

2055

2055

Изданіе Института Инженеровъ Путей Сообщенія Императора Александра I.

627.9
3-41

КУРСЪ ВНУТРЕННИХЪ ВОДЯНЫХЪ СООБЩЕНІЙ.

О. Г. ЗБРОЖЕКА,

ИНЖЕНЕРА ПУТЕЙ СООБЩЕНІЯ,

Члена Совѣта Института Инженеровъ Путей Сообщенія
Императора Александра I.

проверено
1966 г.

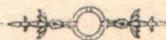
1168
2055
Институтъ путей сообщенія

ца

2-е изданіе исправленное и дополненное.

Атласъ изъ 136 таблицъ чертежей.

✓



С.-ПЕТЕРБУРГЪ.

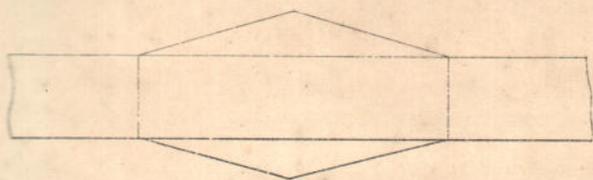
Типографія Ю. Н. Эрлихъ, Садовая, № 9.

1898.

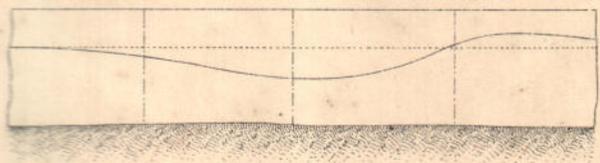
Печатано по распоряженію Института инженеровъ путей сообщенія
ИМПЕРАТОРА АЛЕКСАНДРА I.

Завѣдывающій изданіями Института Инженеровъ Путей Сообщенія ИМПЕРАТОРА
АЛЕКСАНДРА I, Секретарь Совѣта *Тимоновъ*.

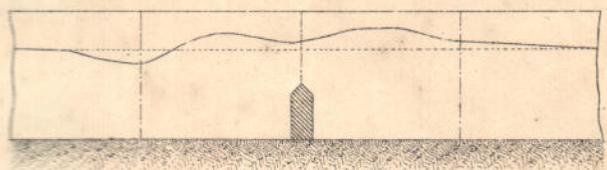
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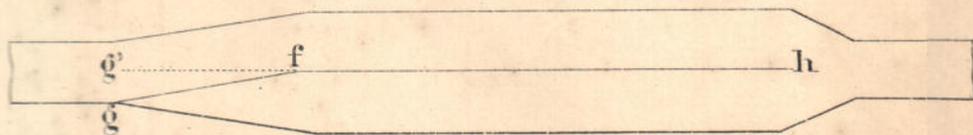
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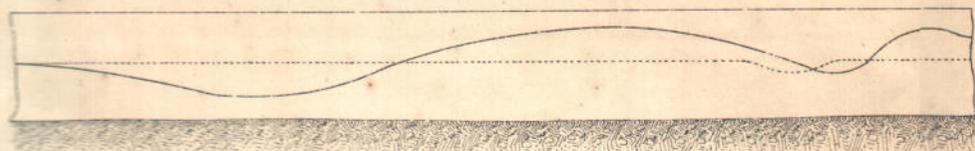
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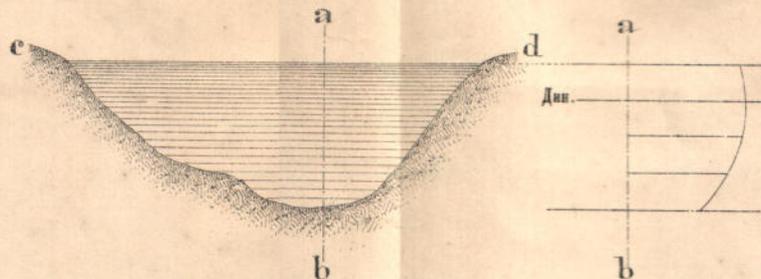
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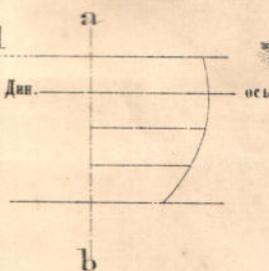
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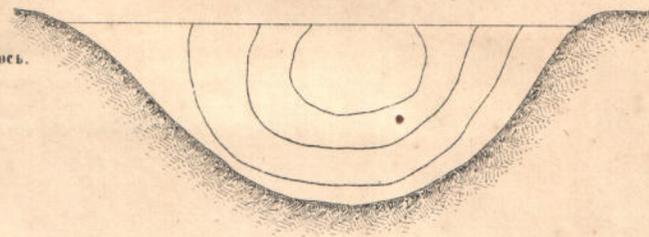
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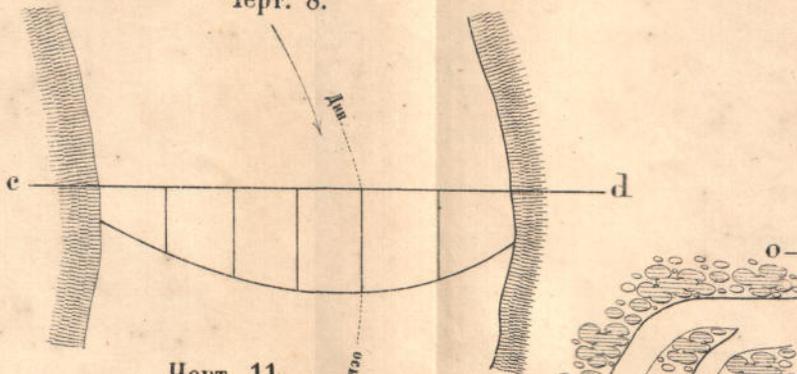
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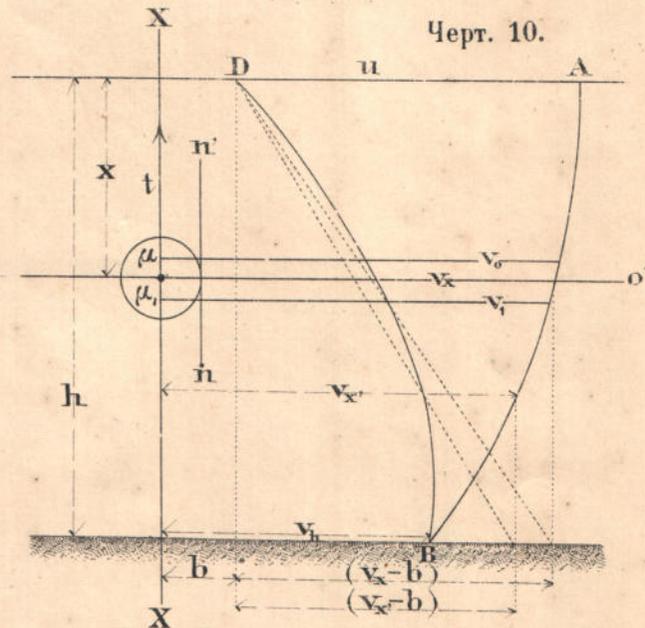
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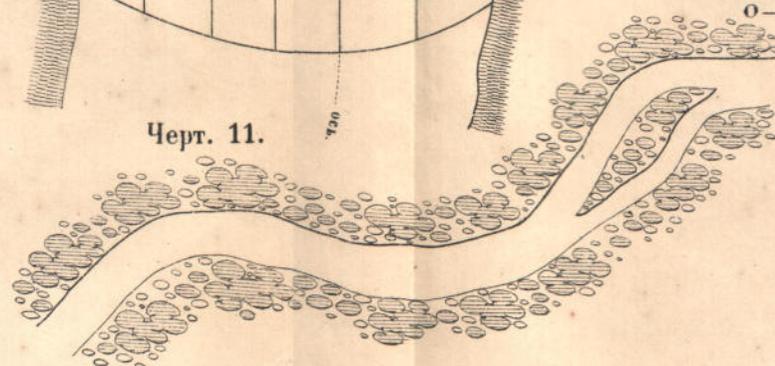
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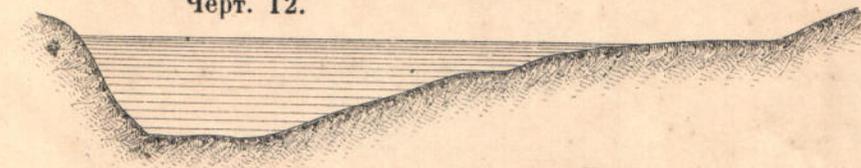
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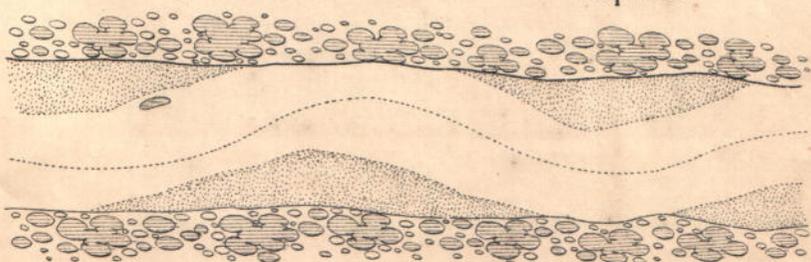
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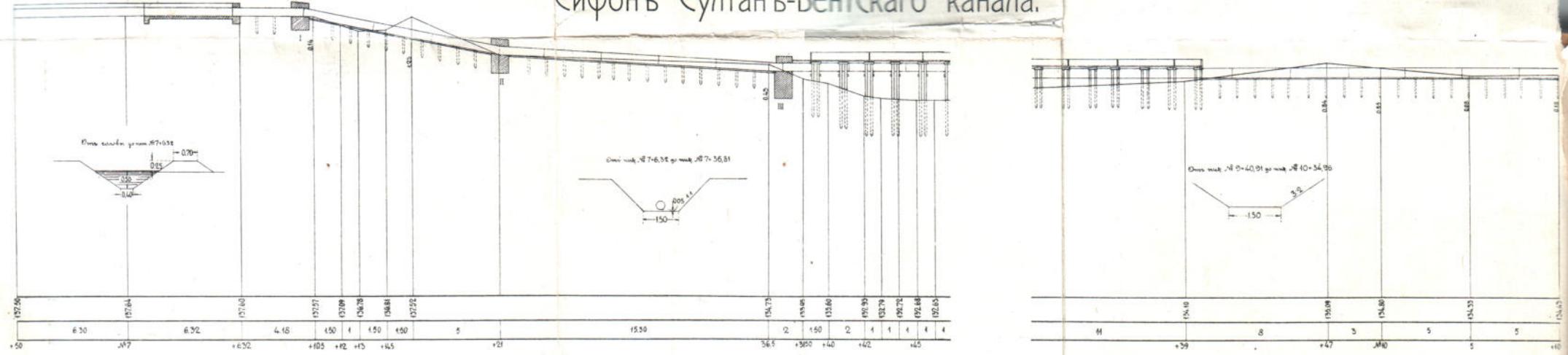
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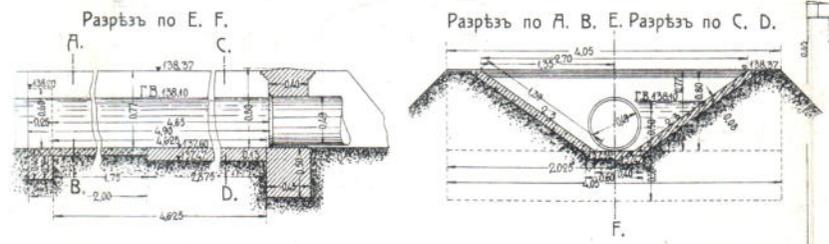
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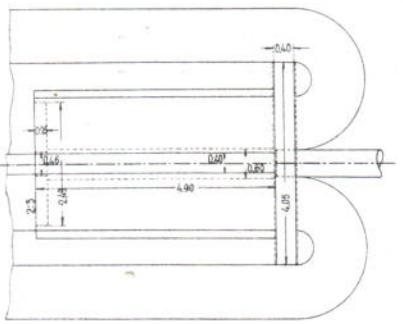
Сифонъ Султанъ-Бентскаго канала.



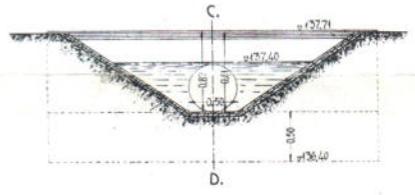
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Планъ.



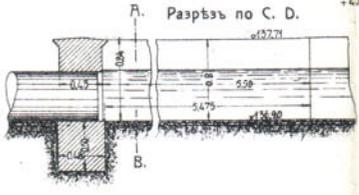
Разрѣзъ по А. В.



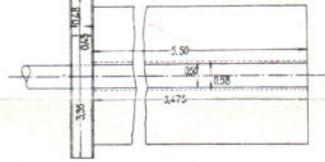
Масштабъ.



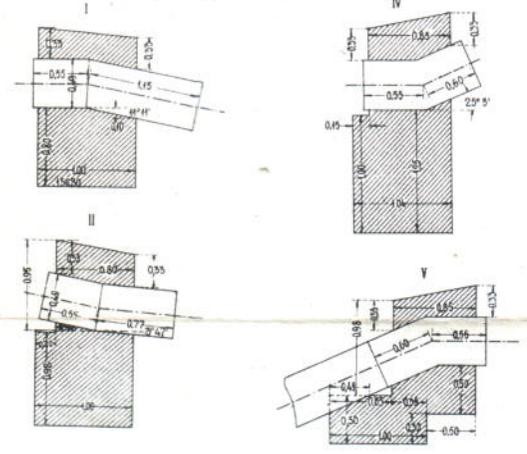
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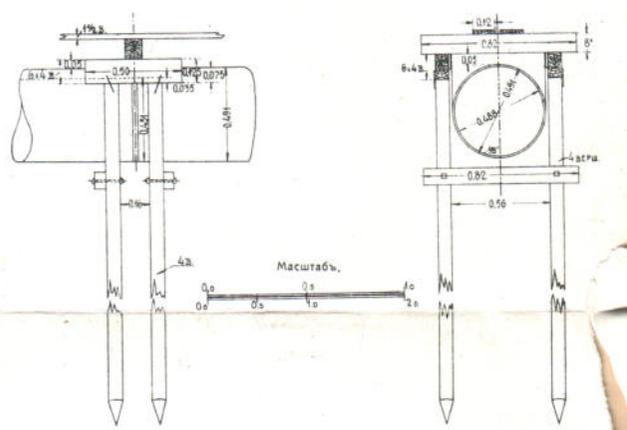
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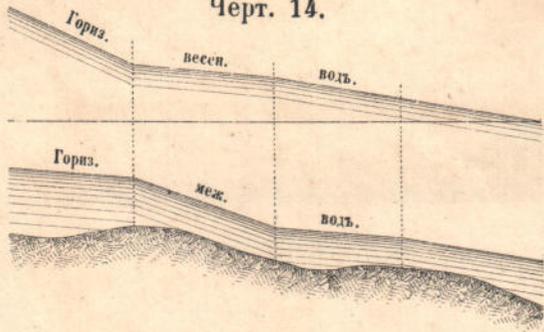
Опоры трубы сифона.



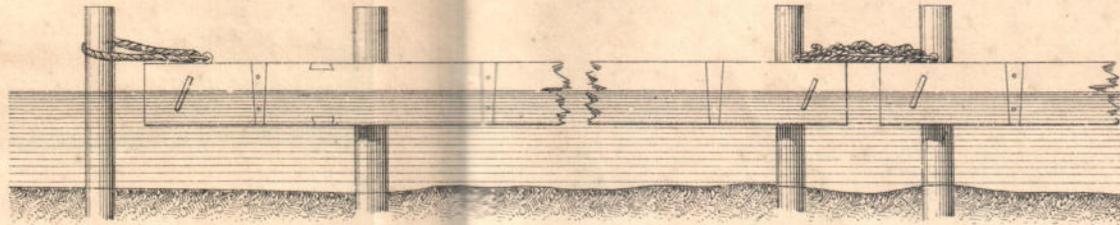
Деталь трубы сифона на сваяхъ.



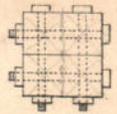
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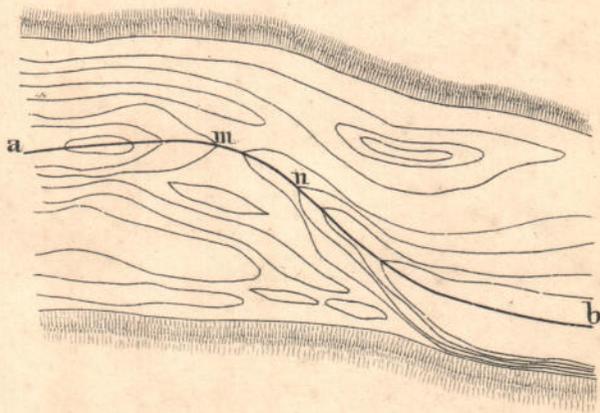
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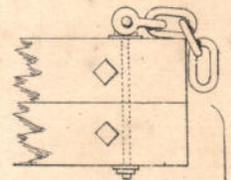
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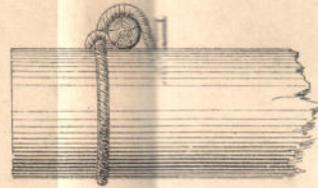
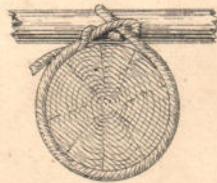
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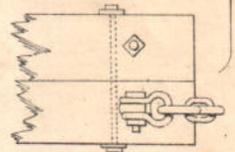
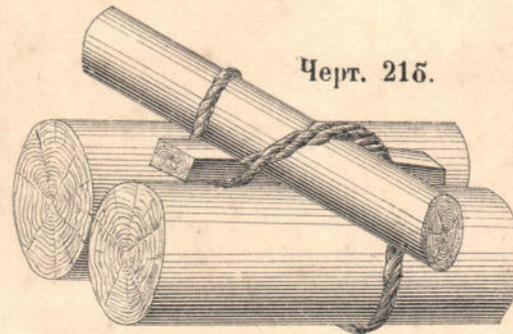
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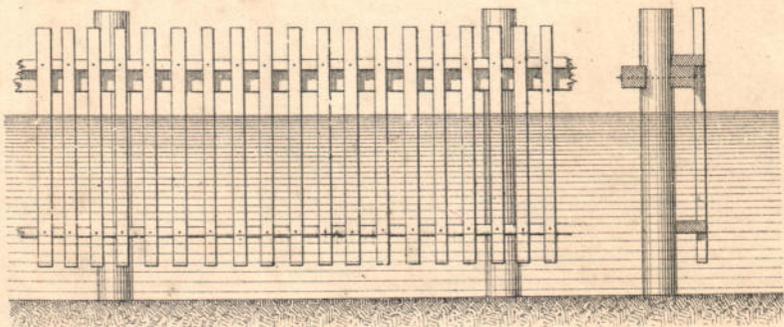
Черт. 21 а.



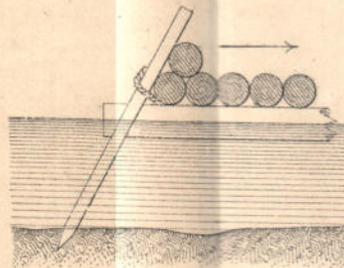
Черт. 21б.



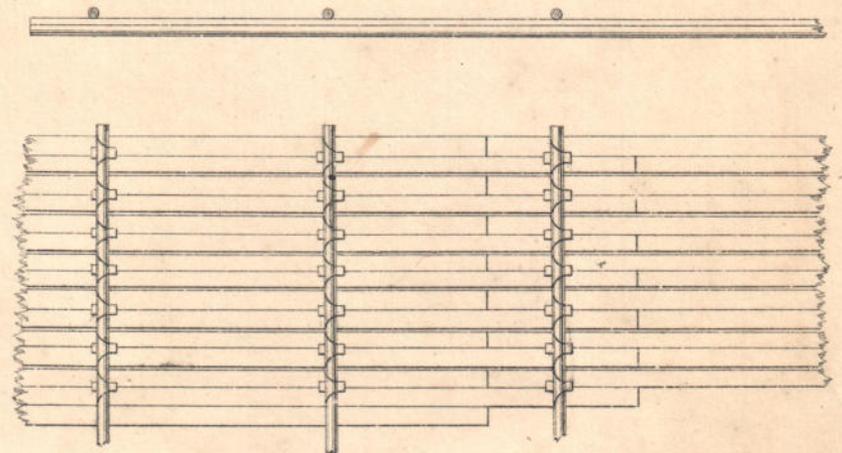
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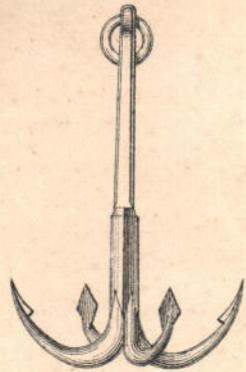
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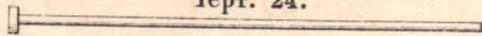
Черт. 20.



Черт. 23.



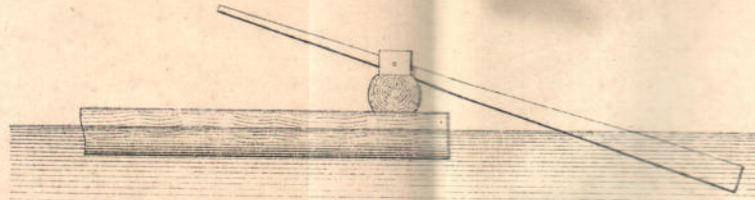
Черт. 24.



Черт. 25.



Черт. 26.



Черт. 27.

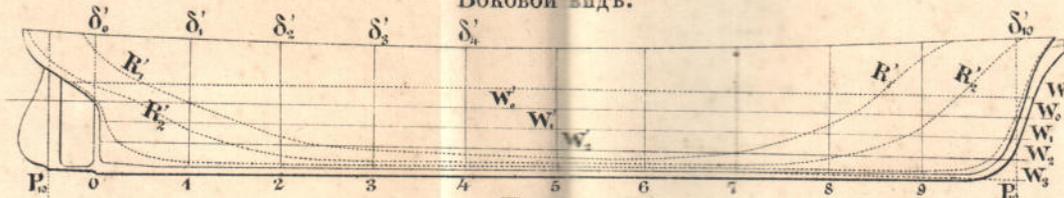
Корпусъ.



Лъвая задняя часть.

Правая передняя часть.

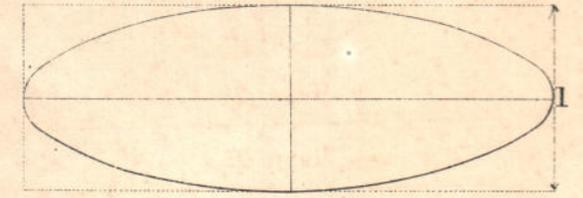
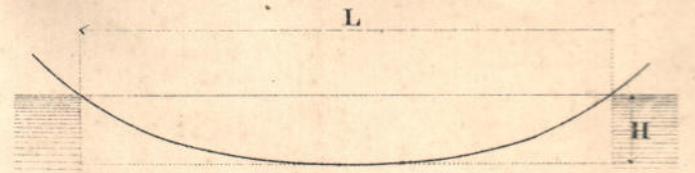
Боковой видъ.



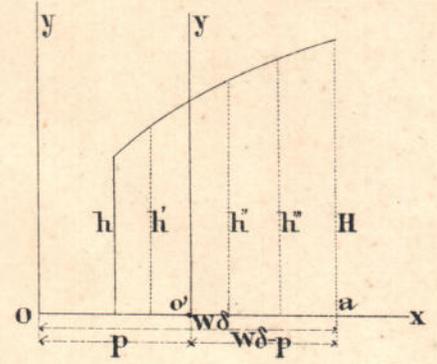
П л а нъ.



