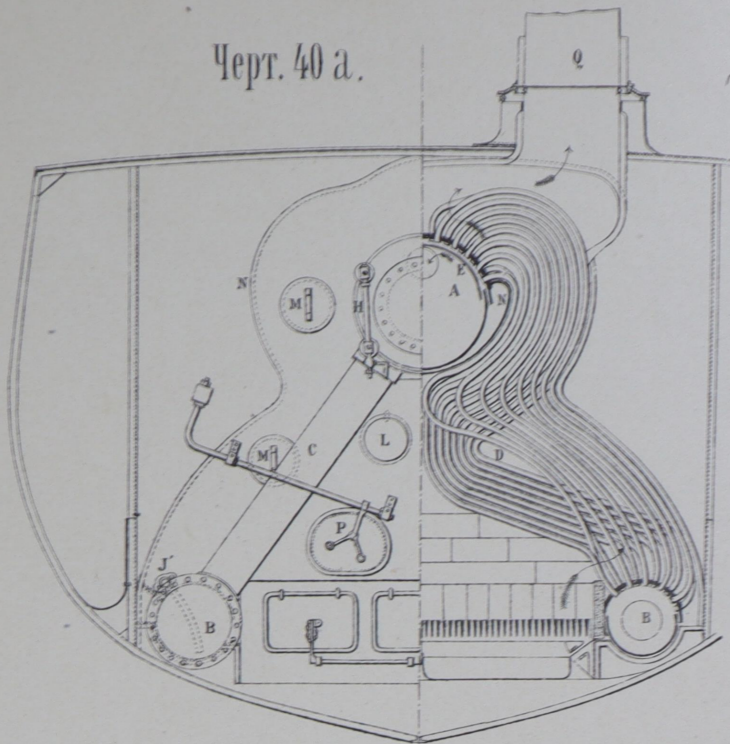
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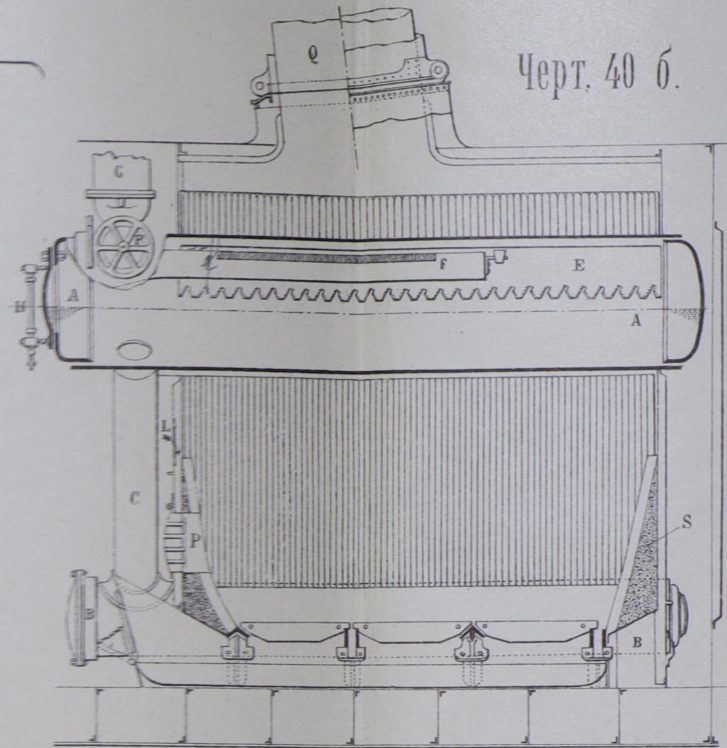
Черт. 36.



Черт. 40 а.

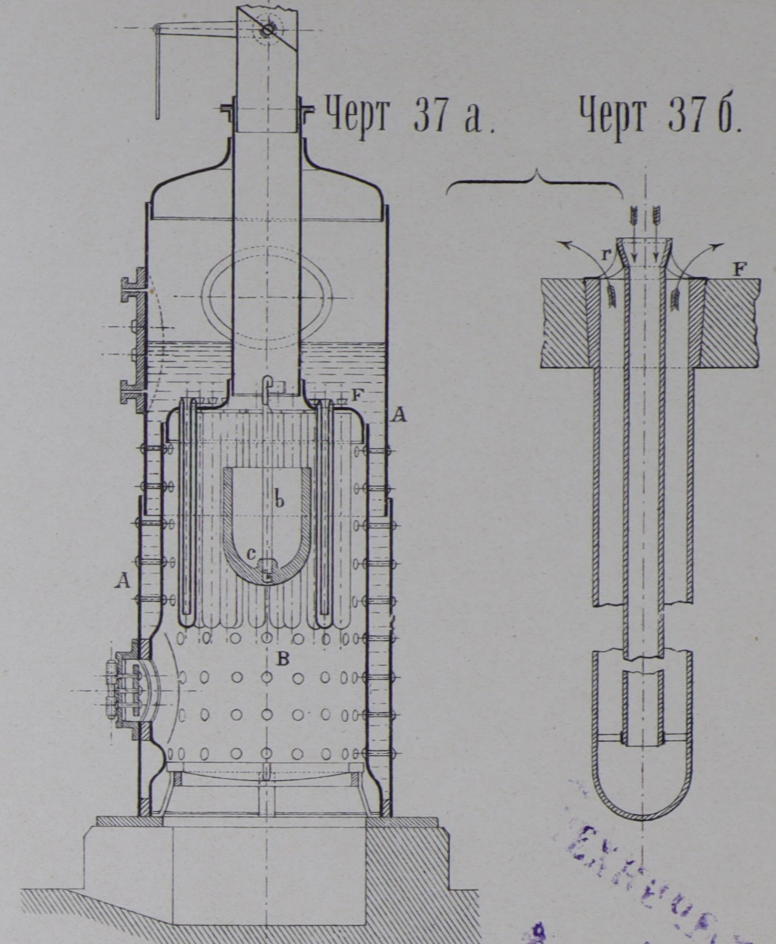


Черт. 40 б.

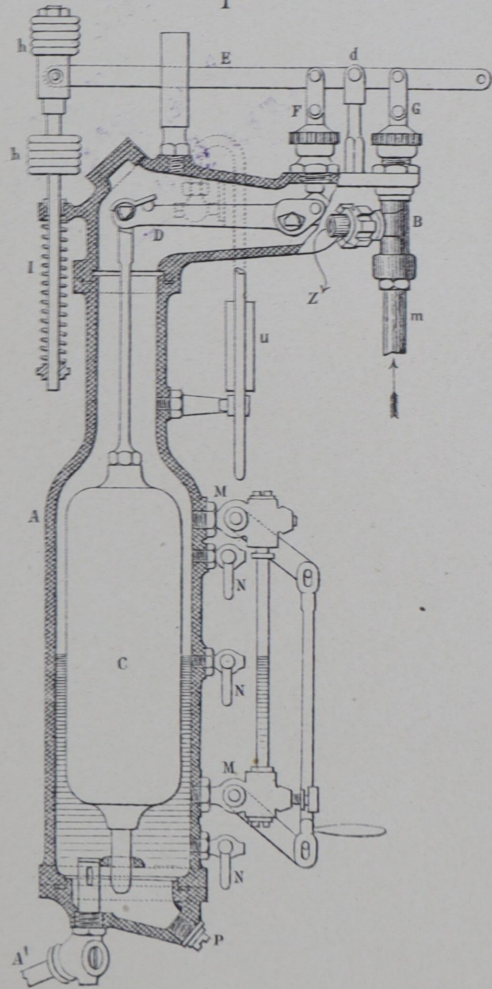


Черт 37 а.

