

СБОРНИКЪ
ИНСТИТУТА ИНЖЕНЕРОВЪ ПУТЕЙ СООБЩЕНІЯ
Императора Александра I.

ВЫПУСКЪ XXXIX.

Атласъ изъ 46 листовъ чертежей.

Е. Г. Зброжекъ.

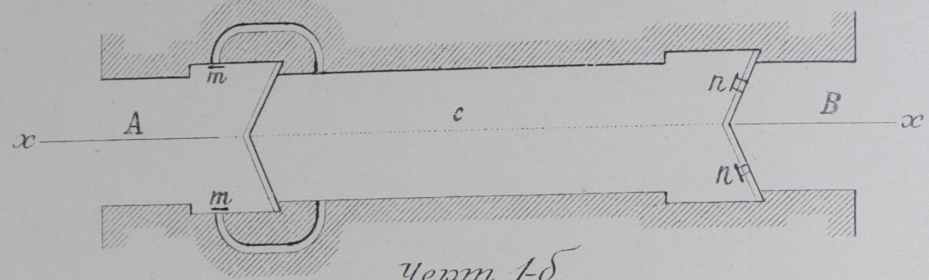
КУРСЪ
ВНУТРЕННИХЪ ВОДЯНЫХЪ СООБЩЕНІЙ.

Выпускъ IV.

38373

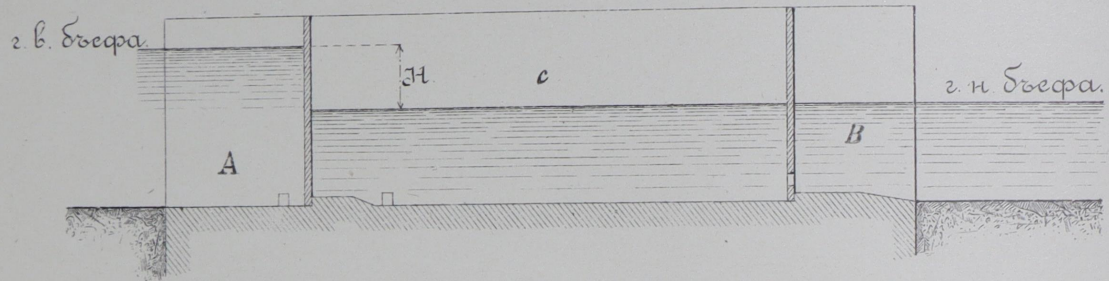
Черт. 1-а.

Схема плана.

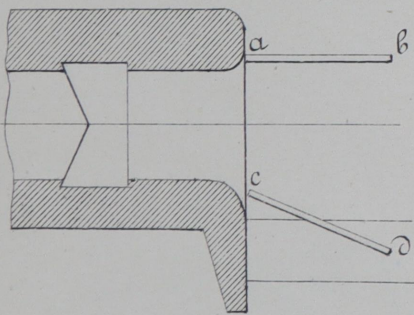


Черт. 1-б.

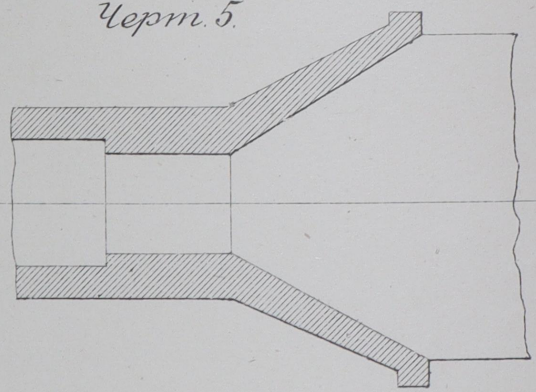
Схема разрыва по оси xx



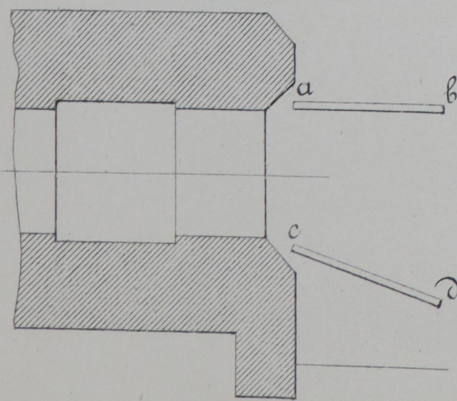
Черт. 8.



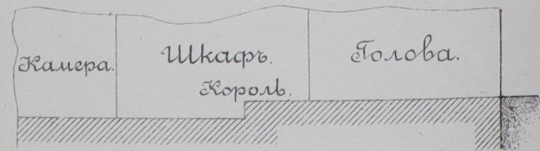
Черт. 5.



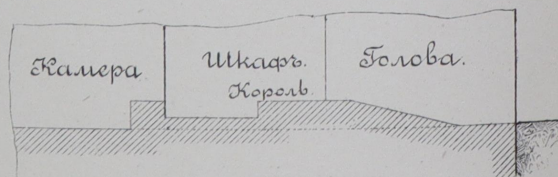
Черт. 9.



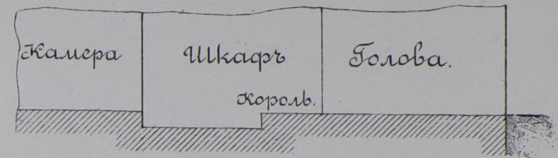
Черт. 11-а



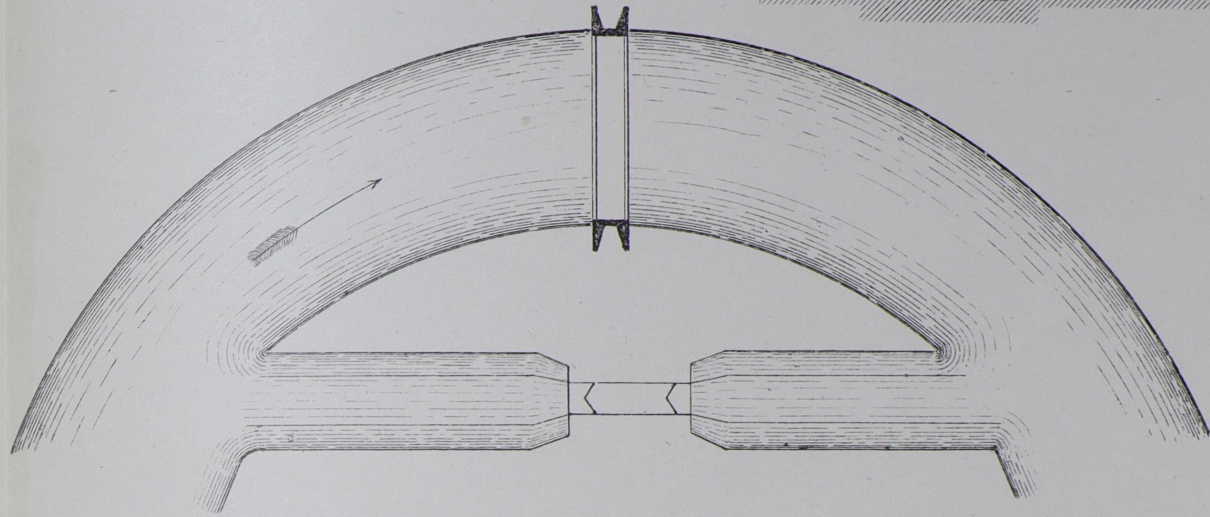
Черт. 11-б.



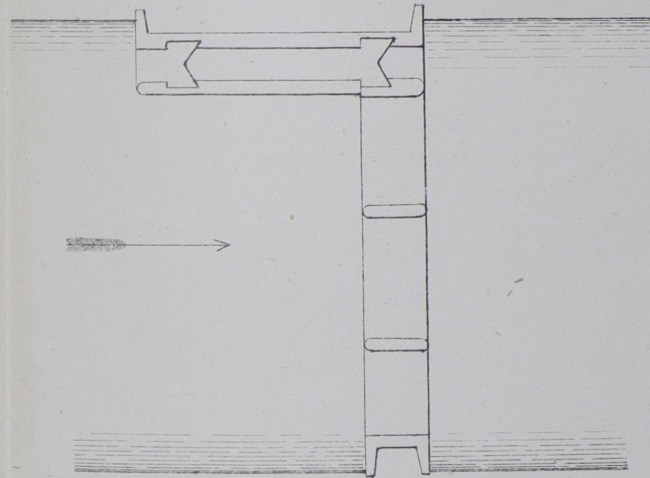
Черт. 10.



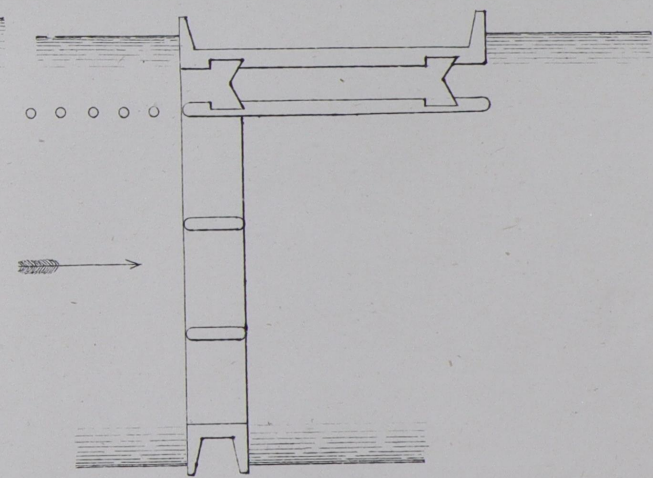
Черт. 2.



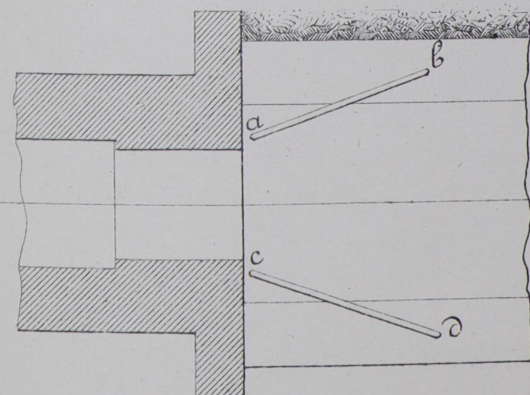
Черт. 3.



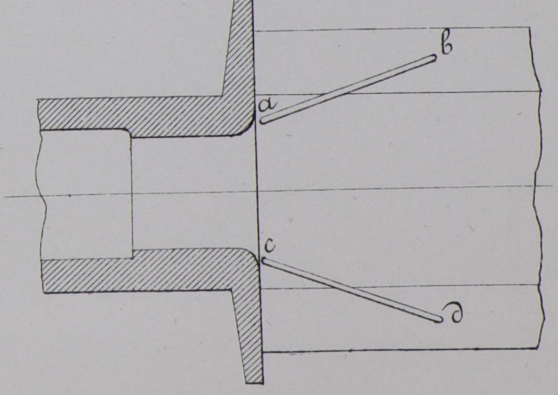
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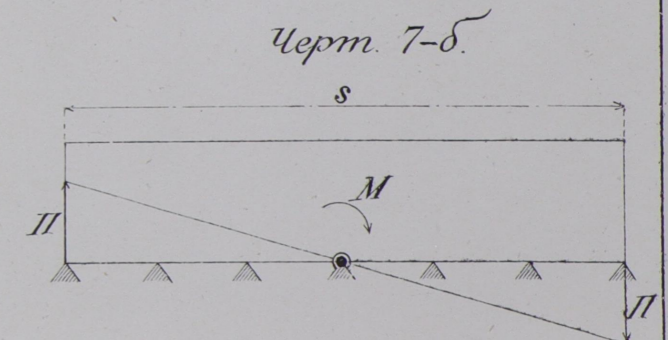
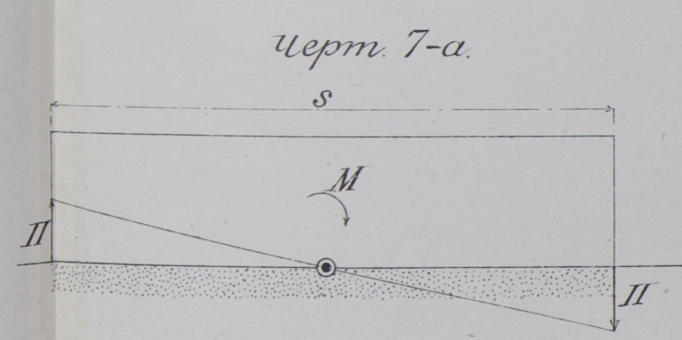
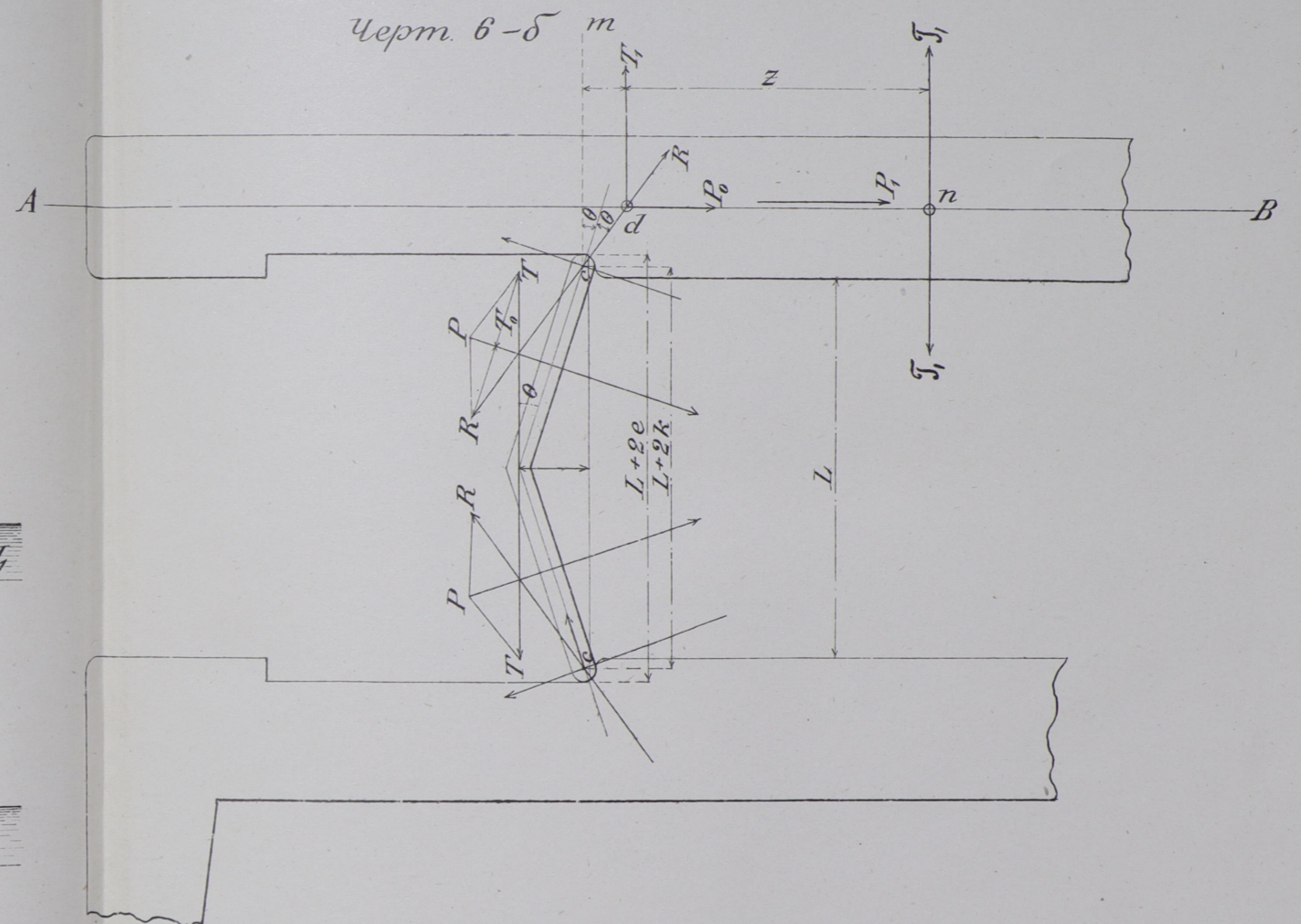
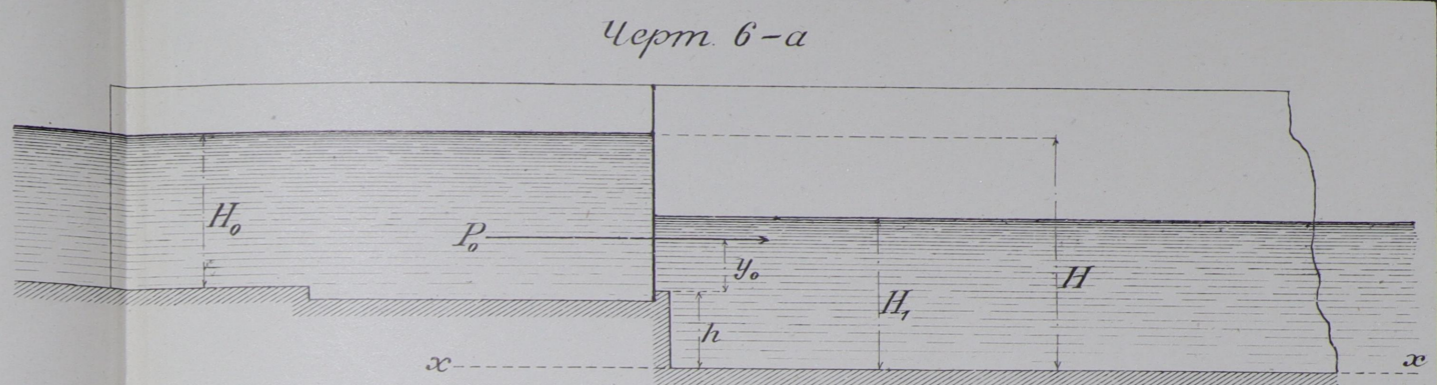
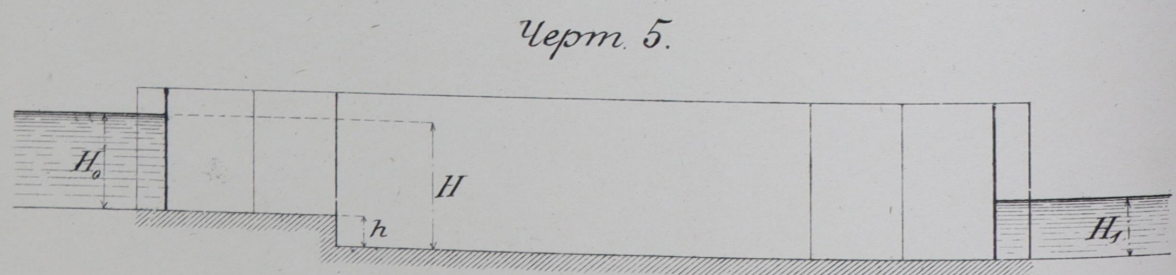
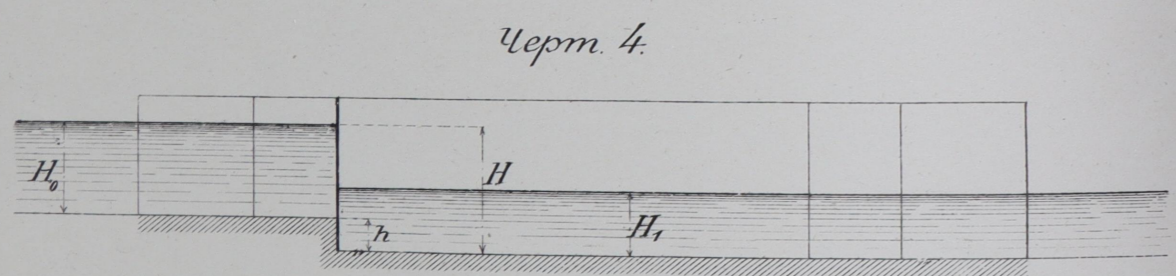
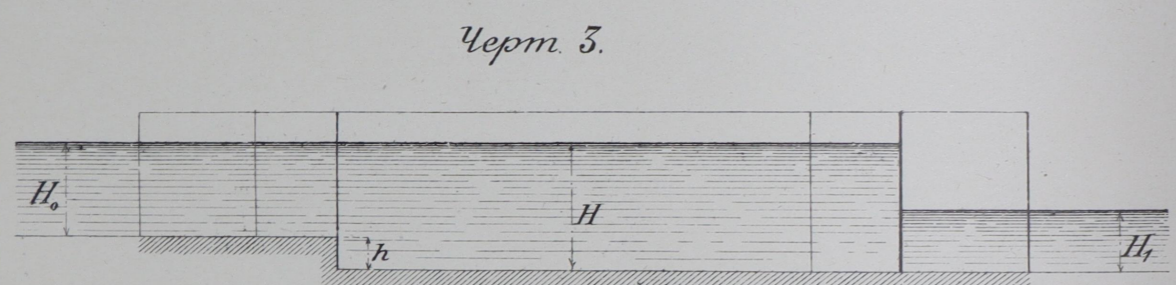
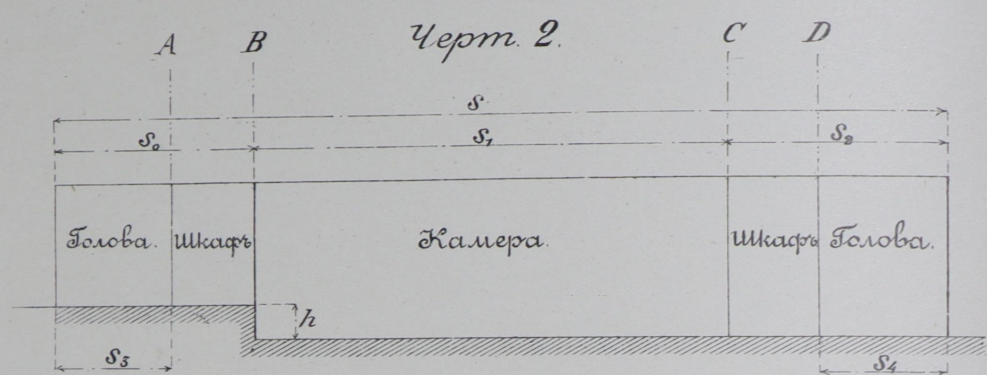
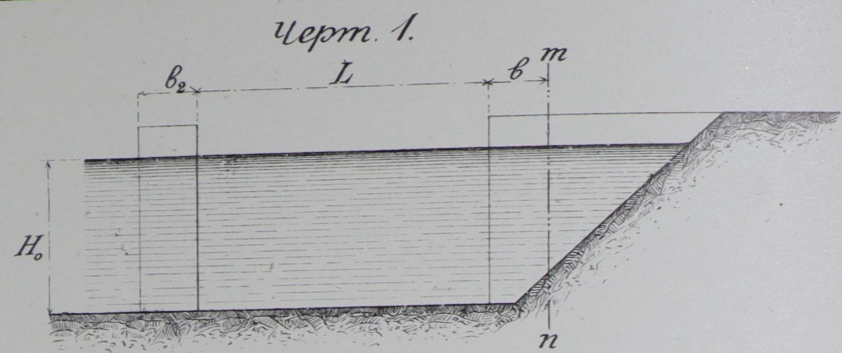


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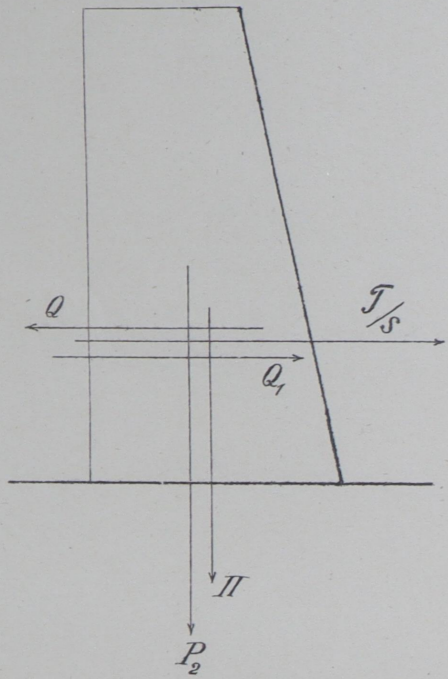


Черт. 7.