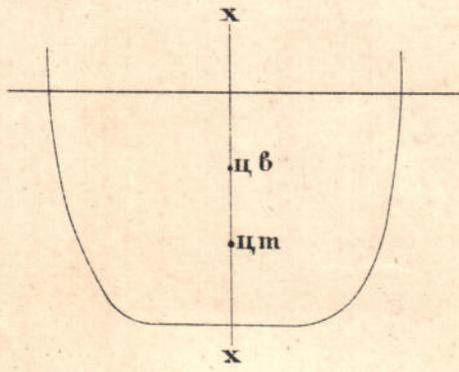
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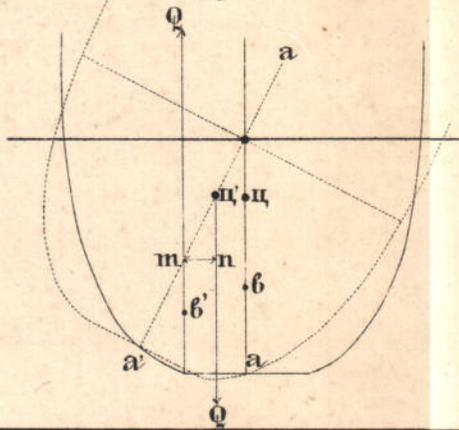
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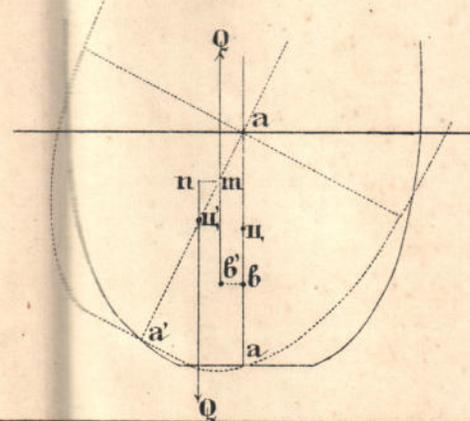
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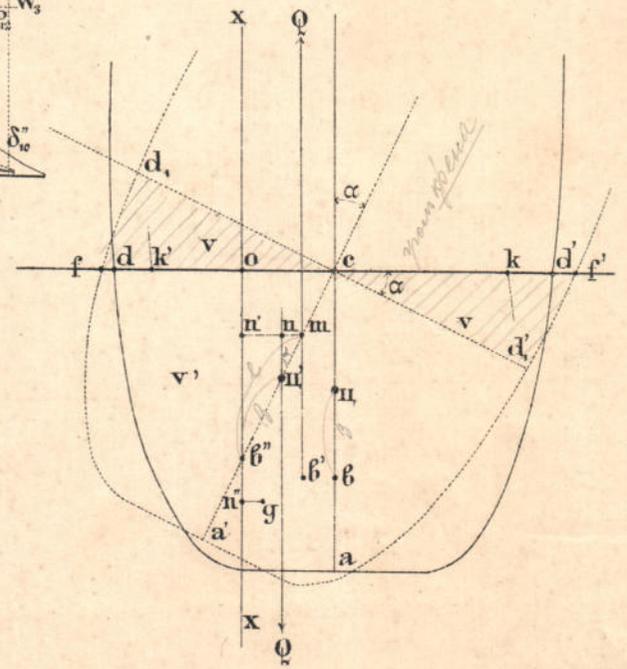
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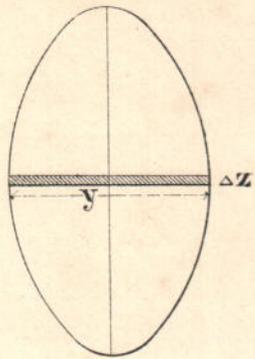
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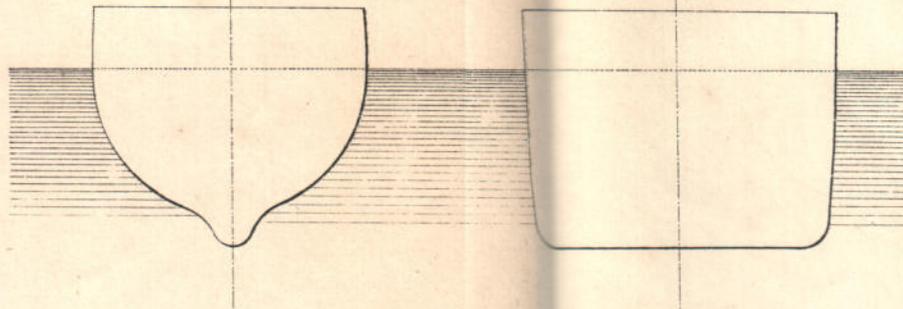
Черт. 33.



Черт. 34.

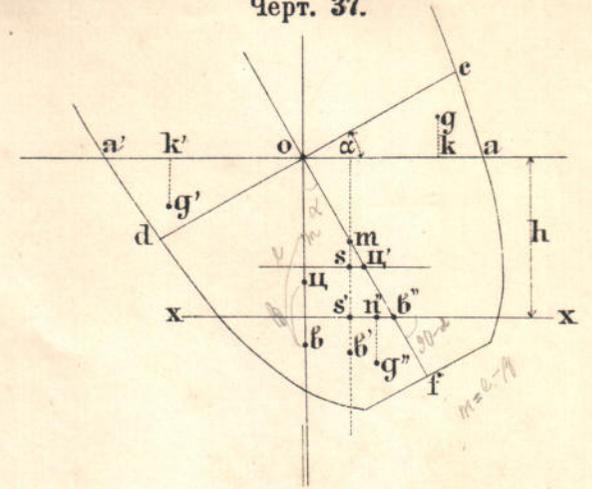


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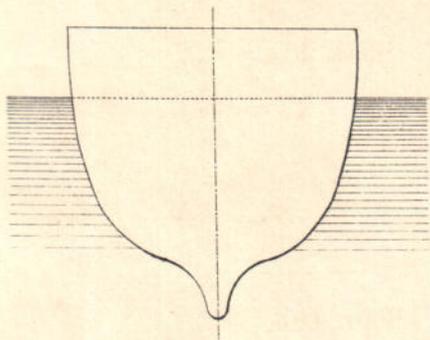


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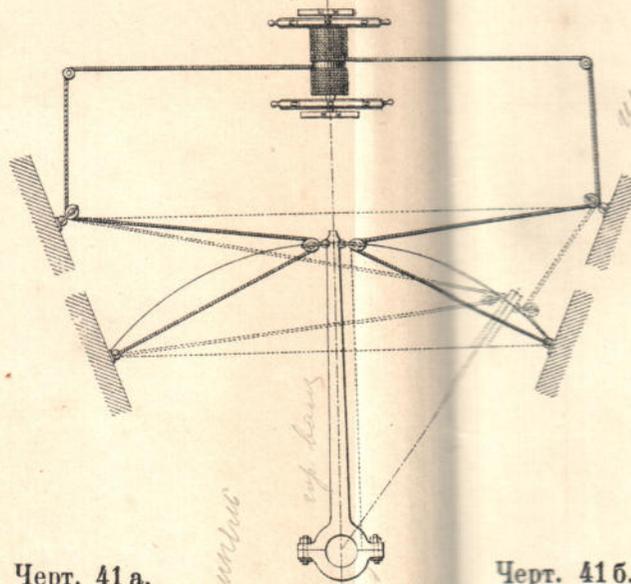
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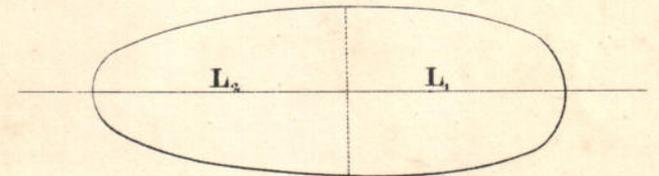
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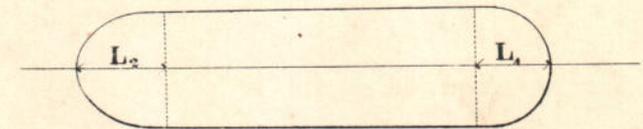
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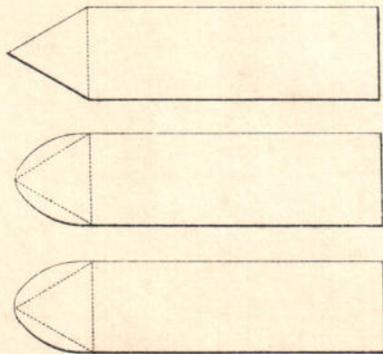
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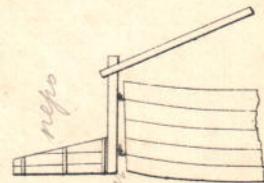
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Черт. 39.



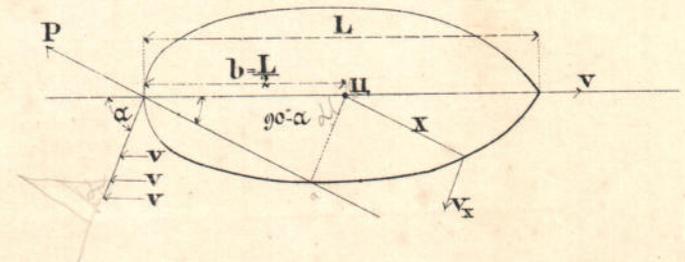
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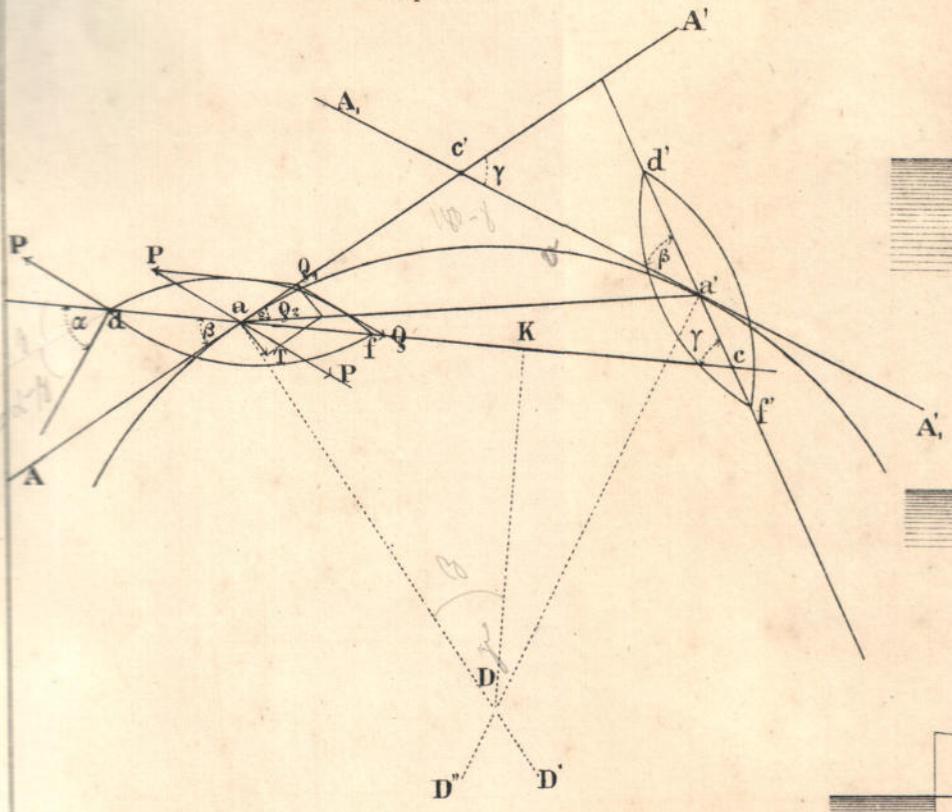
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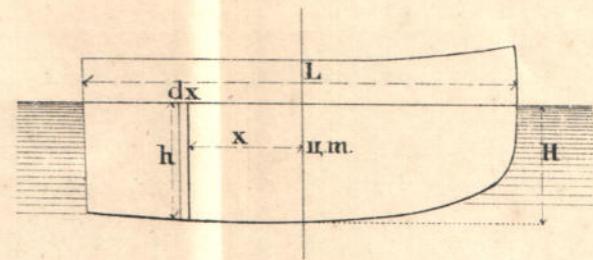
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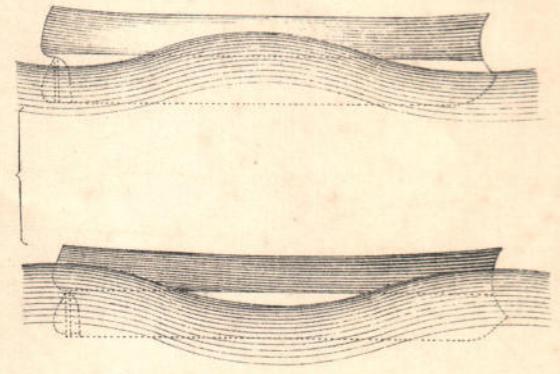
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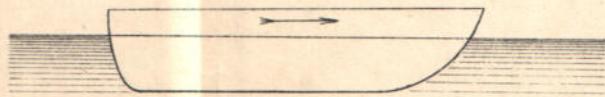
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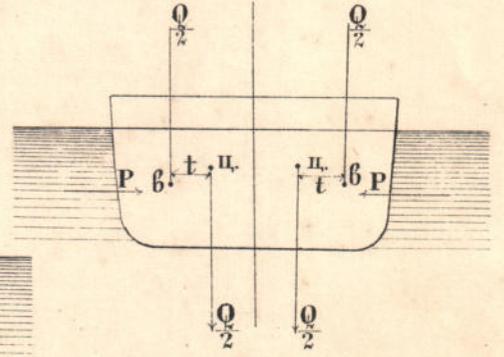
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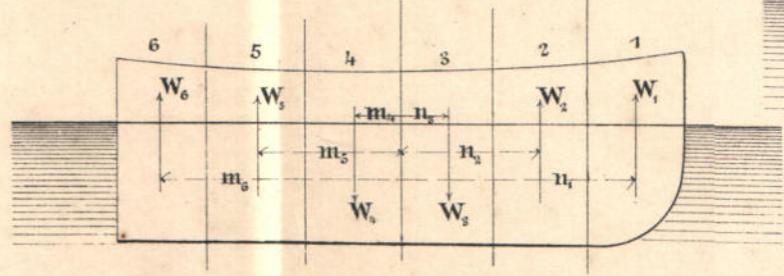
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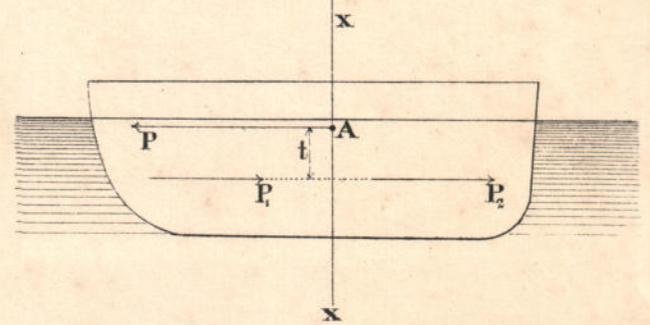
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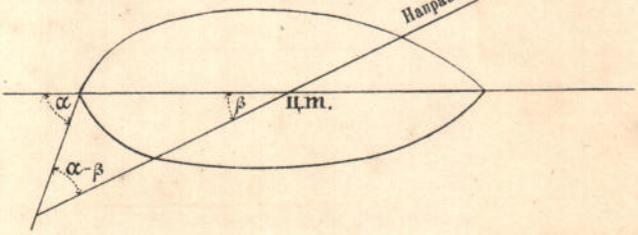
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Черт. 50.

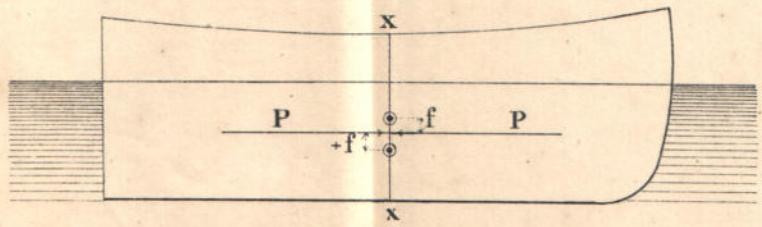


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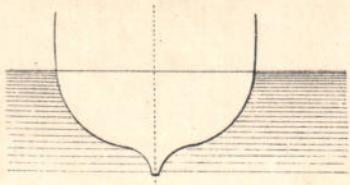


Направление касательной к траектории.

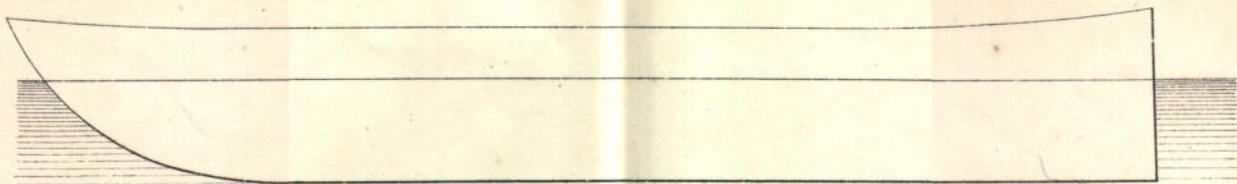
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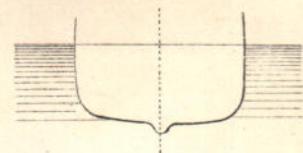
Черт. 51 а.



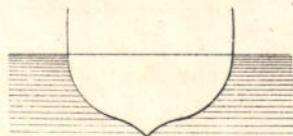
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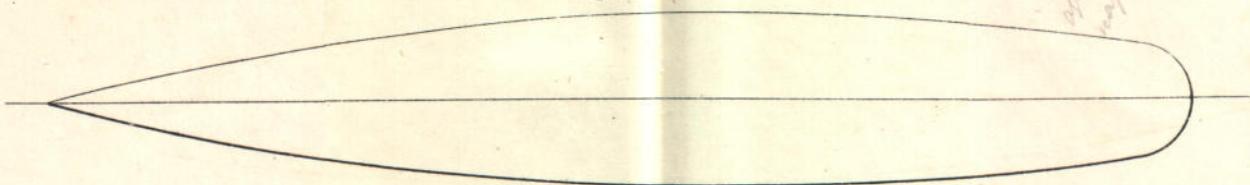
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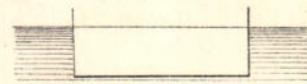
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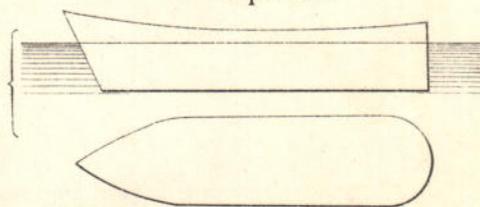
Черт. 51 в.



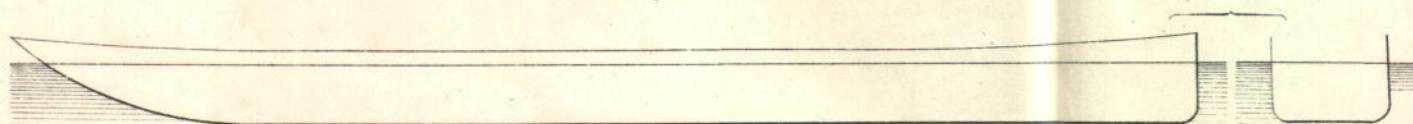
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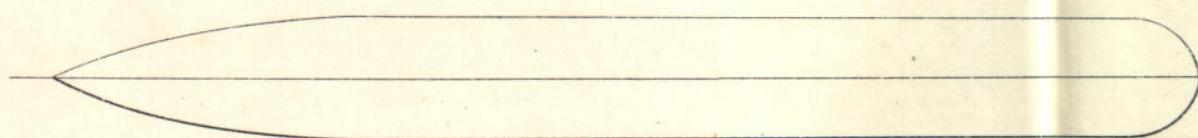
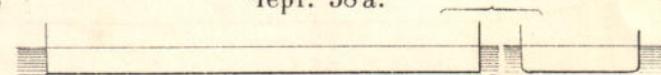
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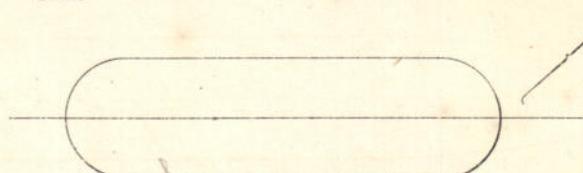
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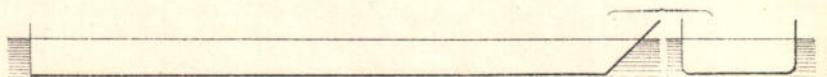
Черт. 58 а.



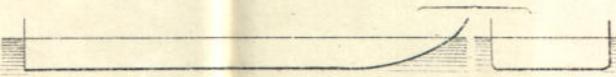
ручки поручня



Черт. 57.

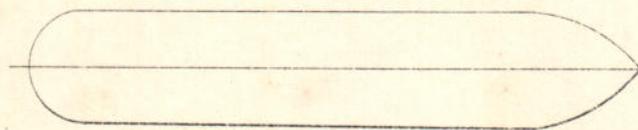
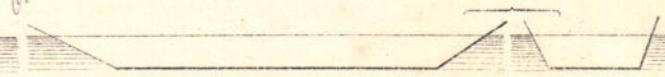


Черт. 58 б.

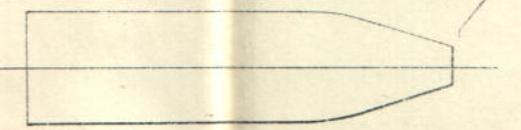


откидывающийся судья

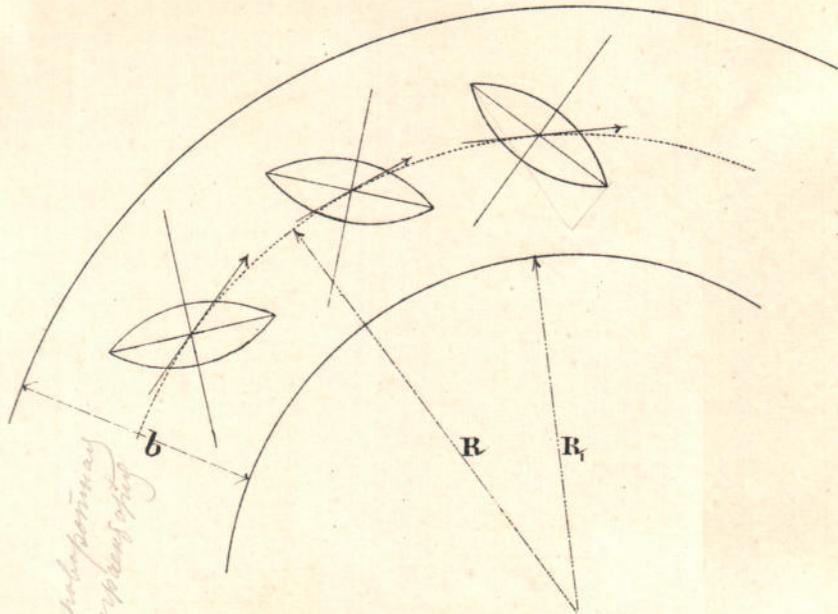
Черт. 58 в.



ручки судья



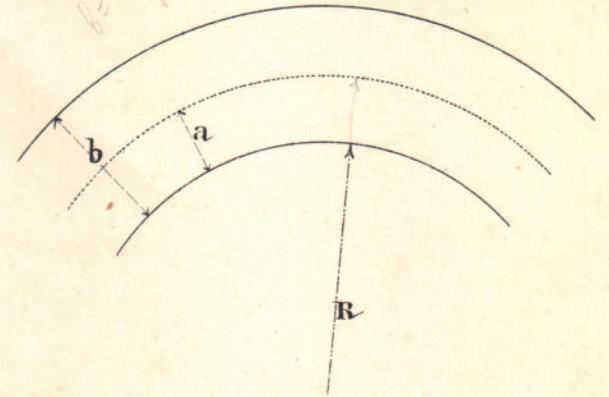
Черт. 59.



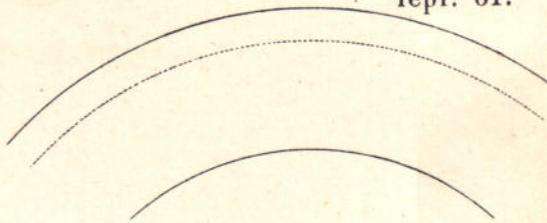
Черт. 60.