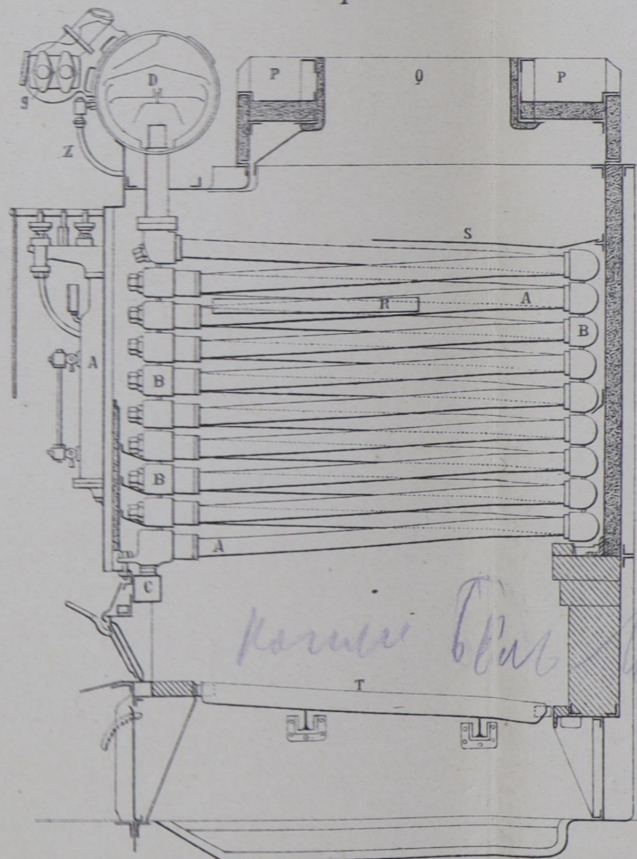
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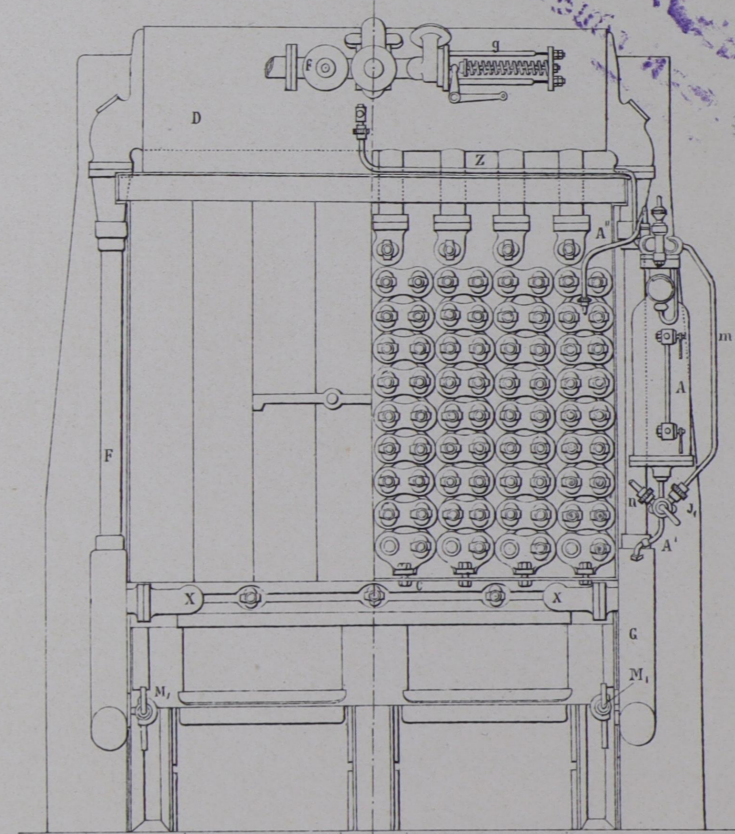
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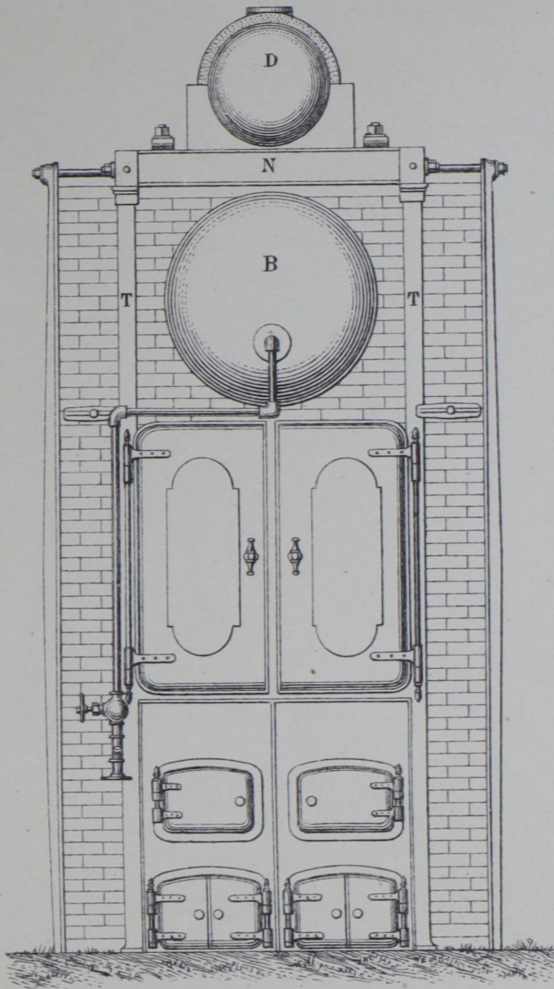
Черт. 38 а.



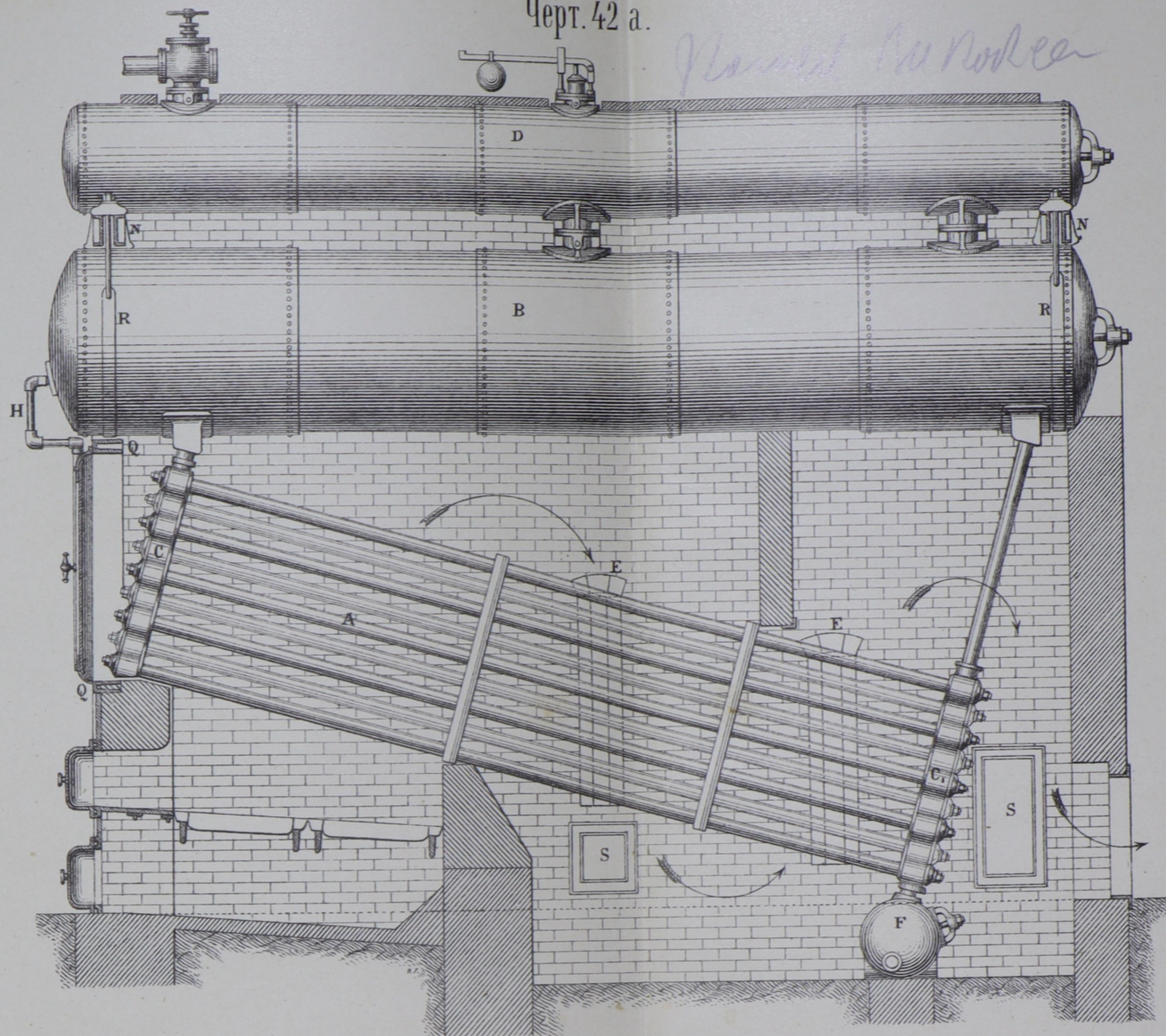
Черт. 38 б.



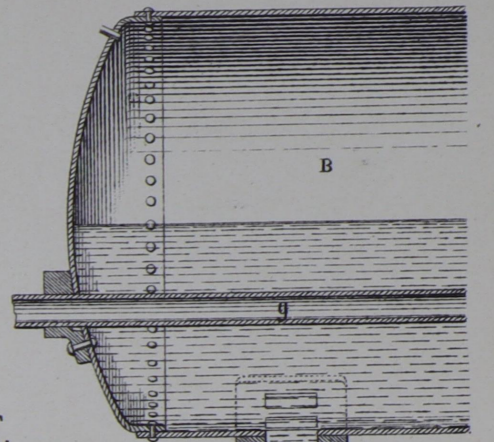
Черт. 42 б.