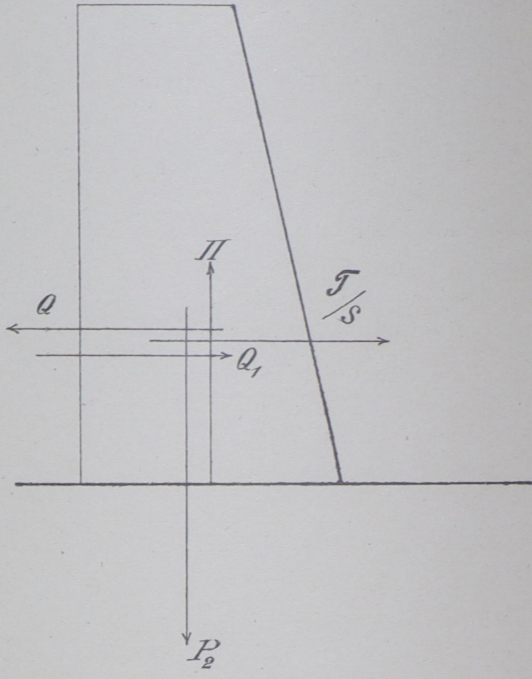




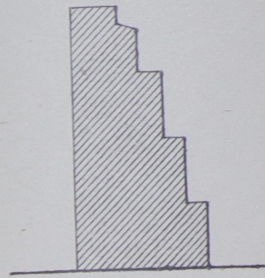
Черт. 1-а.



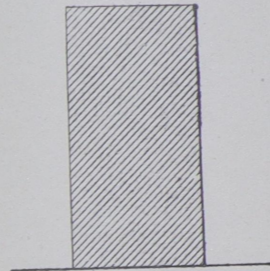
Черт. 1-б.



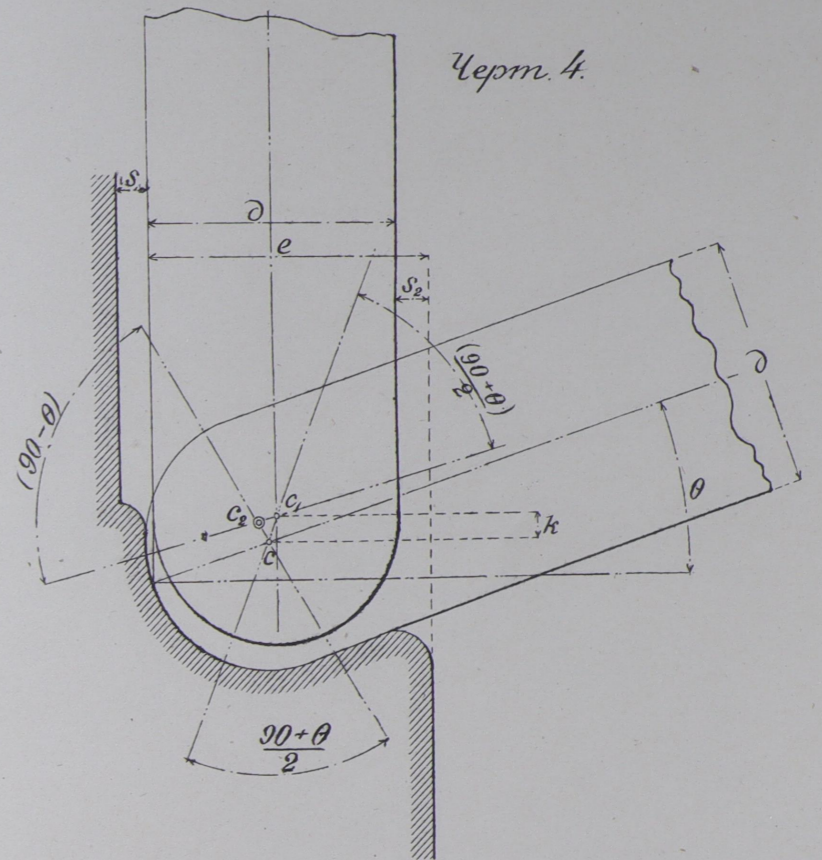
Черт. 2.



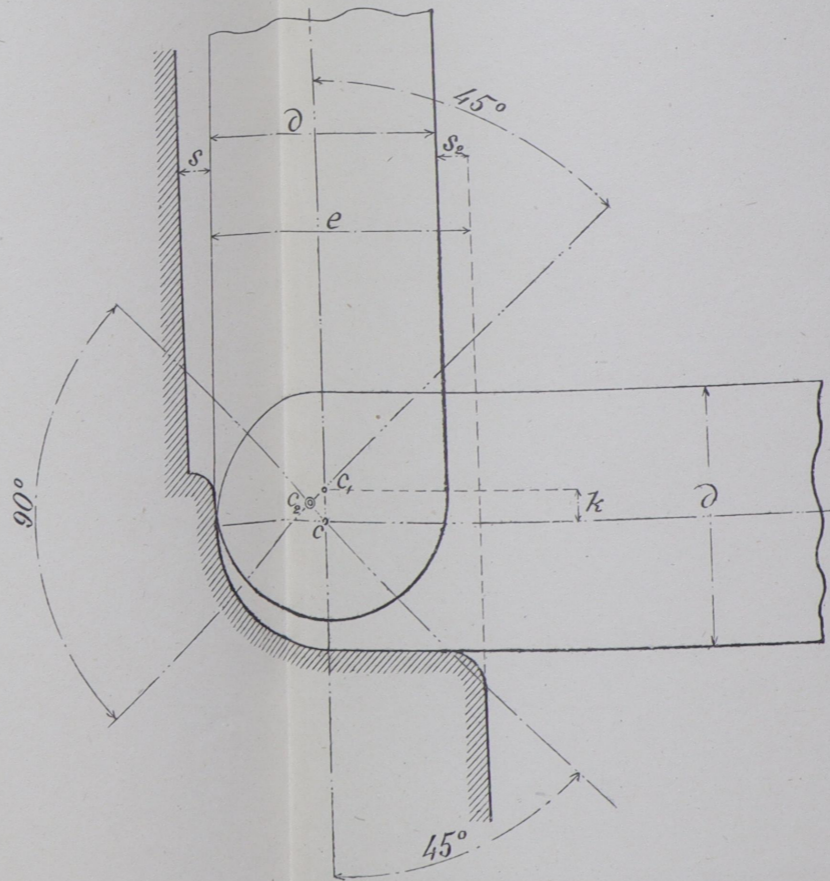
Черт. 3.



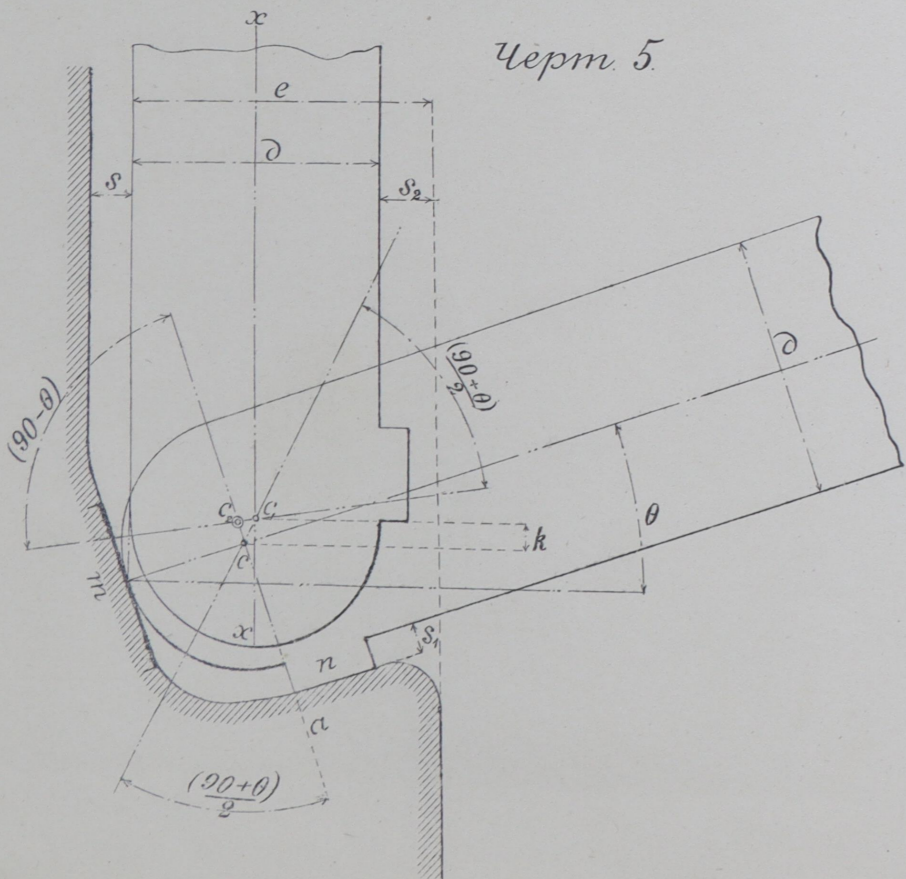
Черт. 4.



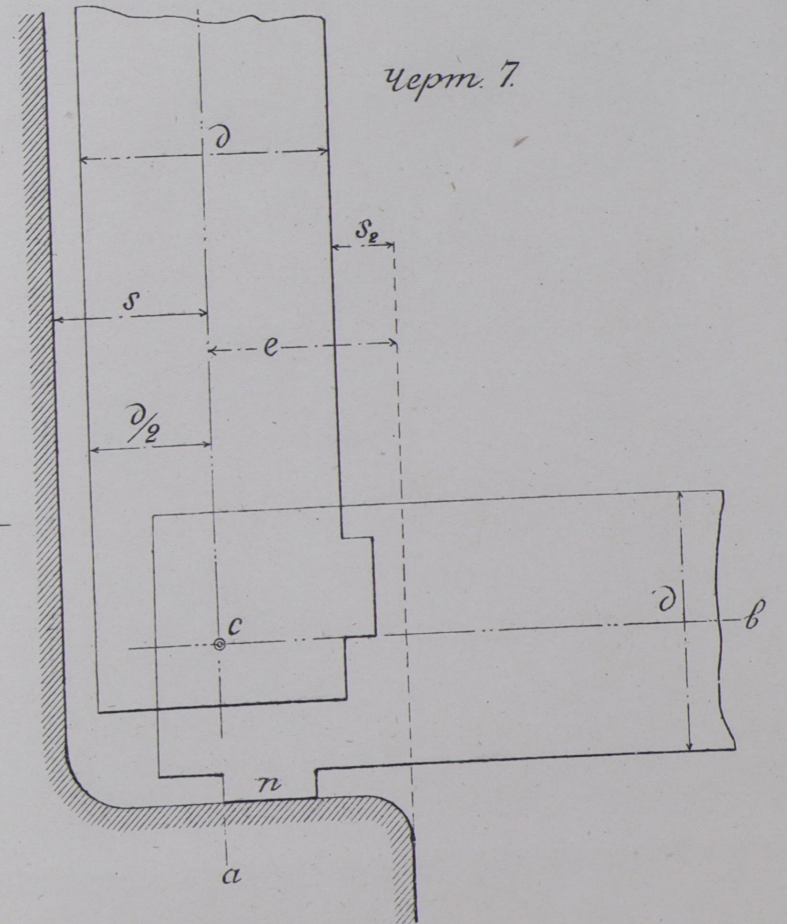
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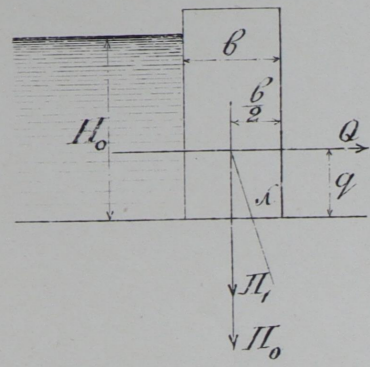
Черт. 5.



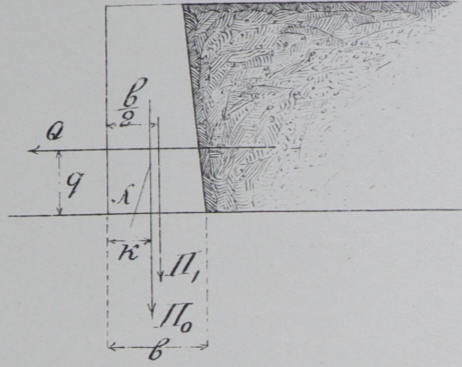
Черт. 7.



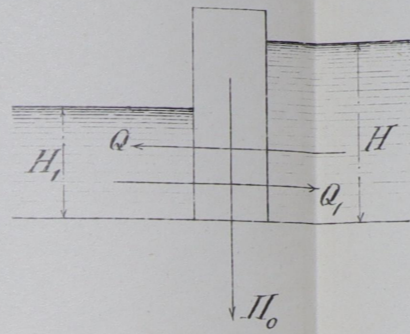
Черт. 2-а.



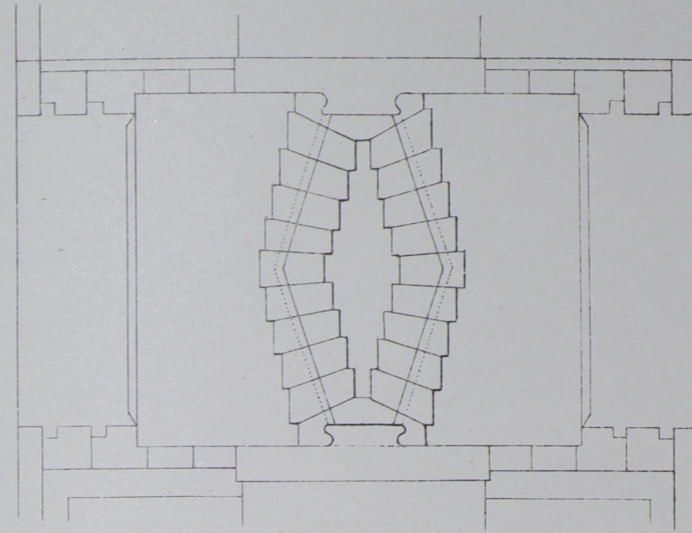
Черт. 2-б.



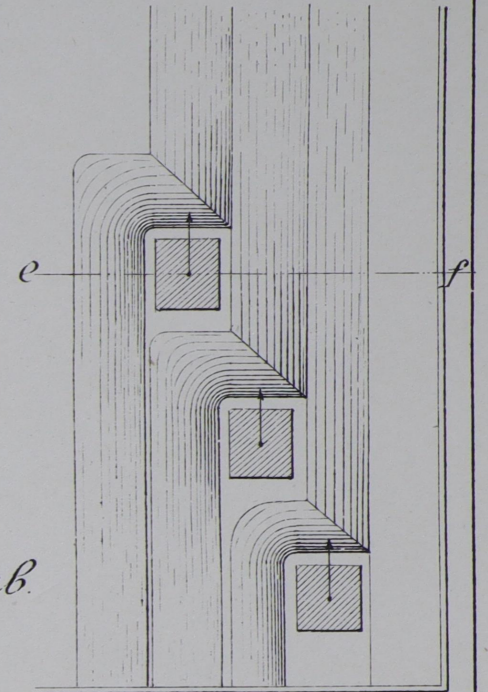
Черт. 3-в.



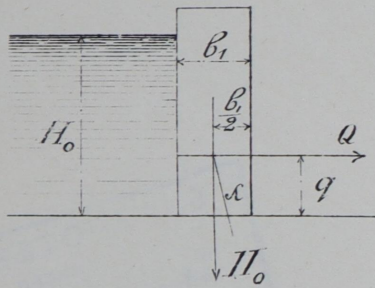
Черт. 1.



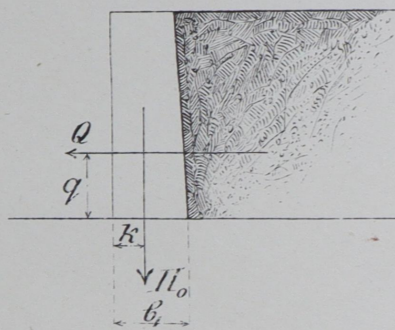
Черт. 6-А.



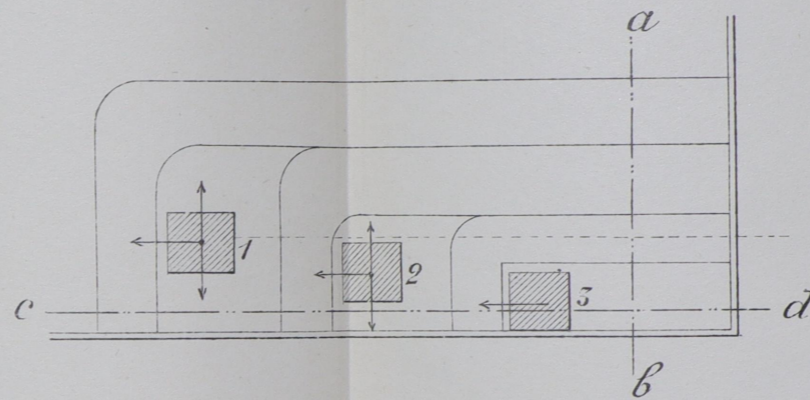
Черт. 3-а.



Черт. 3-б.

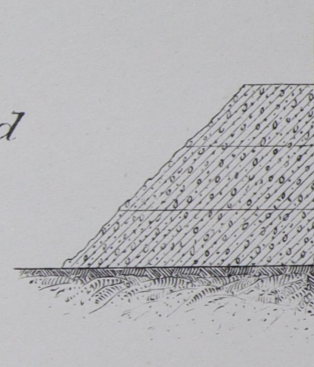


Черт. 5-А.

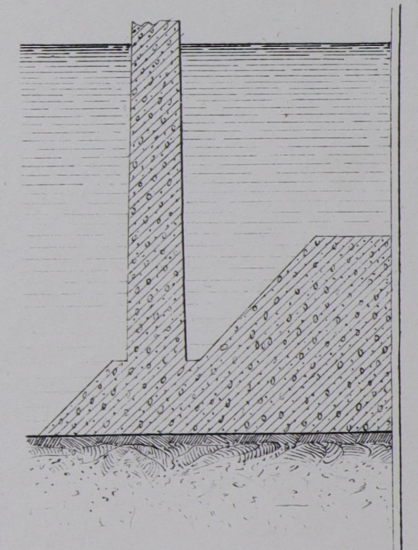


Черт. 5-В.

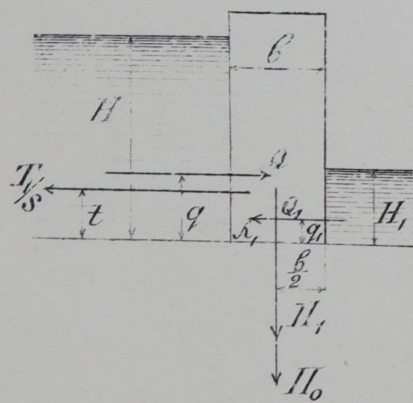
Разрѣзь по а в.



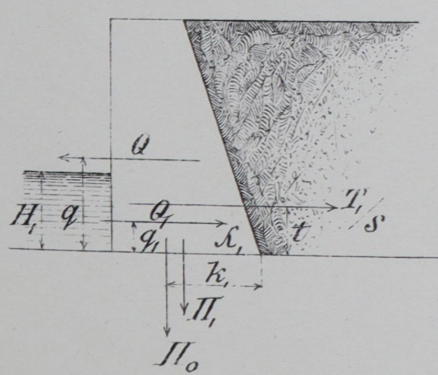
Черт. 6-В.
Разрѣзь по е ф.



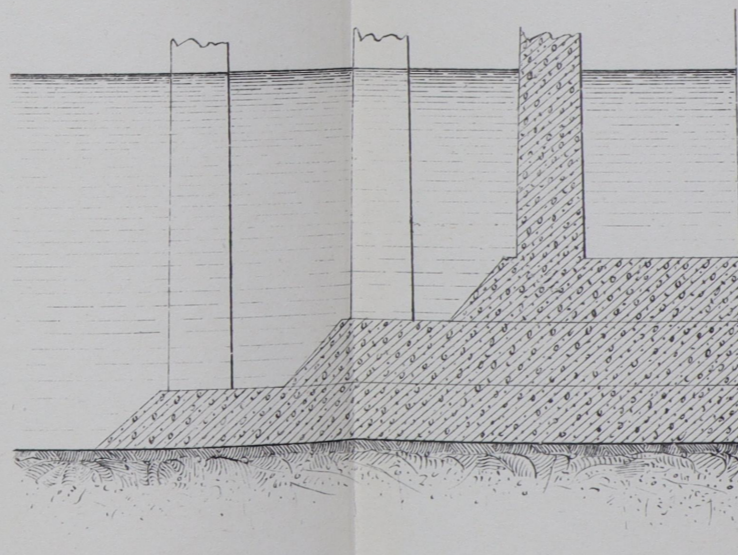
Черт. 4-а.



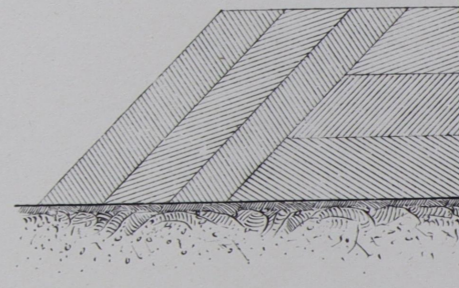
Черт. 4-б.

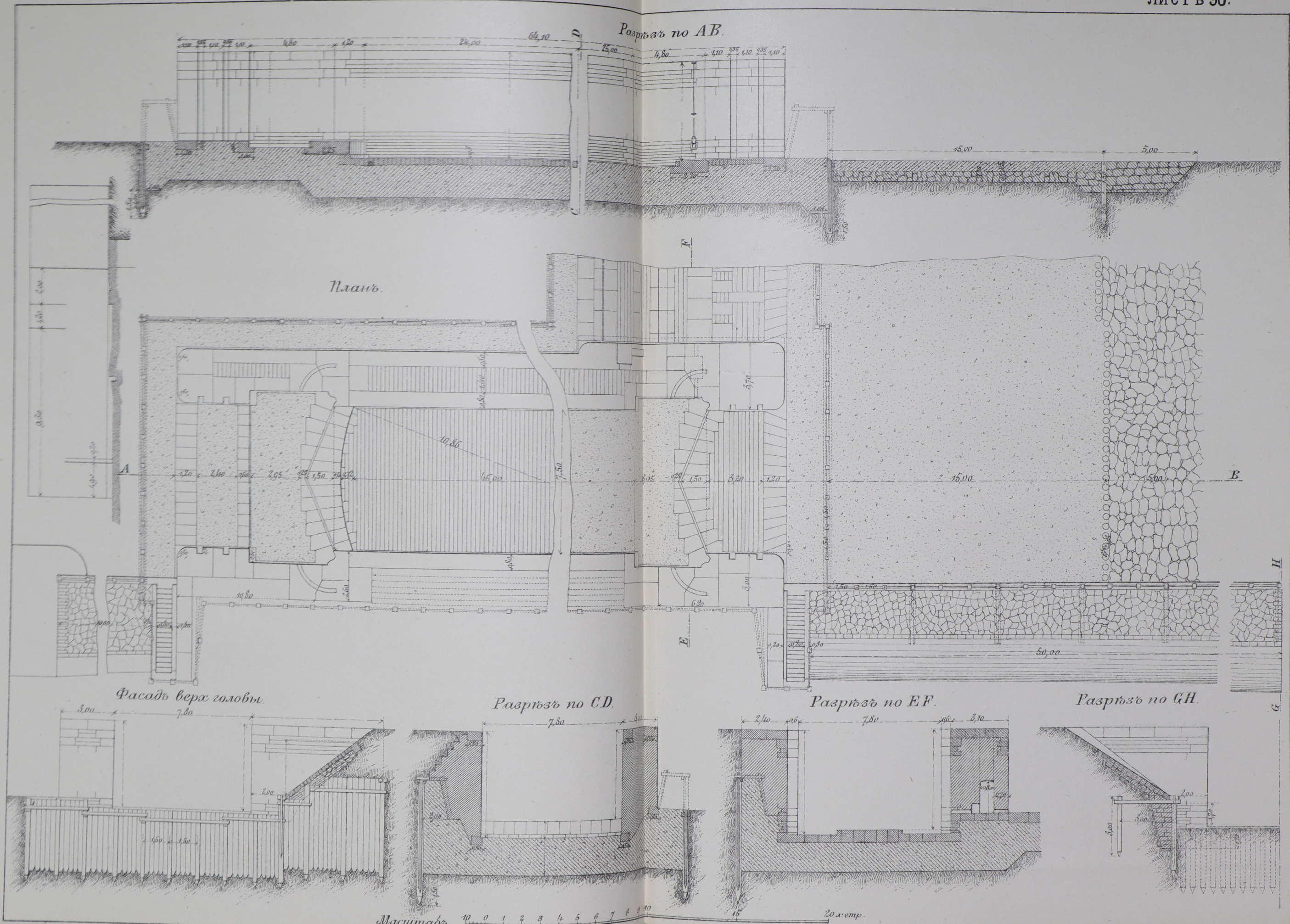


Черт. 5-С.
Разрѣзь по с д.