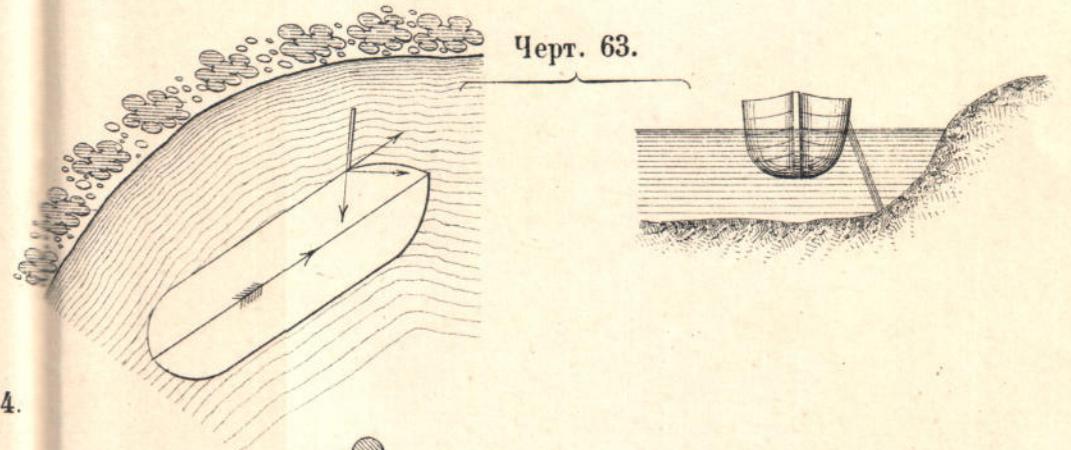
Черт. 62.



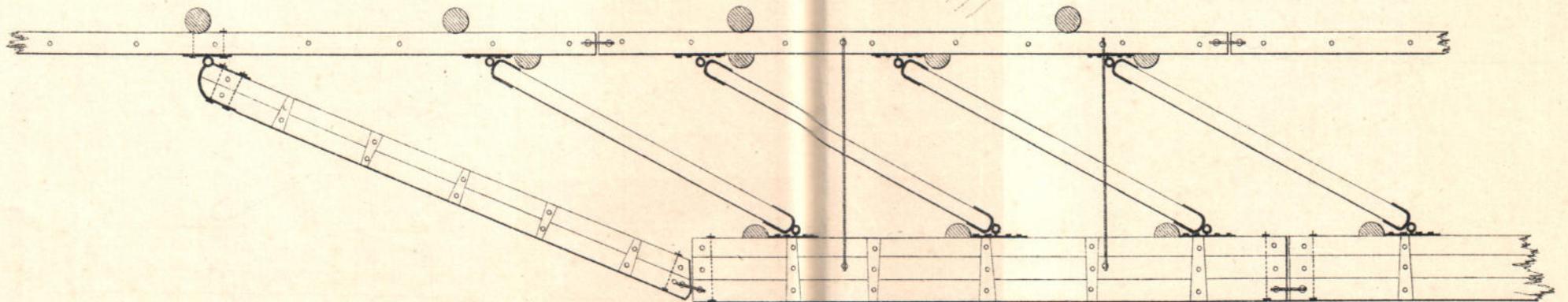
Черт. 61.



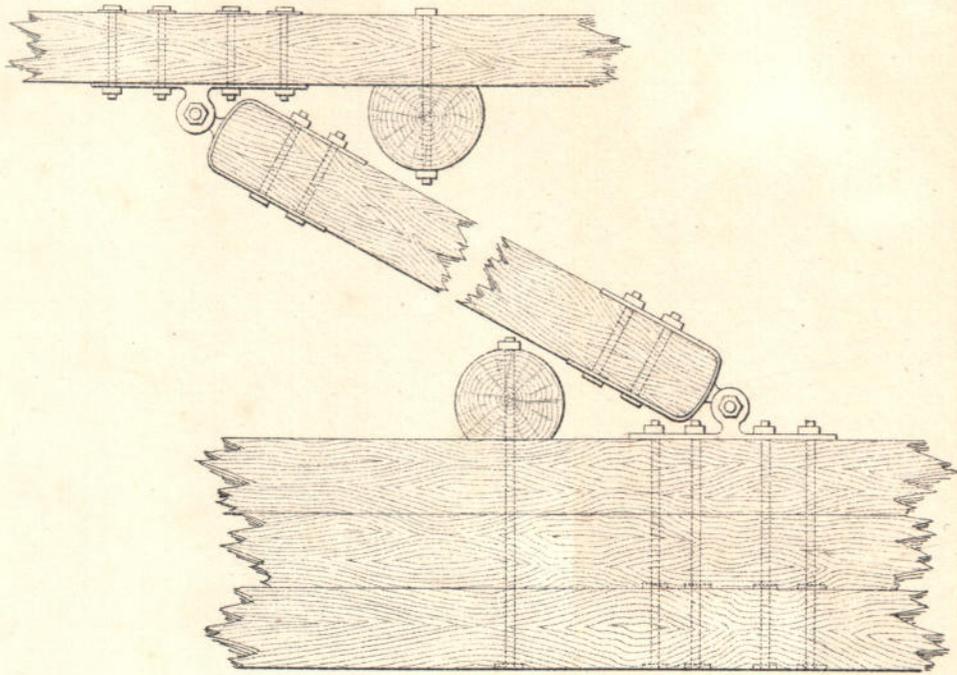
Черт. 63.



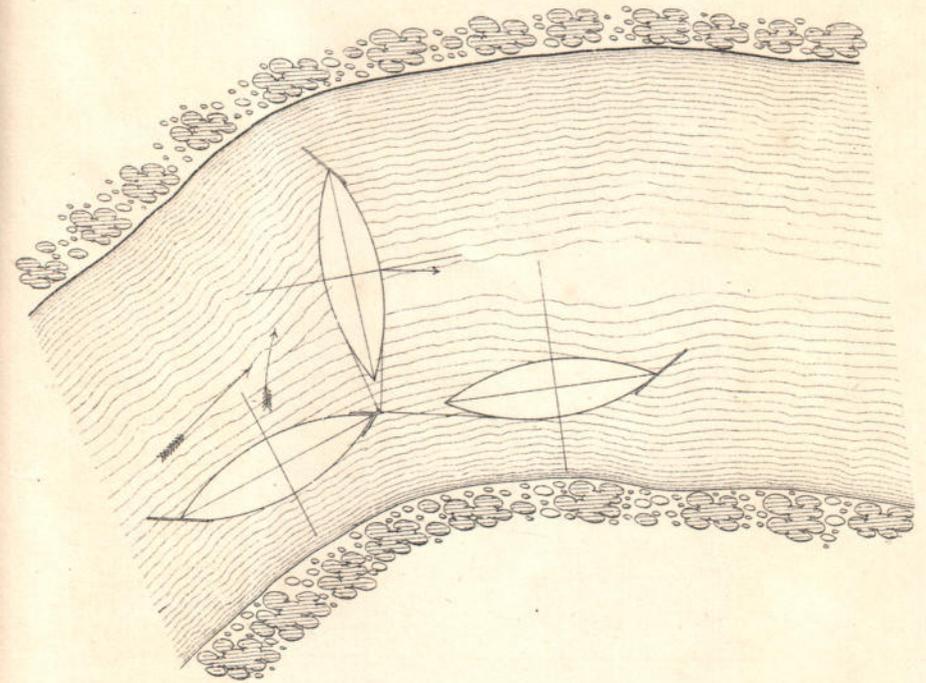
Черт. 64.



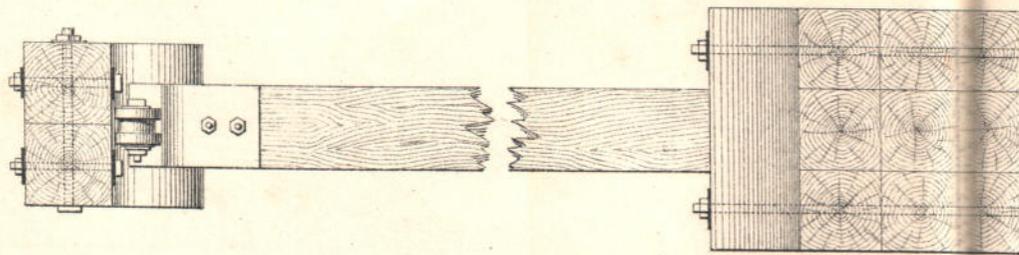
Черт. 65. а.



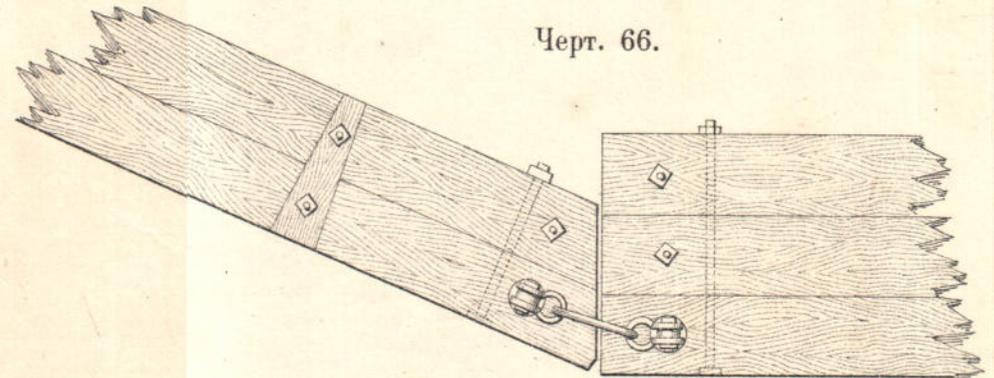
Черт. 67.

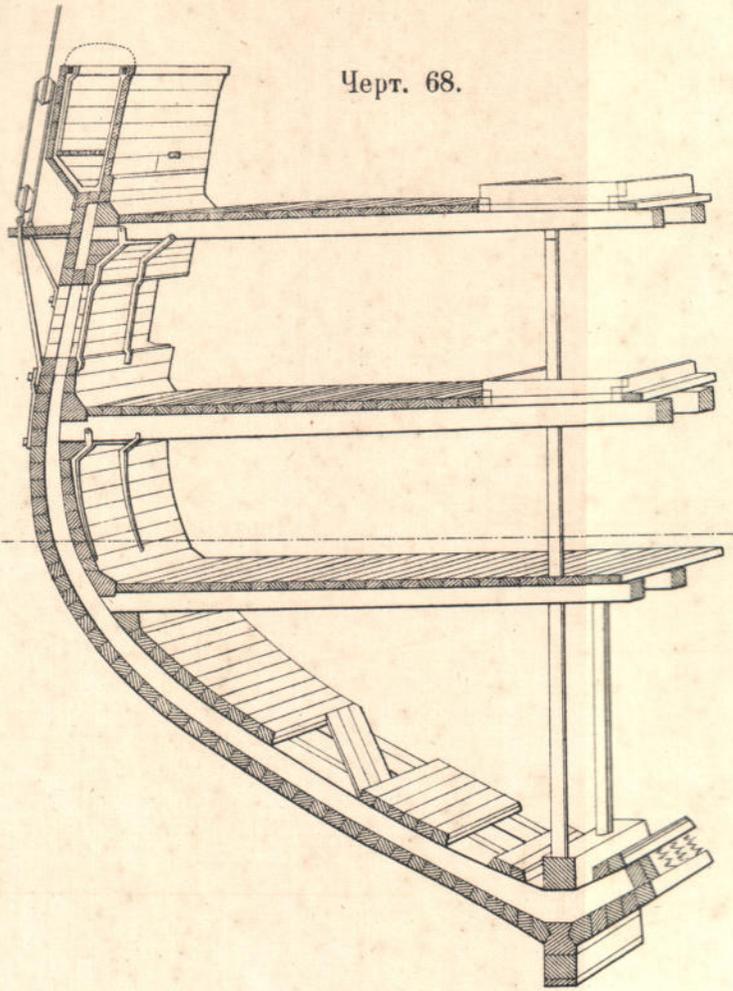


Черт. 65. б.

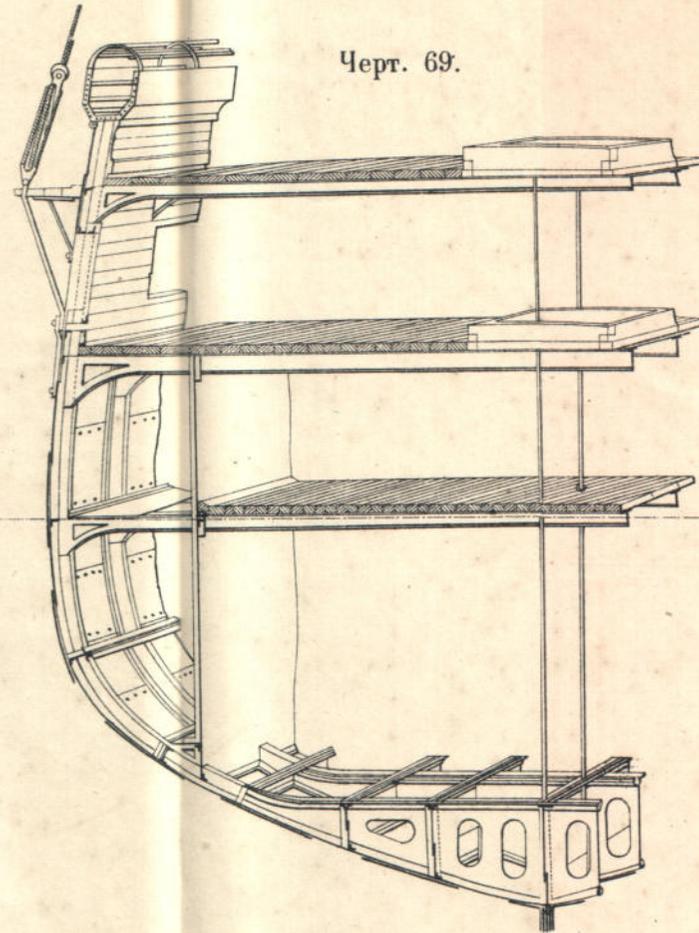


Черт. 66.

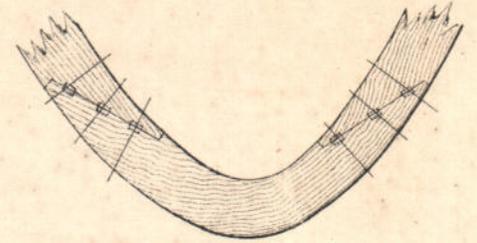




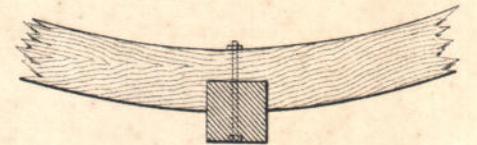
Черт. 68.



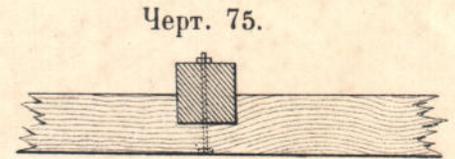
Черт. 69.



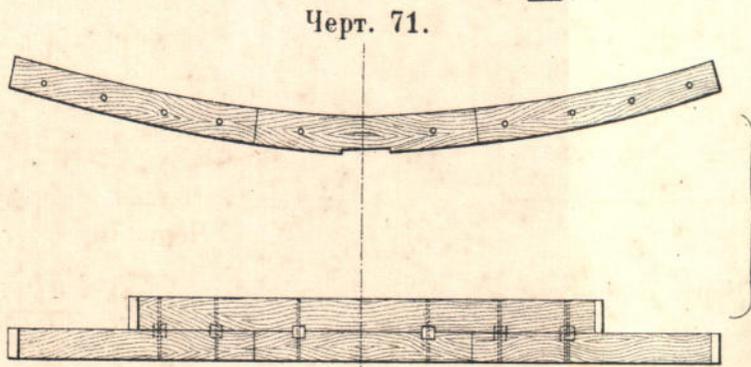
Черт. 70.



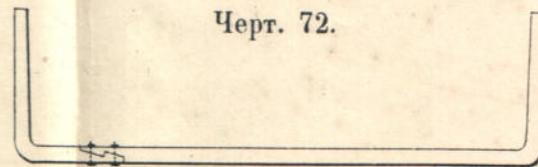
Черт. 74.



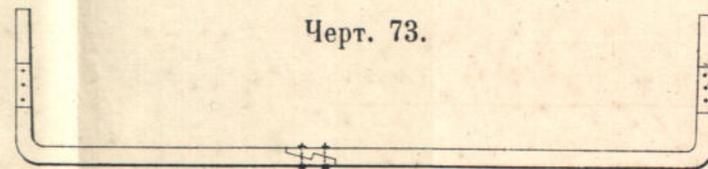
Черт. 75.



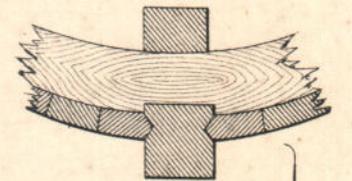
Черт. 71.



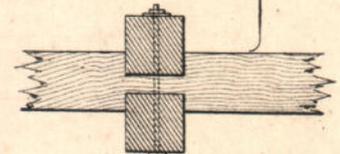
Черт. 72.



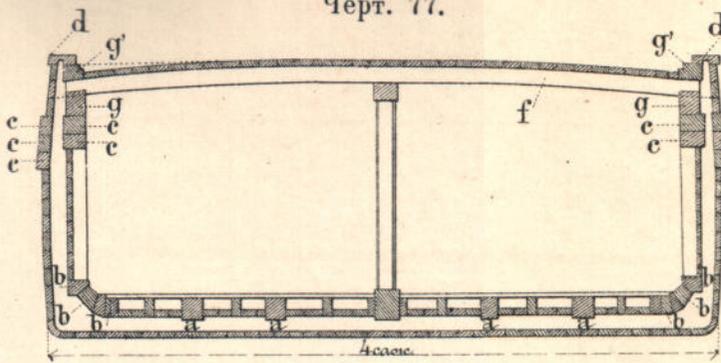
Черт. 73.



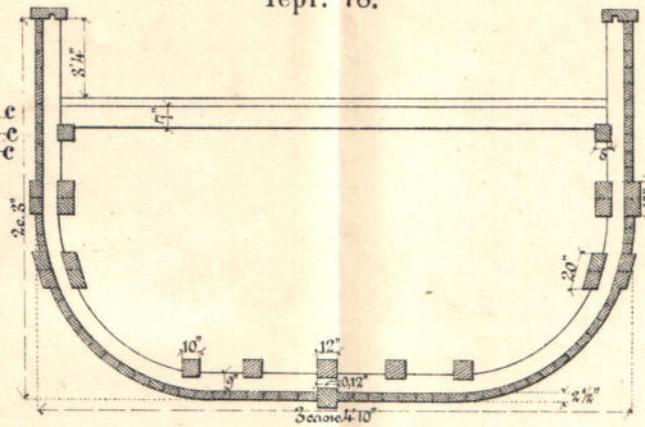
Черт. 76.



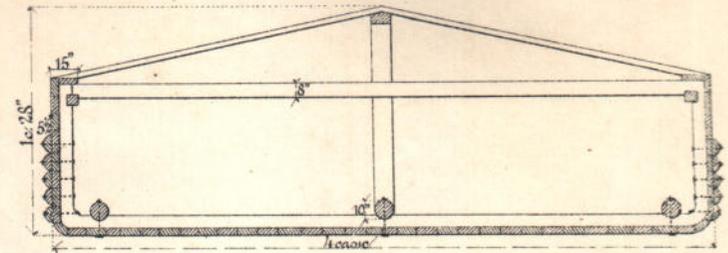
Черт. 77.



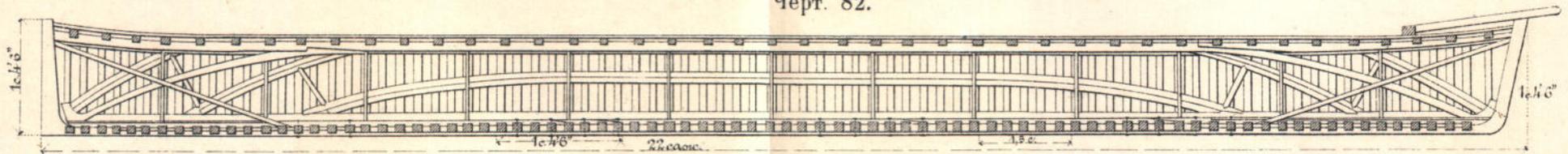
Черт. 78.



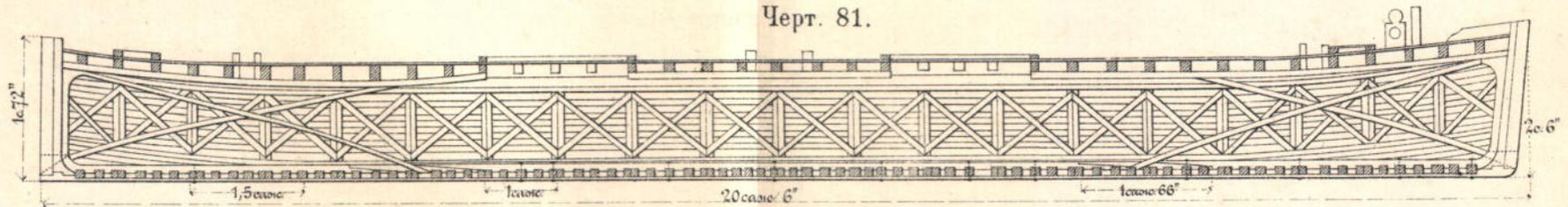
Черт. 79.



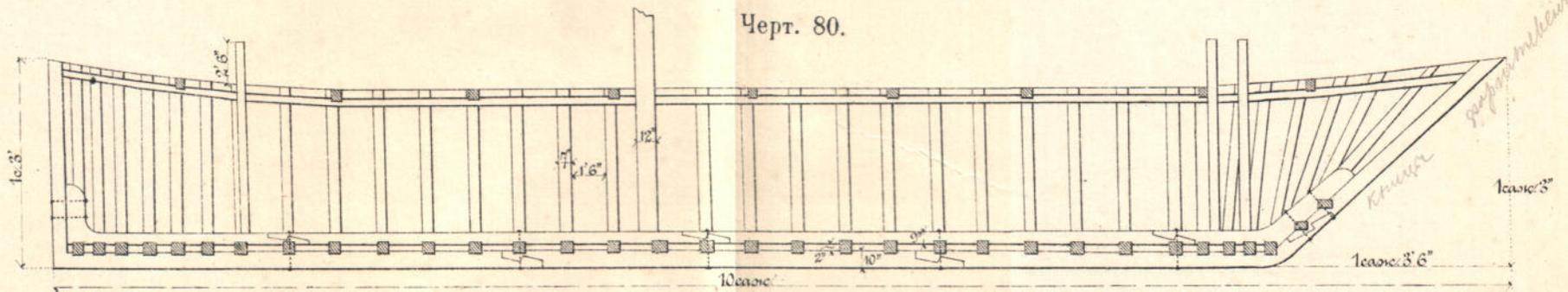
Черт. 82.

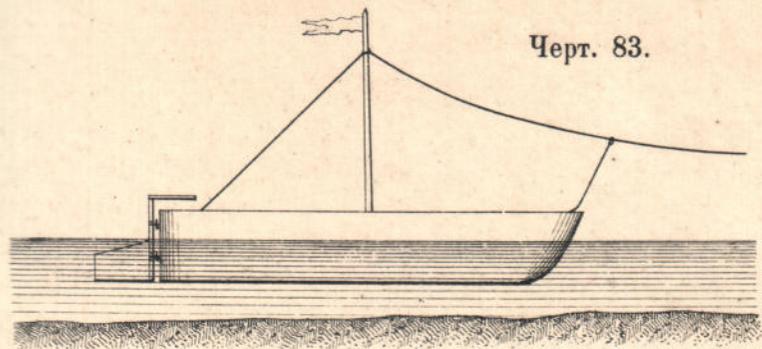


Черт. 81.

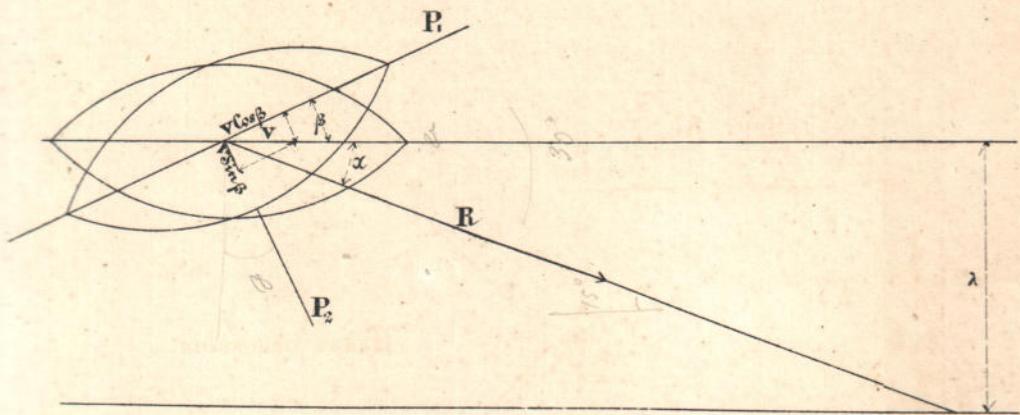


Черт. 80.