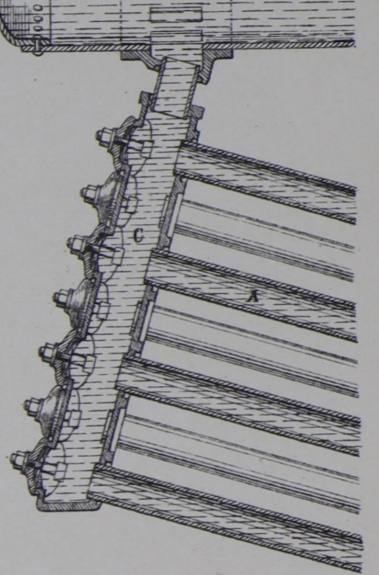
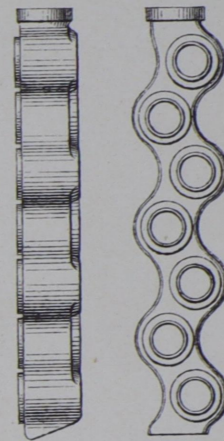
Черт. 42 а.



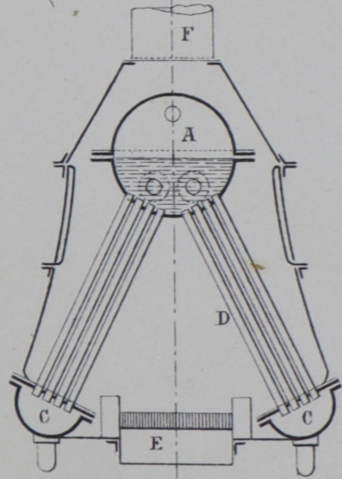
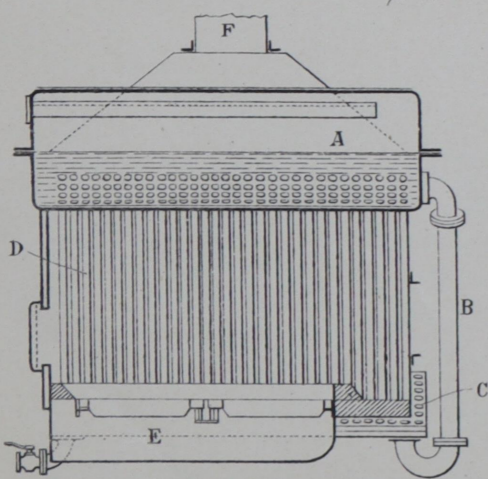
Черт. 42 в.



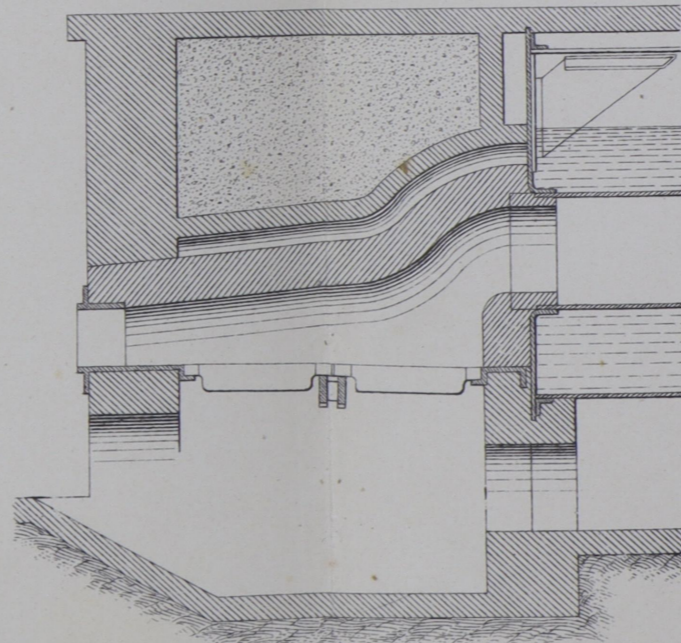
Черт. 42 г.



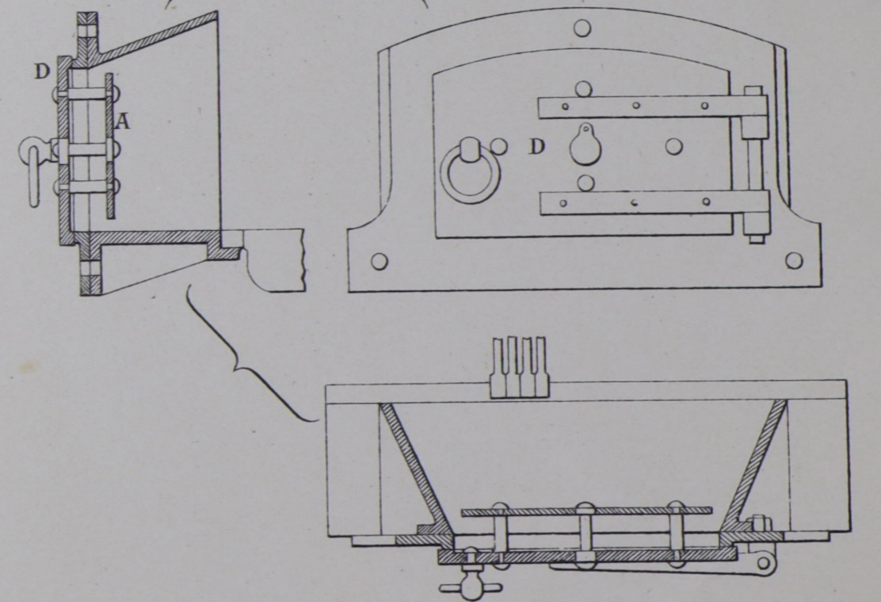
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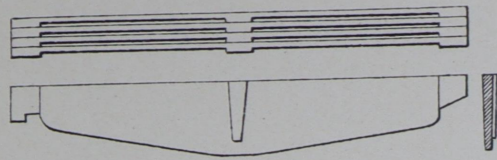
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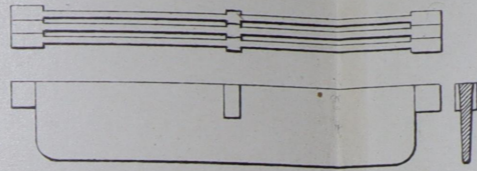
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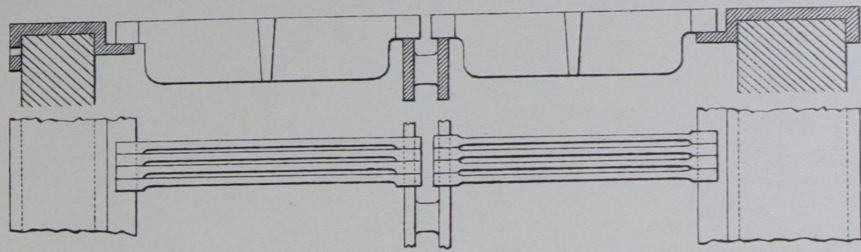
Черт. 45.



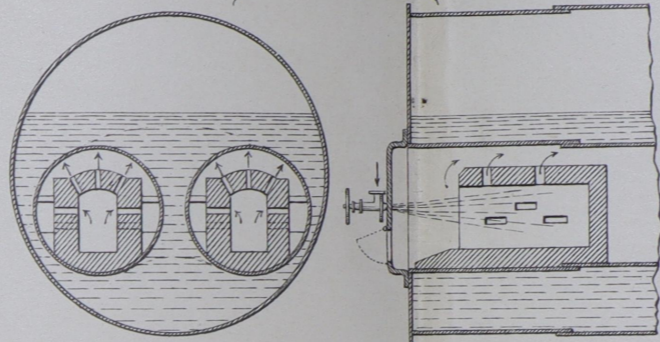
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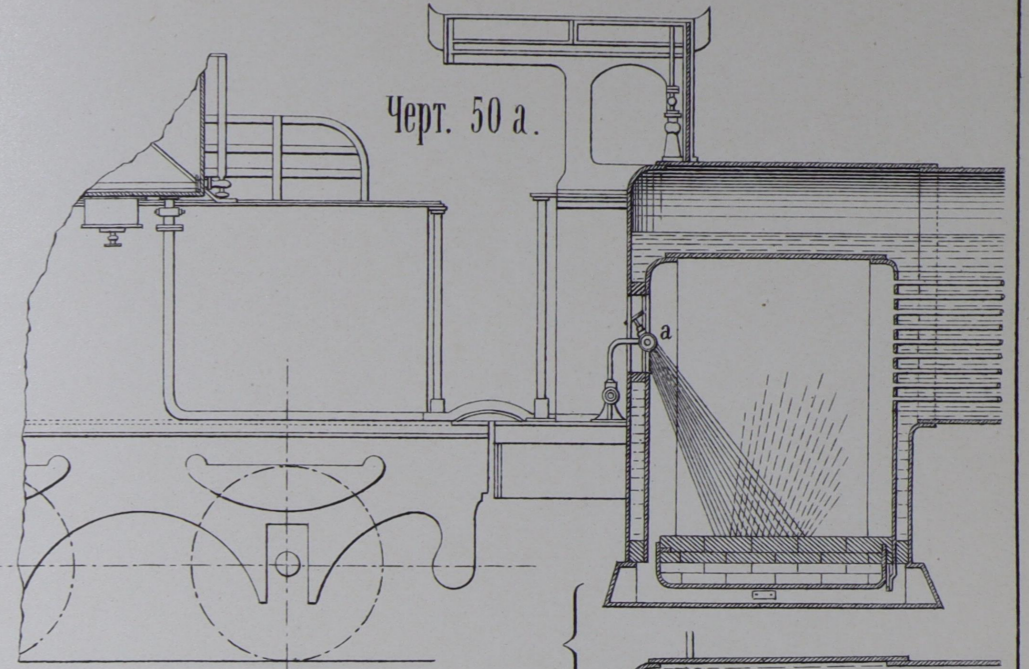
Черт. 47.