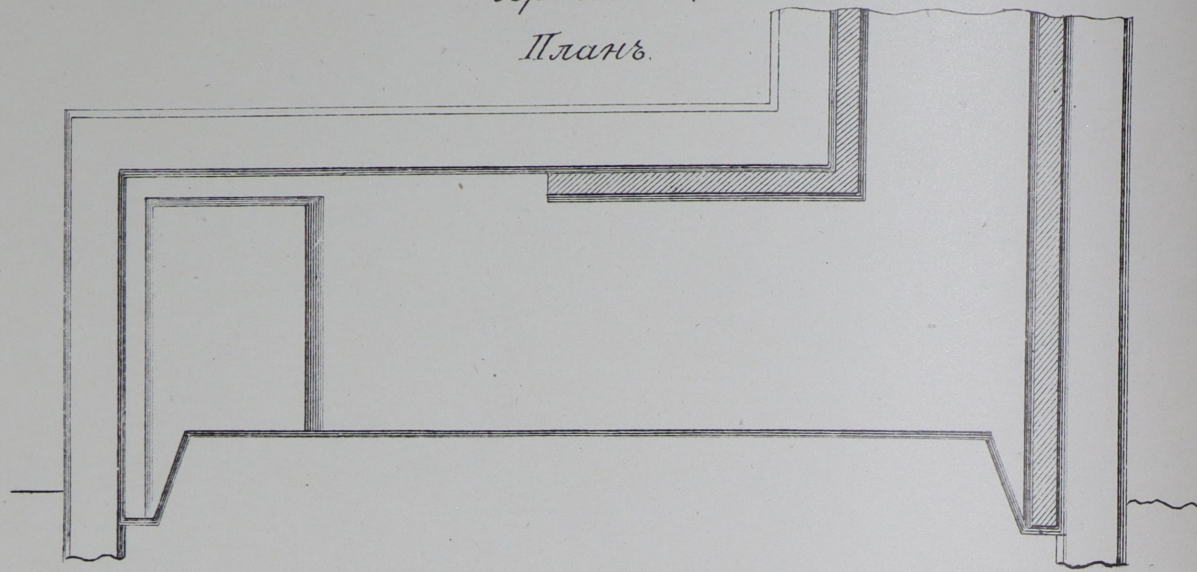


Черт. 7.

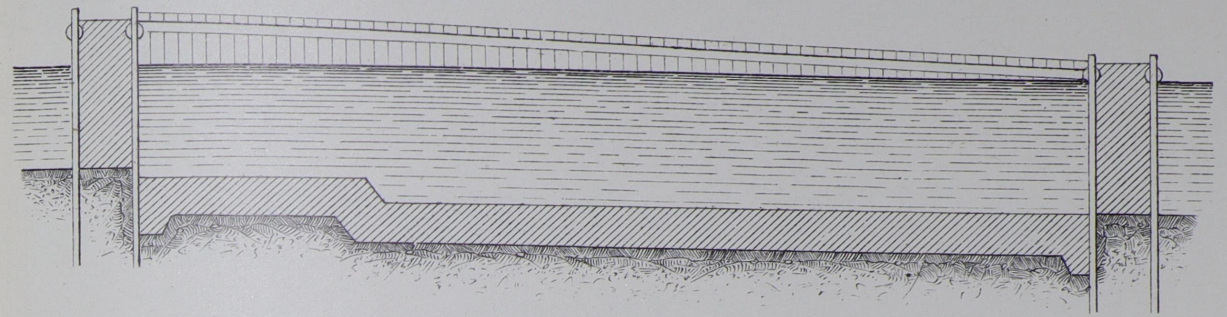




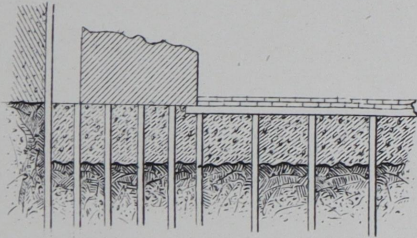
Черт. 1-а.
Планъ.



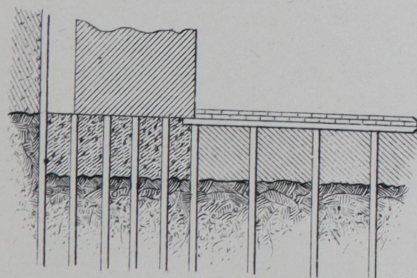
Черт. 1-б.
Продольный разръзъ.



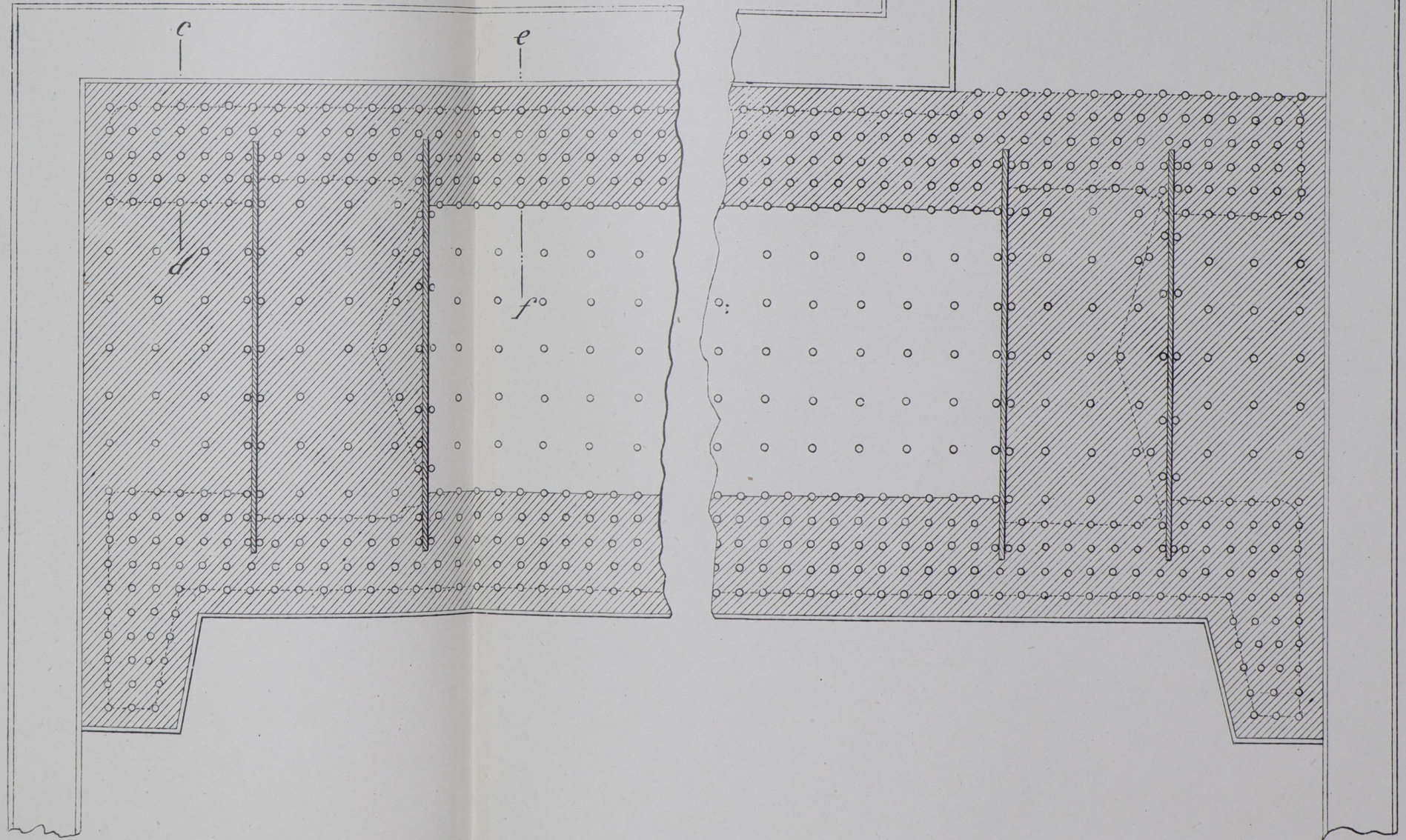
Черт. 2-б.
Разръзъ по сд.



Черт. 2-в.
Разръзъ по ef.

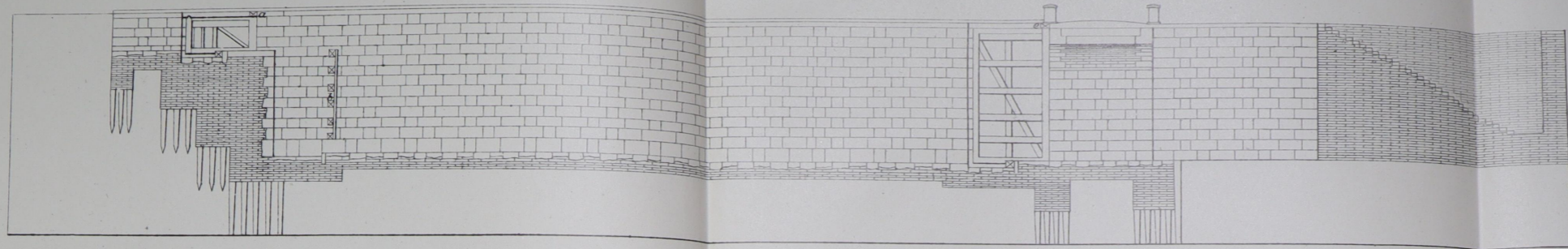


Черт. 2-а.
Планъ.

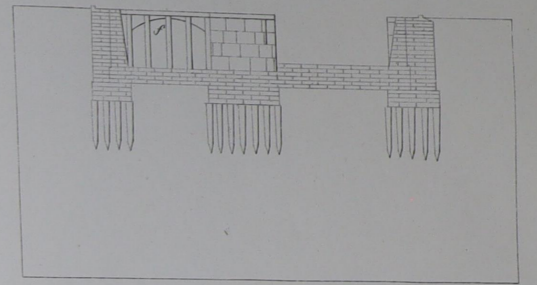


Шлюзъ шлюза на Павийскомъ каналѣ.

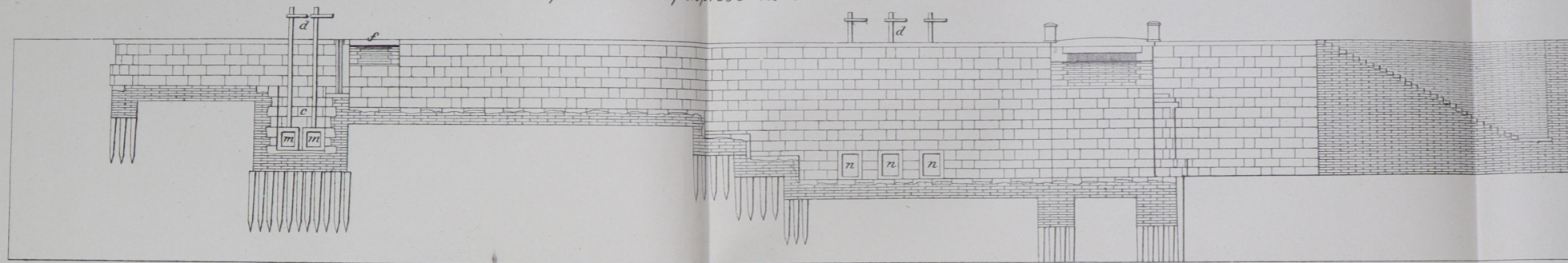
Продольный разрезъ по линіи АВ.



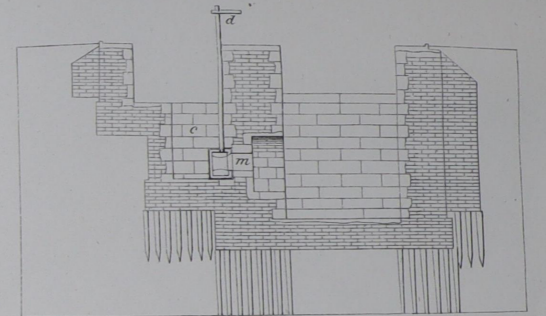
Поперечный разрезъ по линіи ЕК.



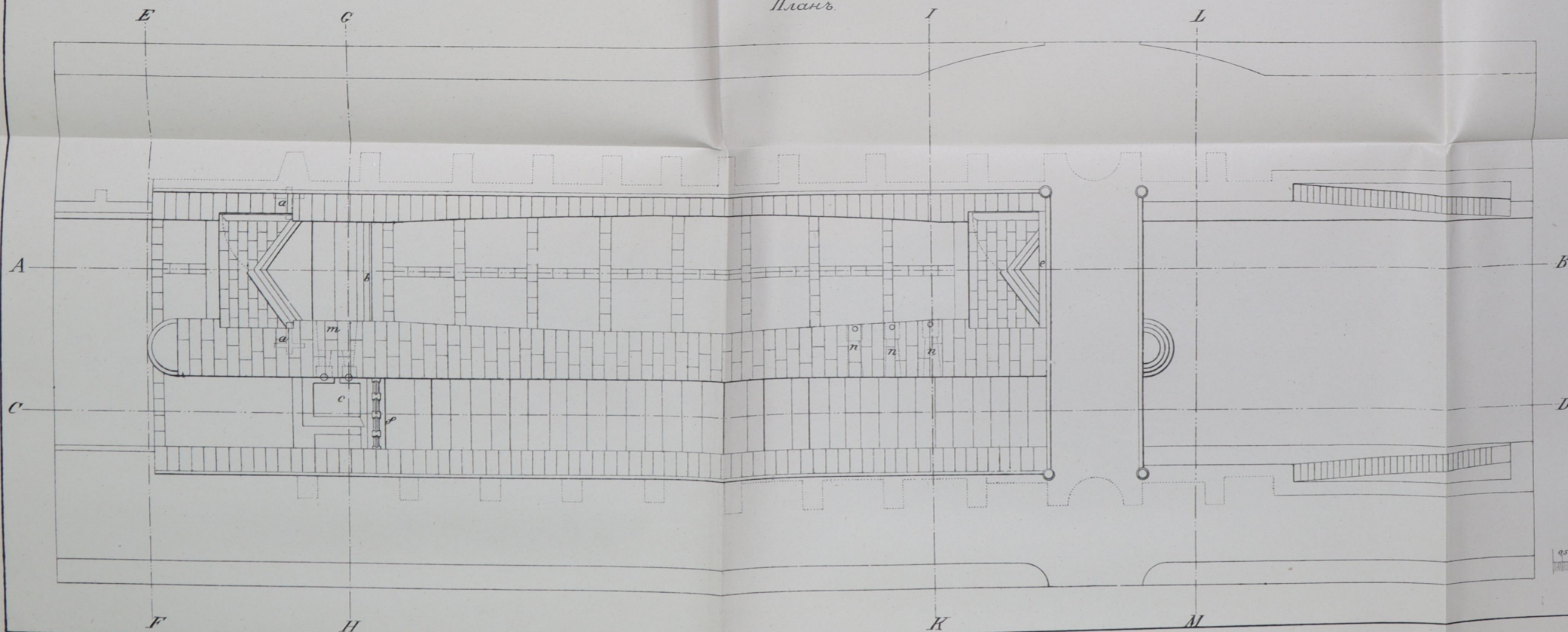
Продольный разрезъ по линіи CD.



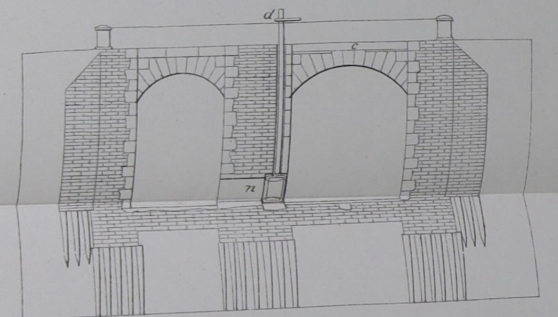
Поперечный разрезъ по линіи СН.



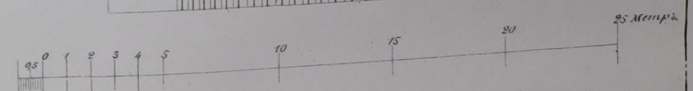
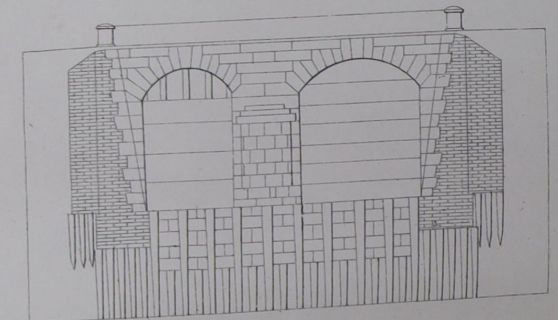
Планъ



Поперечный разрезъ по линіи ІК.

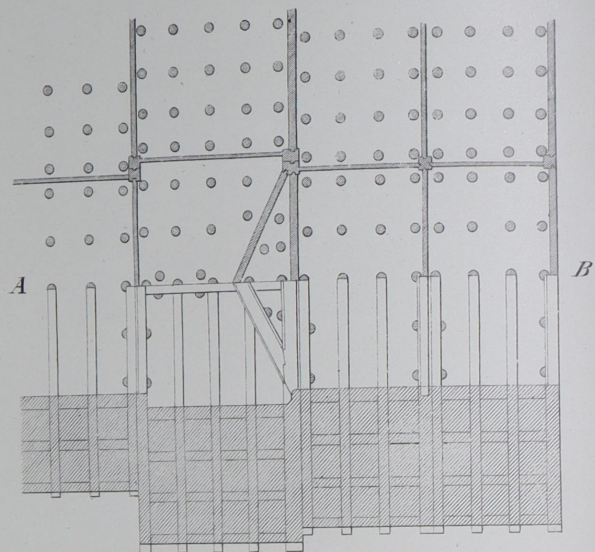


Поперечный разрезъ по линіи LM.

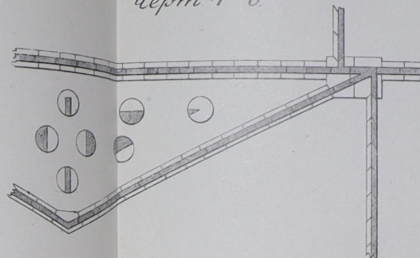


Черт 1-а

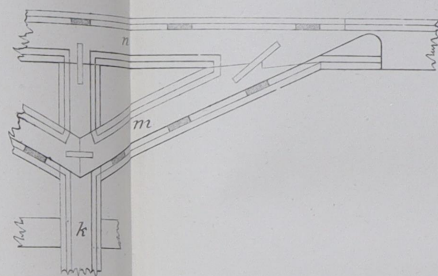
Планъ.



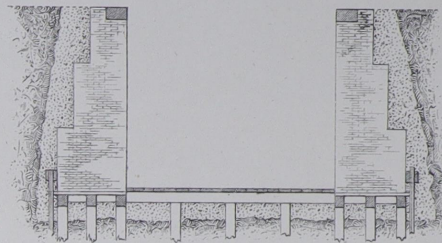
Черт 1-в



Черт 1-г

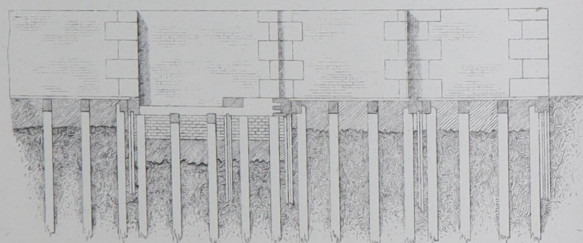


Черт 3.

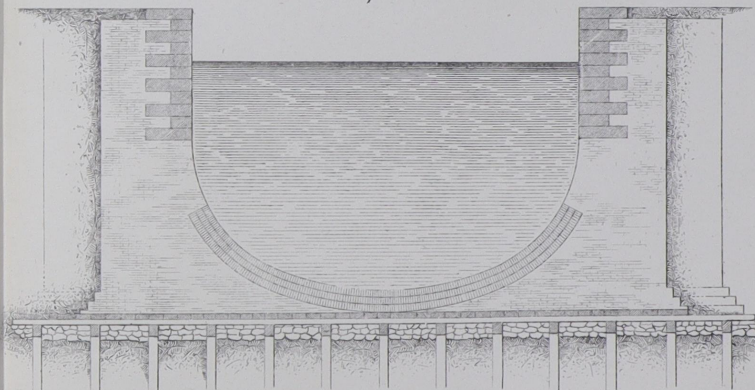


Черт 1-б.

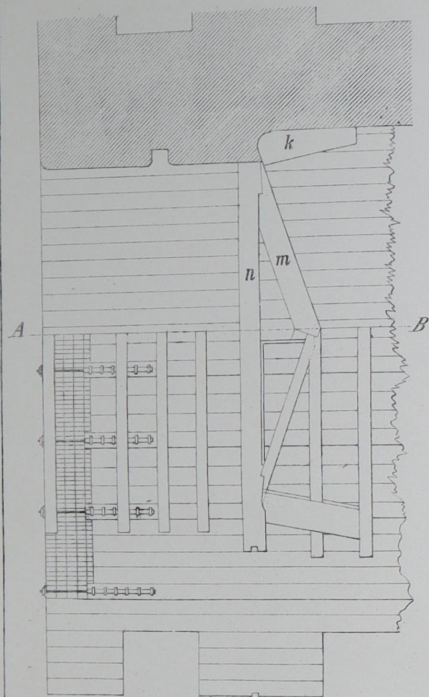
Разрѣзъ по АВ.



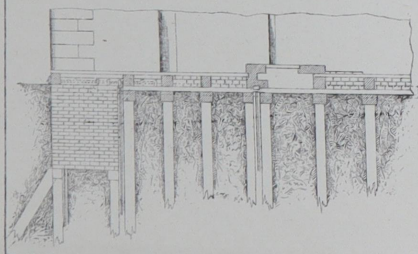
Черт. 2



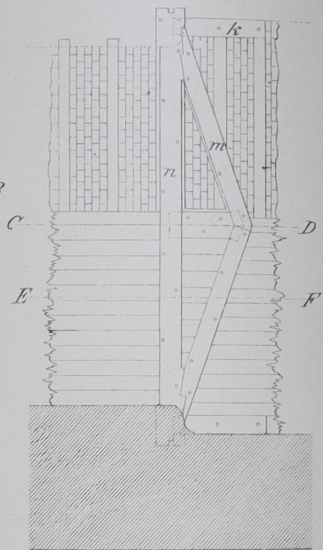
Черт 1-а
Планъ.