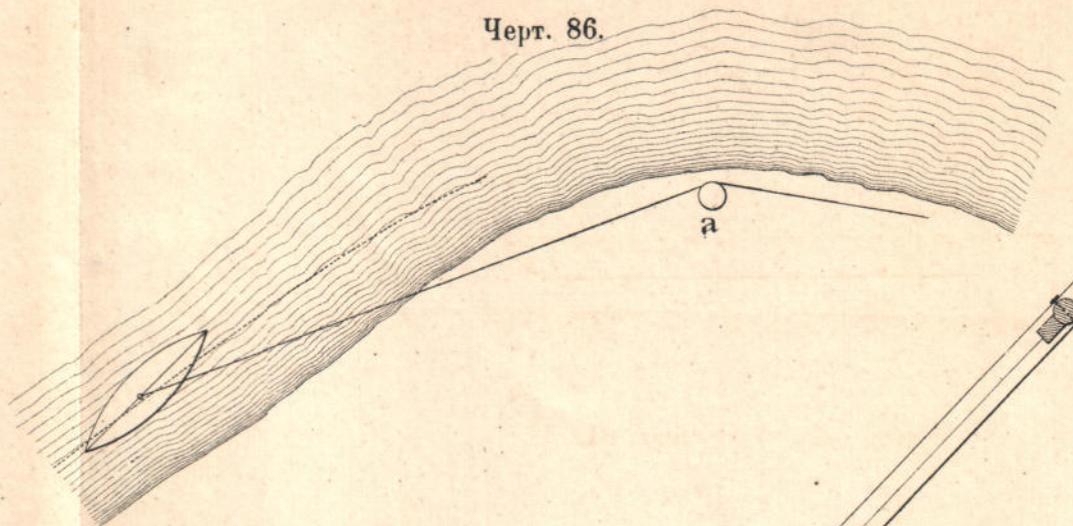
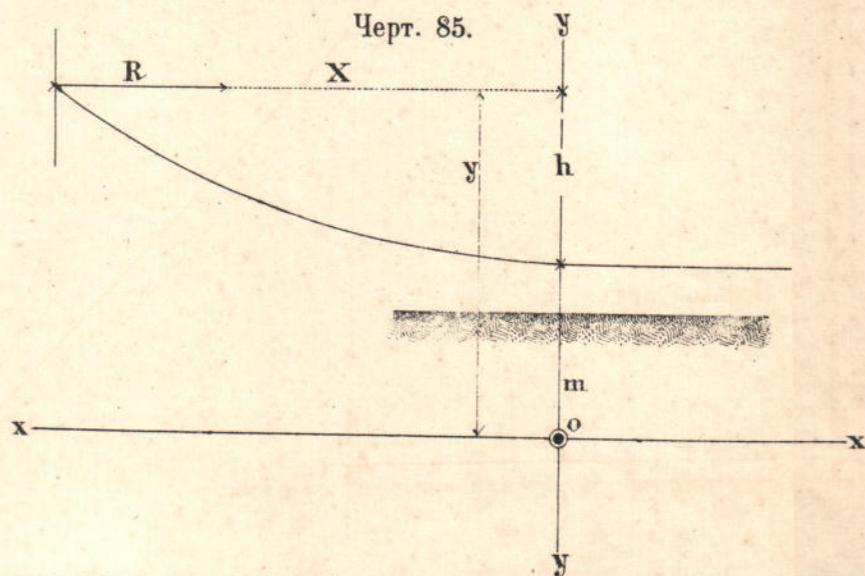




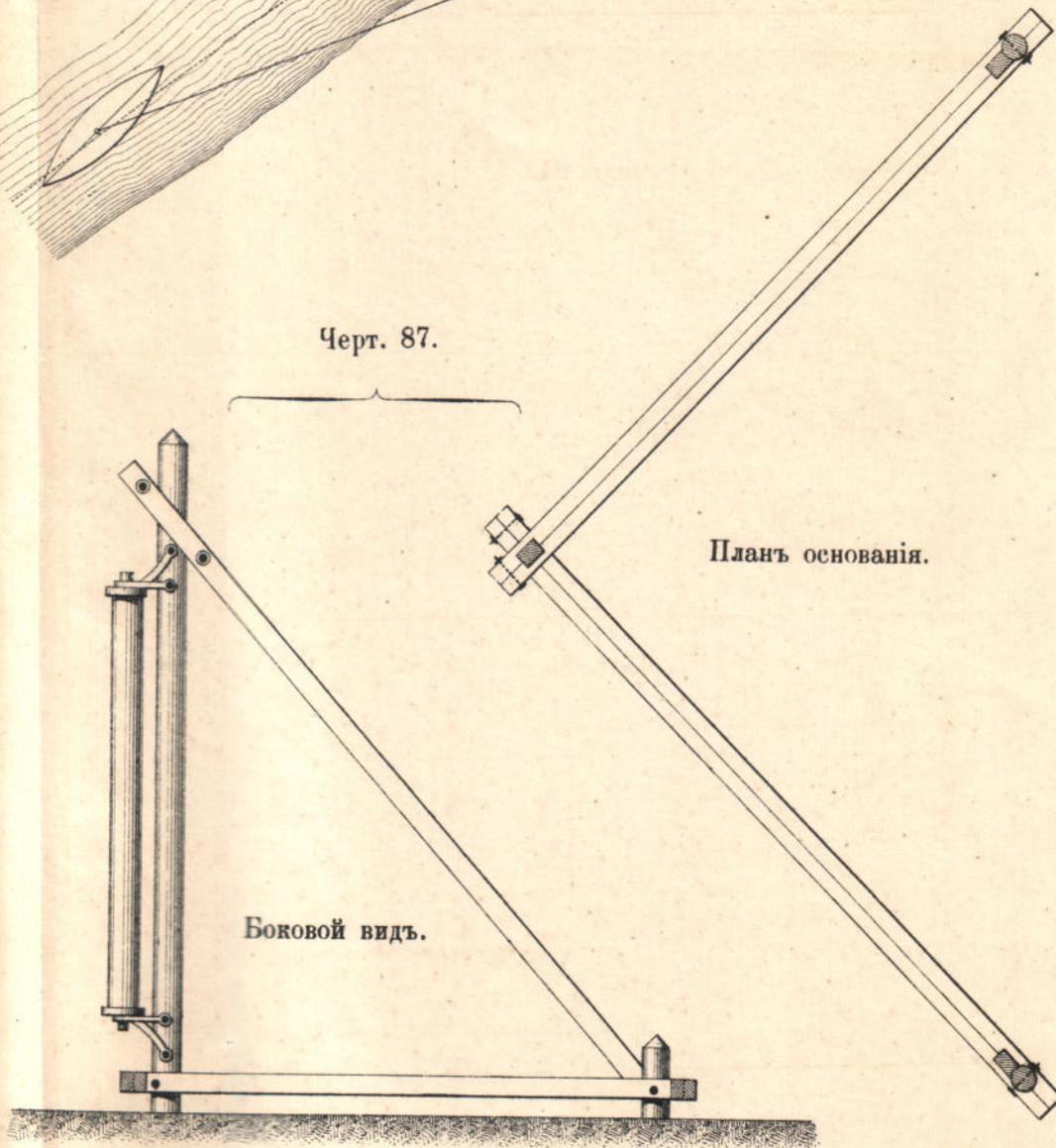
Черт. 84.



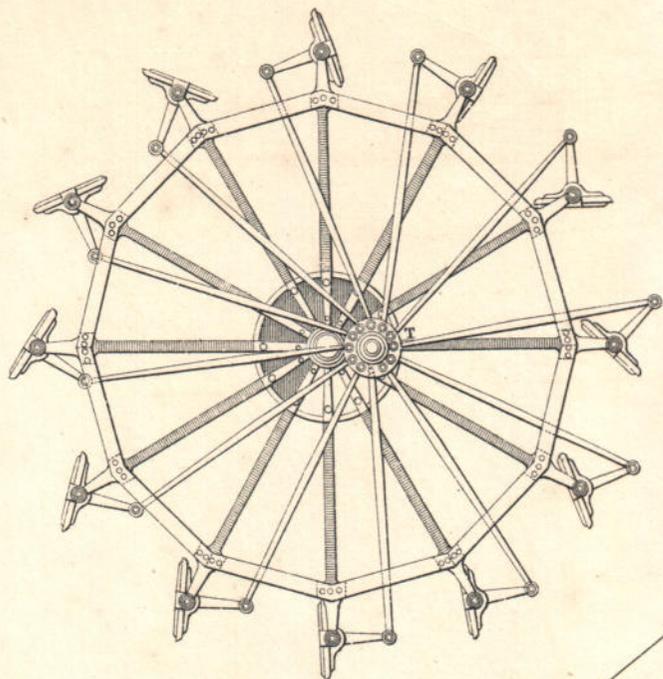
Черт. 85.



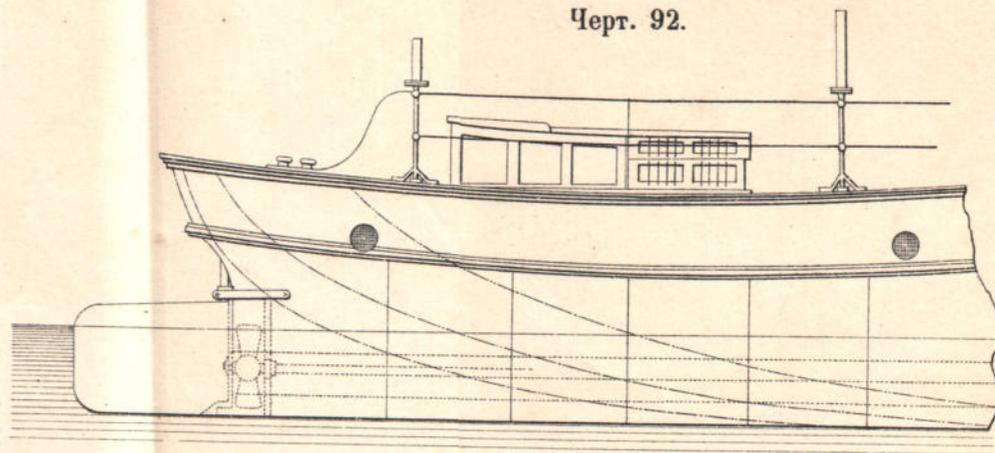
Черт. 87.



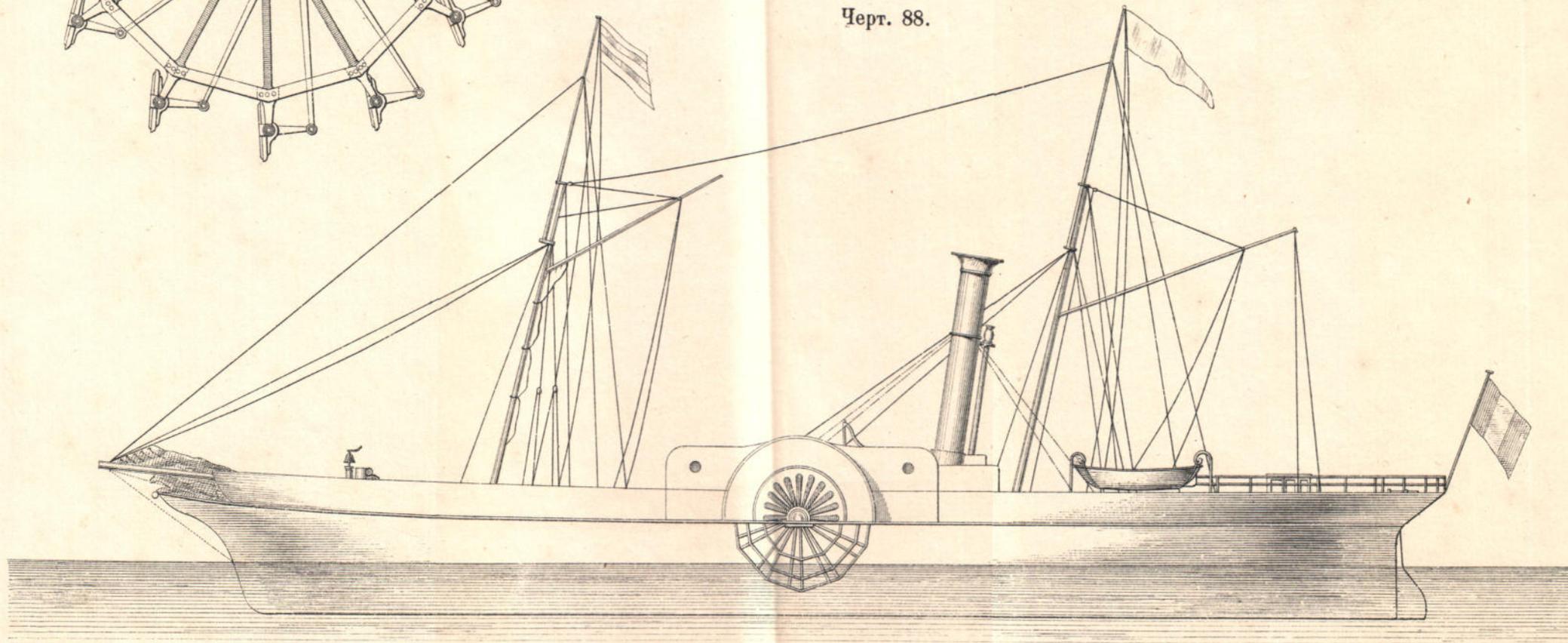
Черт. 91.



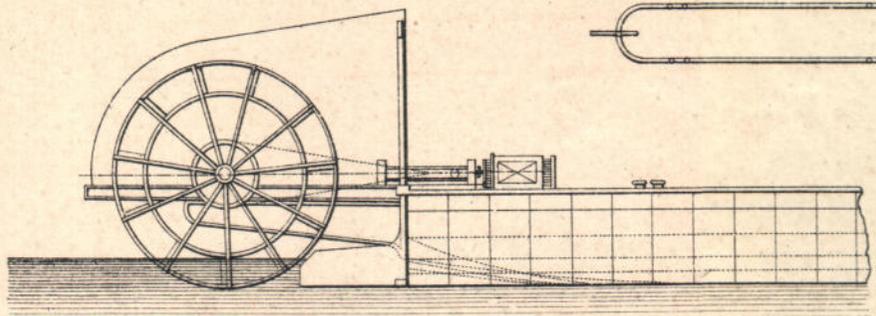
Черт. 92.



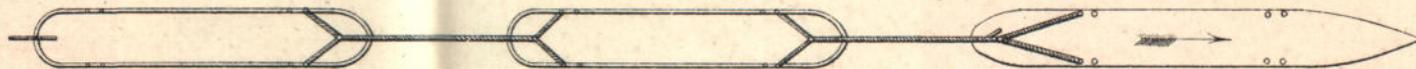
Черт. 88.



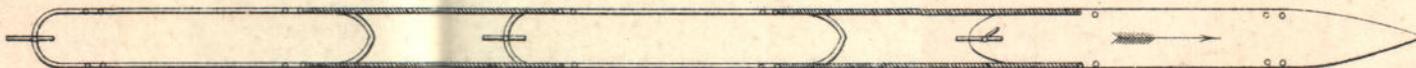
Черт. 89.



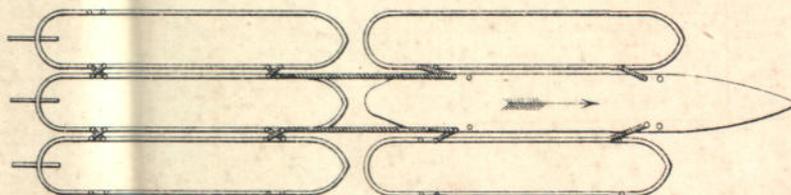
Черт. 95.



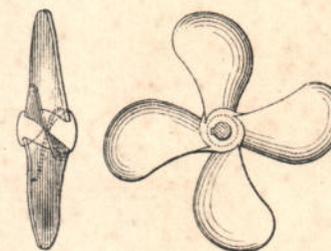
Черт. 96.



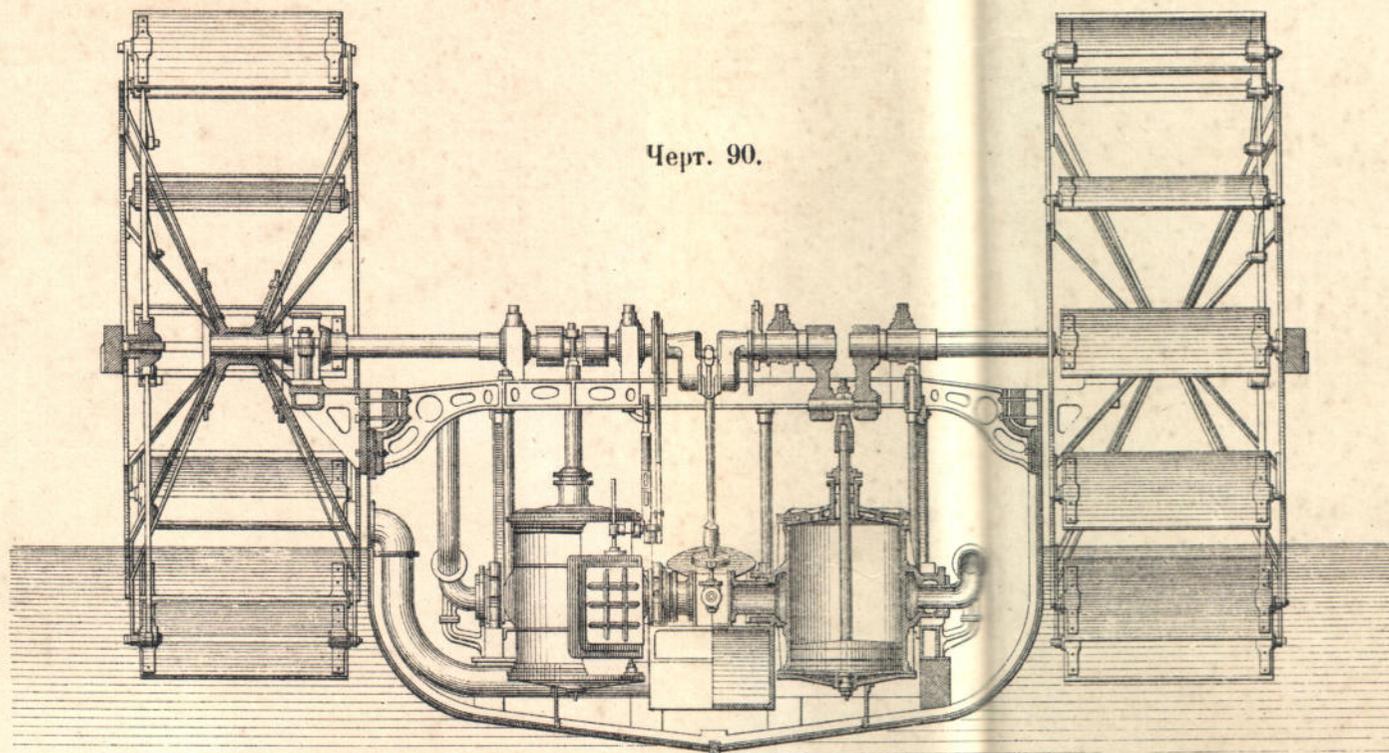
Черт. 97.



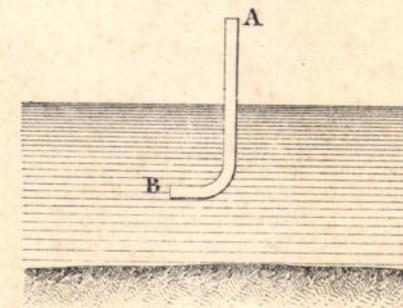
Черт. 93.



Черт. 90.



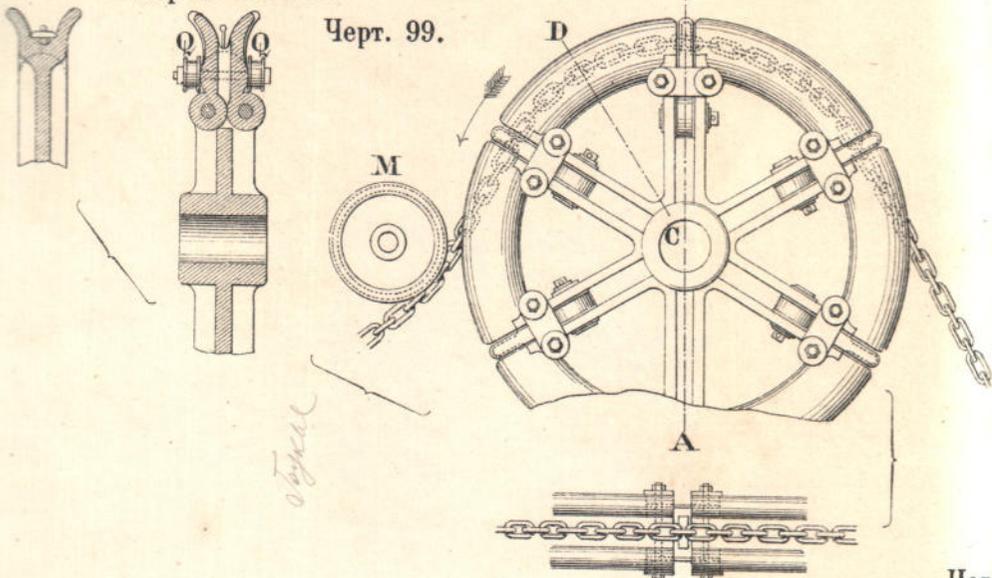
Черт. 94.



Разрѣзь по С D.

Разрѣзь по А В.

Черт. 99.



Фасадъ.

В

D

А

Планъ.

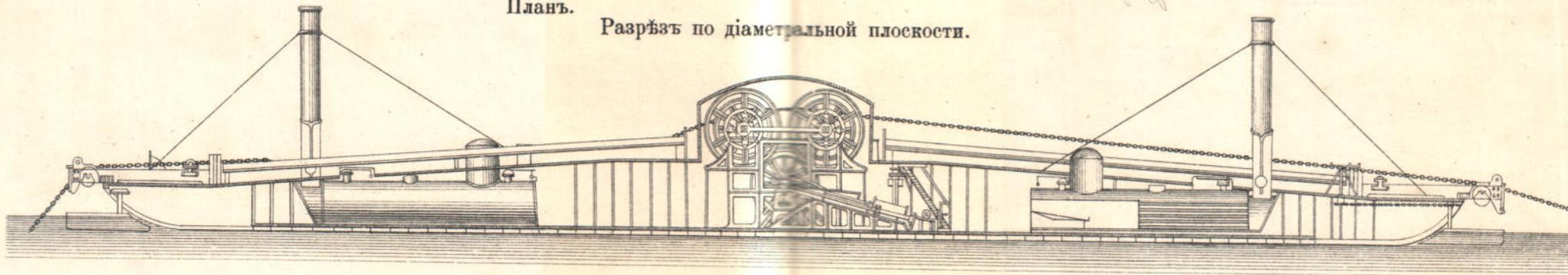
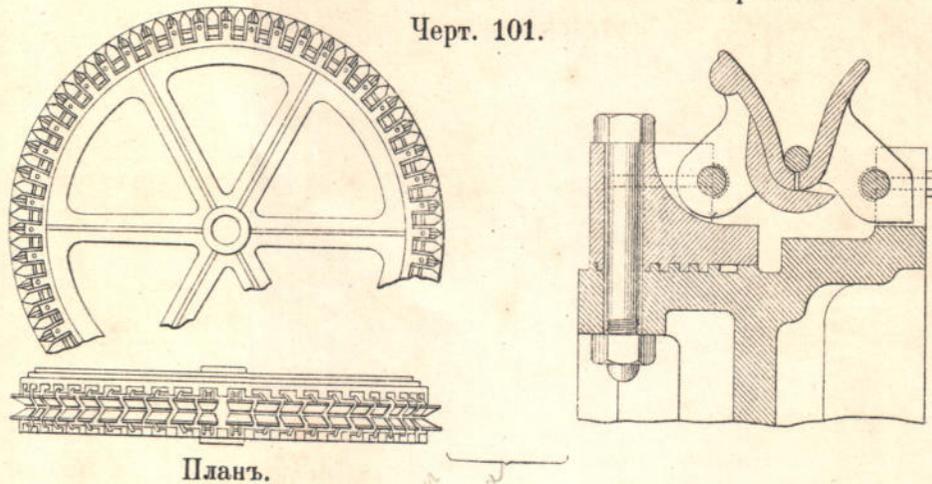
Черт. 98.