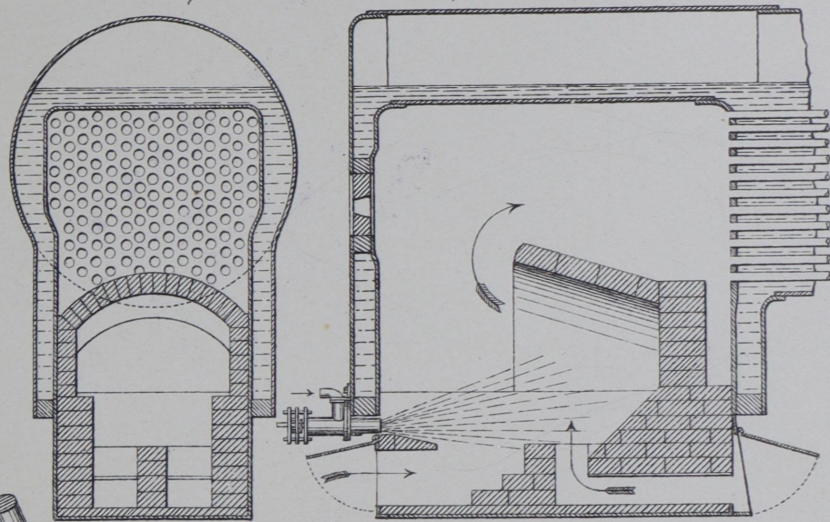
Черт. 54 а и б.



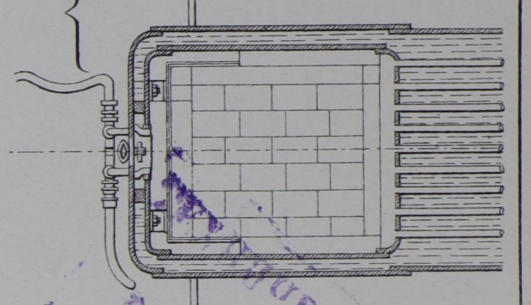
Черт. 50 а.



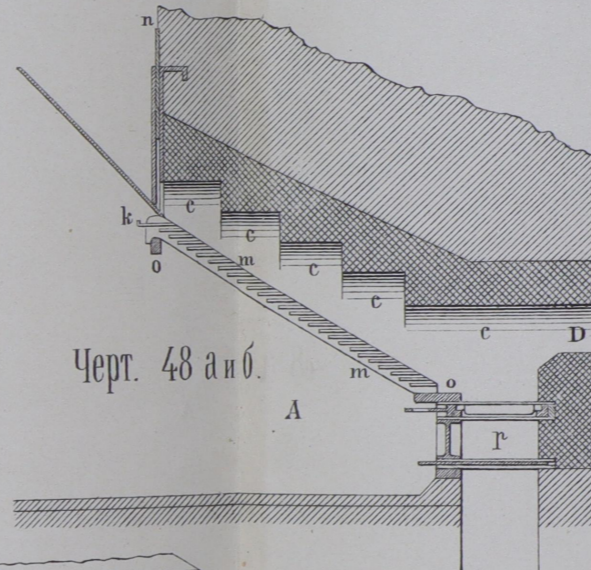
Черт. 53 а и б.



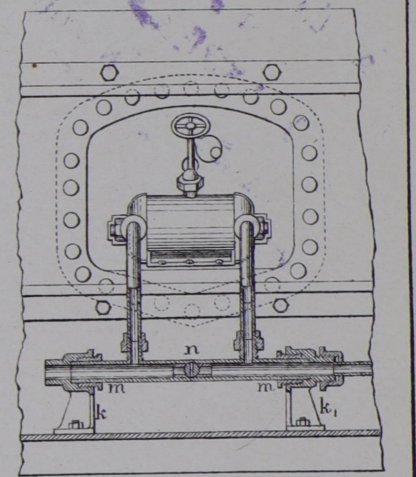
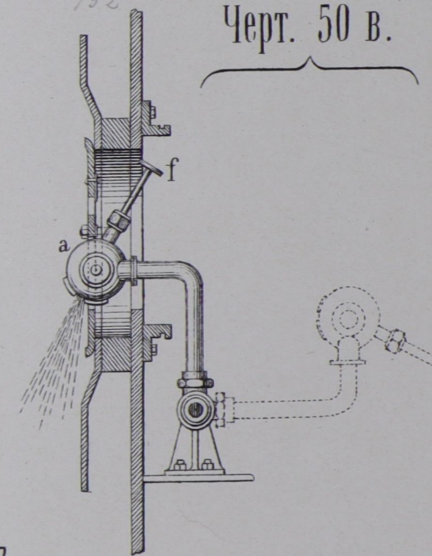
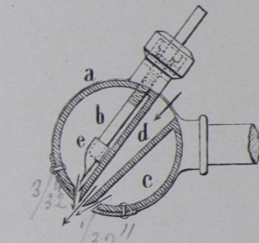
Черт. 50 б.



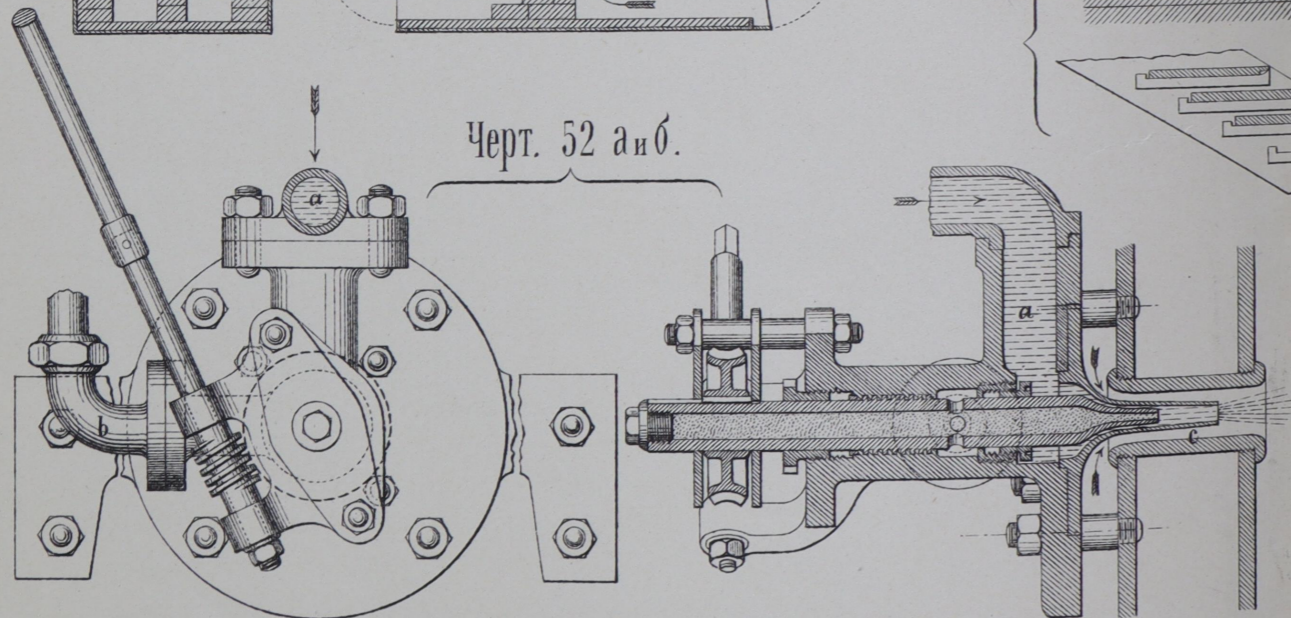
Черт. 48 а и б.



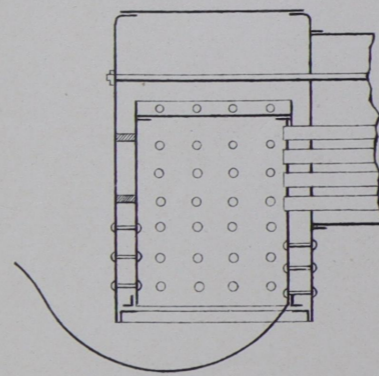
Черт. 50 в.