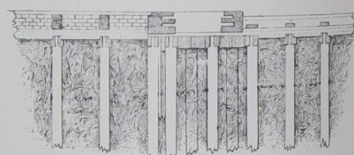
Черт 1-б
Разрѣзь по АВ



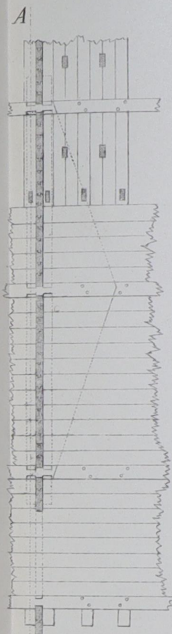
Черт 2-а.
Планъ.



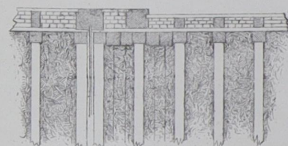
Черт 2-г.
Разрѣзь по CD



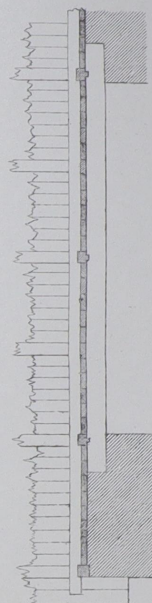
Черт 2-б.
Планъ.



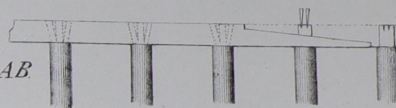
Черт 2-д.
Разрѣзь по EF



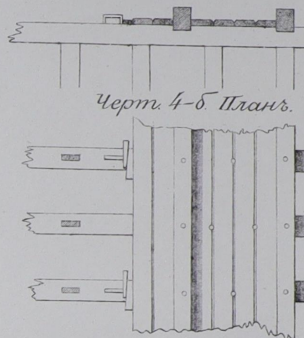
Черт 2-в.
Разрѣзь по АВ



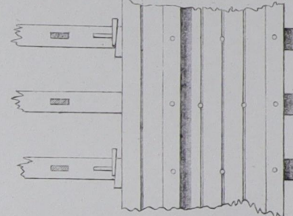
Черт 3



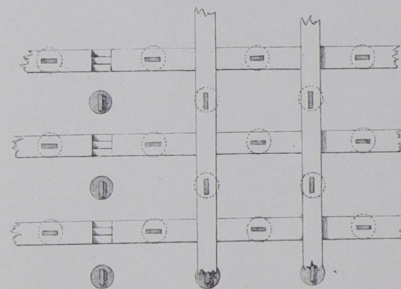
Черт 4-а
Разрѣзь.



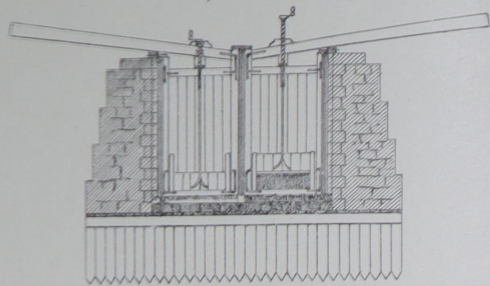
Черт 4-б Планъ.



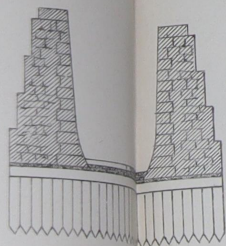
Черт 5



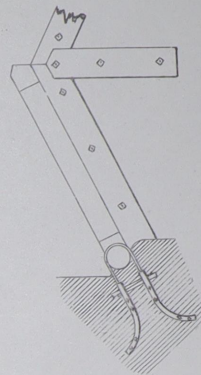
Поперечный разрезъ по А.Б.
Черт. 1-в.



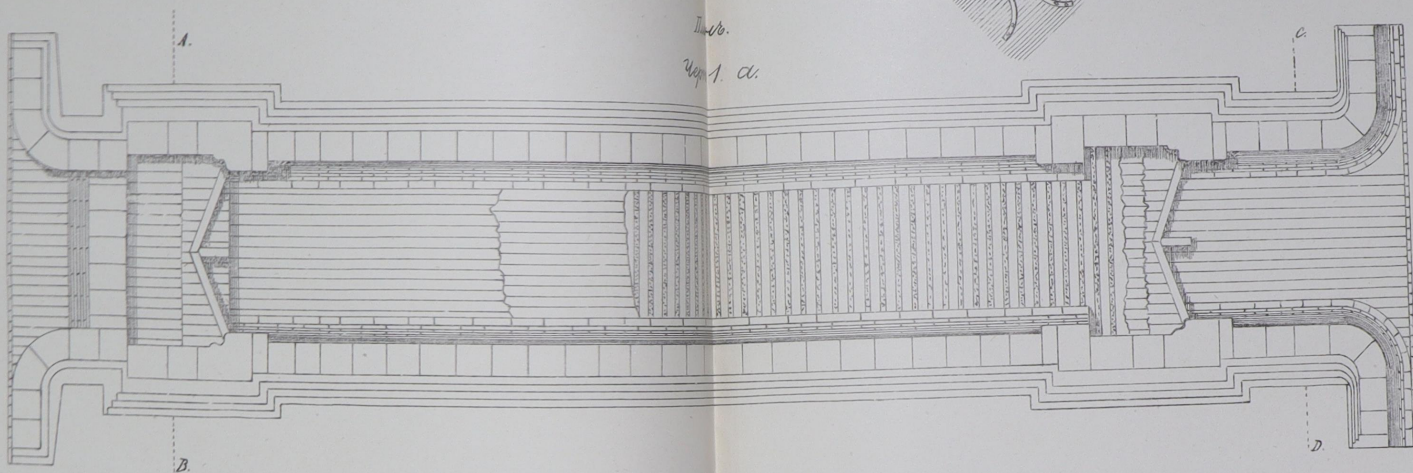
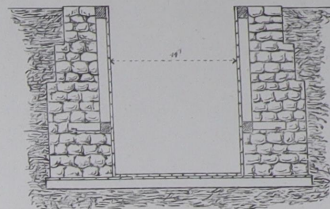
Разрезъ С.Д.
Черт.



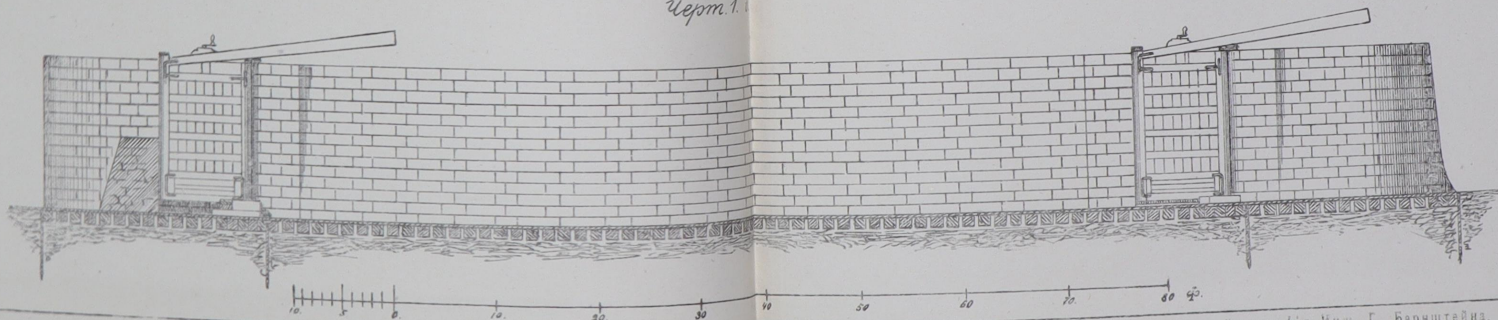
Черт. 1. 2



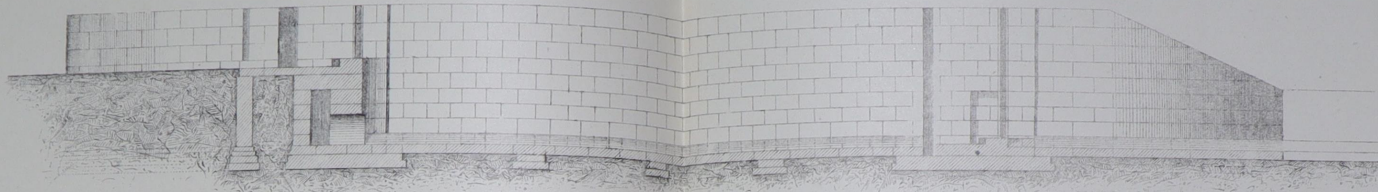
Черт. 2.



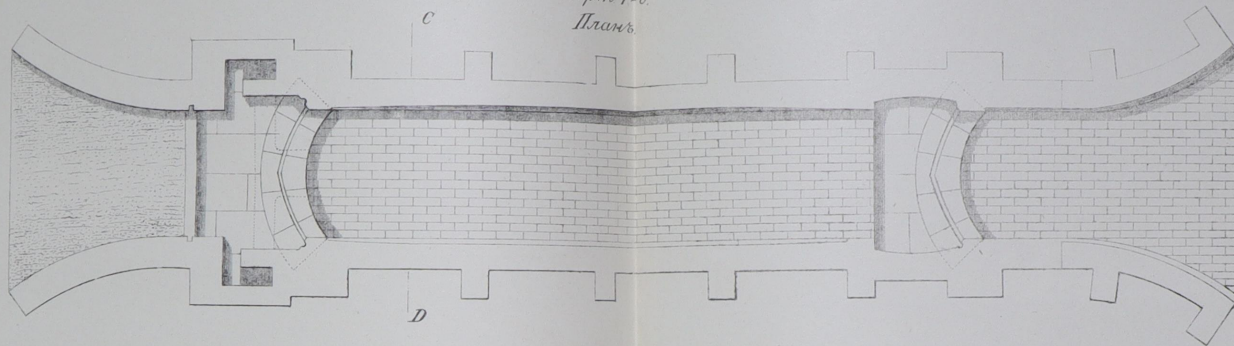
Продольный разрезъ.
Черт. 1. а.



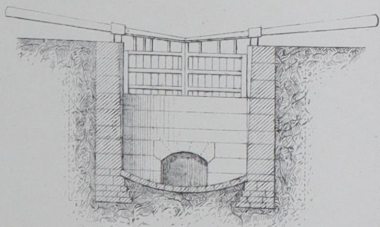
Черт. 1-а.
Продольный разръзъ.



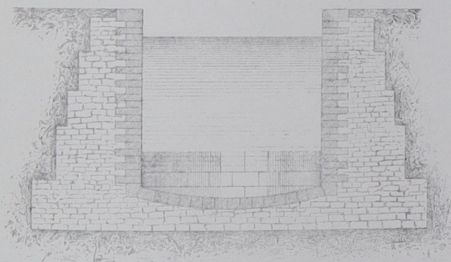
Черт. 1-б.
Планъ.



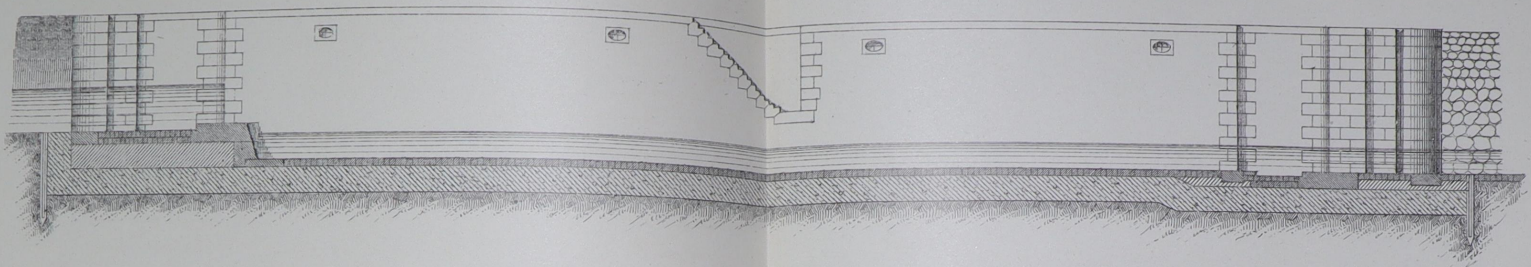
Черт. 1-в.
Разръзъ по CD.



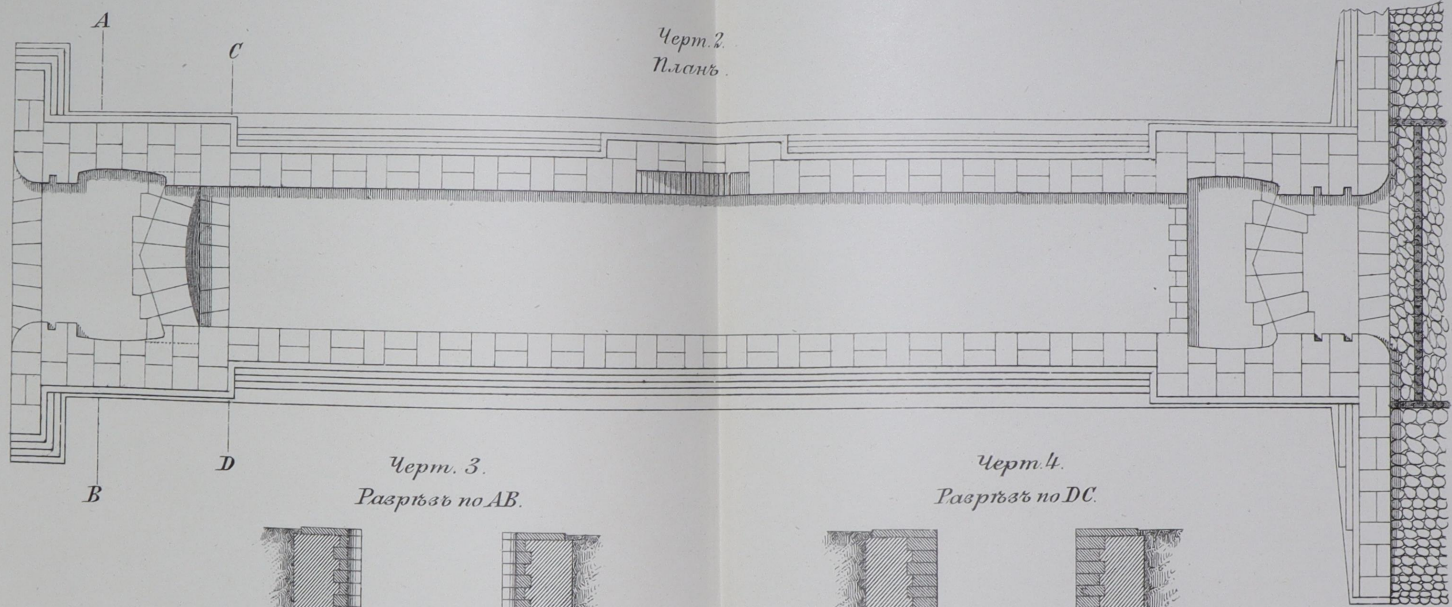
Черт. 2



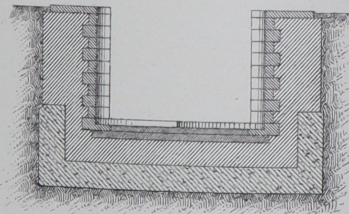
Черт. 1.
Продольный разръзъ.



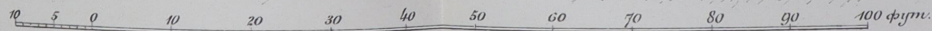
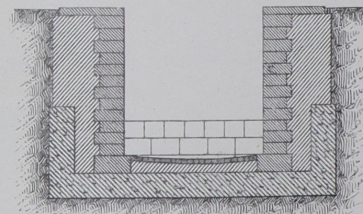
Черт. 2.
Планъ.

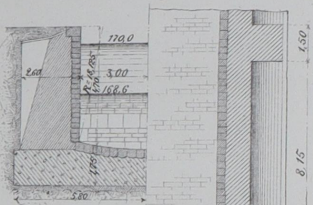
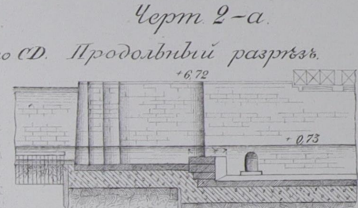
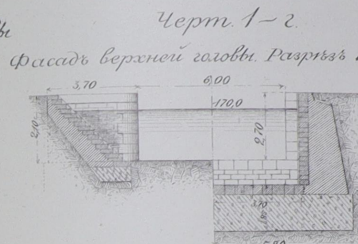
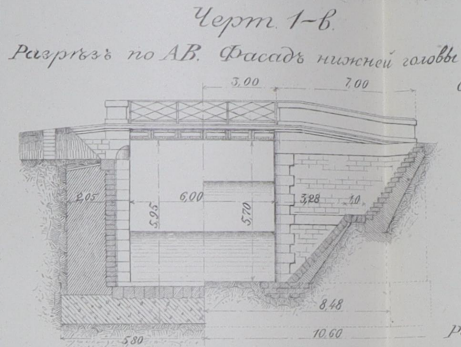
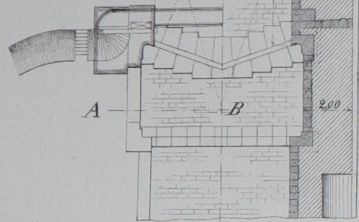
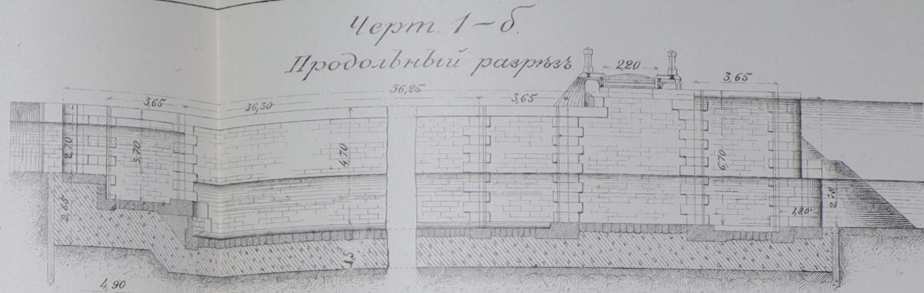
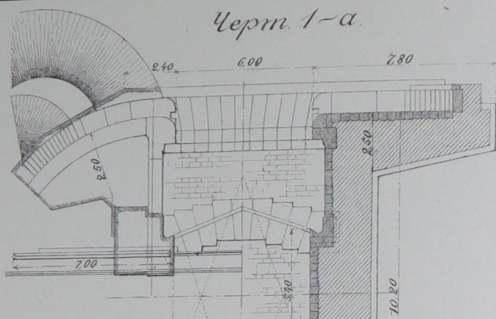


Черт. 3.
Разръзъ по АВ.

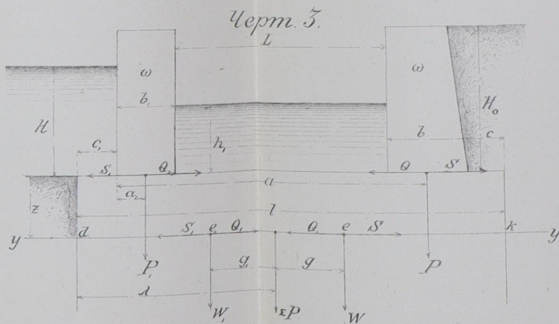
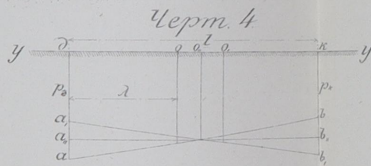
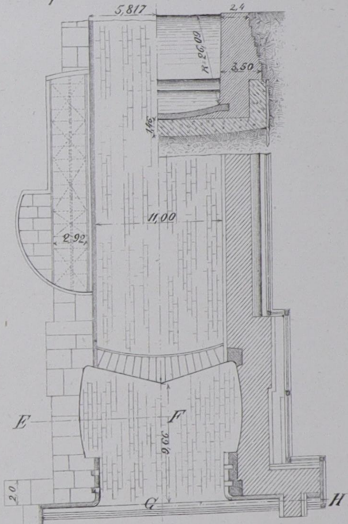


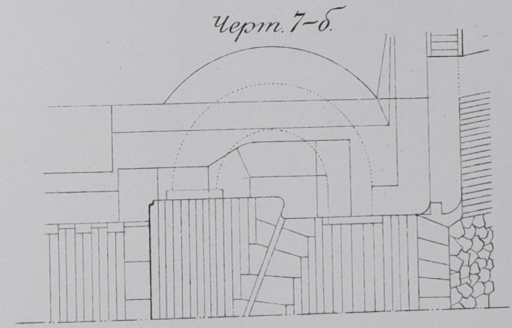
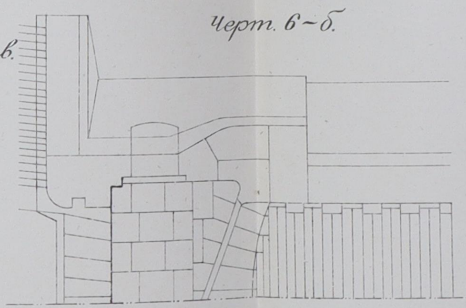
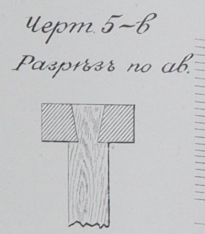
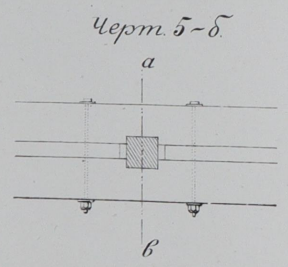
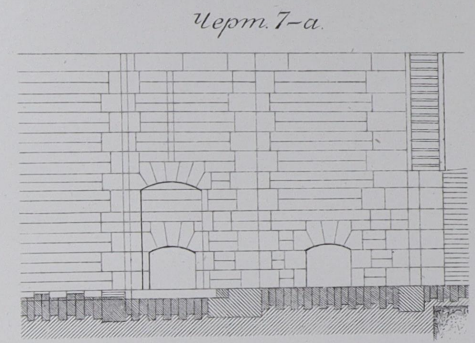
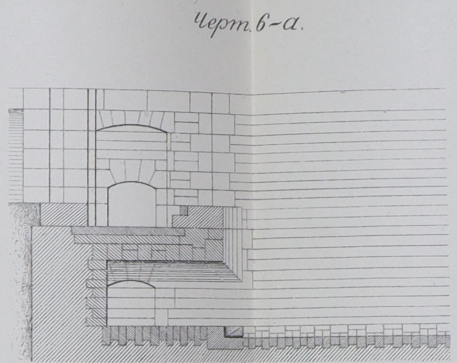
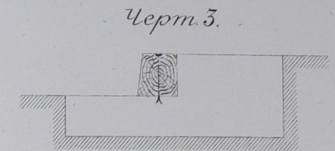
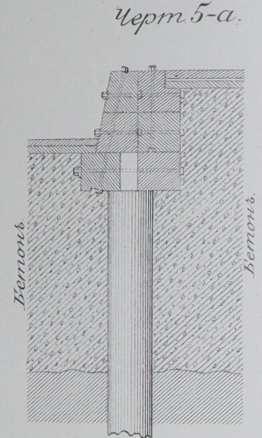
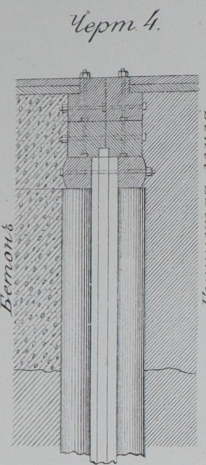
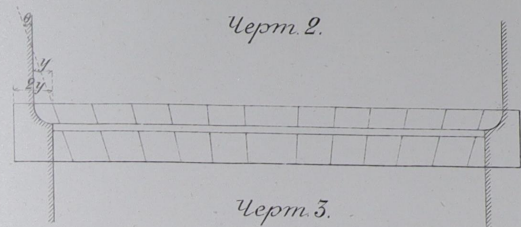
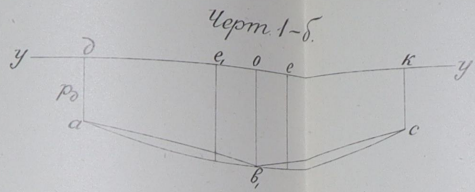
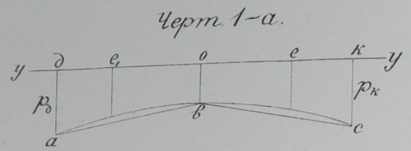
Черт. 4.
Разръзъ по DC.