Разрѣзь по діаметральной плоскости.

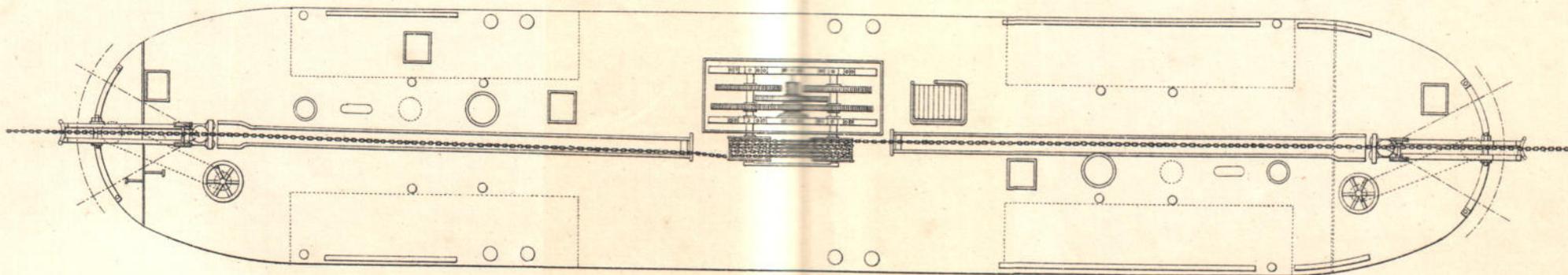
Фасадъ.

Черт. 101.

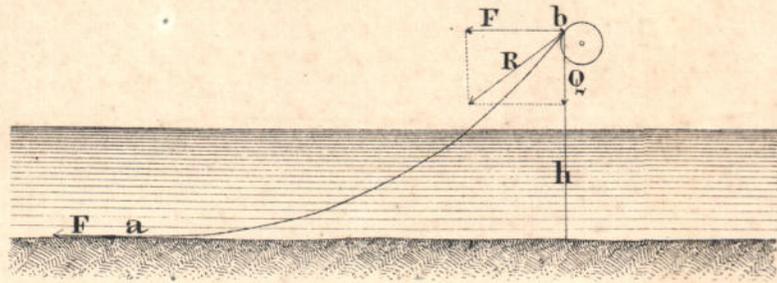
Разрѣзь.



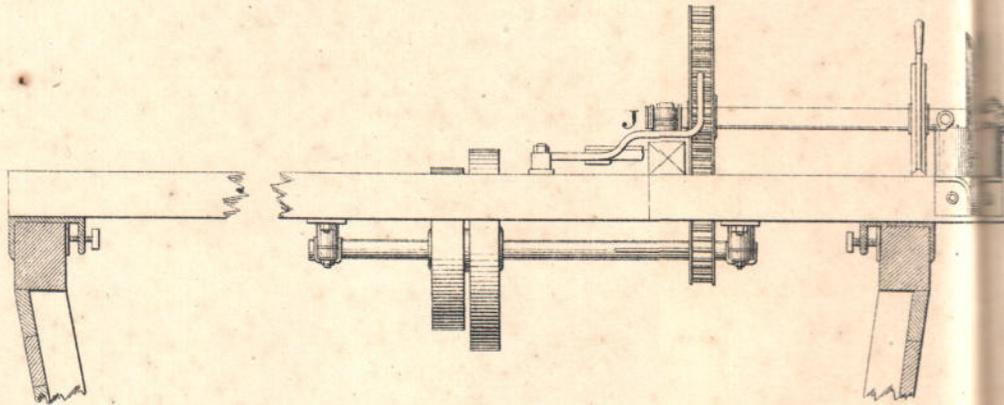
Планъ.



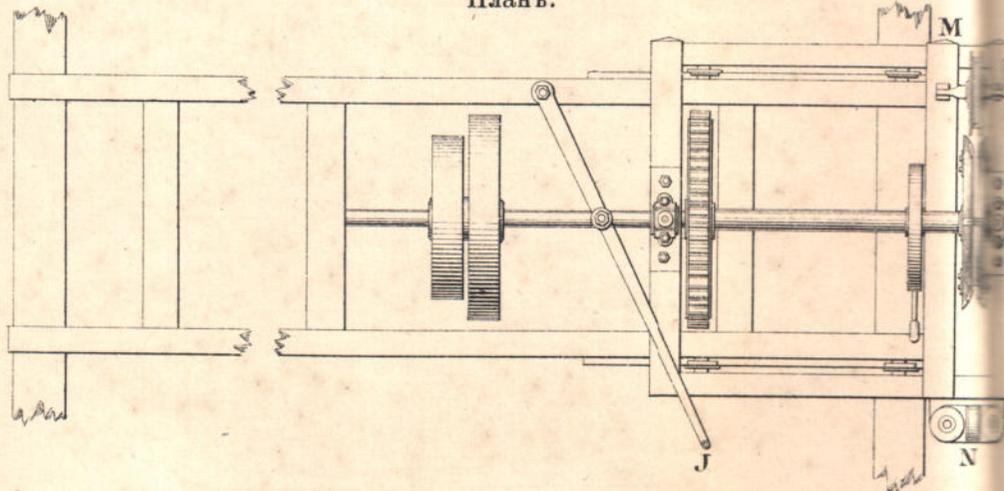
Черт. 104.



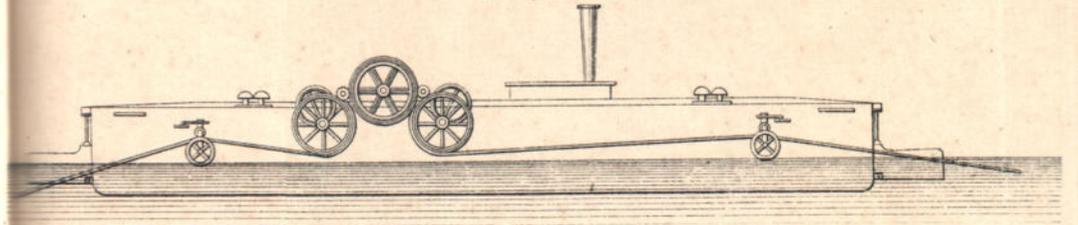
Боковой видъ.



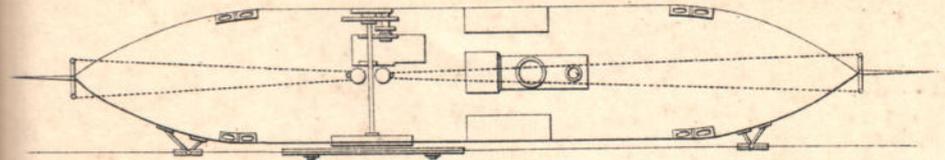
Планъ.



Черт. 102.
Фасадъ.

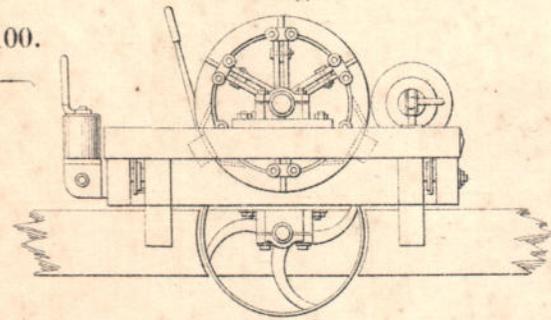


Планъ.

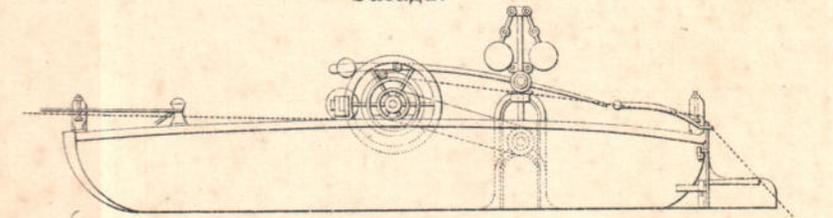


Фасадъ.

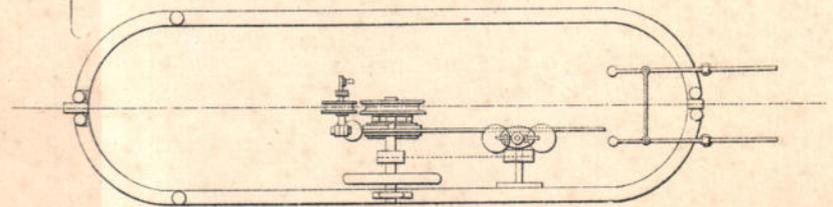
Черт. 100.



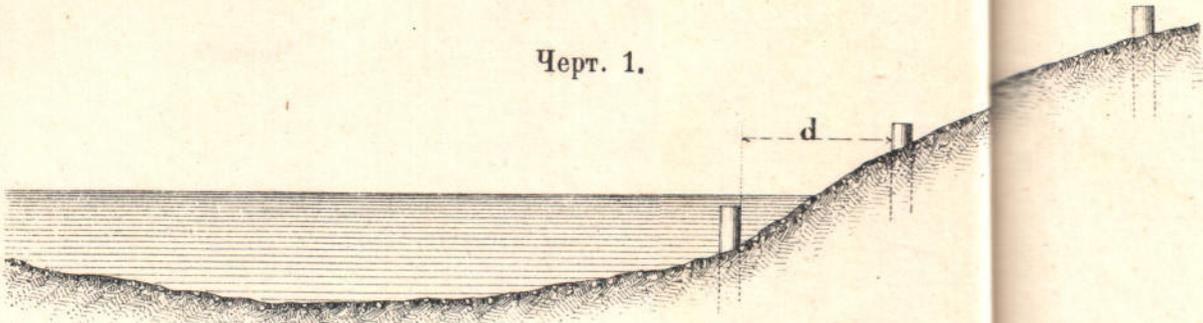
Черт. 103.
Фасадъ.



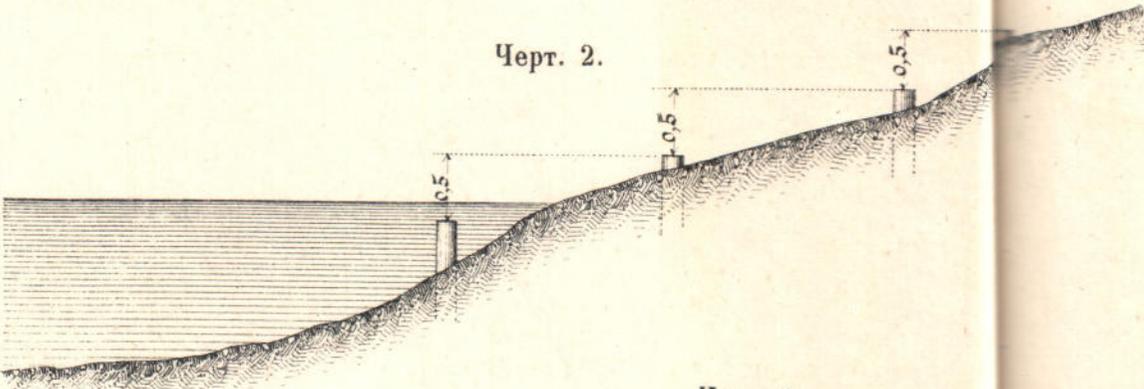
Планъ.



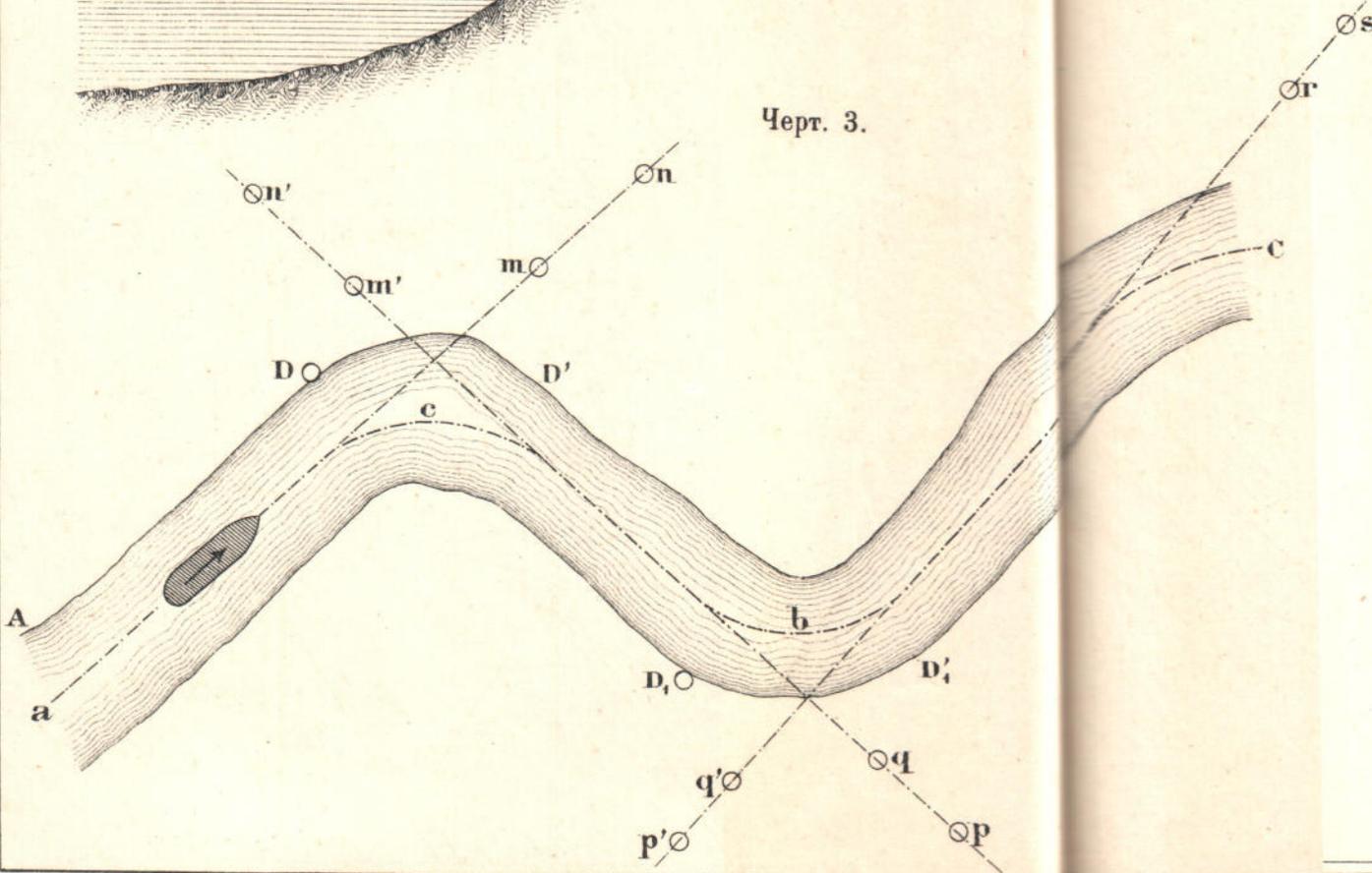
Черт. 1.



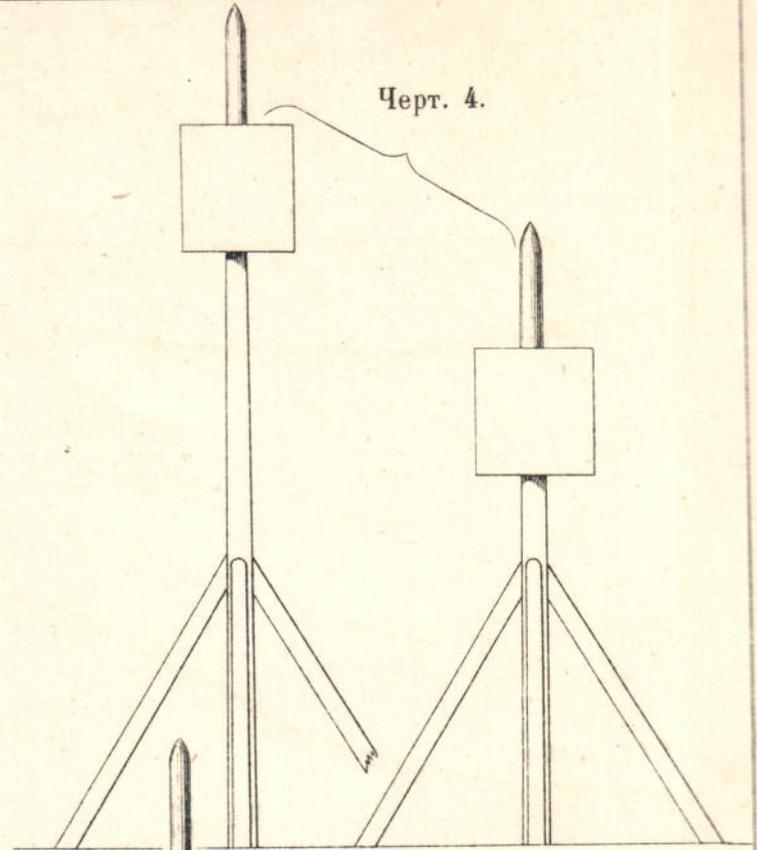
Черт. 2.



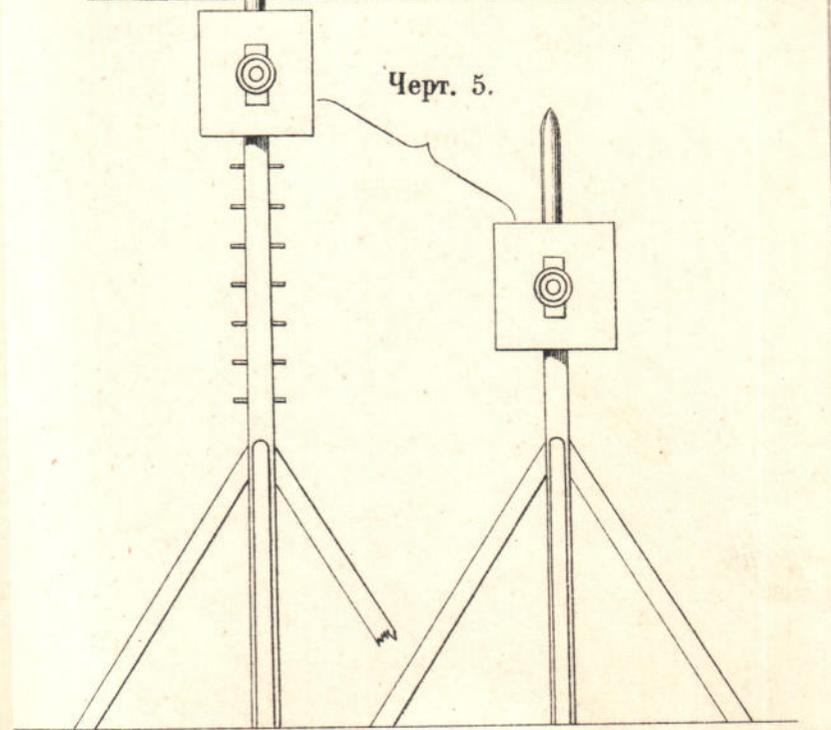
Черт. 3.



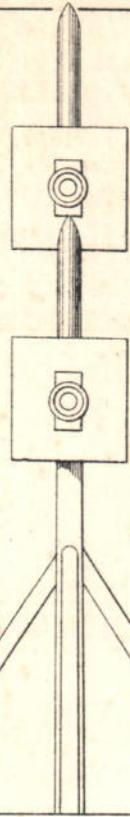
Черт. 4.



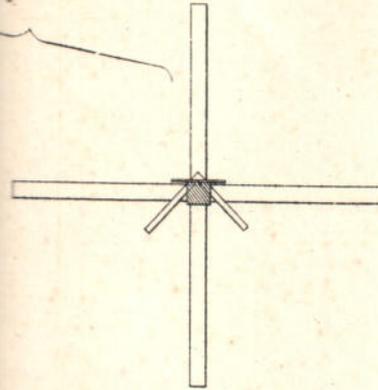
Черт. 5.



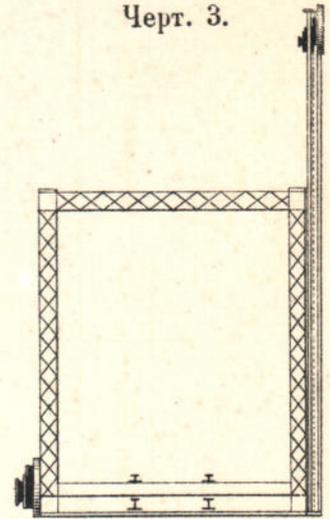
Черт. 1.



Черт. 2.



Черт. 3.



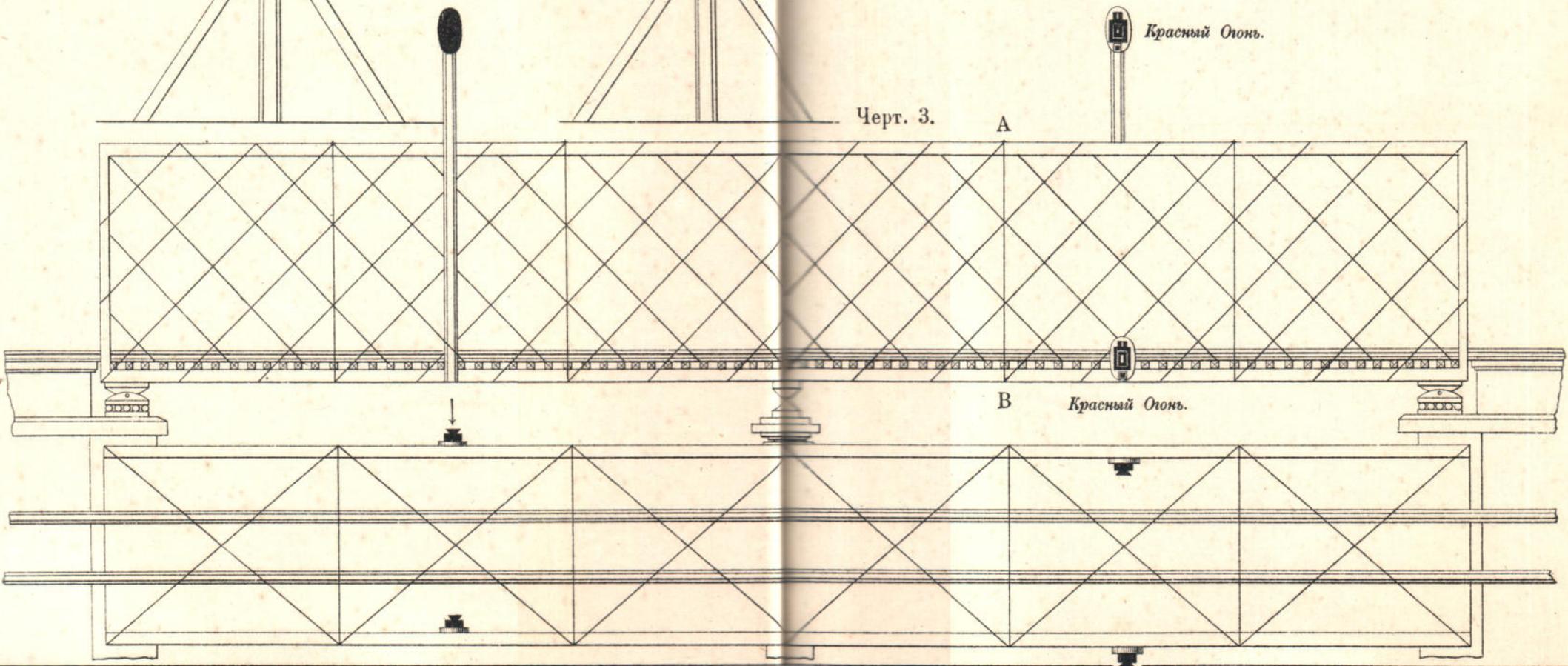
Красный Огонь.