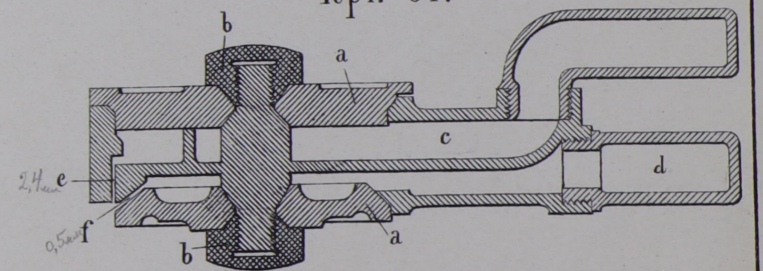
Черт. 52 а и б.



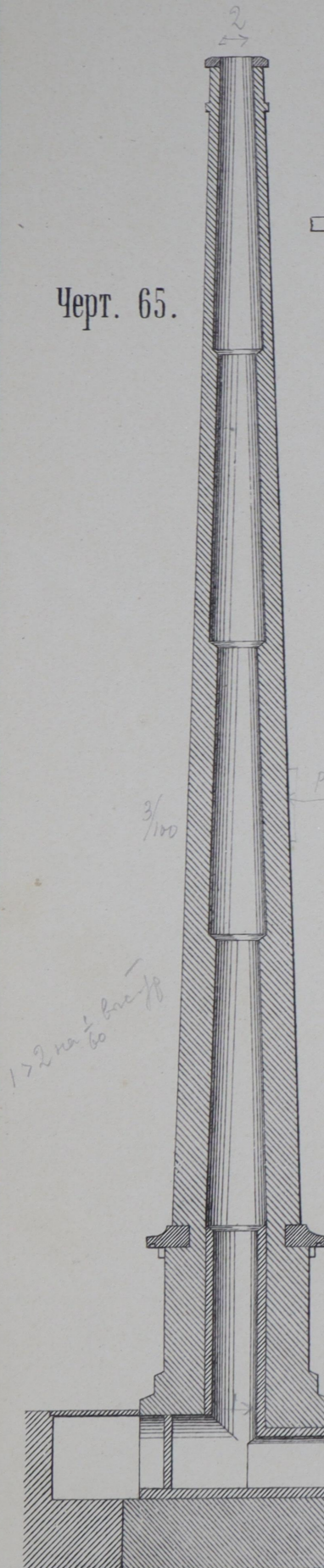
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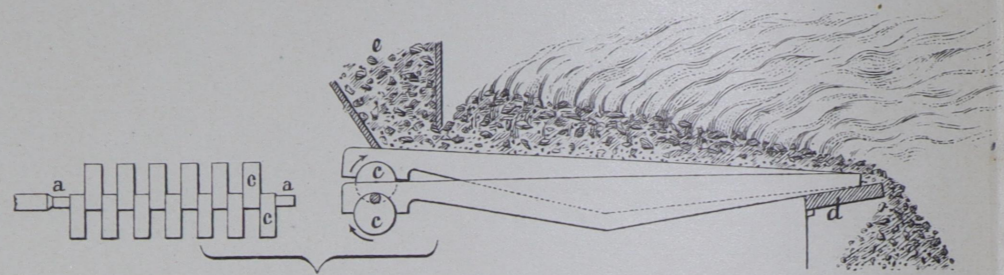
Черт. 51.



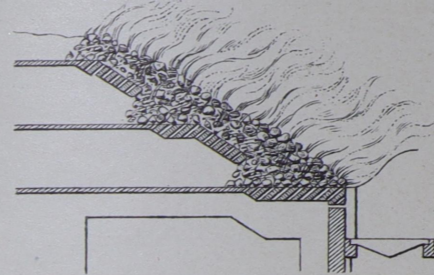
Черт. 65.



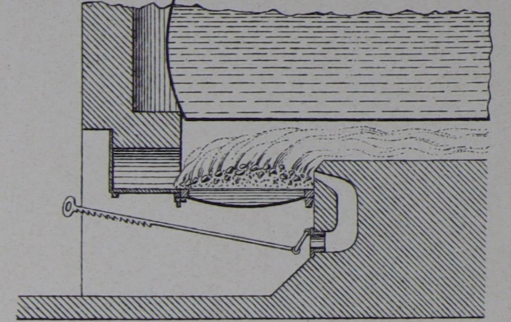
Черт. 55.



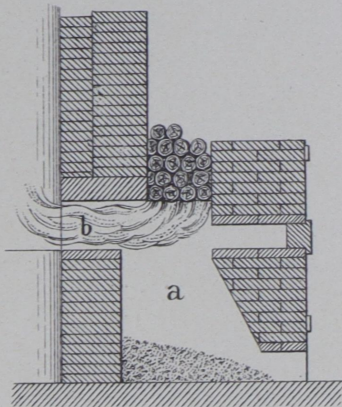
Черт. 58.



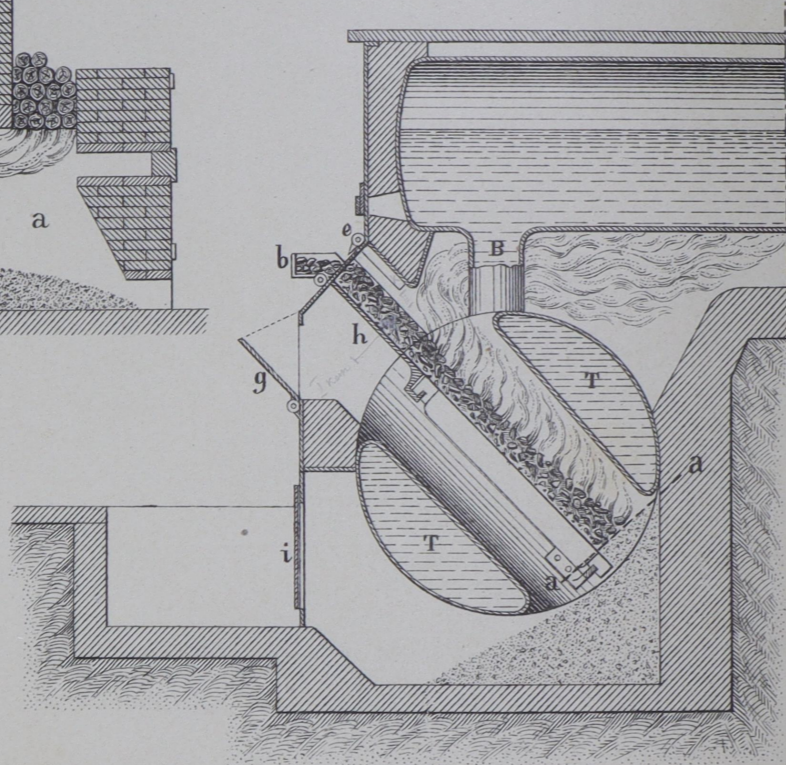
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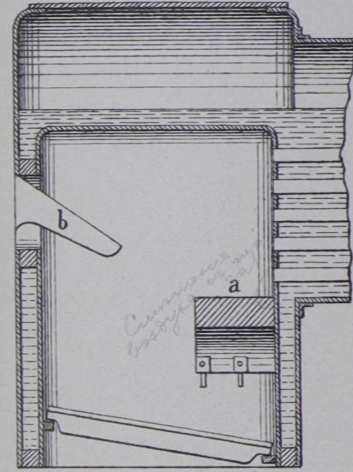
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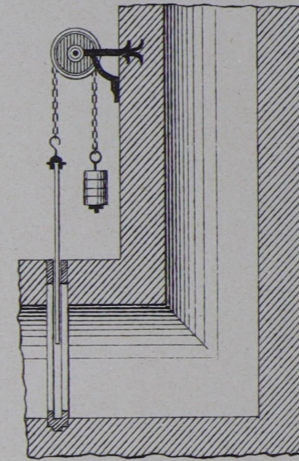
Черт. 59.