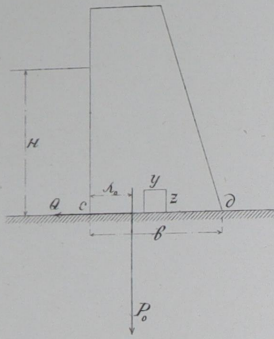


Черт. 2-г. Черт. 2-д.

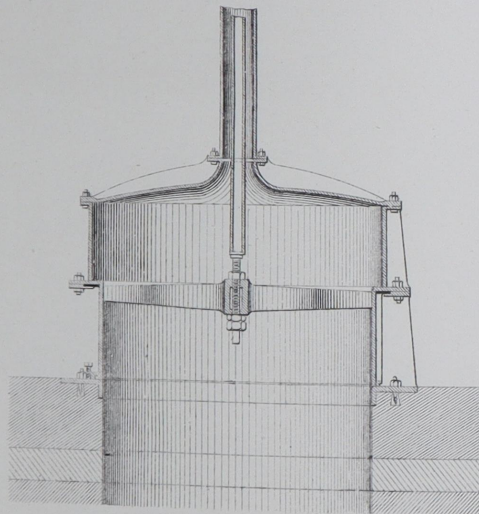




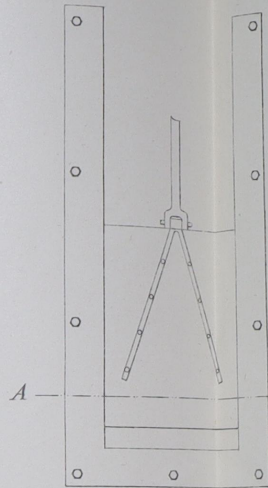
Черт 1.



Черт 5-а.

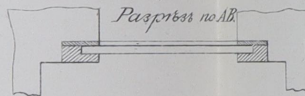


Черт 2-а.
Фасадъ.

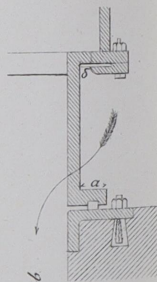


Черт 2-б.

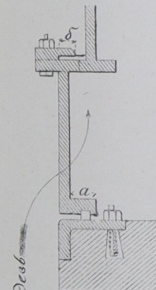
Разрѣзь по АВ.



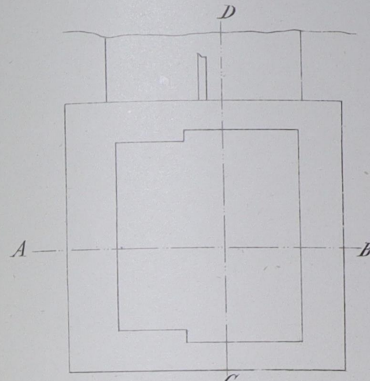
Черт 6.



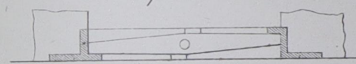
Черт 7.



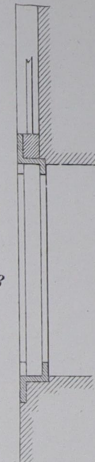
Черт 3-а.
Фасадъ.



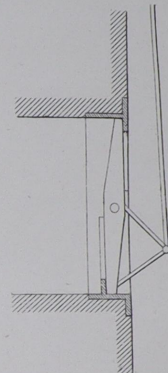
Черт 3-б.
Разрѣзь по АВ.



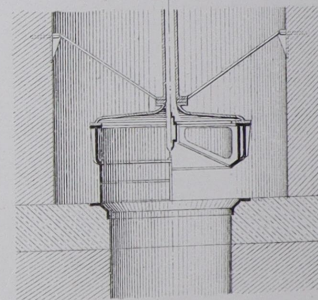
Черт 3-в.
Разрѣзь по CD.



Черт 4.

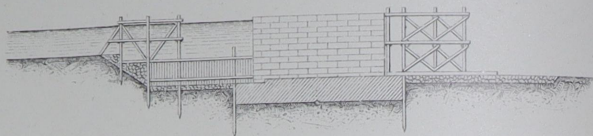


Черт 5-б.

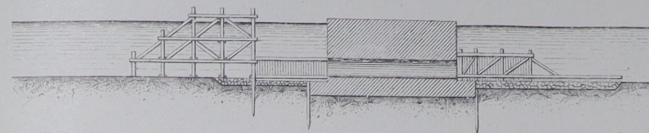


Перервинскій шлюзъ на р Москвѣ.

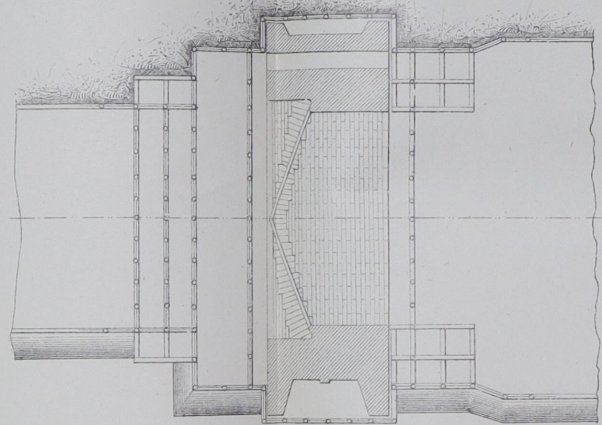
Продольный разръзъ верхней головки шлюза по оси камеръ.



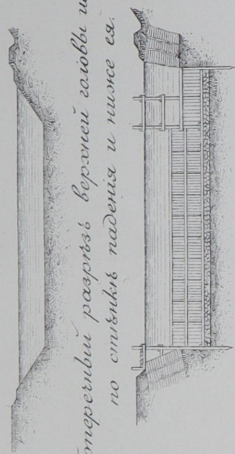
Продольный разръзъ нижней головки шлюза по оси камеръ.



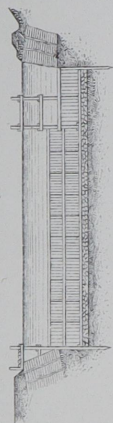
Планъ верхней головки шлюза.



Поперечный проръзъ воднаго канала у ствѣтки паденія.



Поперечный разръзъ верхней головки шлюза по ствѣлкѣ паденія и ниже ея.



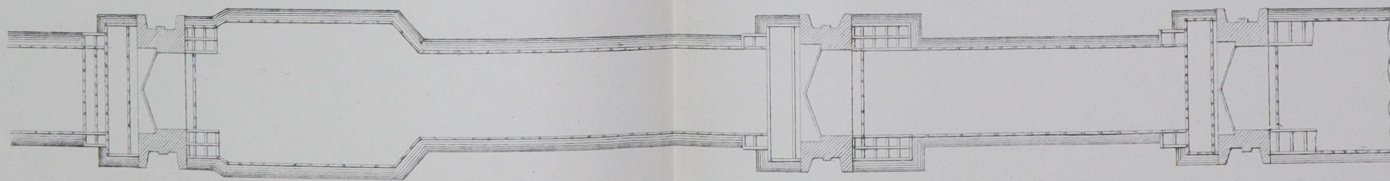
Поперечный разръзъ верхней головки шлюза выше и нижеа устоа и по правому.



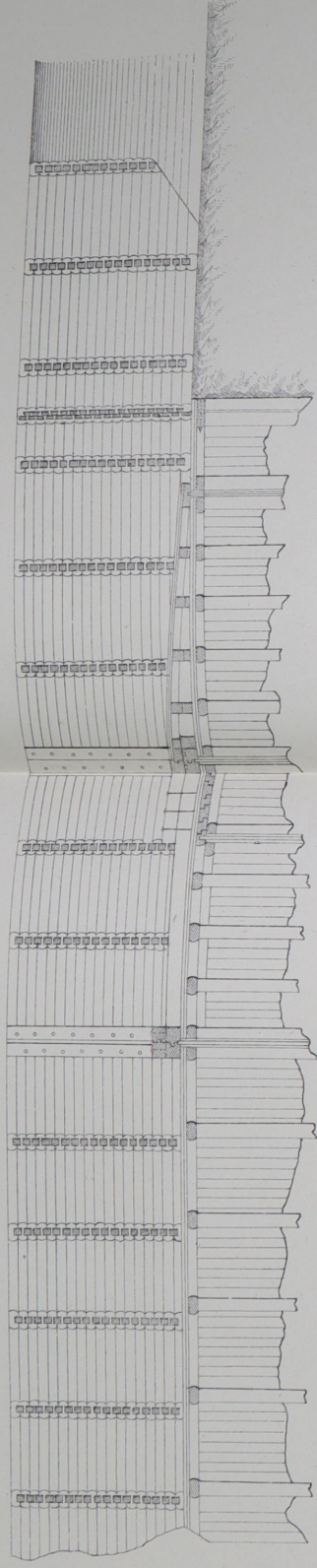
Поперечный разръзъ шлюзной камеръ.



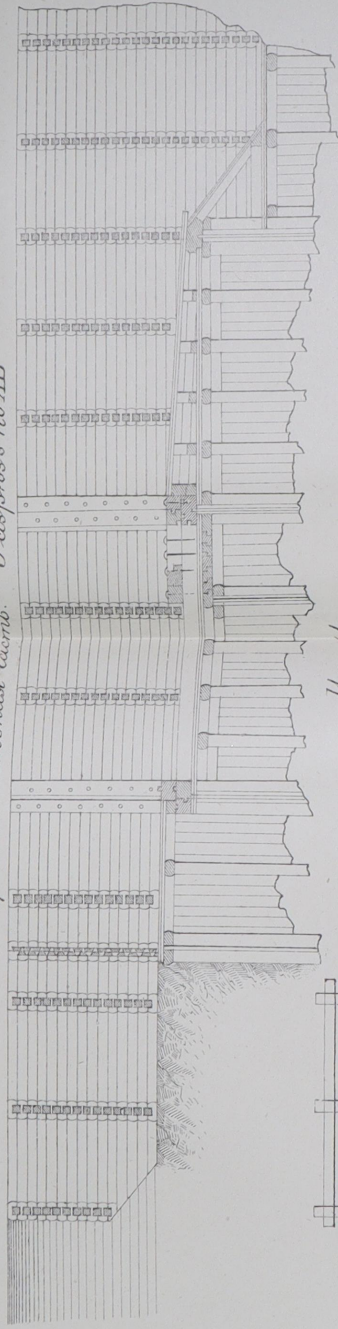
Планъ шлюзной камеръ.



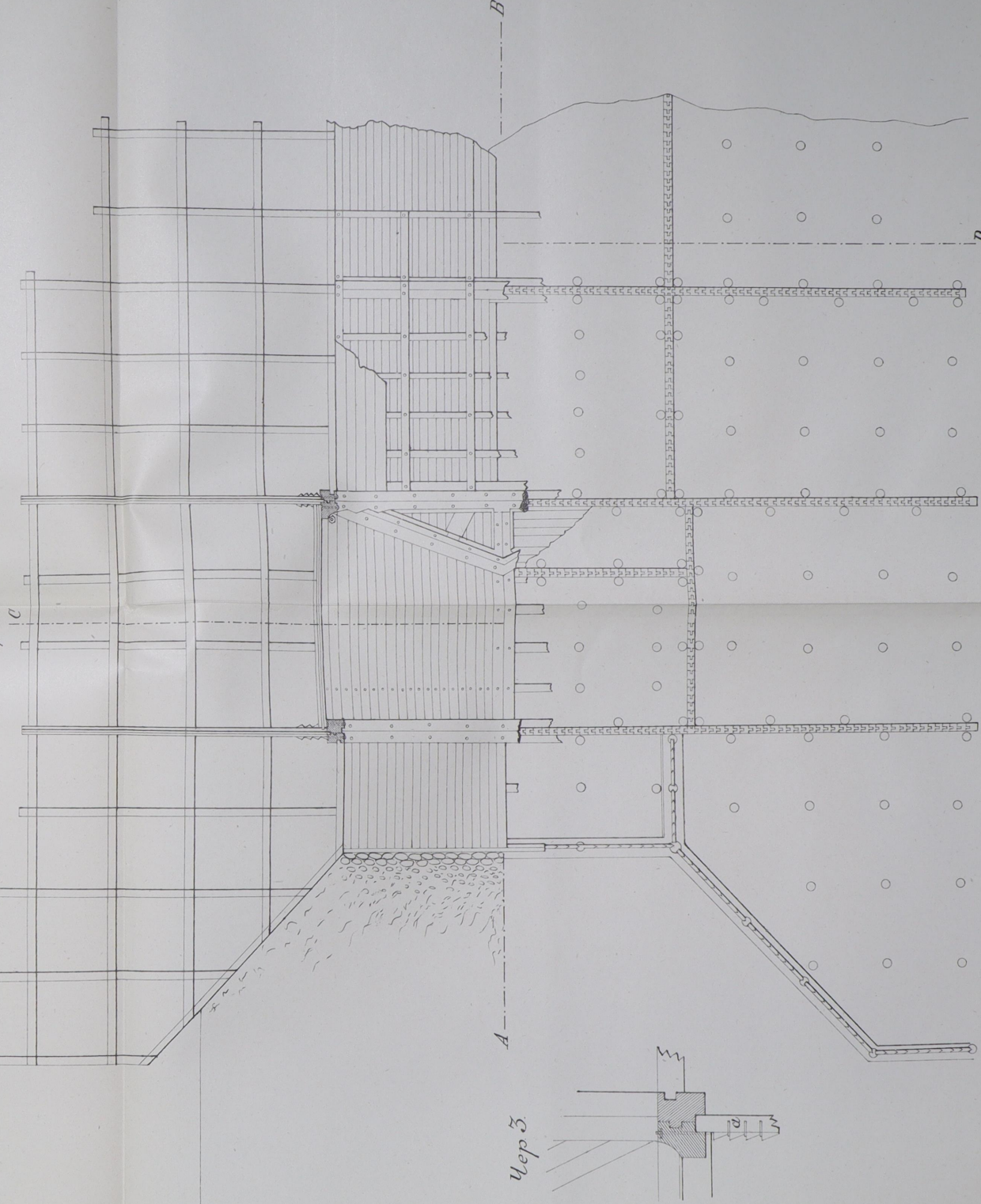
Чер. 2.
Низовая шлюзовая часть.



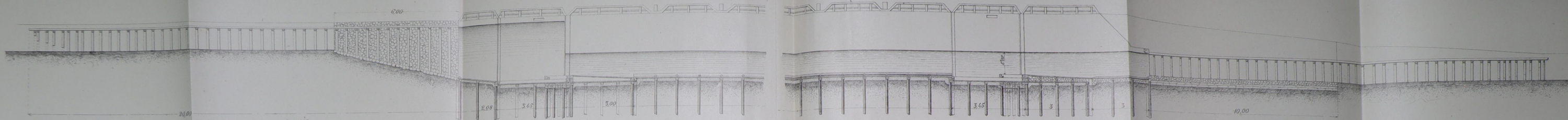
Чер. 1-б.
Верховая шлюзовая часть.



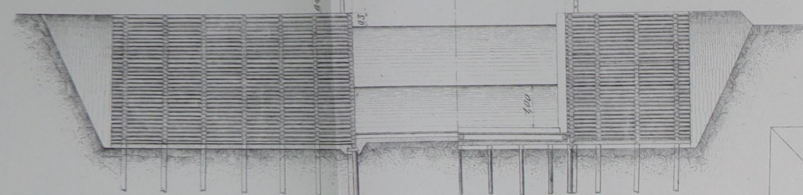
Чер. 1-а.
Планъ верховой шлюзовой части.



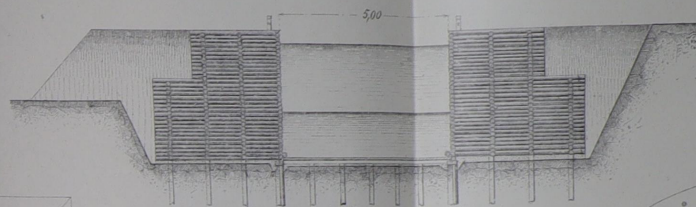
Разрѣзъ по АВ.



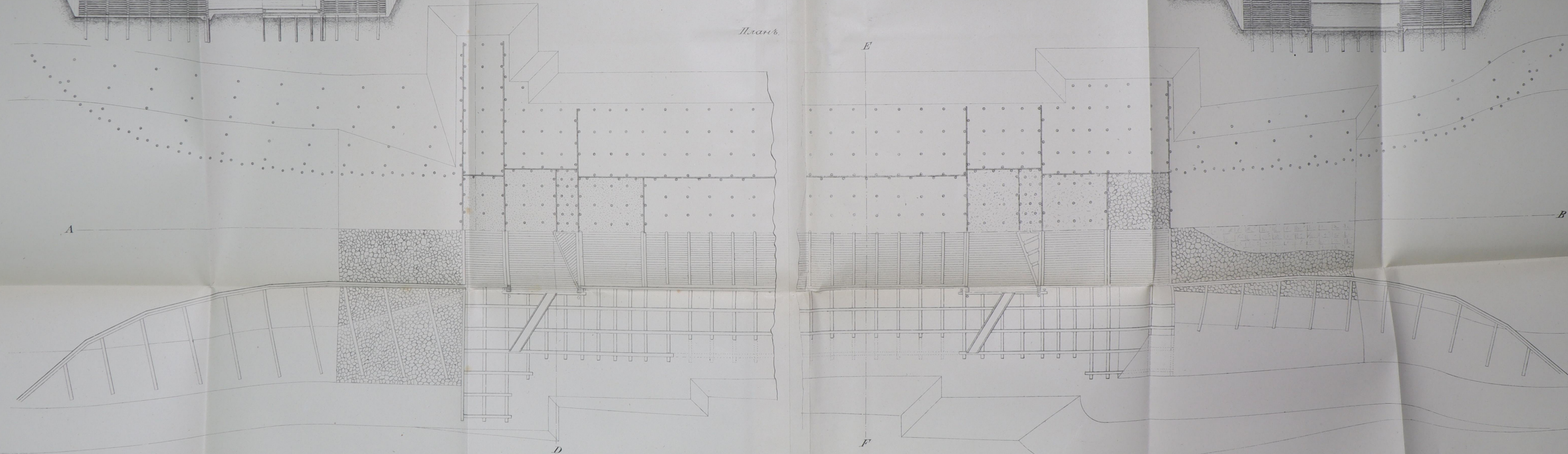
Разрѣзъ по CD



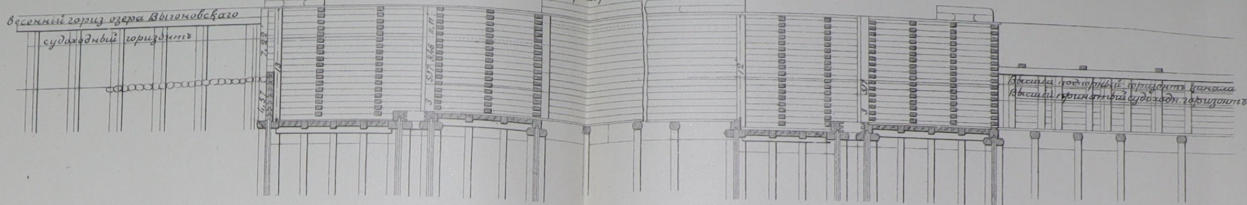
Разрѣзъ по EF.



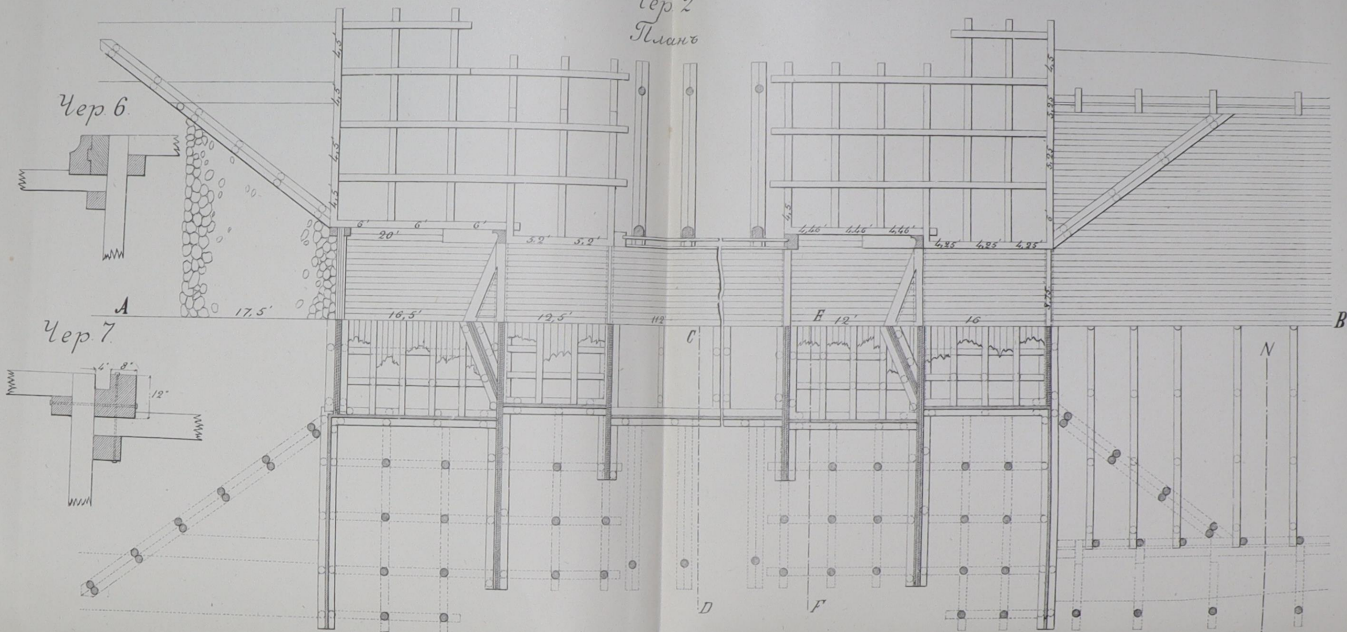
Планъ.



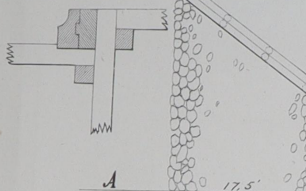
Чер 1
Продольный разрезъ по линии АВ



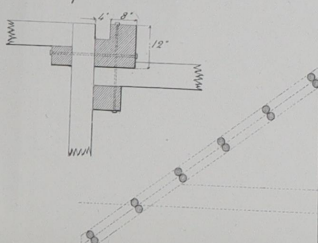
Чер 2
Планъ



Чер 6.

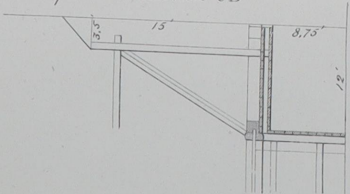


Чер 7.