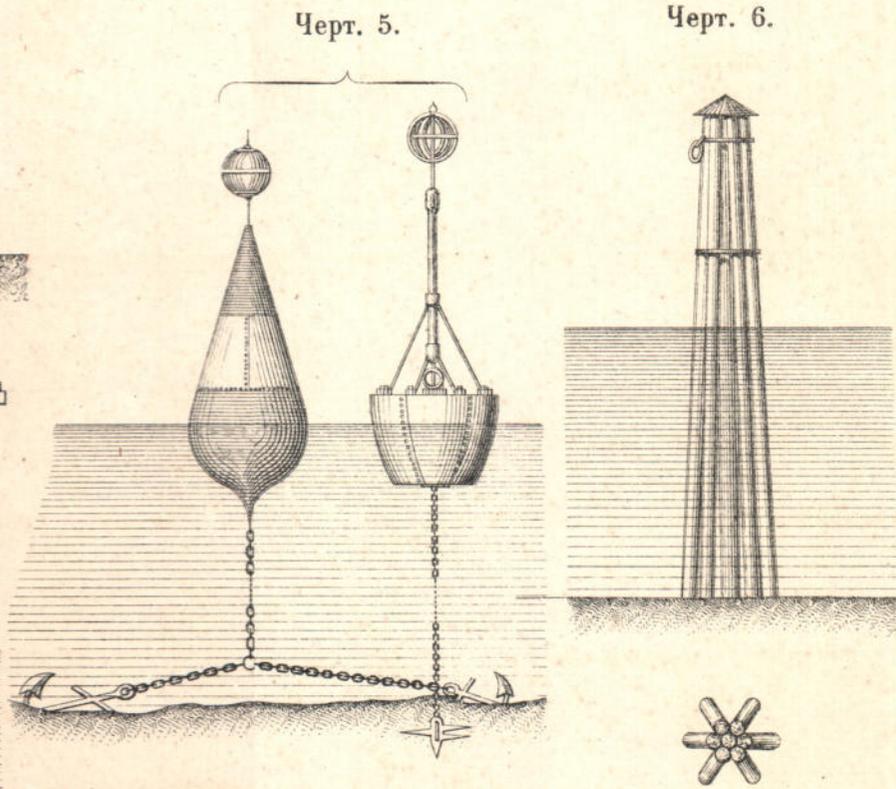
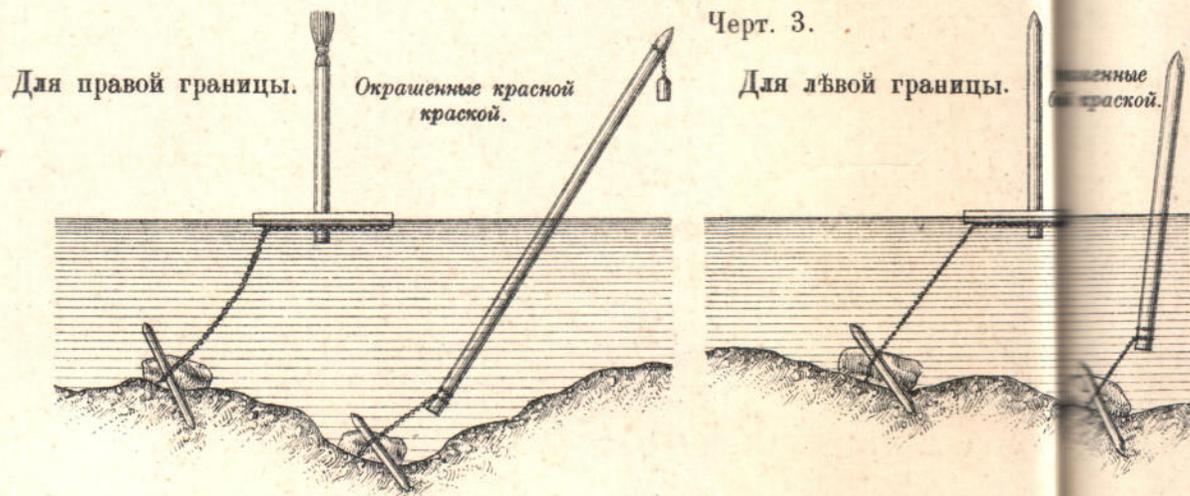
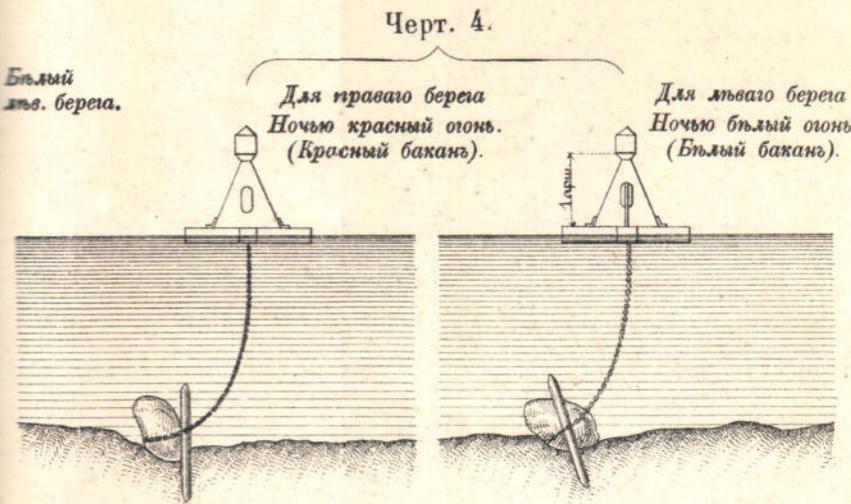
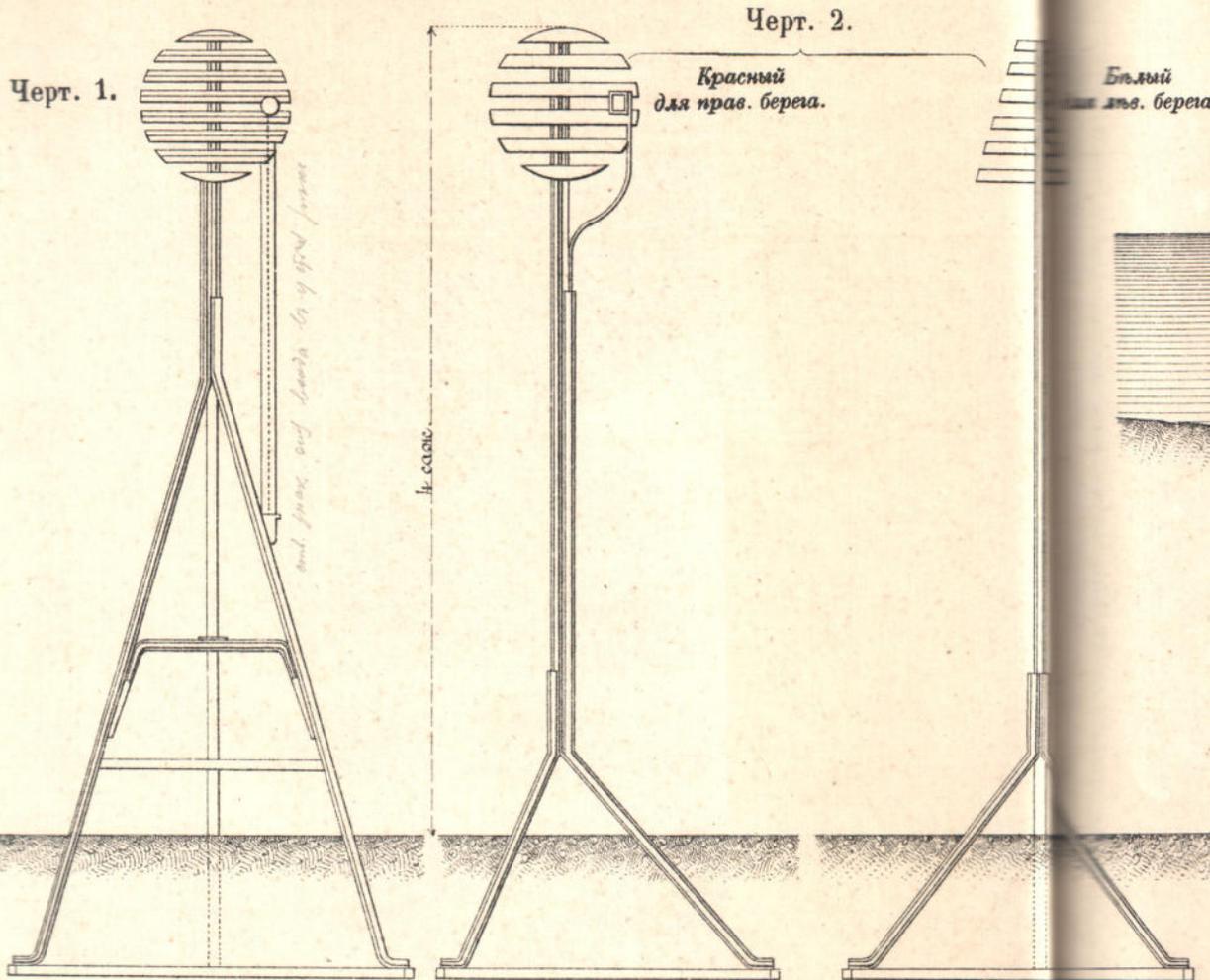
Черт. 3.

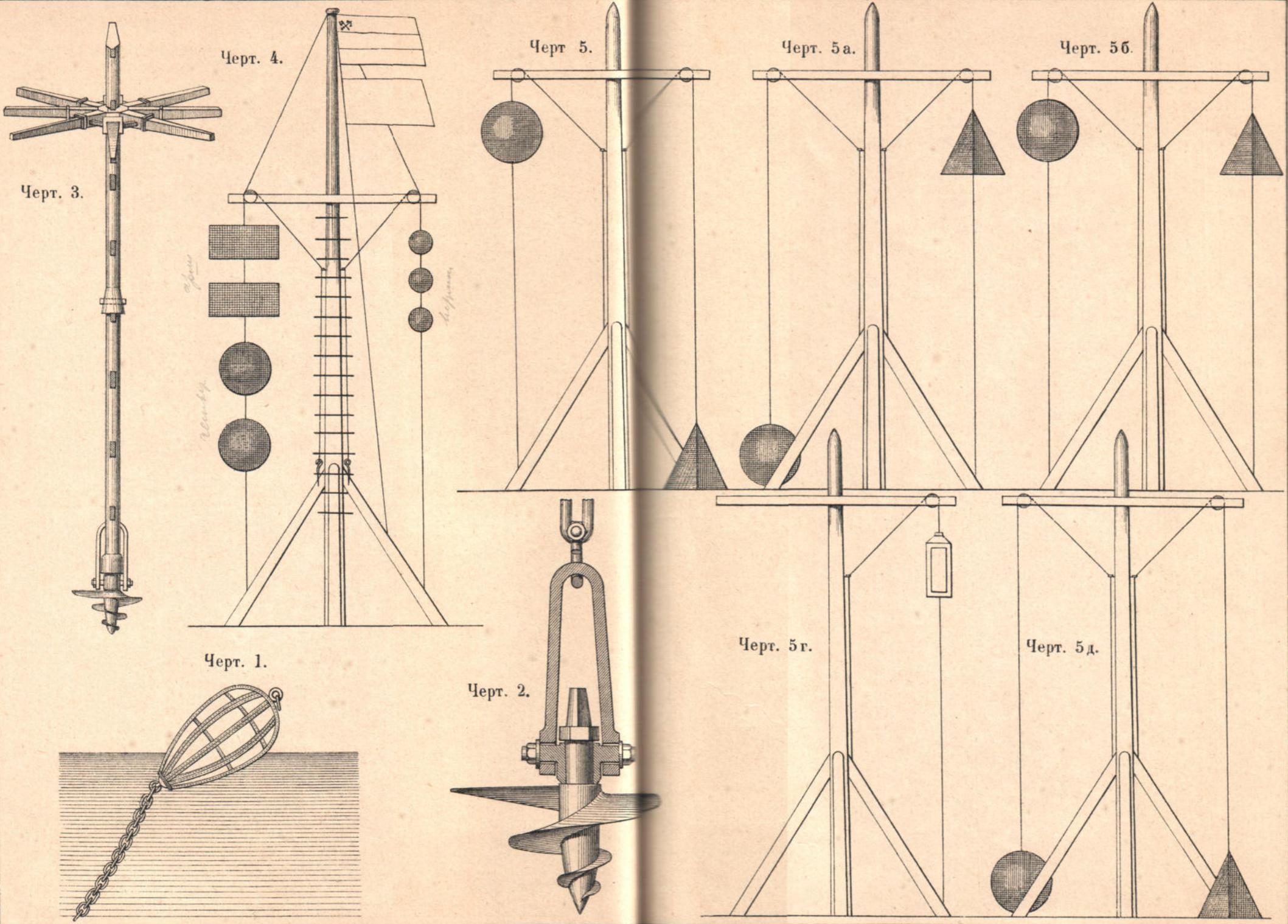
А

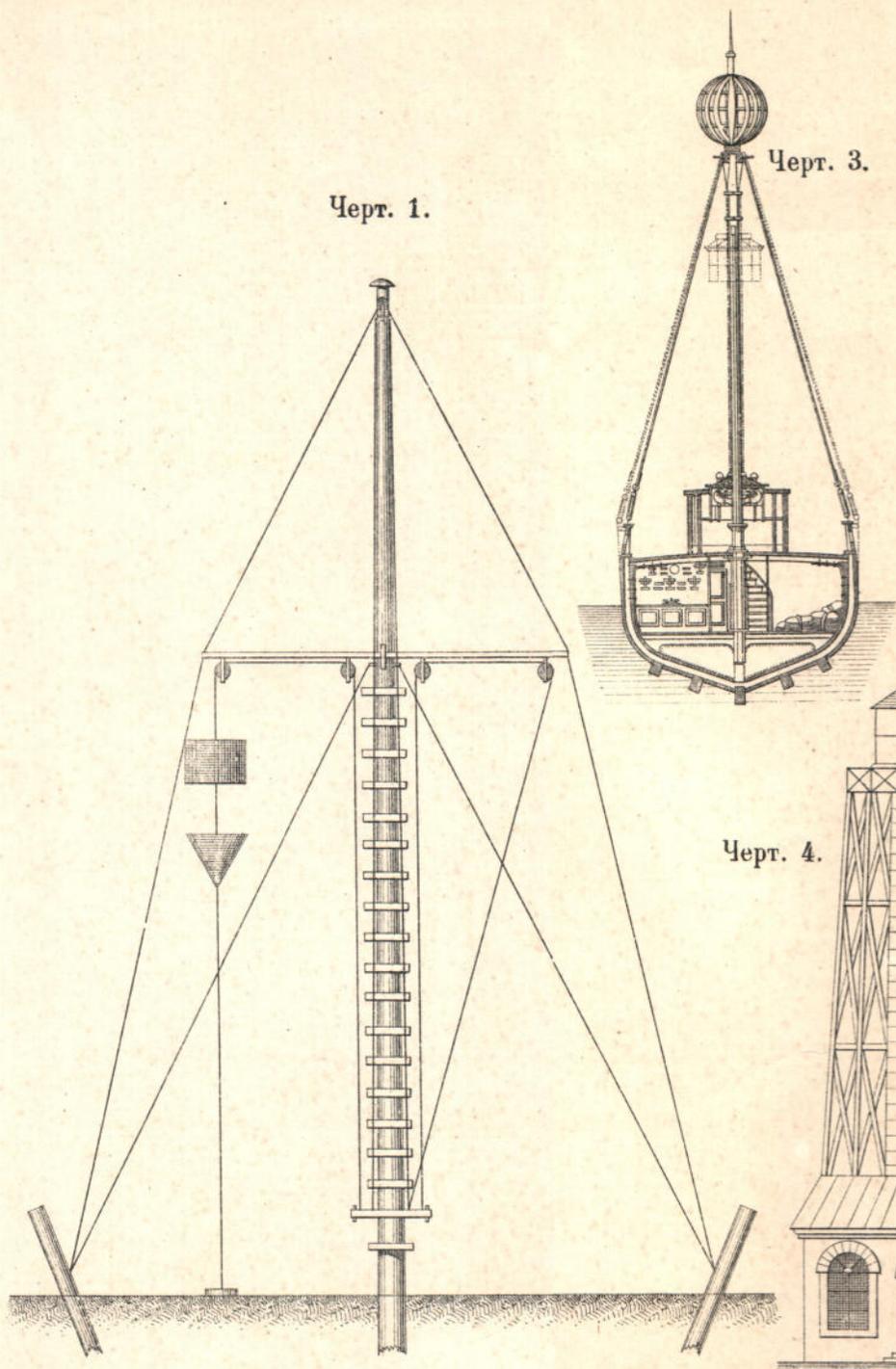
В

Красный Огонь.









Черт. 1.

Черт. 3.

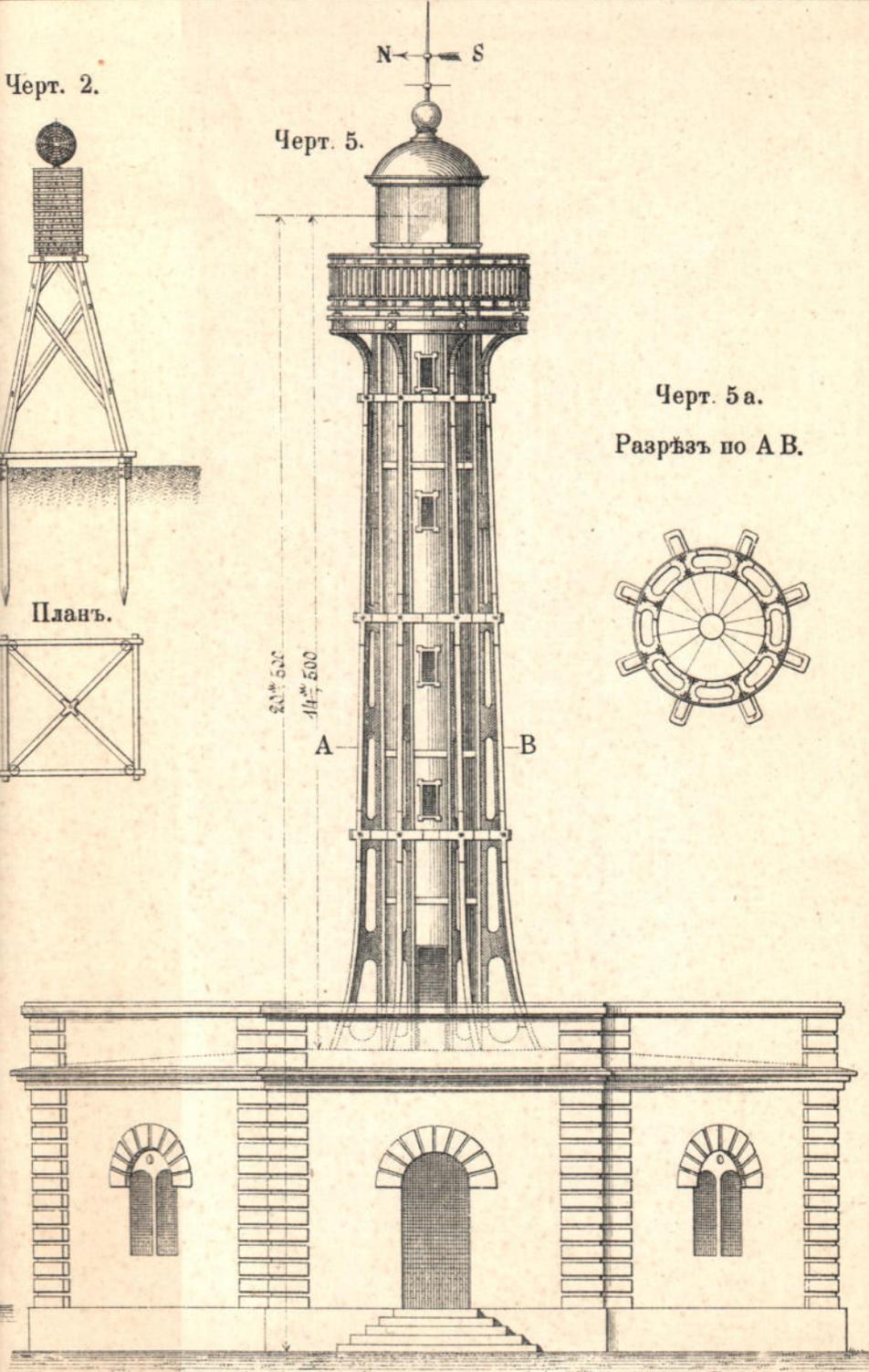
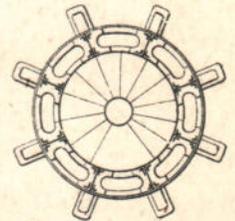
Черт. 4.

Черт. 2.

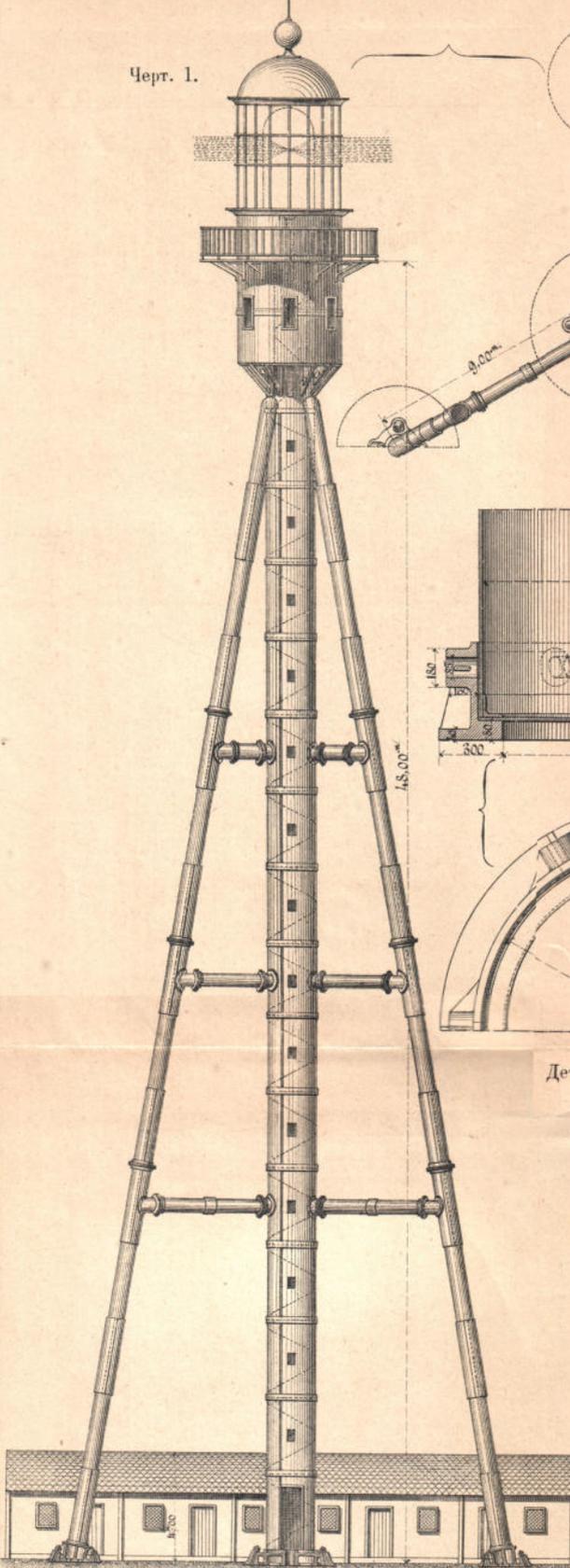
Планъ.

Черт. 5.