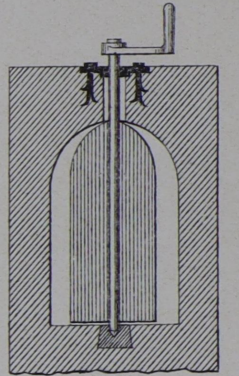
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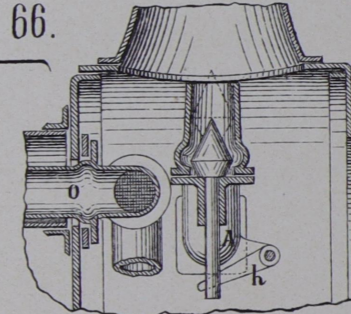
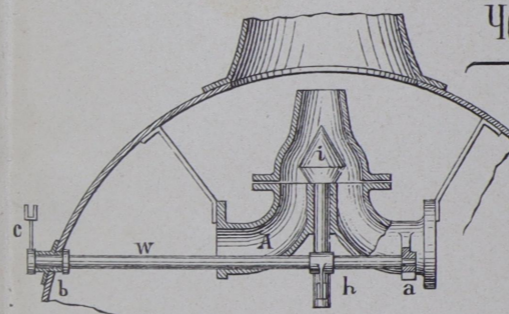
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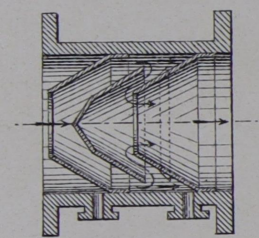
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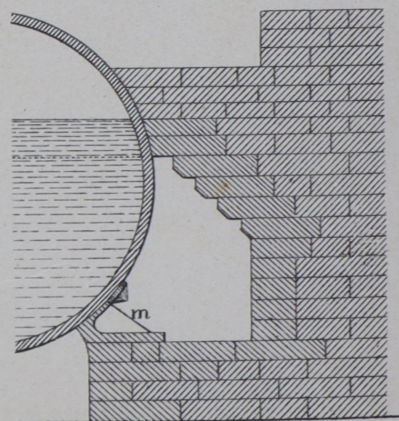
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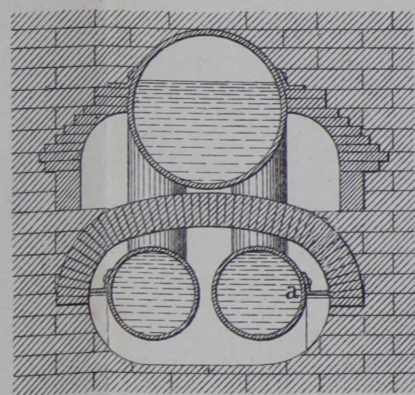
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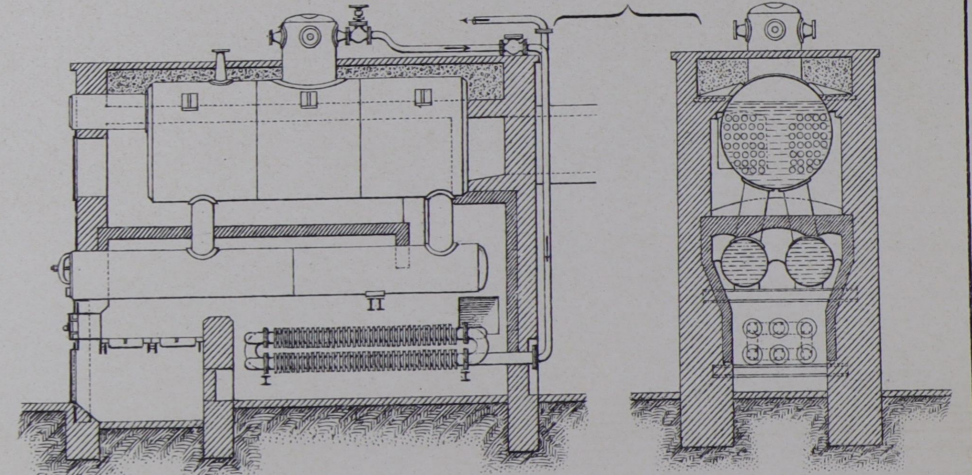
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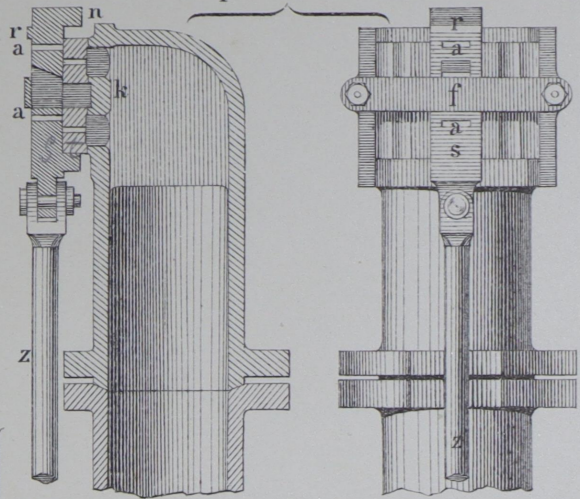
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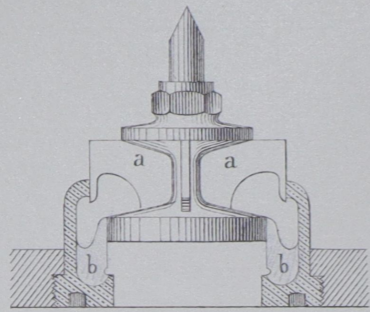
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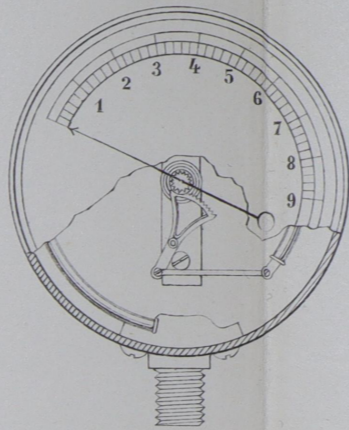
Черт. 72 а б и в.



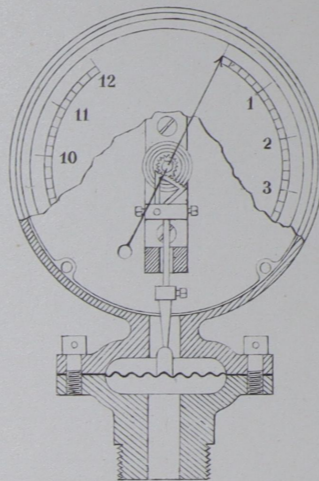
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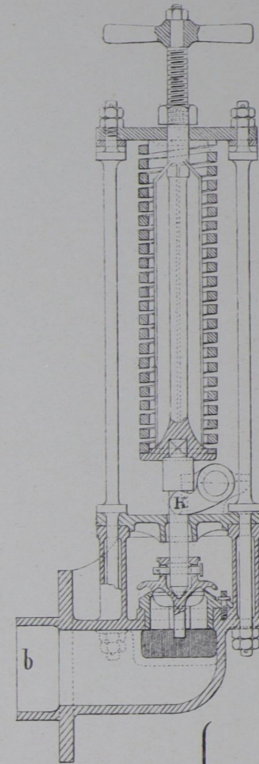
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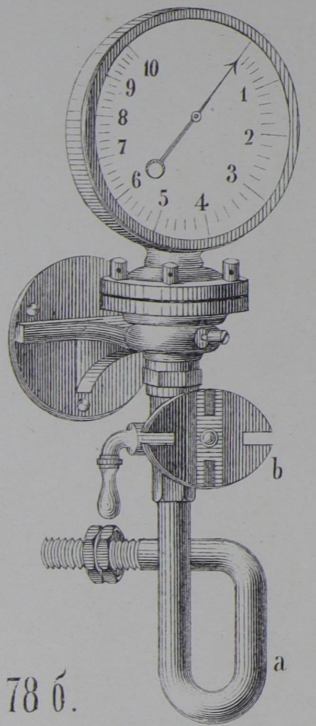
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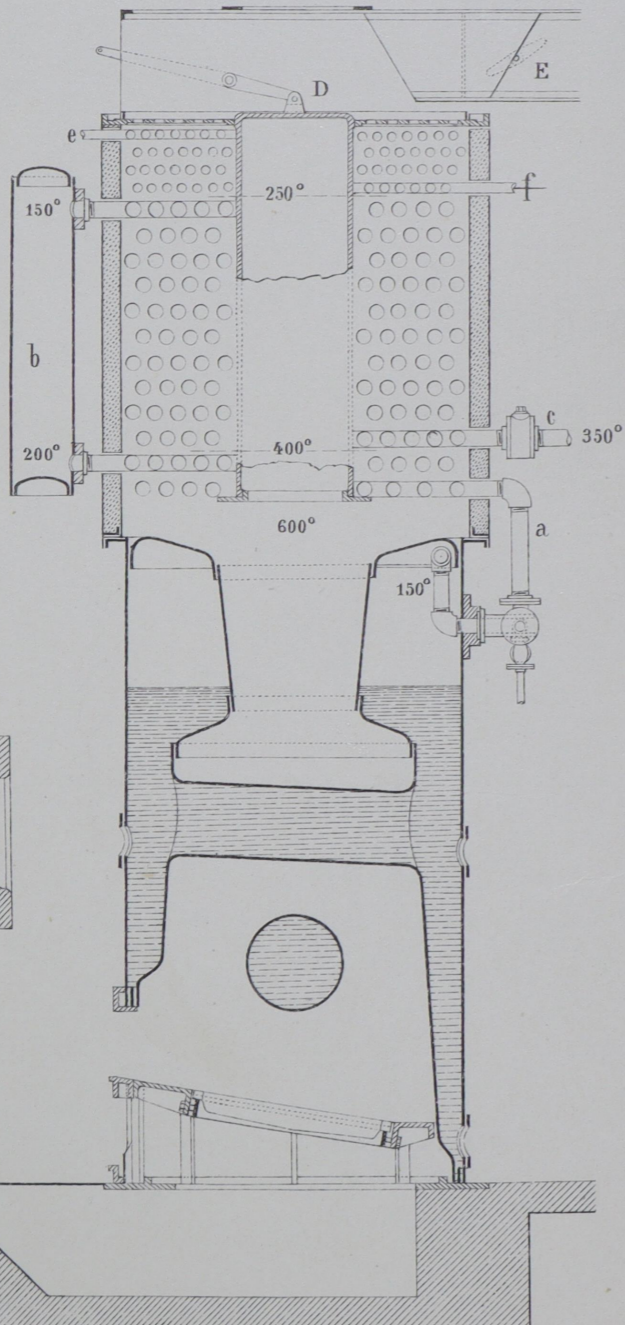
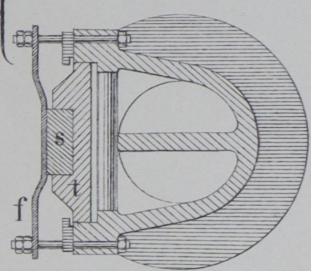
Черт. 78 а.