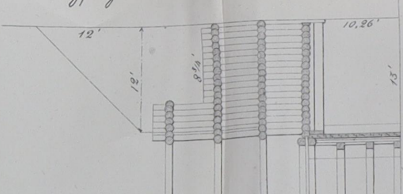
Чер 3

Разрезъ по линии CD



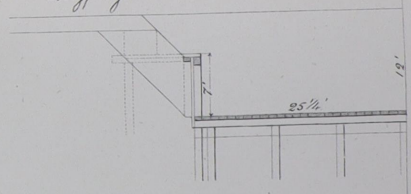
Чер 4

Разрезъ по линии EF



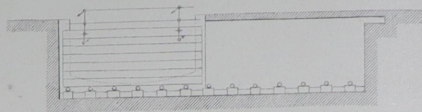
Чер 5

Разрезъ по линии NO

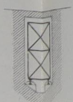


Масштабъ
къ плану и разрезамъ
10' 20' 30'

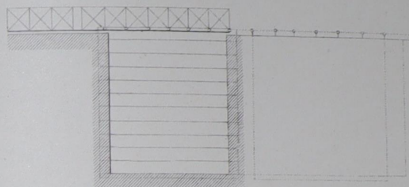
Черт. 1-а



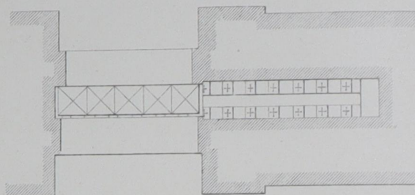
Черт. 1-б



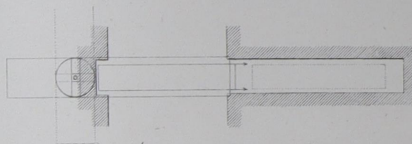
Черт. 2-а.



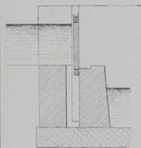
Черт. 1-б.



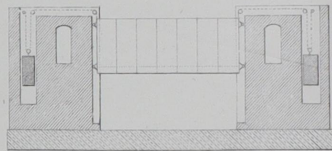
Черт. 2-б



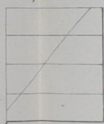
Черт. 3-б



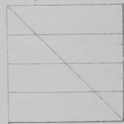
Черт. 3-а.



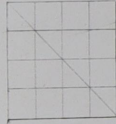
Черт. 4-а.



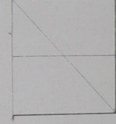
Черт. 4-б



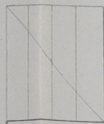
Черт. 4-в.



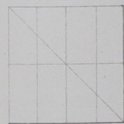
Черт. 4-г.



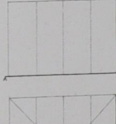
Черт. 9-а.



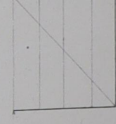
Черт. 9-б.



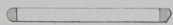
Черт. 9-в.



Черт. 4-д.



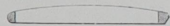
Черт. 5.



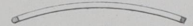
Черт. 7.



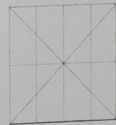
Черт. 6.

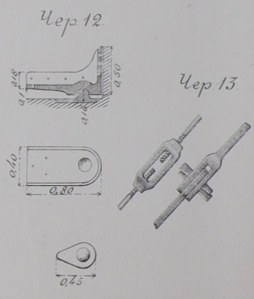
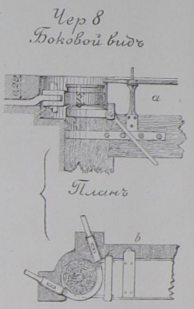
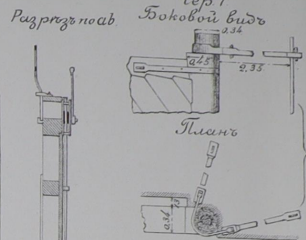
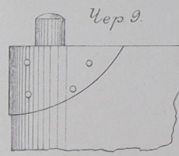
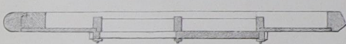
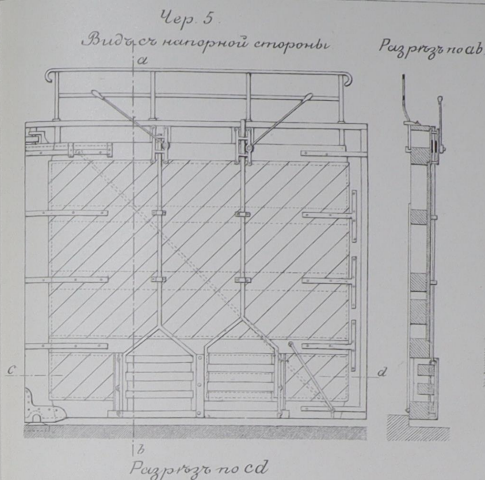
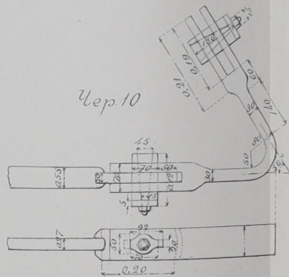
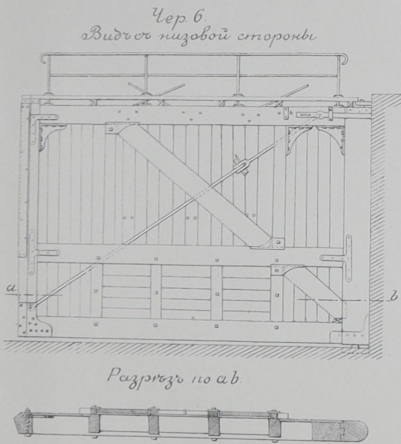
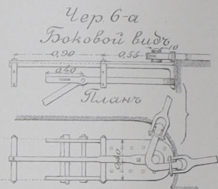
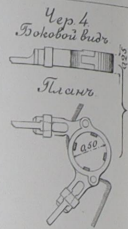
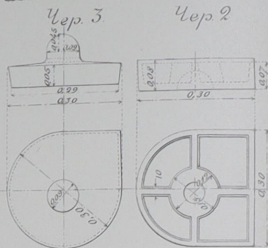
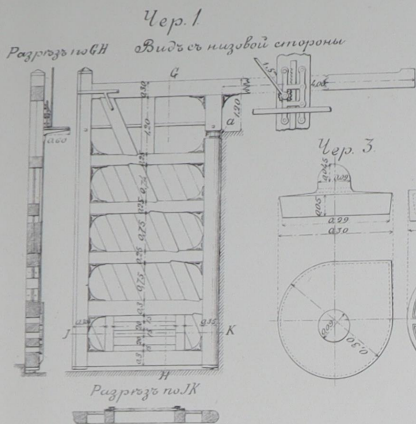


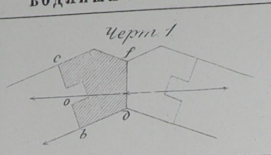
Черт. 8.



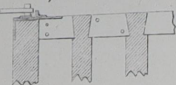
Черт. 4-е.



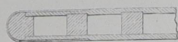




Разрѣзь по АВ



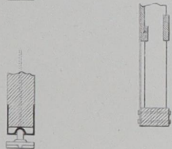
Разрѣзь по CD



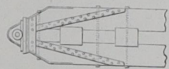
Разрѣзь по KL



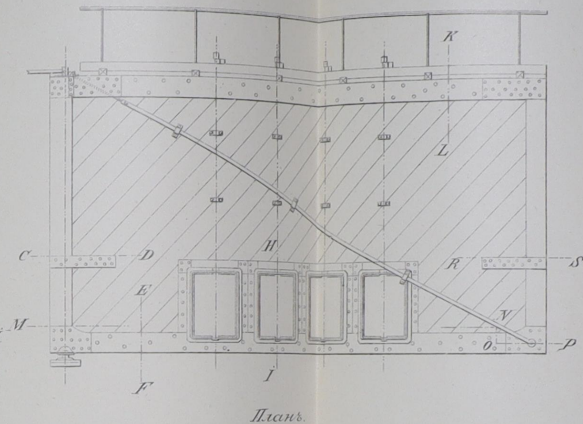
Разрѣзь по MN



Часть верхняго плана

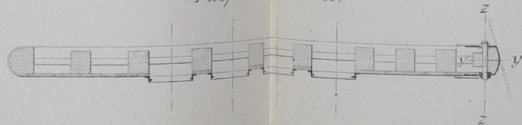


Черт 2
Ворота Фаустовскаго шлюза на р Москвѣ
Лѣвая половина.
Фасады

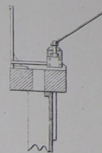


Планъ

Разрѣзь по MNPQ



Разрѣзь по KL



Разрѣзь по RS

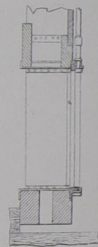
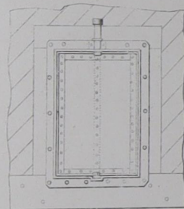


Разрѣзь по оси балки Разрѣзь по
оси воротъ UU

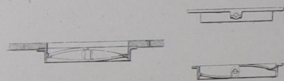


Щитъ

Вертикальный разрѣзь по оси

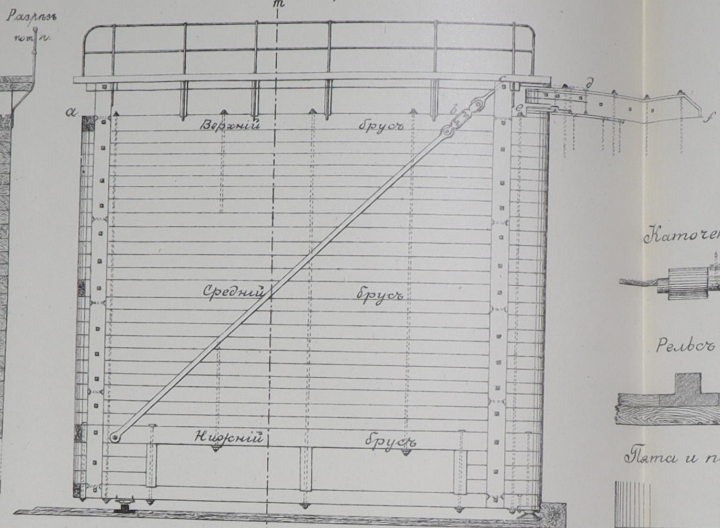


Горизонтальный разрѣзь

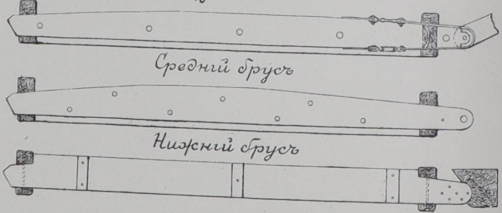


Чер 1

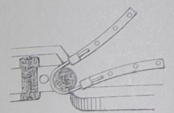
Американскія брусья вѣрты на каналѣ Эри



Разрѣзъ по шир



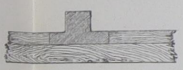
Головка вѣрты въ плоскости вѣрты



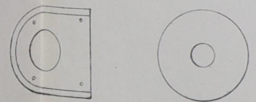
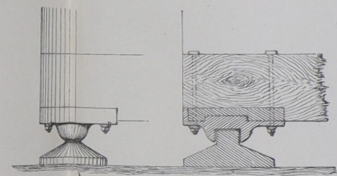
Намотка



Рельс

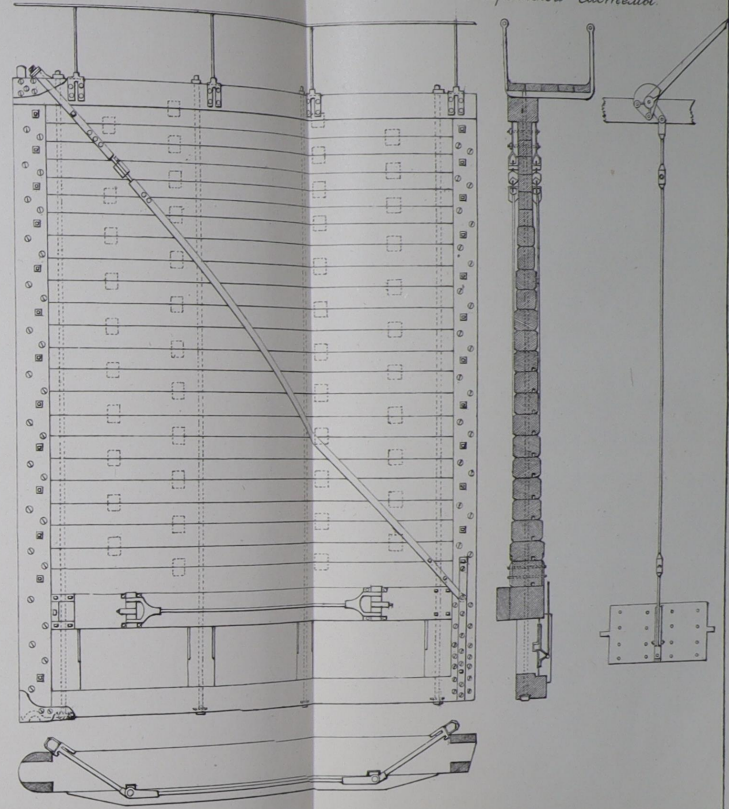


Пята и подпятникъ



Чер 2

Брусья вѣрты вѣрты Мариинской системы

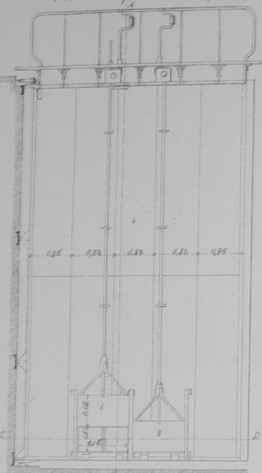


Чертъ 2в



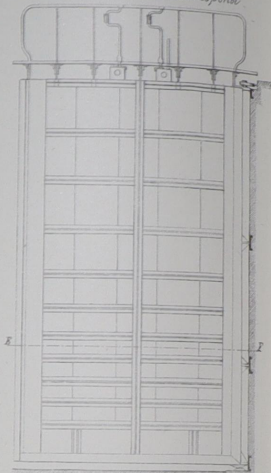
Чертъ 2а

Фасадъ верхней стороны

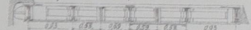


Чертъ 2б

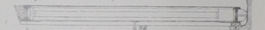
Фасадъ съ нижней стороны



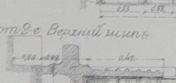
Чертъ 2в Разрѣзъ по СД



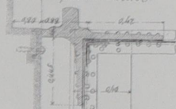
Чертъ 2д Разрѣзъ по ЕФ



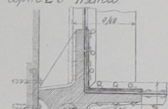
Разрѣзъ по АВ



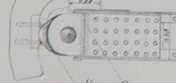
Чертъ 2е Верхній шиль



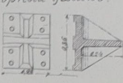
Чертъ 2и Плита



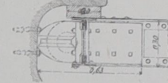
Чертъ 2ж



Чертъ 2з Упорный уголокъ



Чертъ 2к



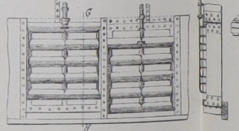
Чертъ 2л Упорная подкладка



Чертъ 5. Баланирный механизмъ для подъема щитовъ

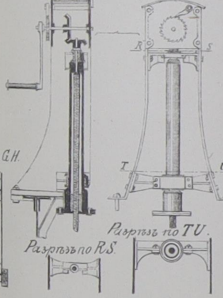


Фасадъ щитовъ Разрѣзъ по АН

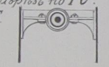


Чертъ 4

Демонстръ для подъема щита

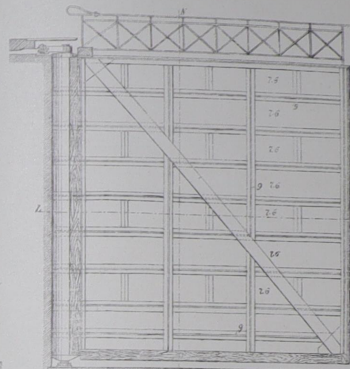


Разрѣзъ по RS

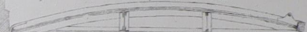


Чертъ 3а
Верхня ворота.

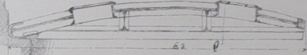
Чертъ 1



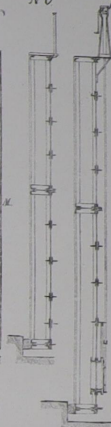
Чертъ 7б Разрѣзъ по LM



Чертъ 3б
Механизмъ ворота. Гарнъ разрѣзъ



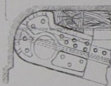
Чертъ 3г Чертъ 3д
Разрѣзъ по NО Разрѣзъ по PQ



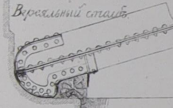
Чертъ 3ж



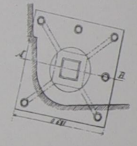
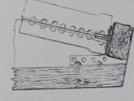
Плита подъема щита



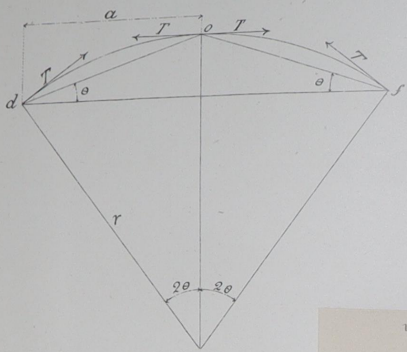
Чертъ 3е



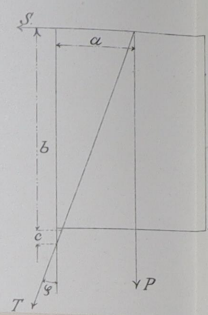
Чертъ 3з



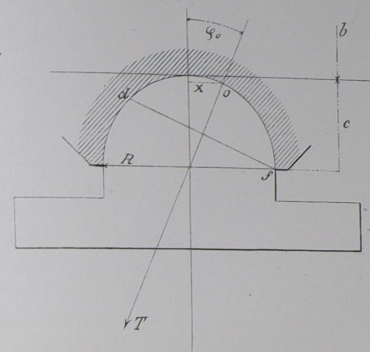
Черп 1



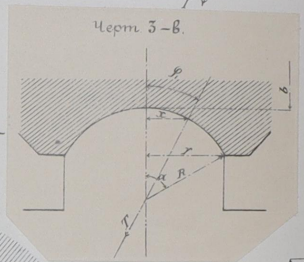
Черп 2



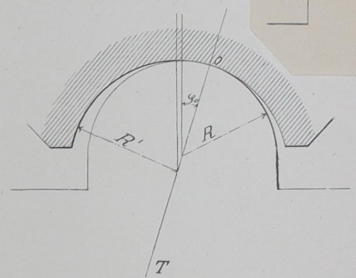
Черп 3-а



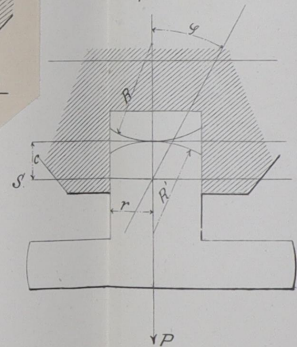
Черп 3-в.



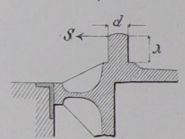
Черп 3-б



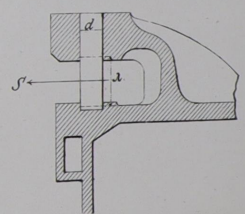
Черп 4



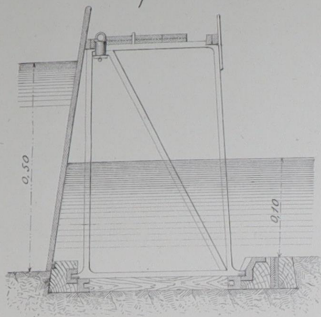
Черп 5



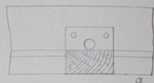
Черп 6



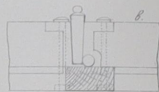
Чер 1



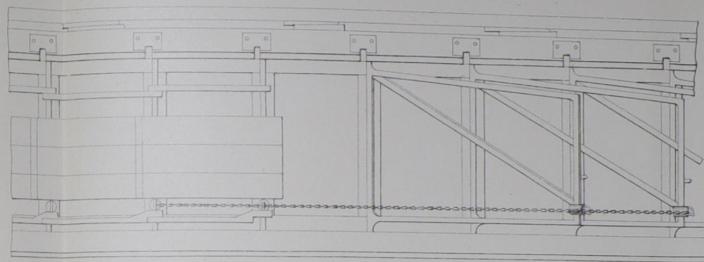
Чер 2-а



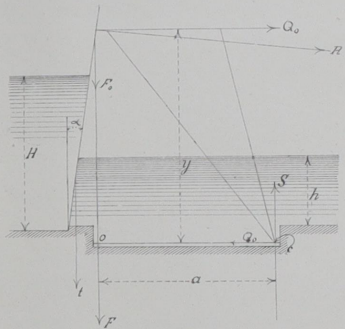
Чер 2-б



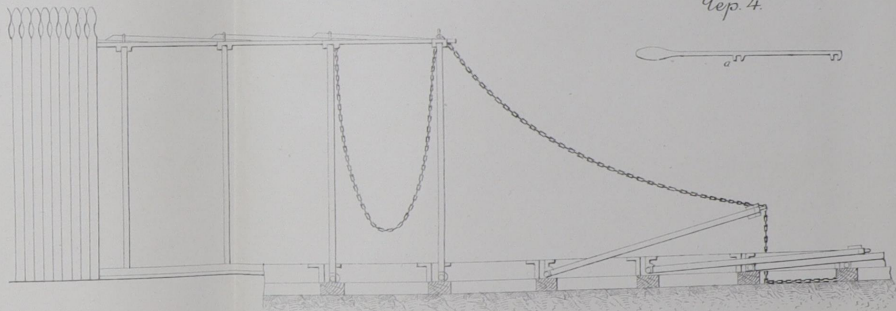
Чер 3-а



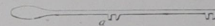
Чер 5



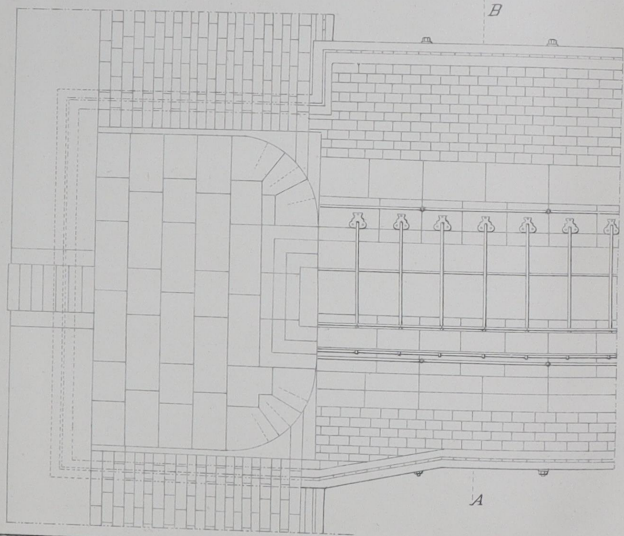
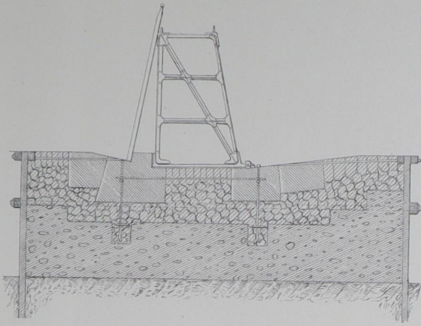
Чер 3-б



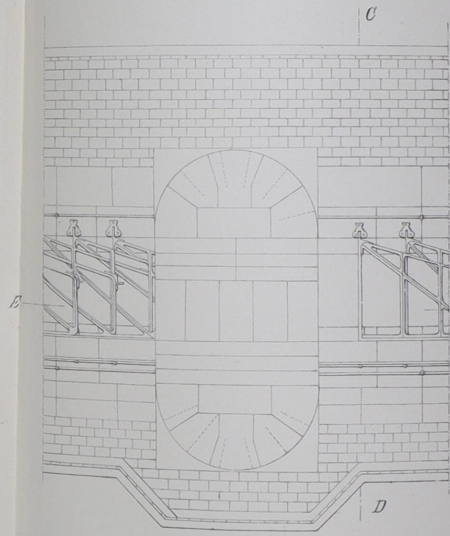
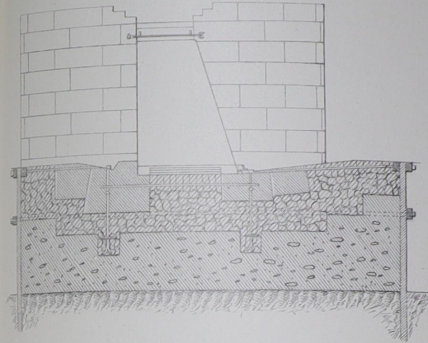
Чер 4