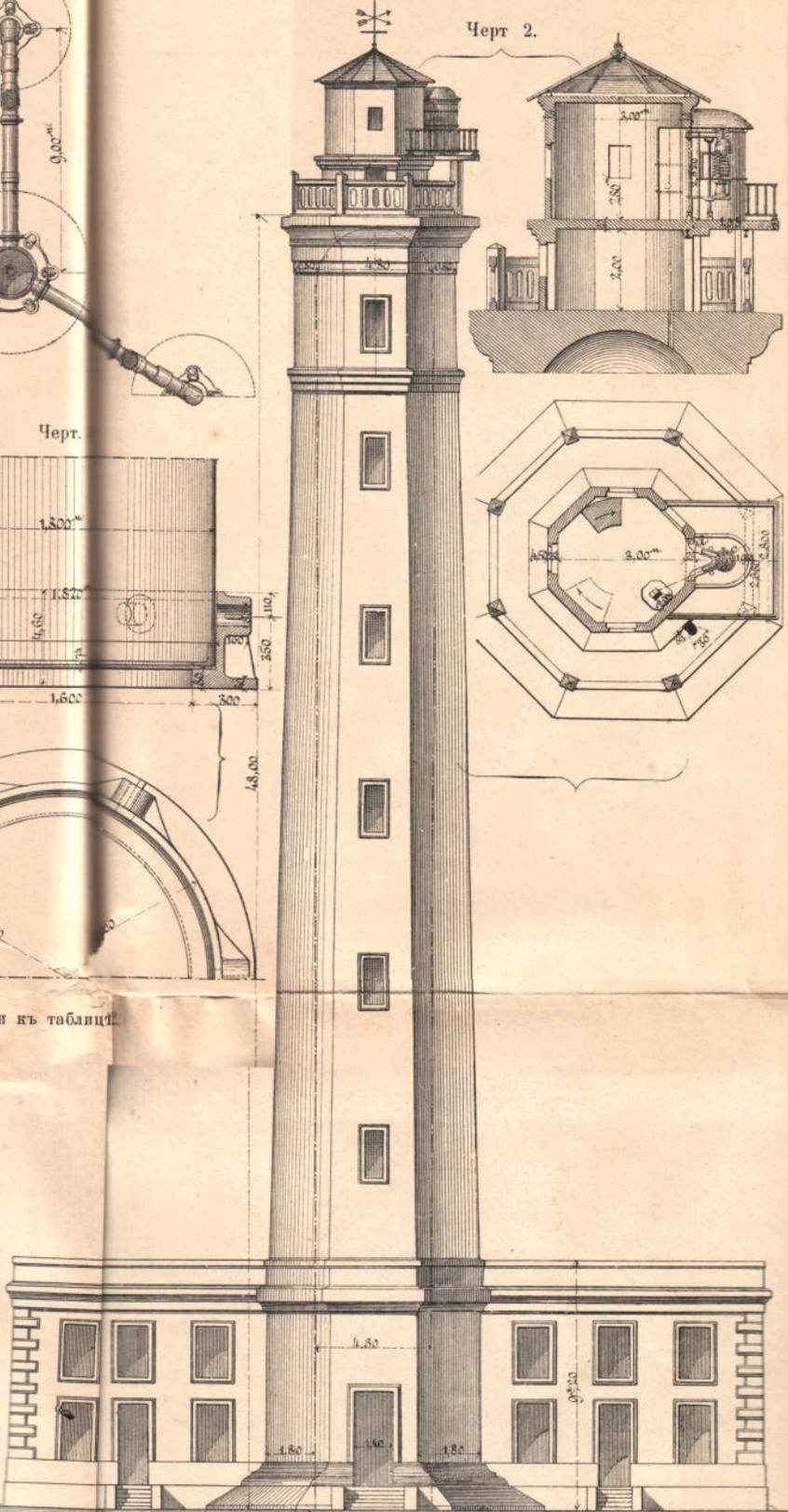
Черт. 5 а.
Разрѣзь по А В.



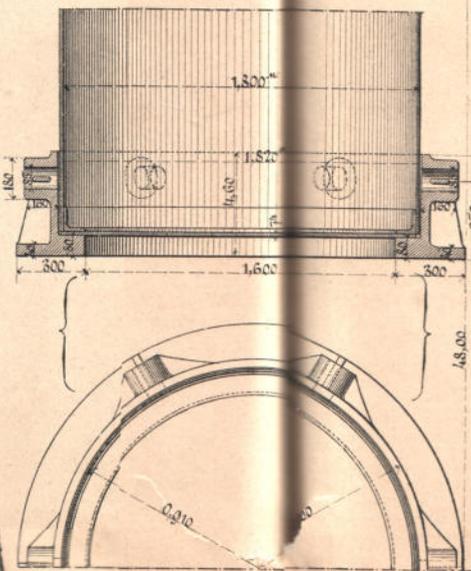
Черт. 1.



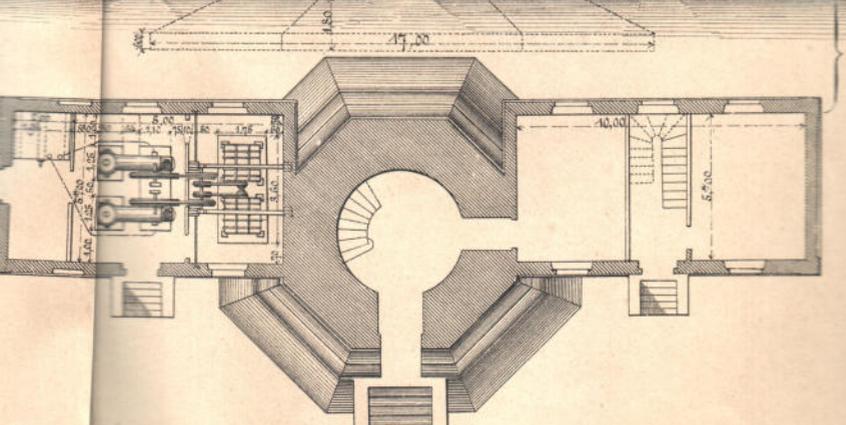
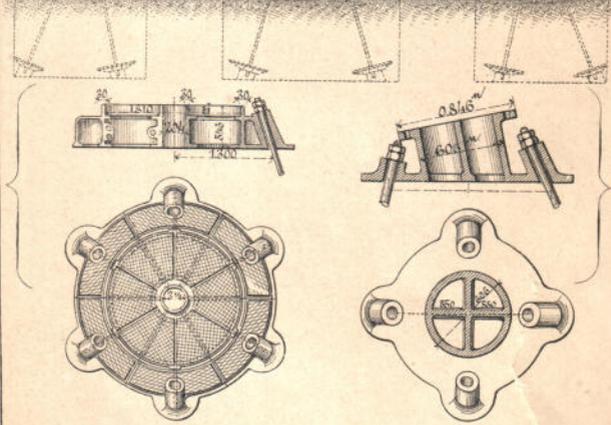
Черт 2.

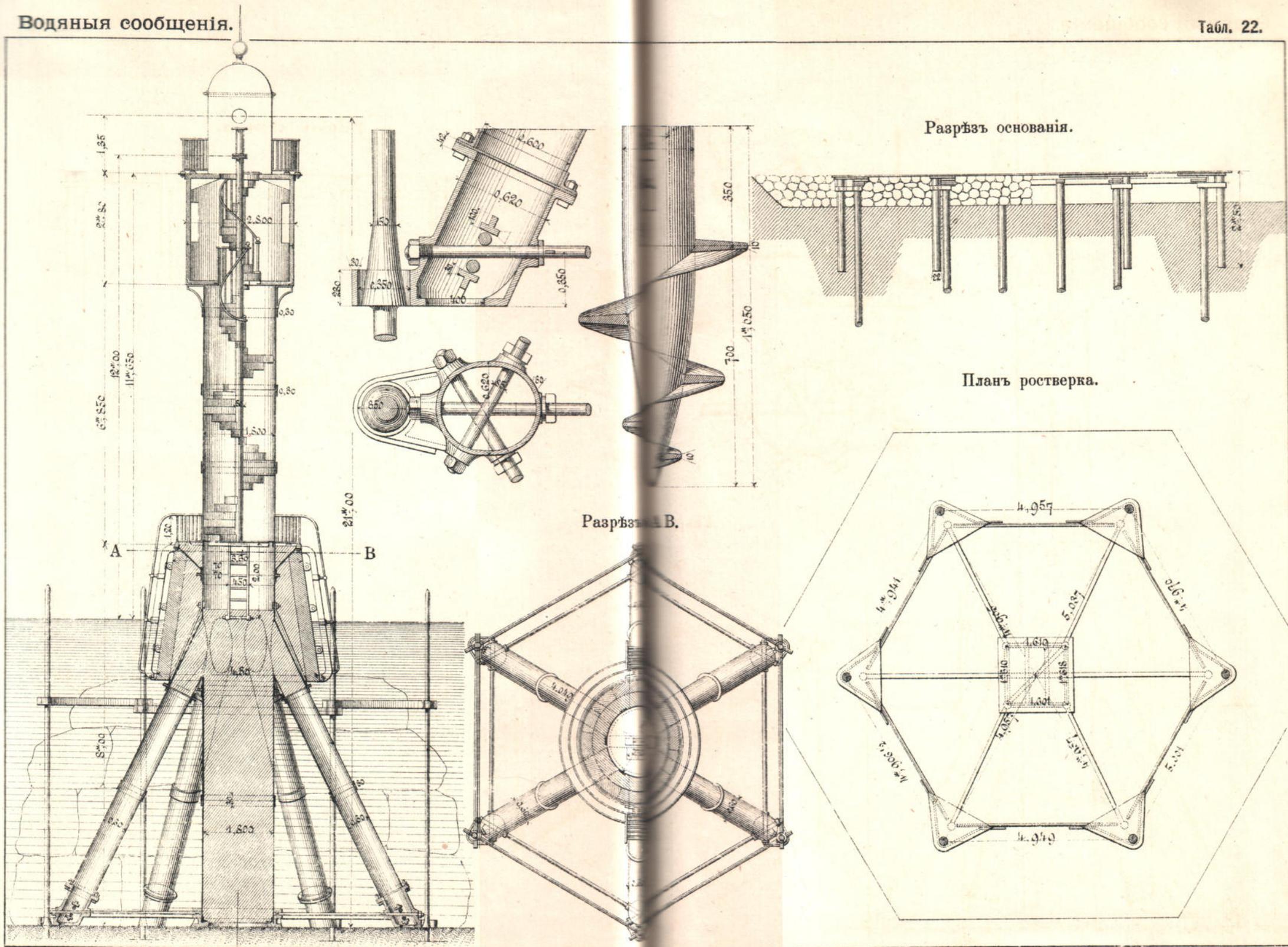


Черт.



Детали въ таблицѣ.





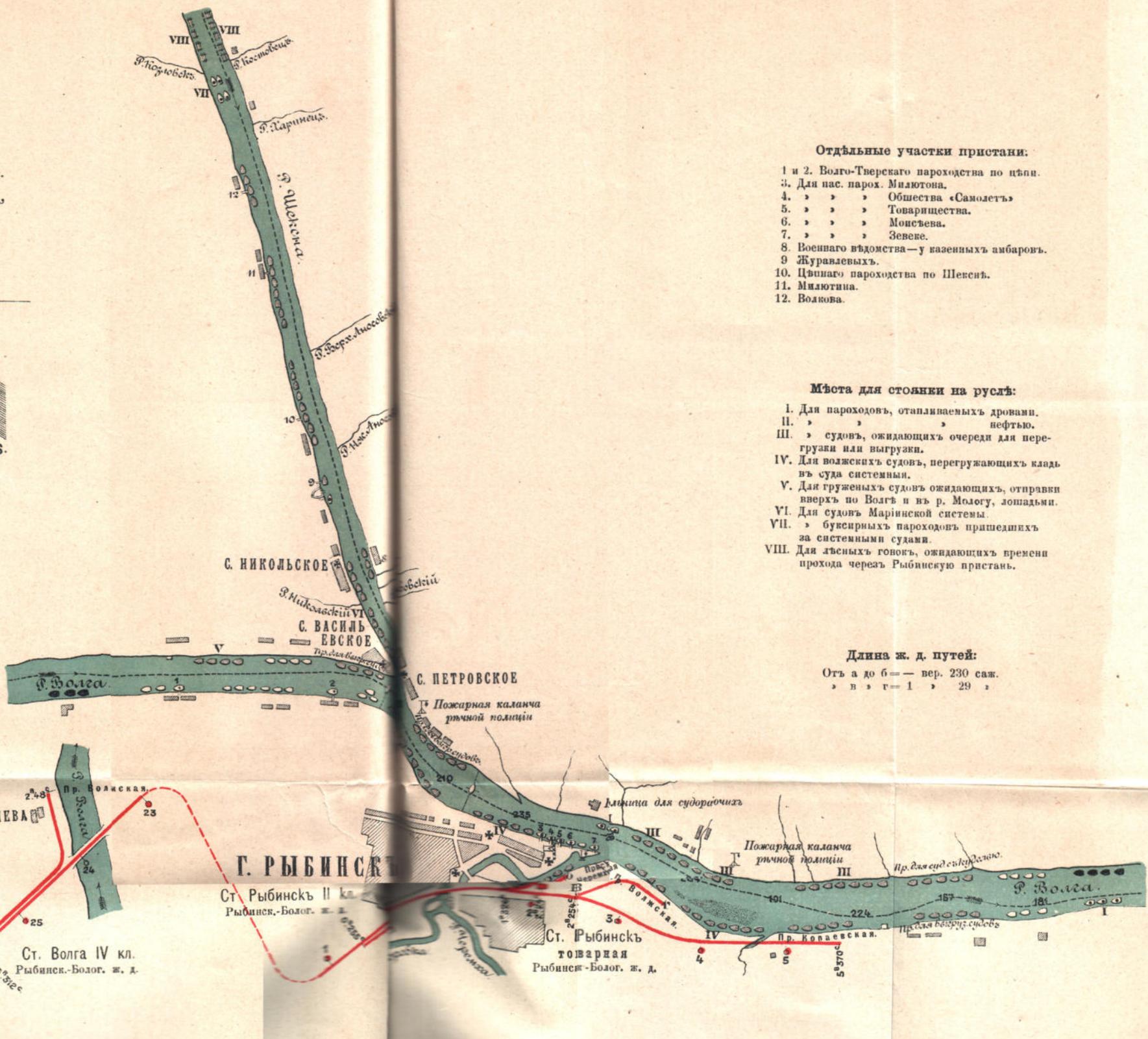


Мѣста для стоянки на руслѣ:

- I. Для перегружающихся баржъ и морскихъ судовъ.
- II. Для порожнихъ судовъ.
- III. » буксирныхъ парашодовъ.
- IV. » нефтянаго каравана.

Отдѣльные участки:

- | | | |
|---------------------------------|--|-------------------------------|
| а) На парохостани: | 13. Перевозный. | 24. К-ца Муханова (буксир.) |
| 1. Общ. «Дружина» и мор. пасс.) | 14. Общ. «Кавказъ и Меркурій» (букс., товаро-пасс. и морск.) | 25. » Шульгина (лѣсн.) |
| 2. Купца Тетюша (буксир.) | б) На пристани на эллингѣ. | 26. » Абезьянина (букс.) |
| 3. » Зевелева (пасс.) | 15. Таможни. | 28. Тов. Ярославск. мануфакт. |
| 4. » Кашия (про-пасс.) | 16. Купца Александрова. | 27. К-ца Милютина (букс.) |
| 5. Орѣхова (букс.) | 17. Управление рыбныхъ промысловъ. | 29. » Буніатова » |
| 6. Общ. по Волго-про-пасс.) | 18. Купца Макарова (буксир.) | 30. » Артемьева » |
| 7. Купца Питомецка. | 19. Сагирава (букс. и дров.) | 31. » Епифанова (лѣсн.) |
| 8. Товарищ. «Ленварск. и рѣчн.) | 20. Макарова (буксир.) | 32. » Супука (буксир.) |
| 9. Биржевой (для парох.) | 21. Барона Дельвига (буксир.) | 33. » Черкасова (буксир.) |
| 10. Городской. | 22. К-ца Мочалова (букс. и промысл.) | |
| 11. Мѣщ. Казанова (тов.) | 23. » Хлѣбникова (буксир.) | 34. К-ца Нобеля (нефтяной). |
| 12. Общ. «Самолетпассаж». | | 35. » Айвазова (соляной). |



Отдѣльные участки пристани:

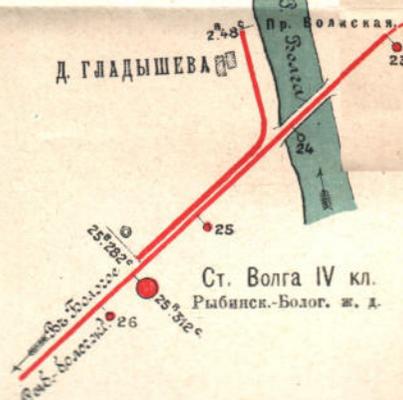
- 1 и 2. Волго-Тверскаго пароходства по цѣпи.
3. Для пас. парох. Милютина.
4. » » » Общества «Самолетъ»
5. » » » Товарищества.
6. » » » Моисьева.
7. » » » Зевеле.
8. Военнаго вѣдомства—у казенныхъ амбаровъ.
9. Журавлевыхъ.
10. Цѣпнаго пароходства по Шекснѣ.
11. Милютина.
12. Волкова.

Мѣста для стоянки на руслѣ:

- I. Для пароходовъ, отапливаемыхъ дровами.
- II. » » » » нефтью.
- III. » судовъ, ожидающихъ очереди для перегрузки или выгрузки.
- IV. Для волжскихъ судовъ, перегружающихъ кладъ въ суда системныя.
- V. Для грузенныхъ судовъ ожидающихъ, отправки вверхъ по Волгѣ и въ р. Мологу, лошадьми.
- VI. Для судовъ Маринской системы.
- VII. » буксирныхъ пароходовъ пришедшихъ за системными судами.
- VIII. Для льенныхъ головъ, ожидающихъ времени прохода черезъ Рыбинскую пристань.

Длина ж. д. путей:

Отъ а до б—вер. 230 саж.
 » в до г—1 » 29 »





Длина путей.

Отъ а до б=6 в. 75 с.

а	в=4	»	28
в	г=2	»	77
д	е=3	»	225
д	ж=3	»	50
ж	а=1	»	335
д	и=0	»	100
п	и=1	»	238
и	к=0	»	275
и	л=0	»	347
а	м=0	»	160
м	н=6	»	00
л	о=1	»	346
о	п=0	»	280

Особые места стоянки:

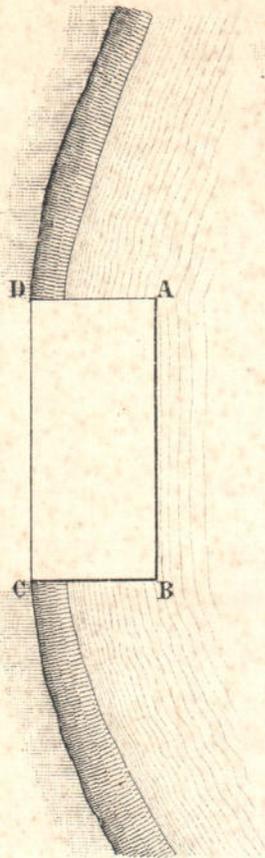
- I. Для судовъ, ожидающихъ подхода къ Сибирской пристани.
- II. Для порожнихъ баржъ.
- III. » пароходовъ.
- IV. » мелкихъ порожн. судовъ и для пробойки.
- V. » порожнихъ баржъ.
- VI. » судовъ ожидающихъ подхода къ Петербургской пристани.
- VII. » судовъ ожидающихъ пропуска черезъ мостъ.
- VIII. Для судовъ съ жельзомъ, ожидающихъ мѣста на Гребновской пристани.
- IX. Для судовъ съ солью.
- X. » порожнихъ судовъ.
- XI. » » колашенокъ.
- XII. » судовъ подъ конную тягу.

НИЖНИЙ НОВГОРОДЪ.

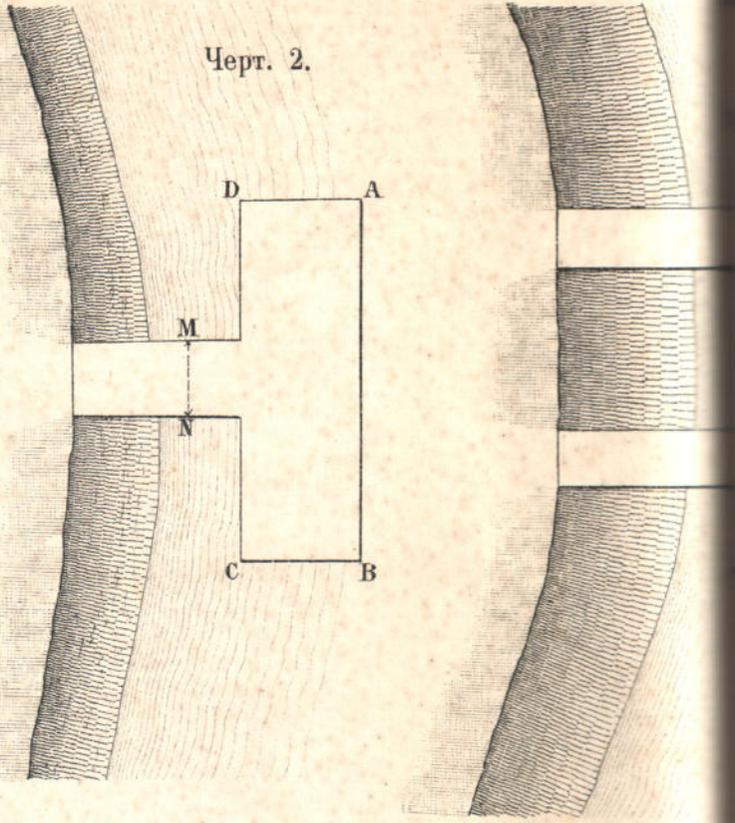
Отдѣльные участки:

- а) На Сафроновской пристани.
 - 1. Министерства путей сообщенія.
 - 2. Рѣчной полиціи.
 - 3. Городскаго перевоза.
- б) На городской пристани.
 - 4. Общ. «Кавказъ и Меркурій».
 - 5. Т-ва по р. Волгѣ и Якимовыхъ.
 - 6. Общ. по Волгѣ.
 - 7. » «Самолетъ».
 - 8. Кашина.
 - 9. Любимова.
 - 10. Бр. Каменскихъ.
 - 11. Бульчева.
 - 12. Наслѣдницы Курбатова, Карповой.
 - 13. Борскаго перевоза.
- в) На Георгіевской пристани.
 - 14. Самолетъ.
 - 15. Зевене.
 - 16. Полякова (дровяной).
 - 17. Каменскихъ.
 - 18. Общ. по Волгѣ.
 - 19. Григорьева.
 - 20. Общ. «Дружина».
 - 21. Шуцаева (дровяной).
 - 22. Общ. «Кавказъ и Меркурій».
 - 23. Борскаго перевоза (во время розлива).
- г) На Сибирской пристани.
 - 24. Ушкова.
 - 25. Лузинова.
- 26. Т-ва по Волгѣ.
- 27. Першина.
- 28. Мензелинцева.
- 29. Любимова.
- 30. Бр. Каменскихъ.
- 31. Общ. «Кавказъ и Меркурій».
- 32. Маркова.
- 33. Наслѣдниковъ Зевене.
- 34. Общ. по Волгѣ.
- 35. Карповой.
- 36. Т-ва «Лебедь».
- 37. Общ. «Дружина».
- 38. Якимовыхъ.
- 39. Общ. «Самолетъ».
- 40. Григорьева.
- 41. Стахѣева.
- 42. Бр. Тихомировыхъ.
- 43. Концаго.
- 44. Кашина.
- 45. Рѣчной полиціи (на время ярмарки).
- д) На Гребновской пристани.
 - 46. Николаева.
 - 47. Гладкова.
 - 48. Штейверта и Кленова.
 - 49. Качкова и Самгина.
- е) На Слободской пристани.
 - 50. Для Овскихъ пароходовъ (весною и осенью).

Черт. 1.

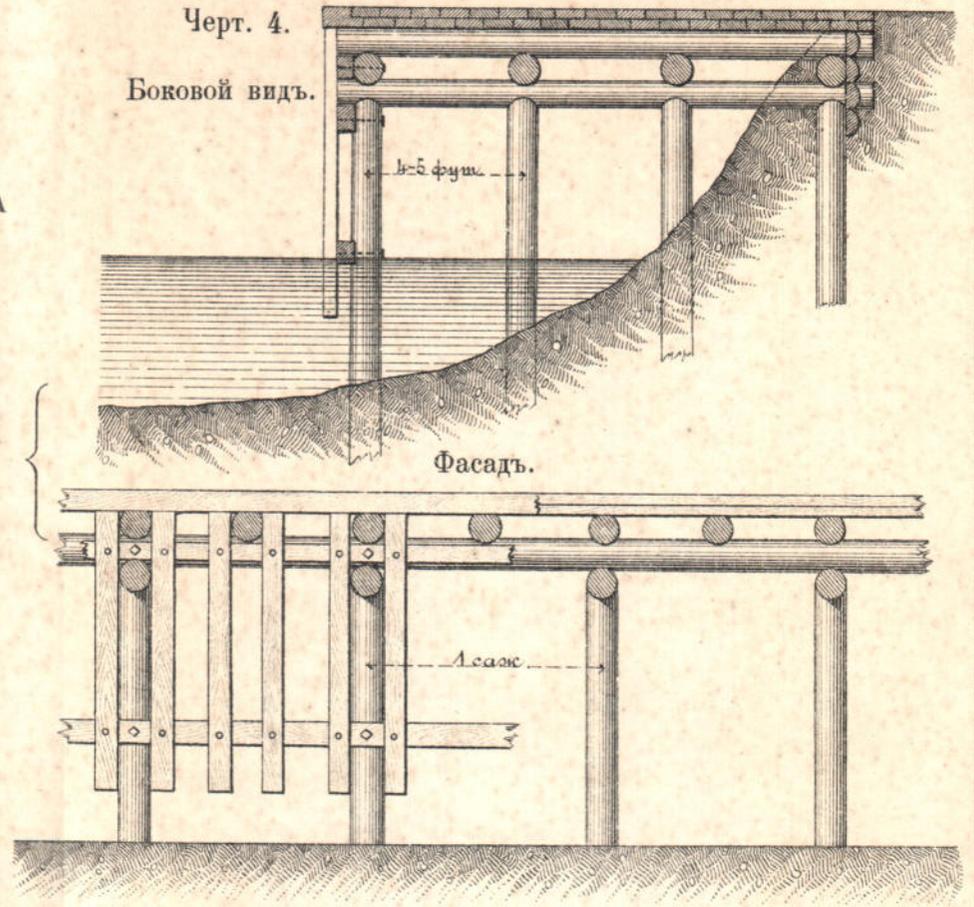


Черт. 2.