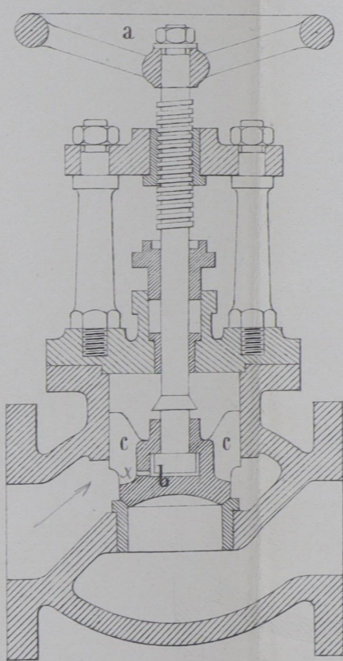
Черт. 76.



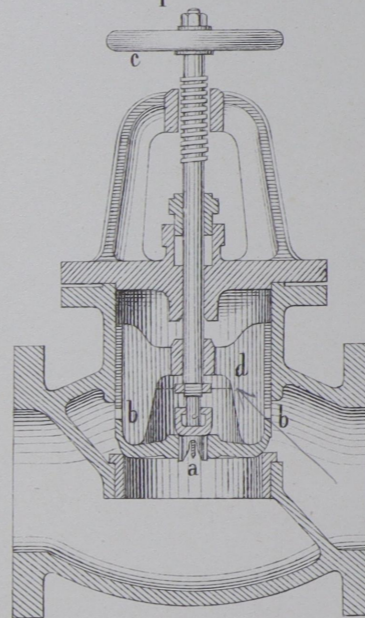
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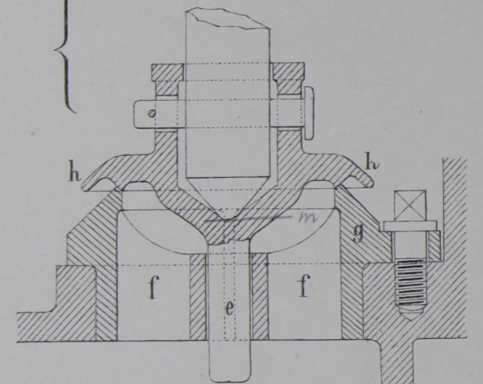
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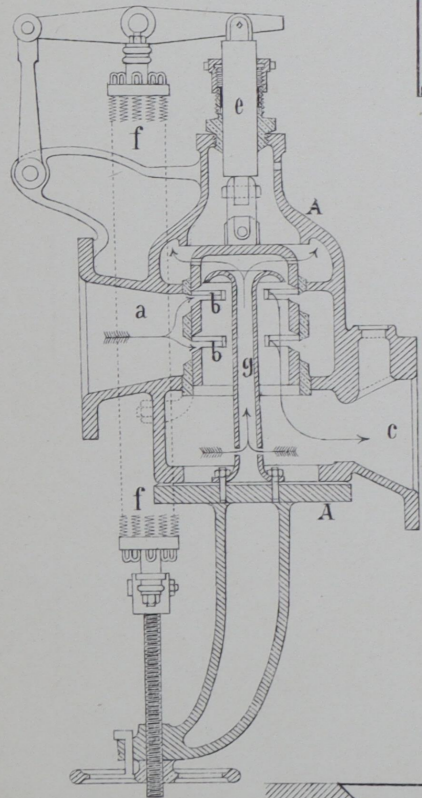
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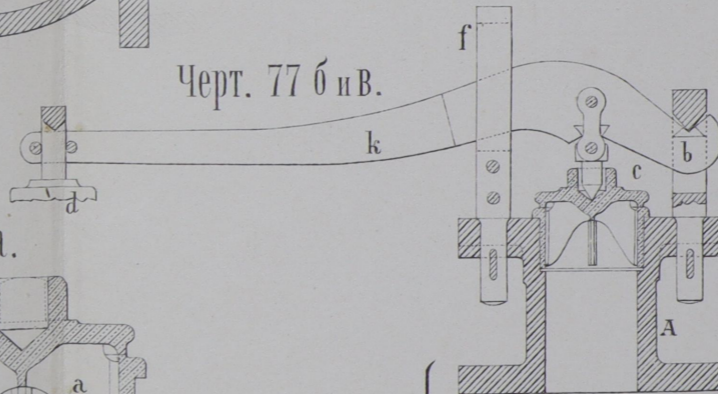
Черт. 78 б.



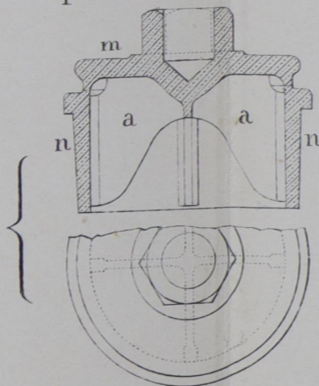
Черт. 73.



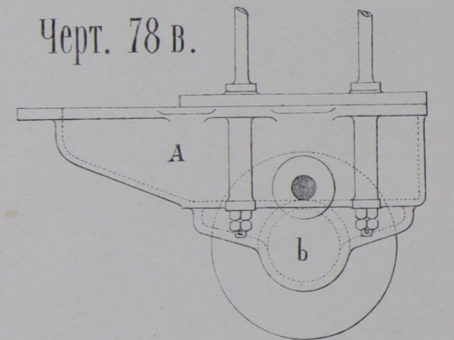
Черт. 77 б и в.



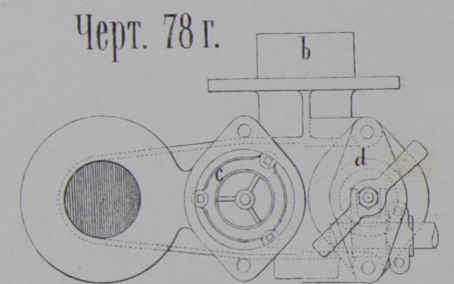
Черт. 77 а.



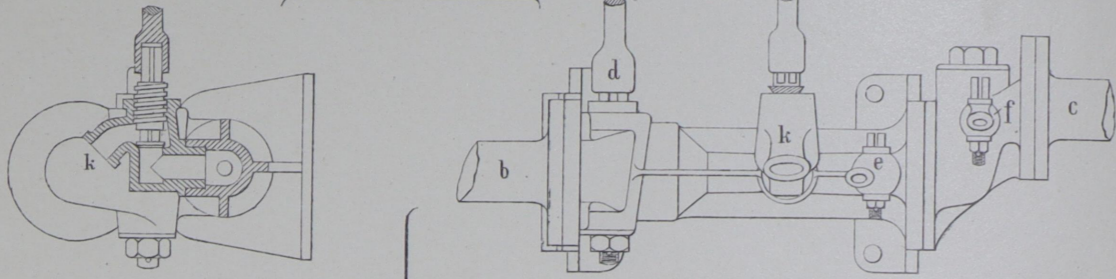
Черт. 78 в.



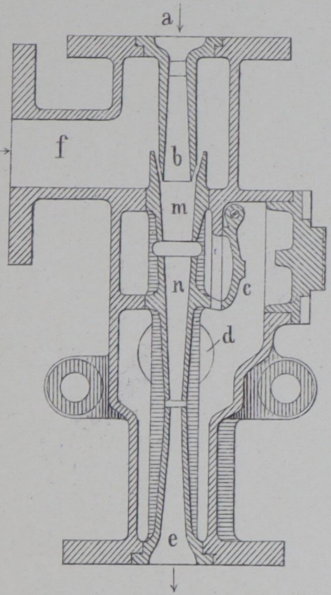
Черт. 78 г.