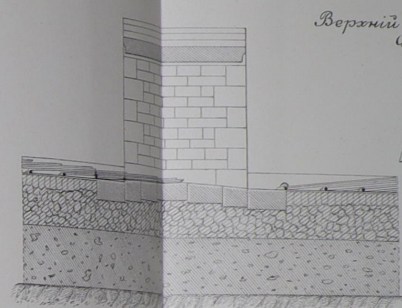
Разрѣзъ по АВ



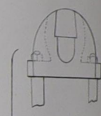
Разрѣзъ по СD



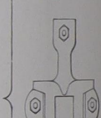
Разрѣзъ по ЕF



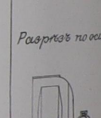
Фасадъ



Планъ



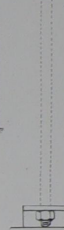
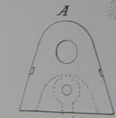
Разрѣзъ по оси



Нижний подшипникъ

Разрѣзъ пообразованнаго камня по оси верхняго подшипника АВ

Верхній подшипникъ Фасада



В

Сопраженіе стоекъ съ поперечинами

Разрѣзъ по а в

Верхній протокъ въ боковой видѣ

Планъ

Нижній протокъ въ боковой видѣ

Планъ

Планъ

Детали фермы

Разрѣзъ по СD

Разрѣзъ по АВ

Чер. 13

Разрѣзъ по АВ

Служебный шпатель

Разрѣзъ

Планъ надъ фермою

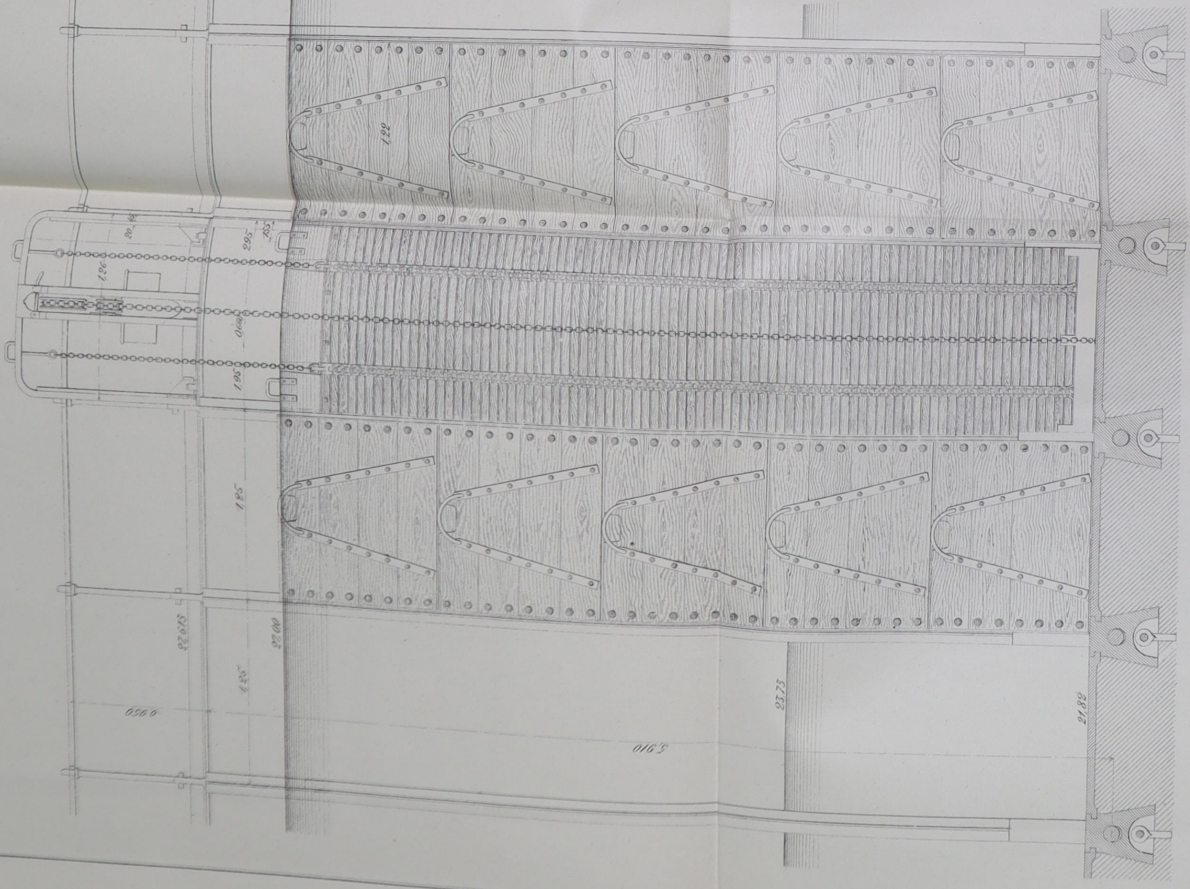
Планъ

Планъ

Планъ

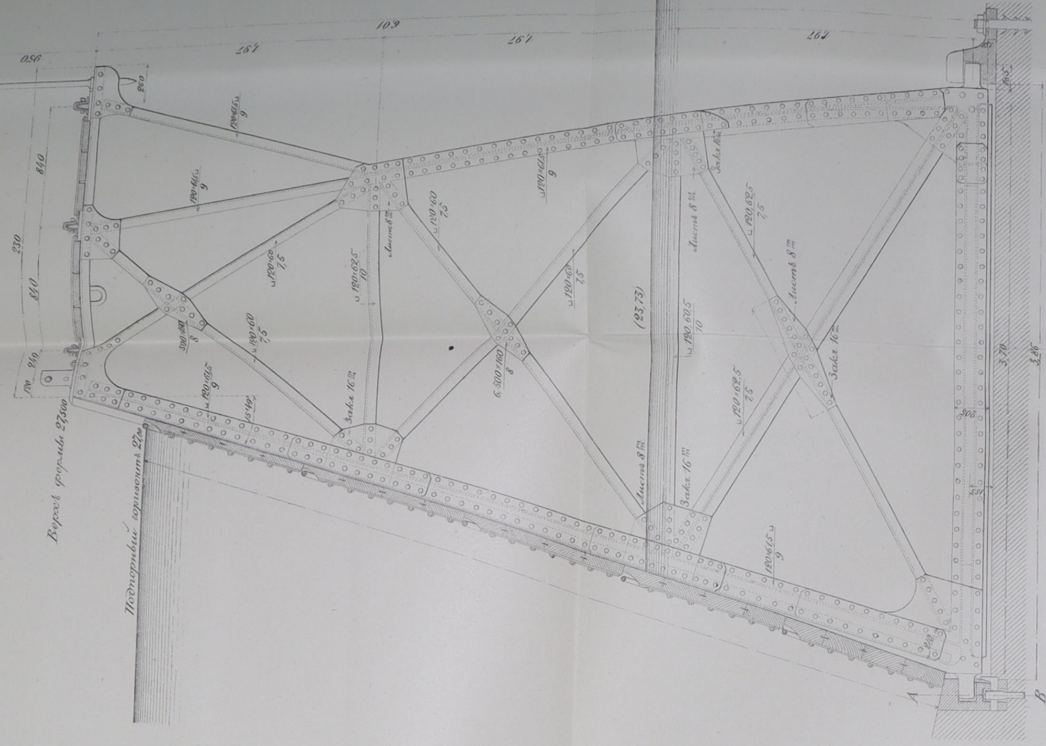
Планина въ Суэскомъ на р Сѣвѣ
Проводъ для судовъ.

Черт. 1 Фасадъ

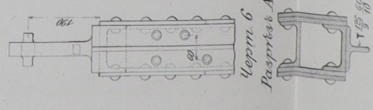


Черт. 2

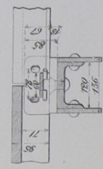
Поперечный разрезъ плавника



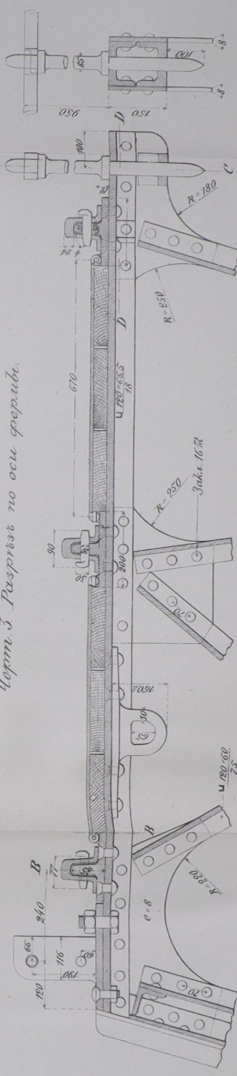
Черт. 5
Возвраще ребро



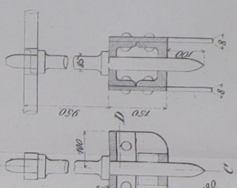
Черт. 7
Разрезъ ВВ



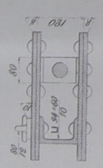
Черт. 3 Разрезъ по оси горюхи



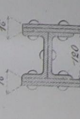
Черт. 8
Разрезъ СС



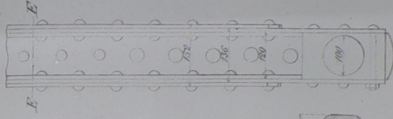
Черт. 9
Разрезъ ДД



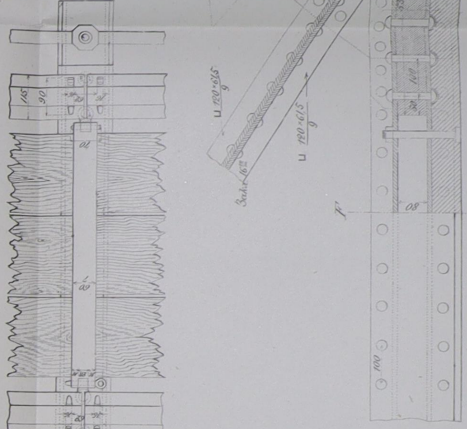
Черт. 10
Разрезъ ЕЕ



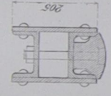
Черт. 11
Нижнее ребро



Черт. 4



Черт. 12
Разрезъ ГГ



Масштабъ для черт. 1 и 2

1 2 3 4 5 6 7 8 9 10

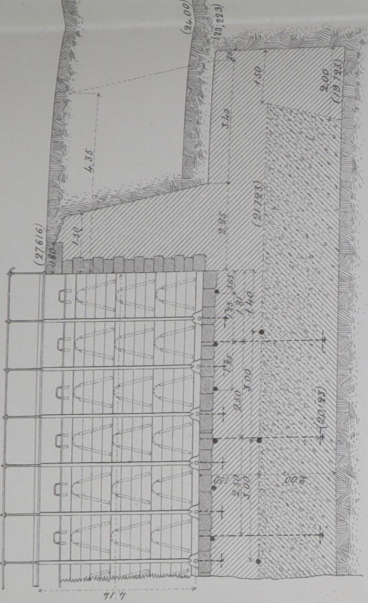
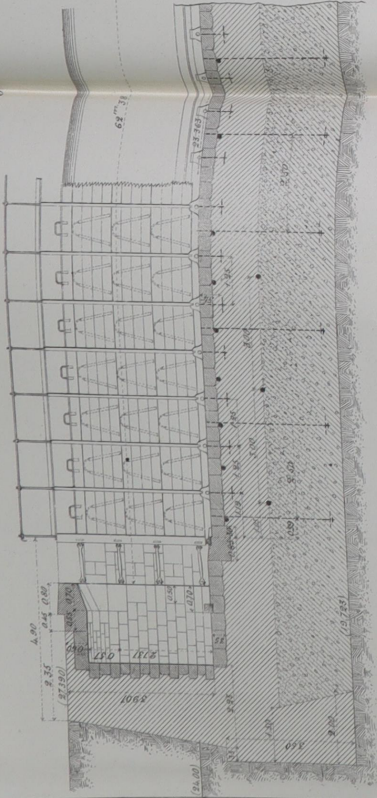
Масштабъ для черт. 3-12

1 2 3 4 5 6 7 8 9 10

1 см

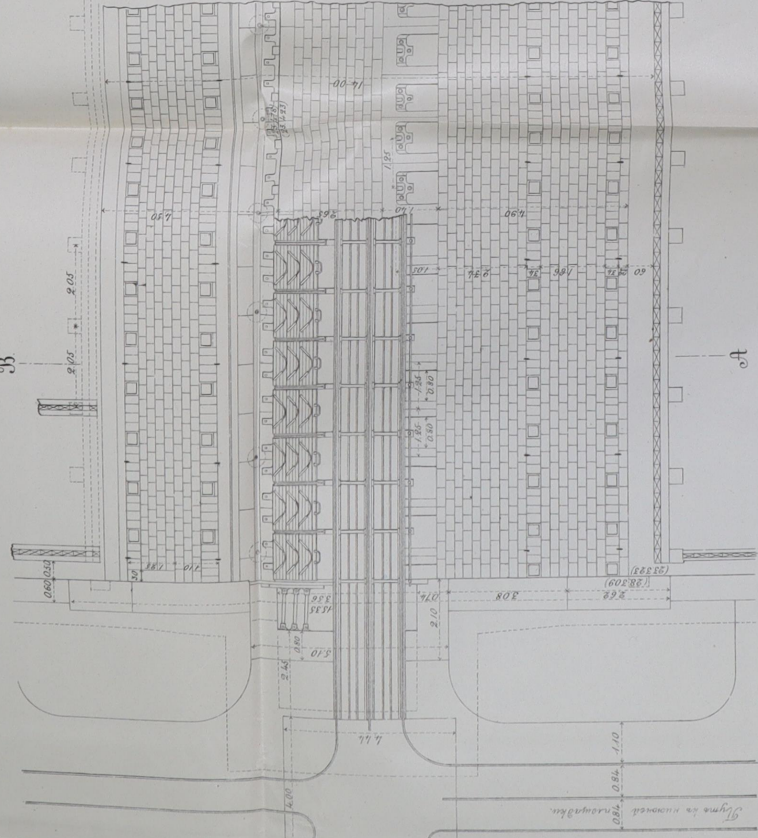
Сюдослывѣ.

Фр 1 Продольный разрезъ Видъ со стороны нижняго бьефа.

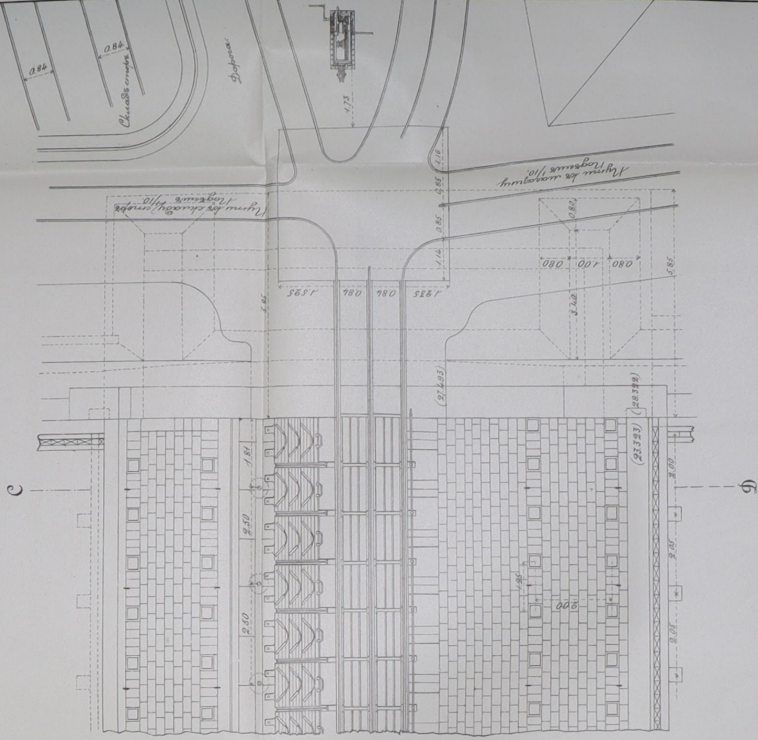


В

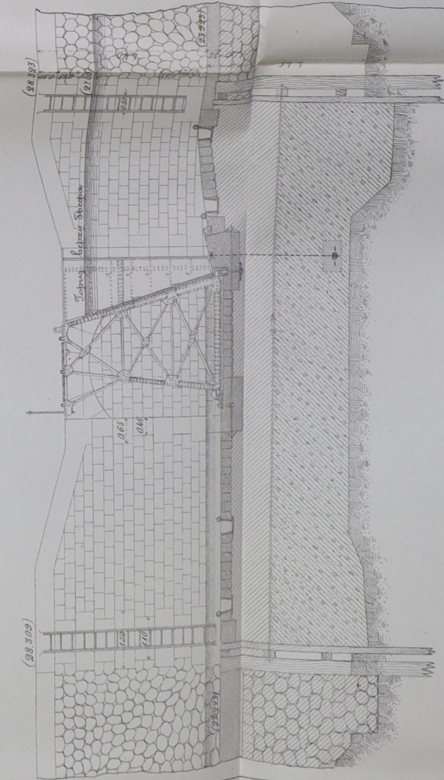
Фр 2 Планы.



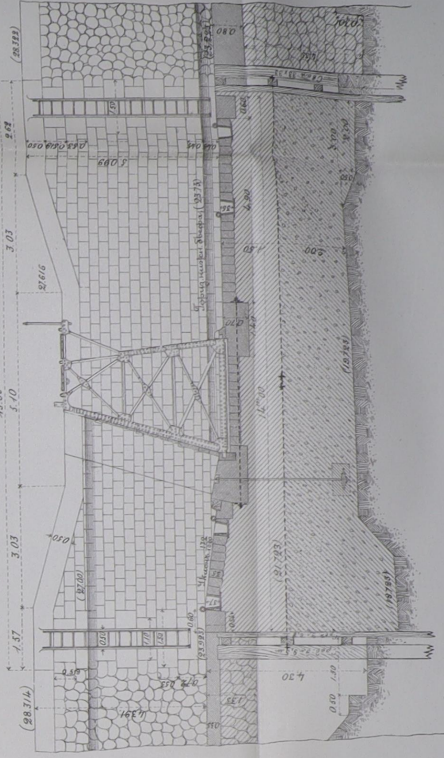
С



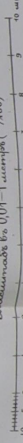
Фр 3 Поперечный разрезъ по от В (Фр 2)



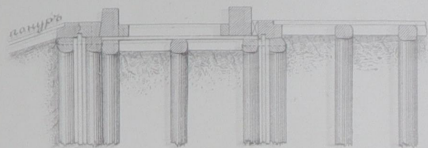
Фр 4 Поперечный разрезъ по СД (Фр 2)



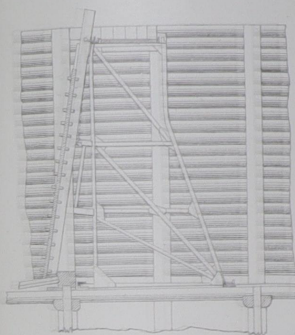
Масштабъ в. 0'01-1 дюймъ (1/100)



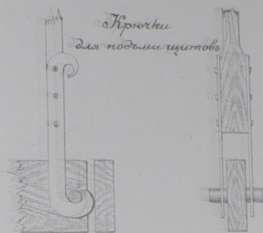
Чер. 1



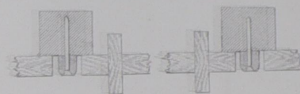
Чер. 3
Боковой вид
франки и устоя.



Чер. 4

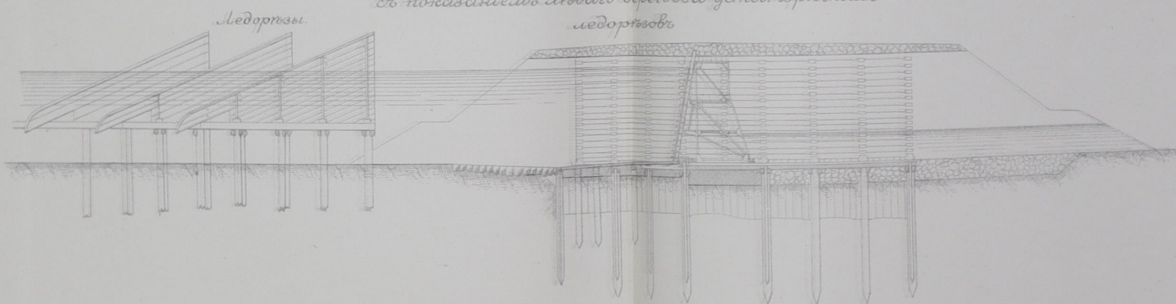


Разрѣзы щитовой стоеки

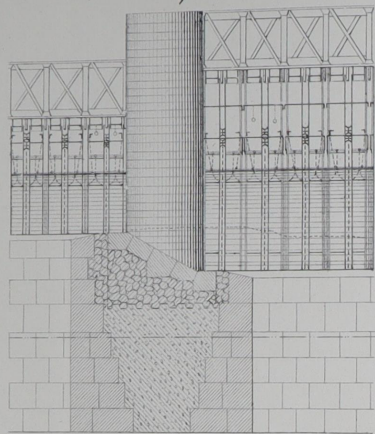


Чер. 2

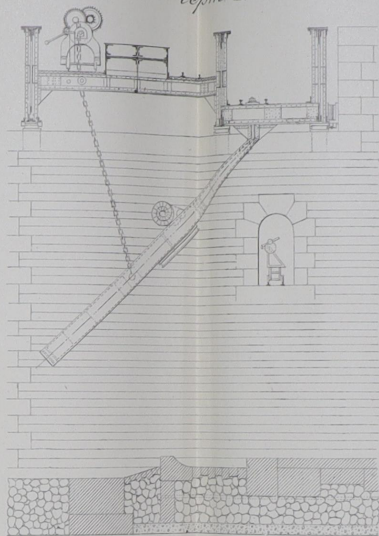
Поперечный разрѣзъ
съ показаніемъ лѣвого берегового устоя и правыхъ
ледорѣзовъ



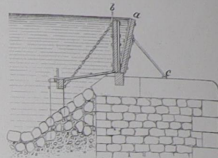
Черт 1.



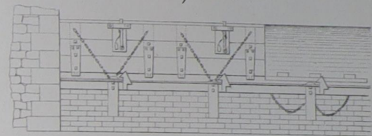
Черт 2



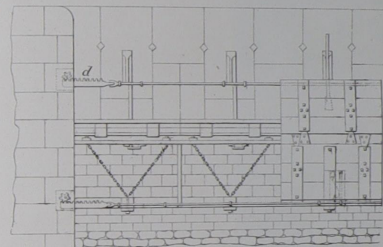
Черт 3-а



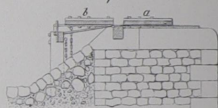
Черт 3-в



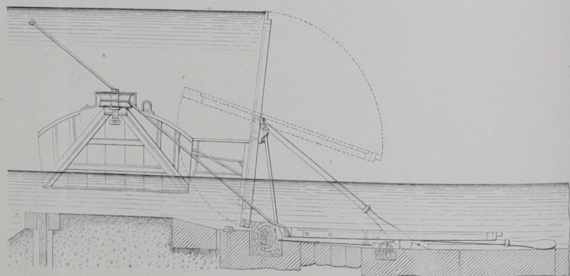
Черт 3-г



Черт 3-б

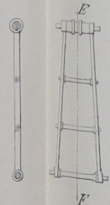


Черт 4.