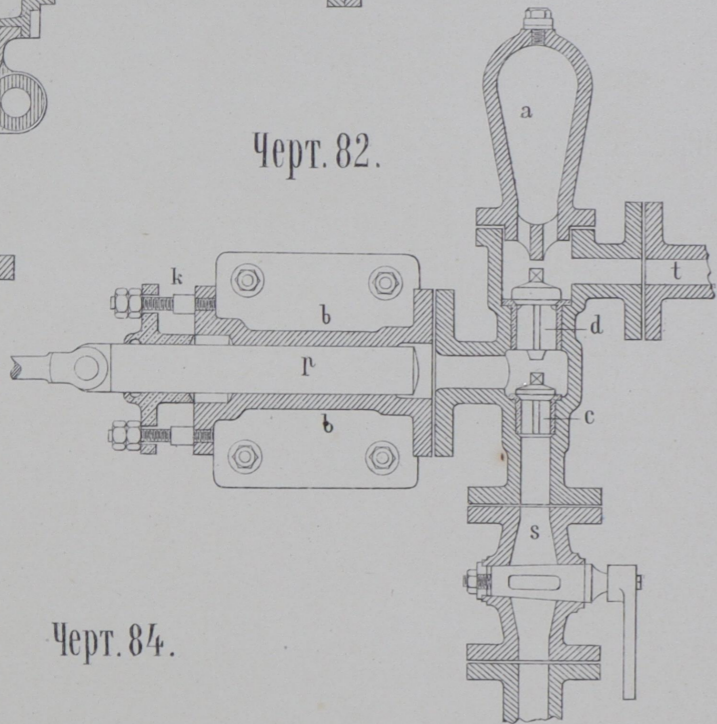
Черт. 87 а, б и в.



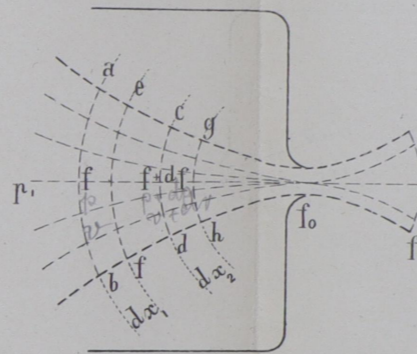
Черт. 89.



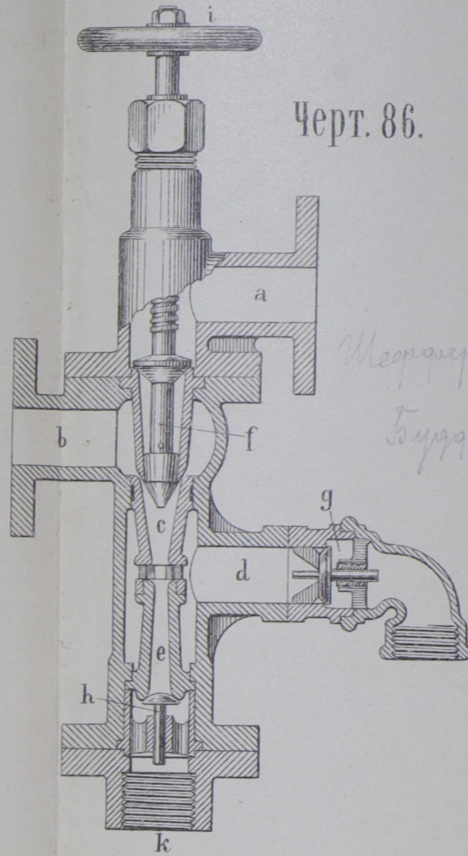
Черт. 82.



Черт. 80.

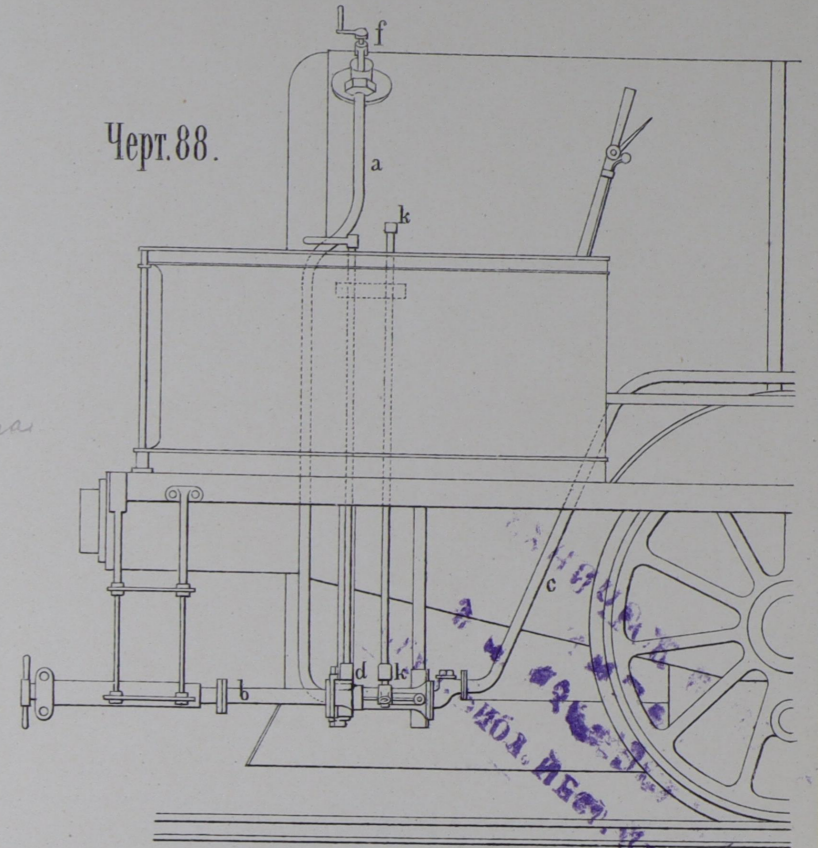


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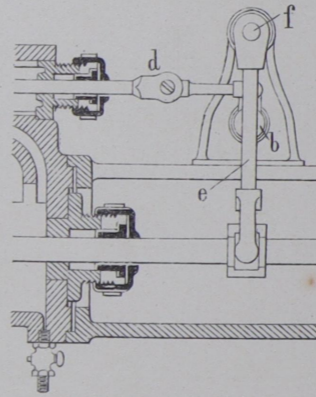


*Шердлера и
Бурдендера*

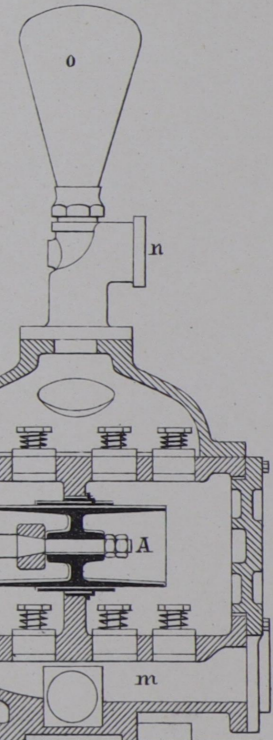
Черт. 88.



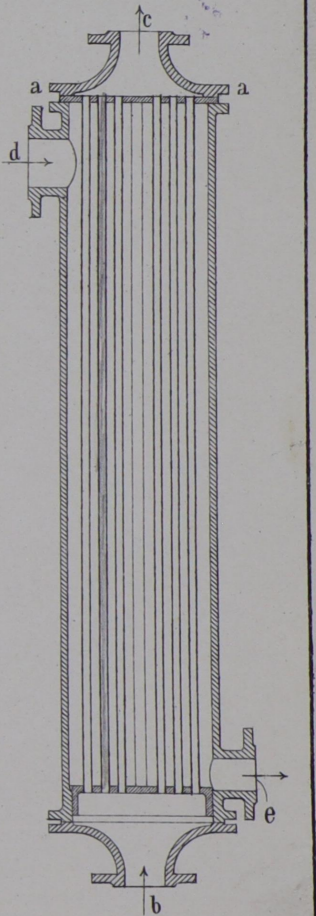
Черт. 83 б.



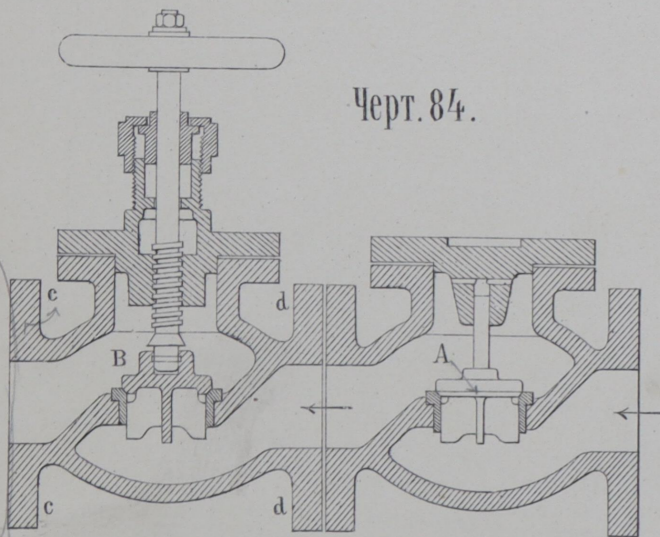
Черт. 83 а.



Черт. 84.



Черт. 84.



Черт. 85.