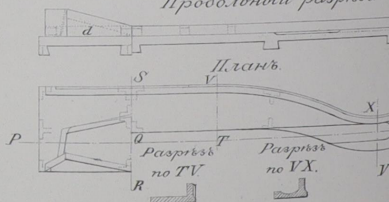
Черт 5

Разрѣзъ по EF Фасады



Черт 6

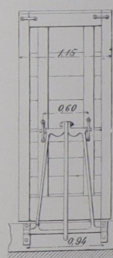
Продольный разрѣзъ



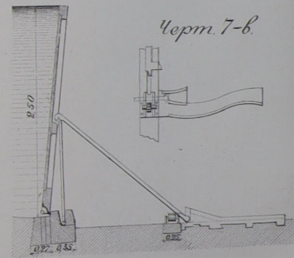
Разрѣзъ по PA

Разрѣзъ по RS

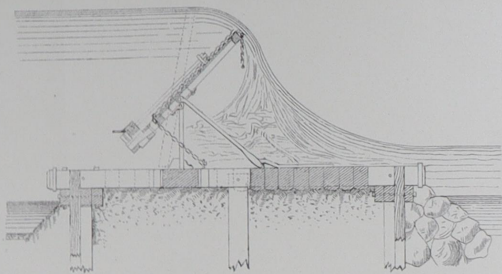
Черт 7-а Черт 7-б



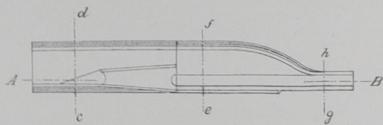
Черт 7-в



Чер. 1.



Чер. 3-а



Чер. 3-б
Разрезъ по АВ



Чер. 3-в

Видъ съ верхней
стороны



Разрезъ
по сд



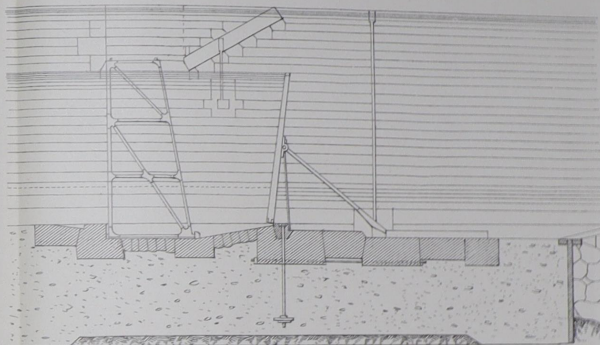
Разрезъ
по еф



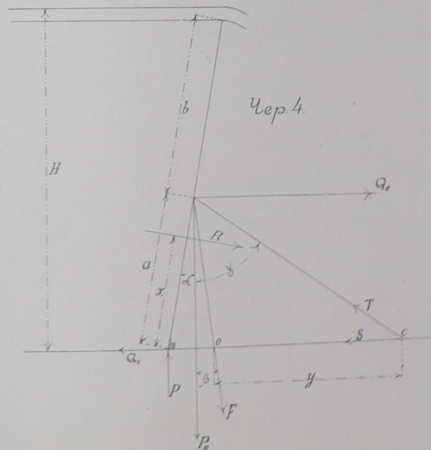
Разрезъ
по глв

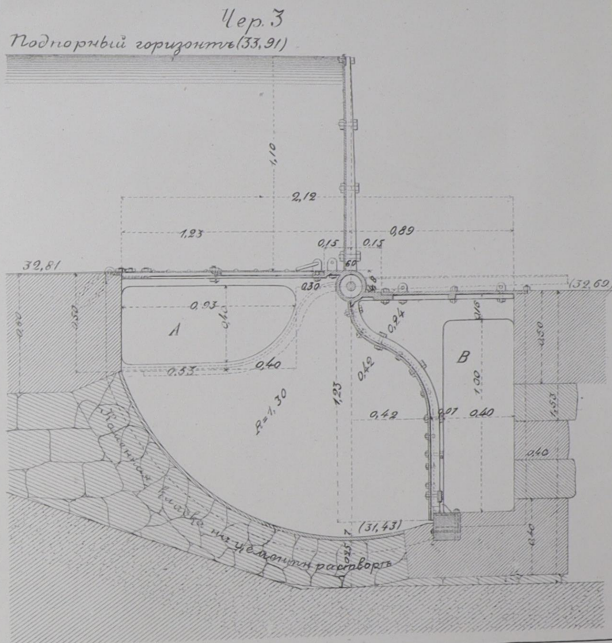
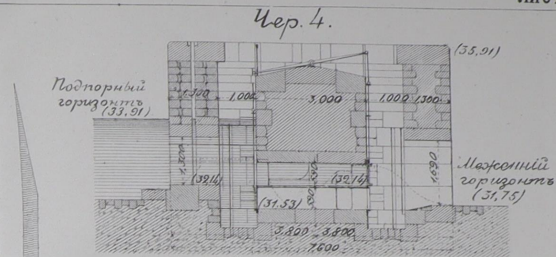
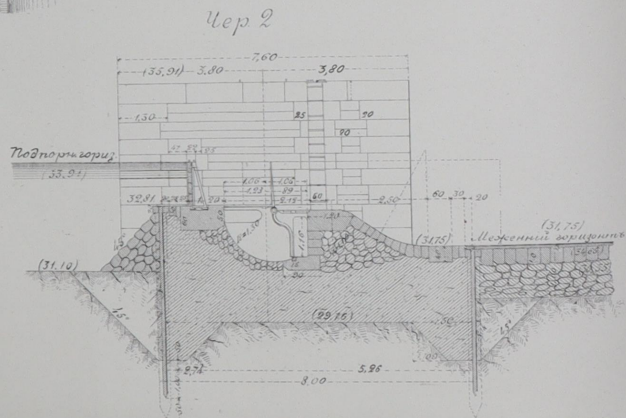
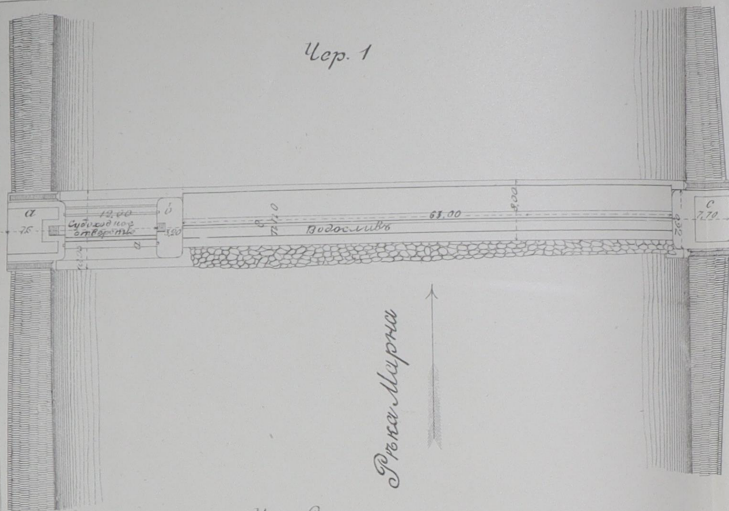


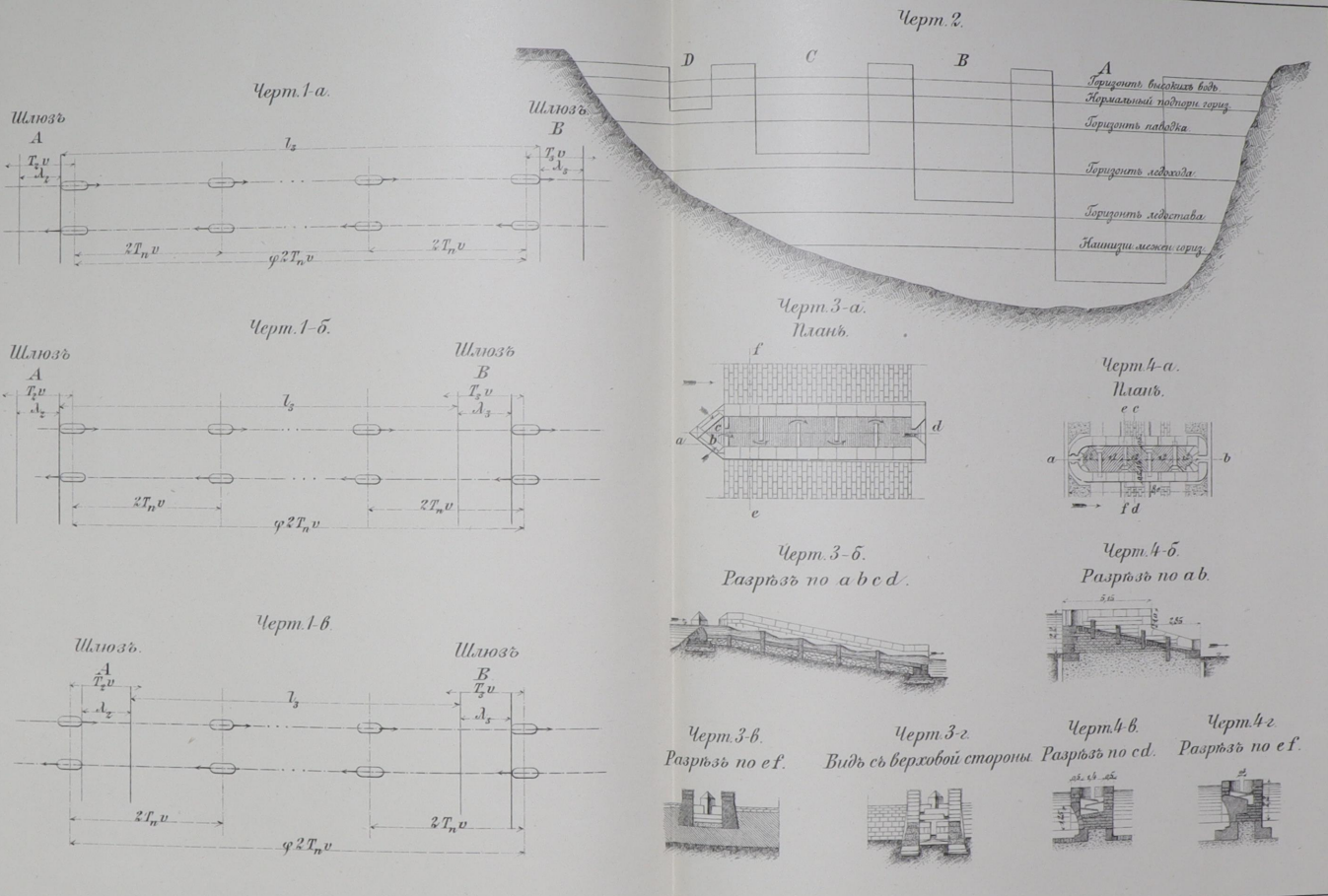
Чер. 2



Чер. 4

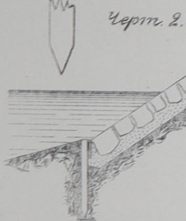




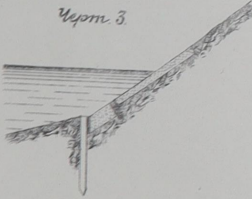




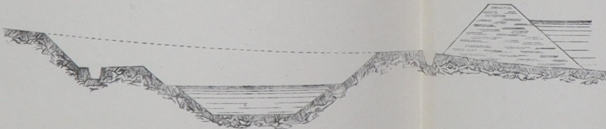
Черт. 1.



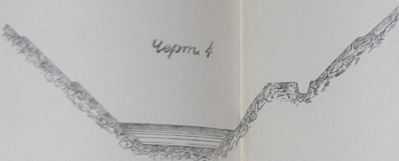
Черт. 2.



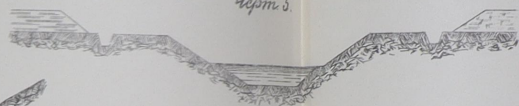
Черт. 3.



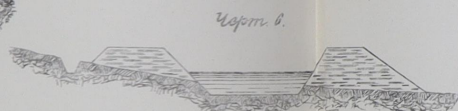
Черт. 8.



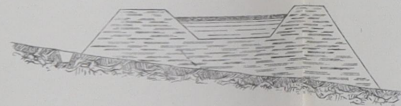
Черт. 4.



Черт. 5.



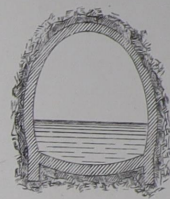
Черт. 6.



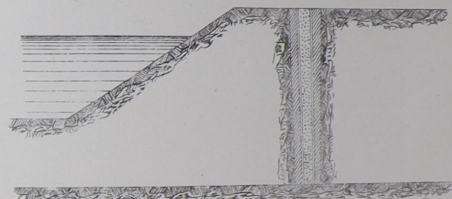
Черт. 7.



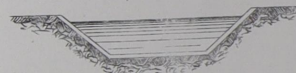
Черт. 12.



Черт. 9.

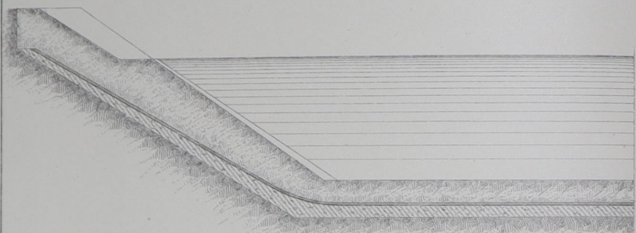


Черт. 10.

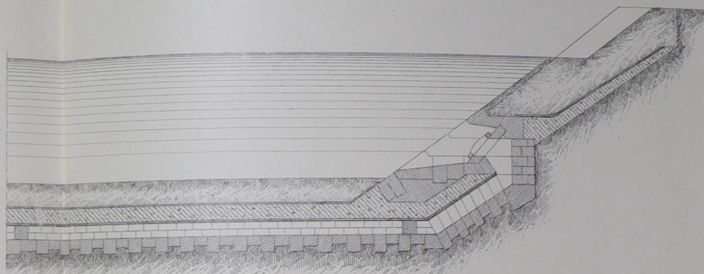


Черт. 11.

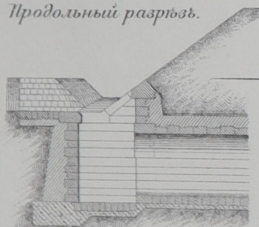
Черт. 1.



Черт. 2.

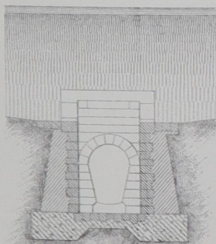


Продольный разръзъ.

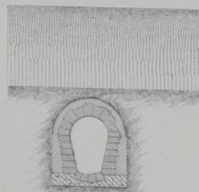


Черт. 3.

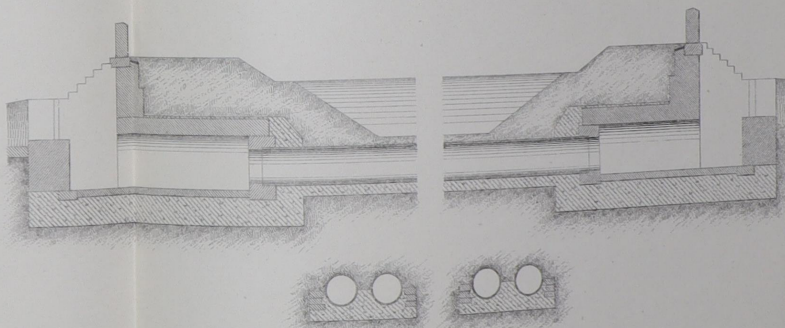
Поперечный разръзъ по колодцу



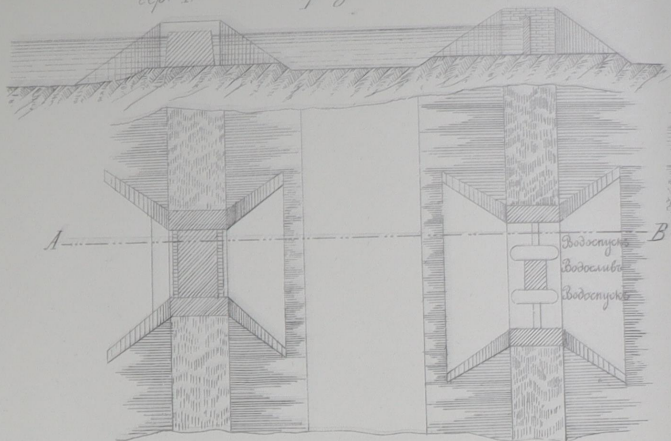
Поперечный разръзъ по оси канала



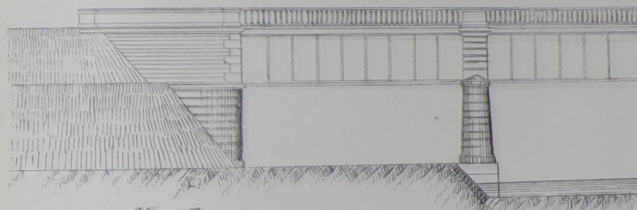
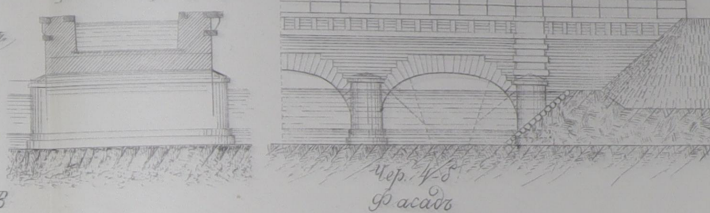
Черт. 4.



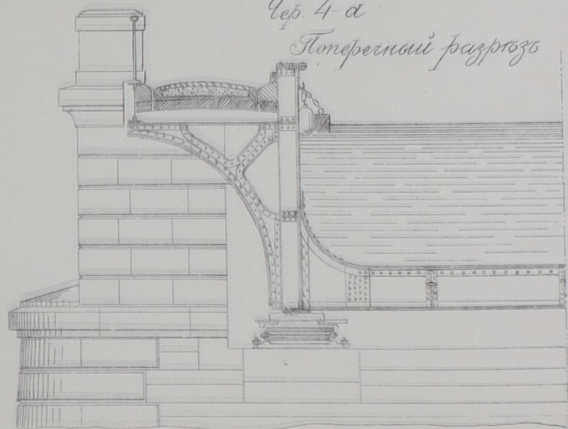
Чер. 1 Разрѣзъ по АВ.



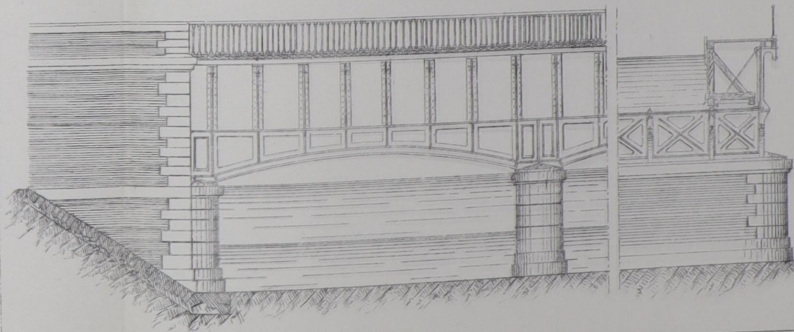
Чер. 2 Поперечный разрѣзо фасада.



Чер. 4-а Поперечный разрѣзо

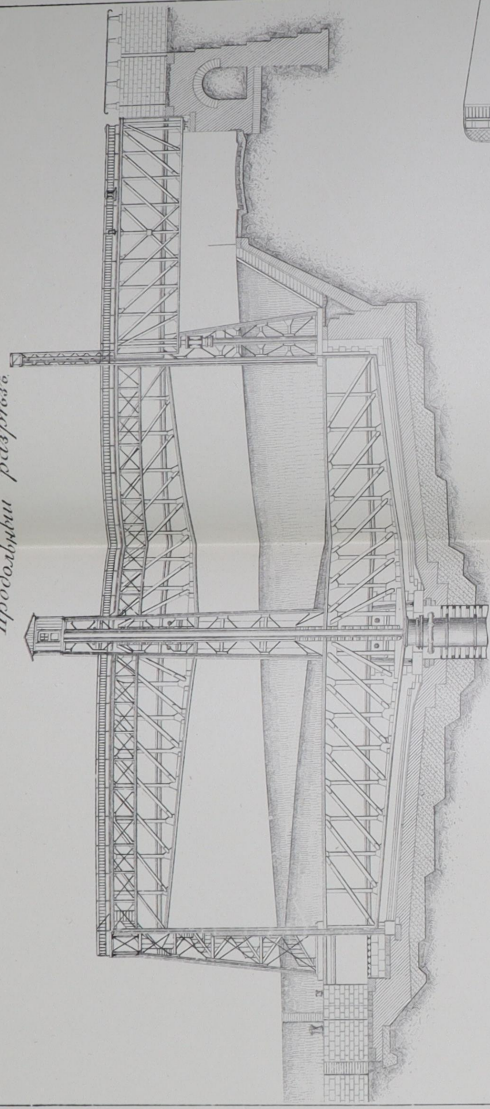


Чер. 3-а Фасада

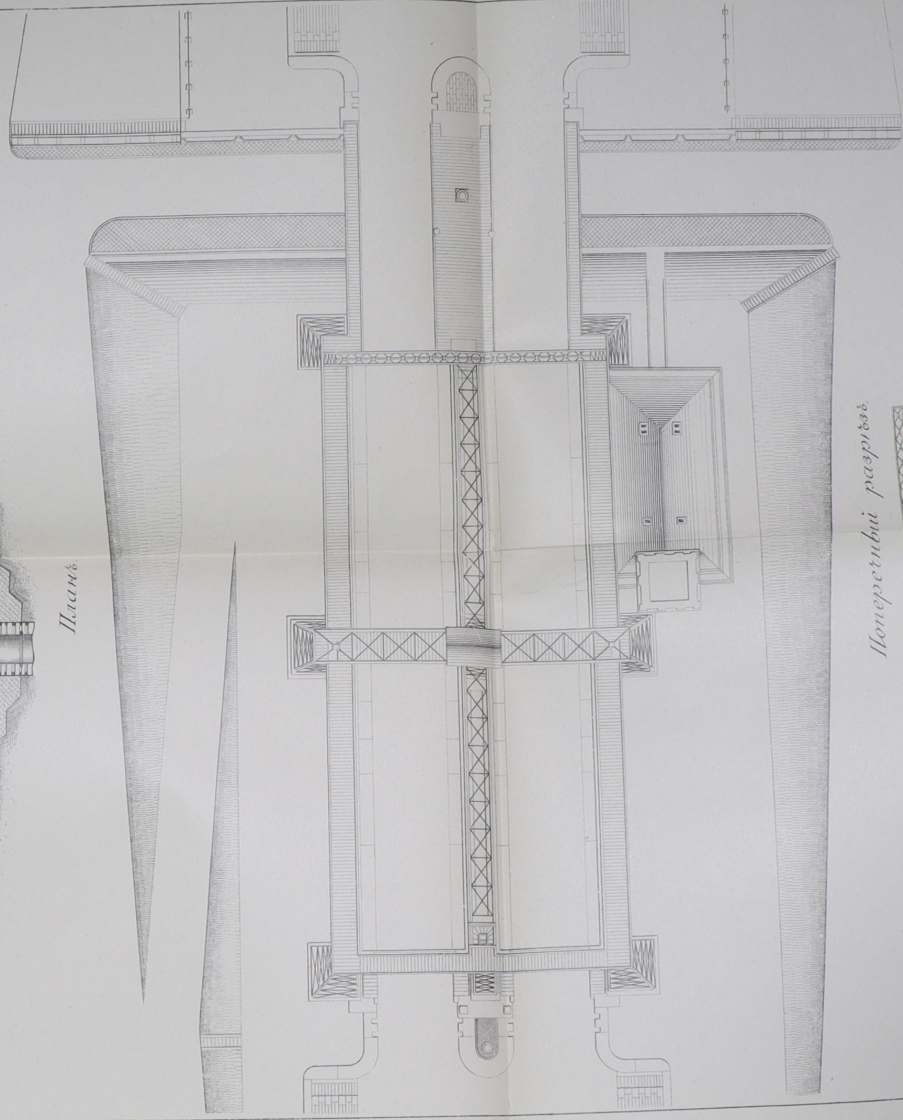


Чер. 3-б Поперечный разрѣзо

Продольный разрезъ



Планъ



Поперечный разрезъ