Черт. 4.

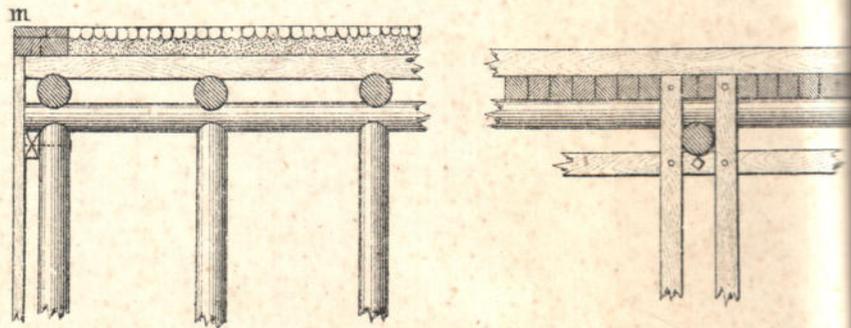
Боковой видъ.



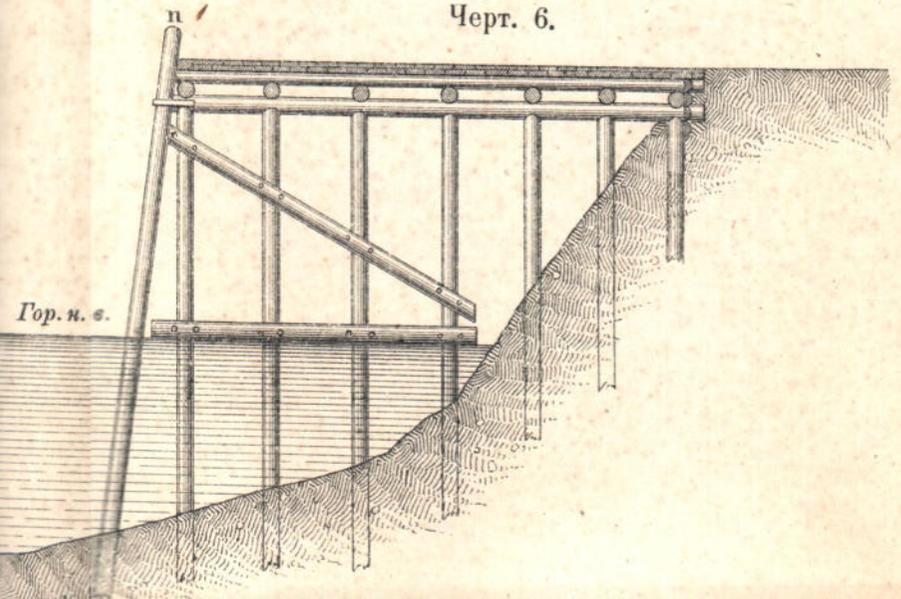
Черт. 5.

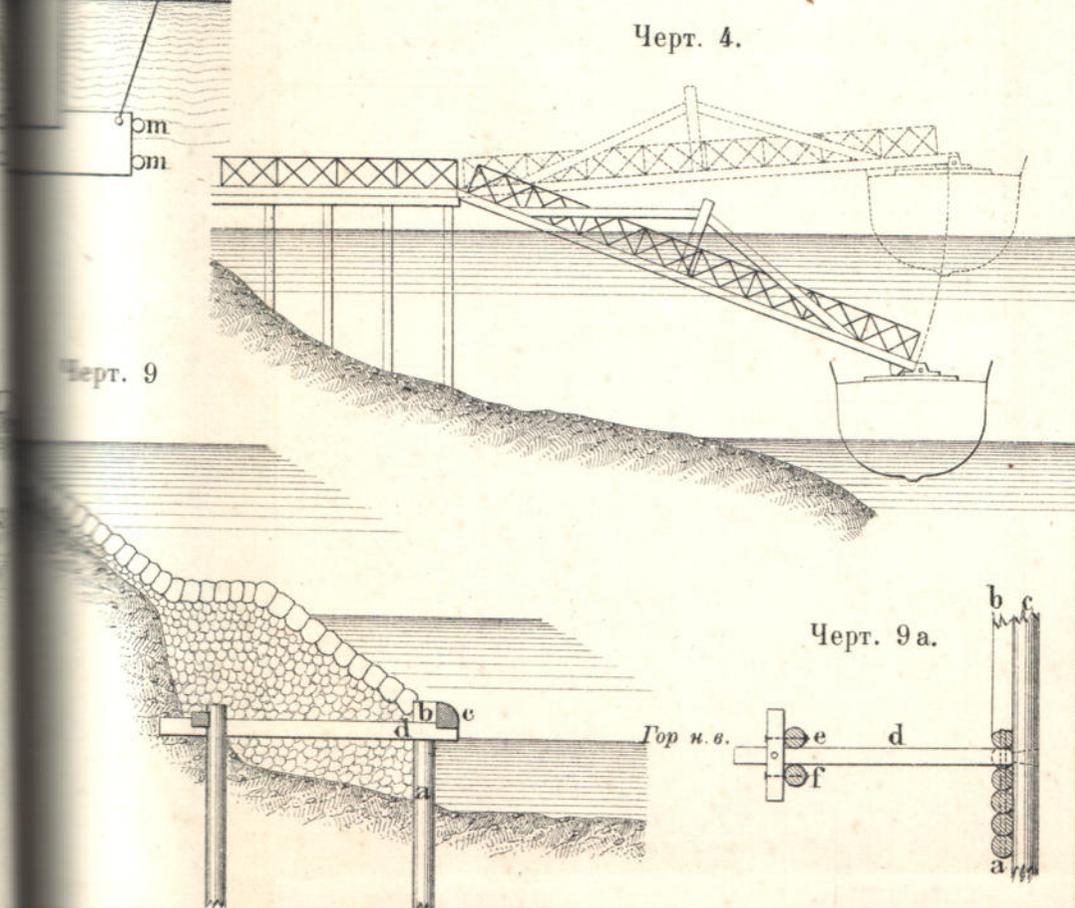
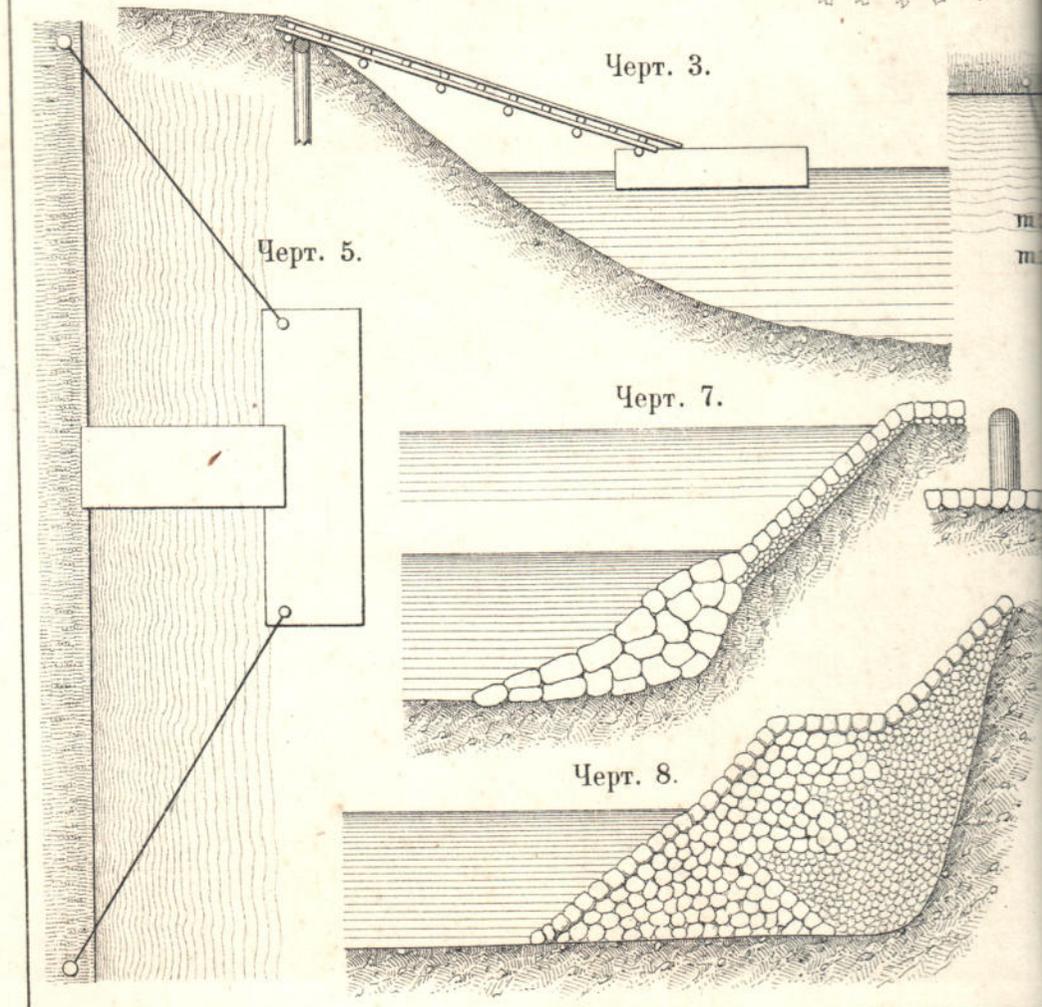
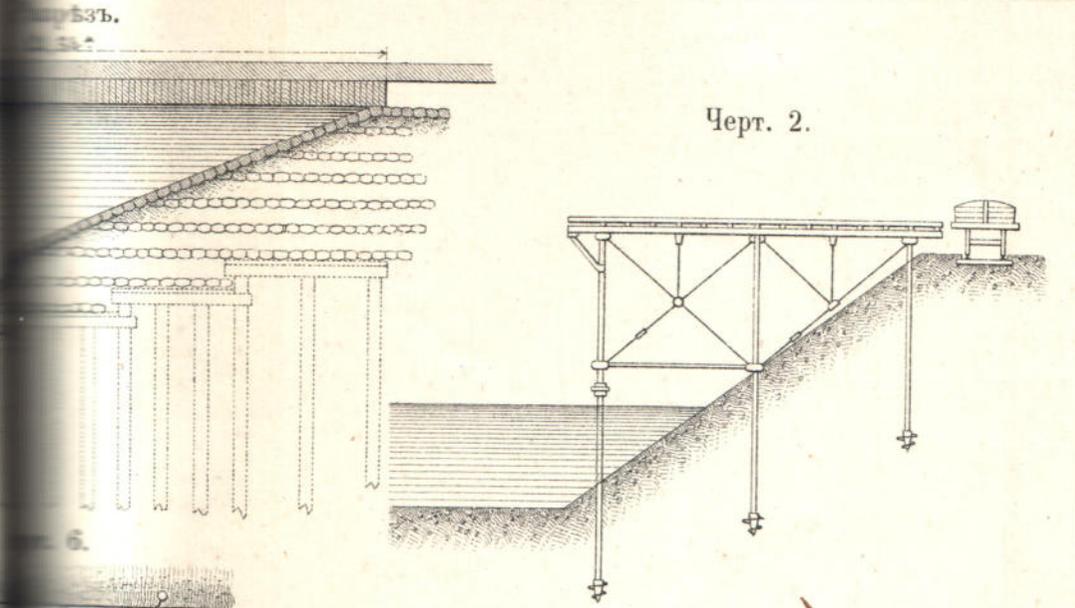
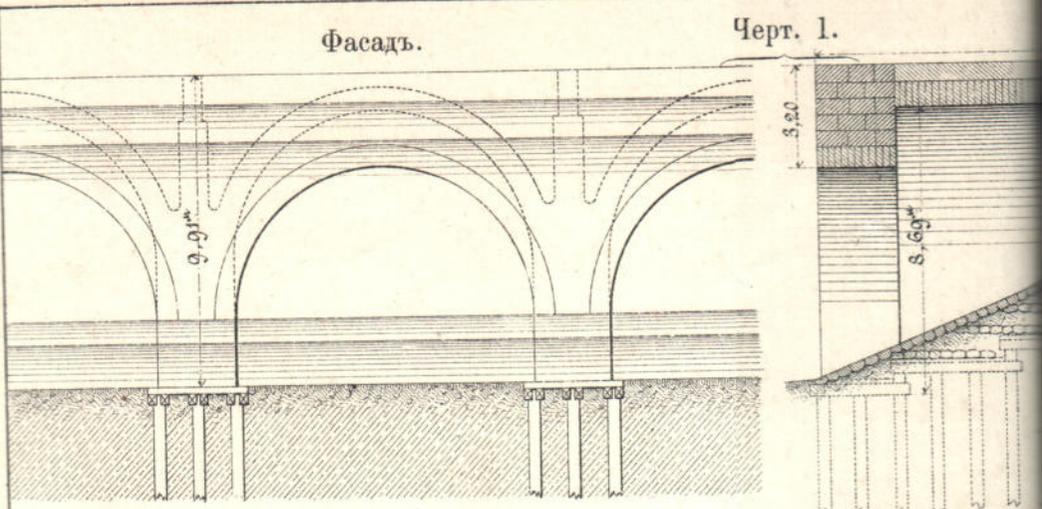
Разрѣзь.

Фасадъ.

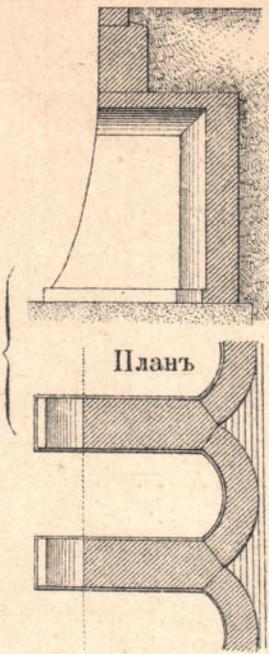


Черт. 6.

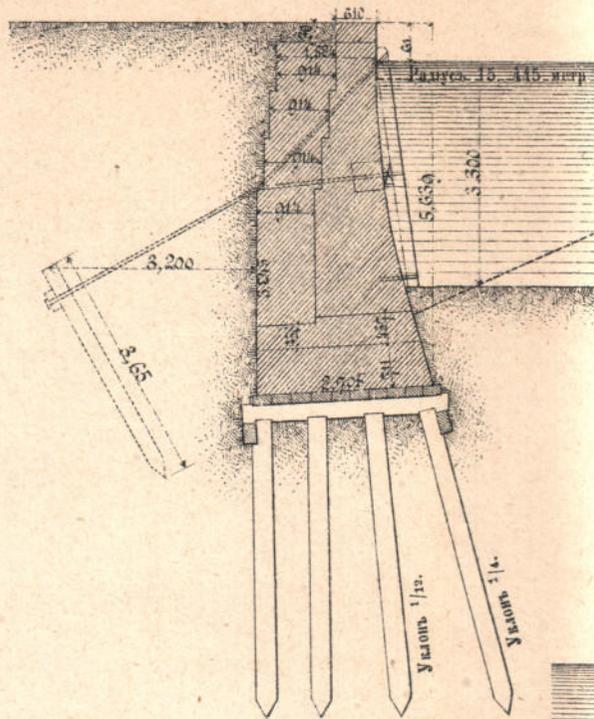




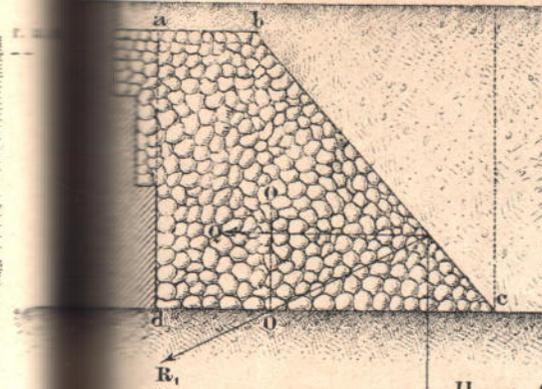
Черт. 1. Разрѣзь Гуль.



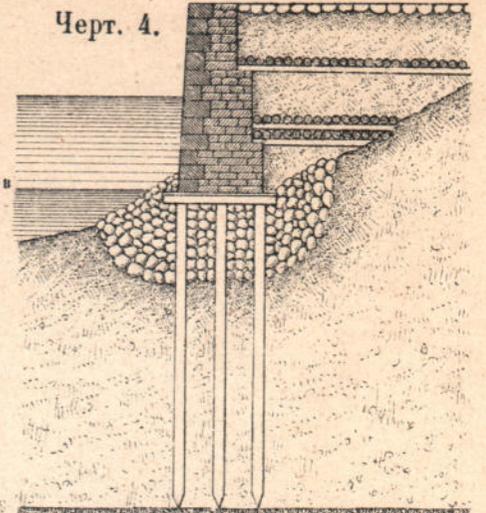
Черт. 2. Темзь



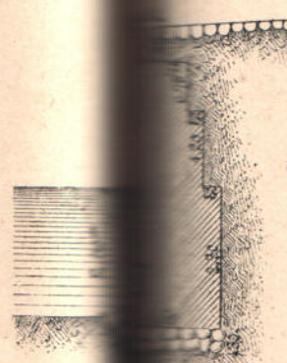
Черт. 3.



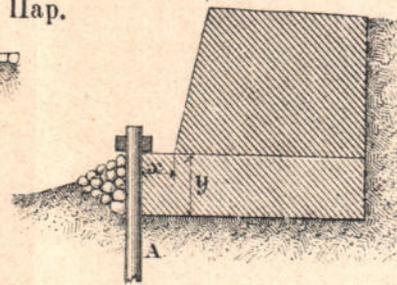
Черт. 4.



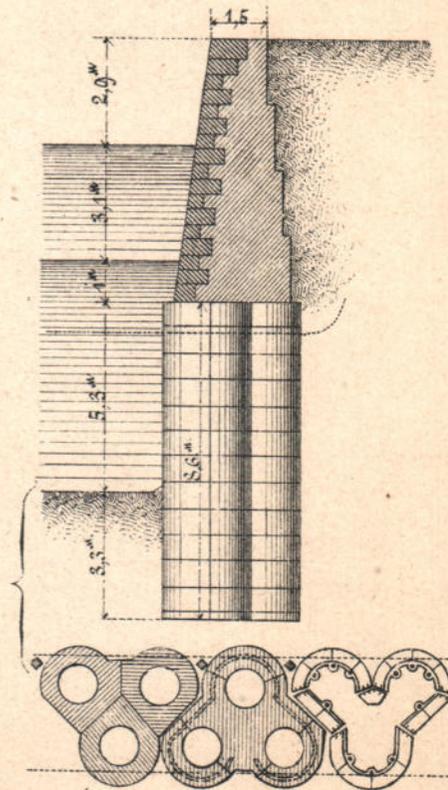
Черт. IV въ Пар.



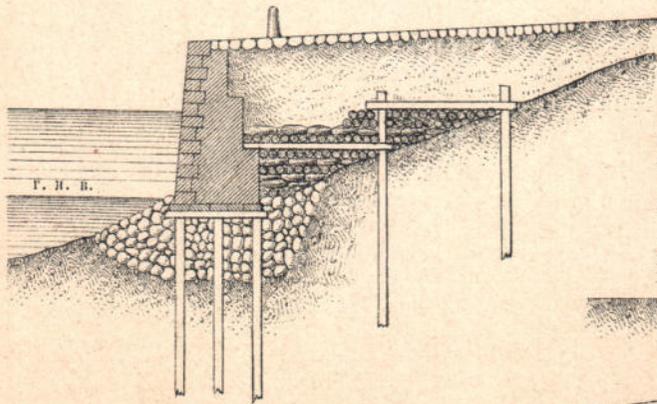
Черт. 8.



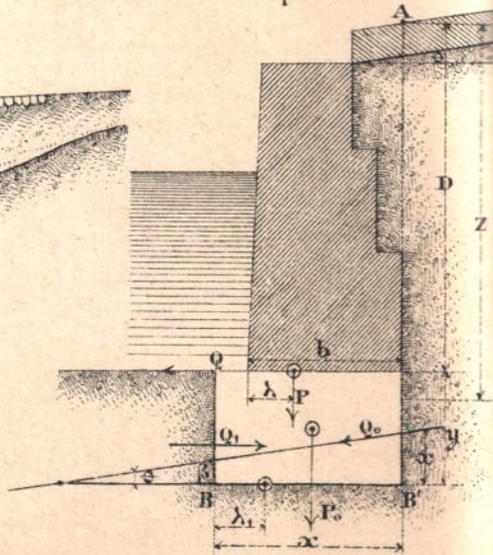
Черт. 9. Глазгоу.



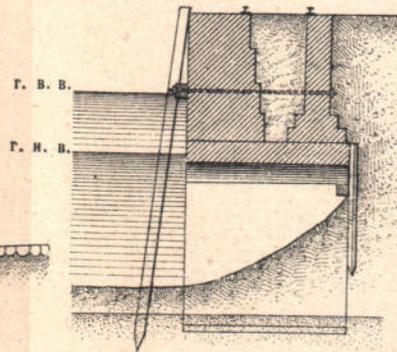
Черт. 5.



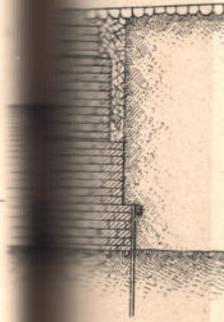
Черт. 10.



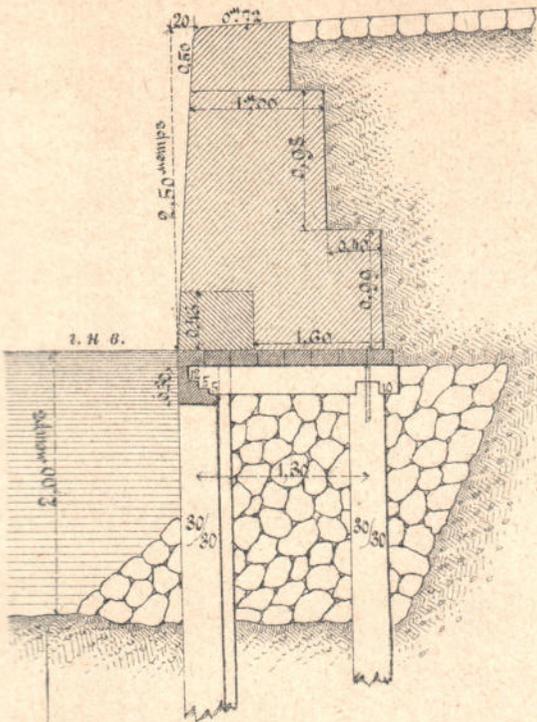
Черт. 11. Гамбургъ



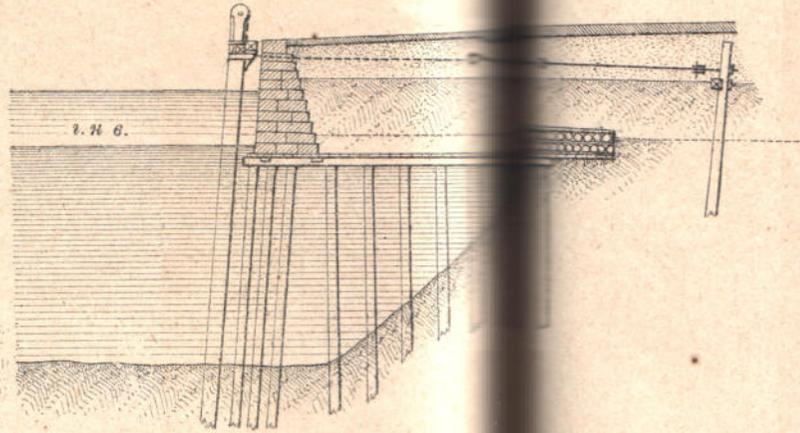
Черт. 6.



Черт. 1. Разрѣзь.

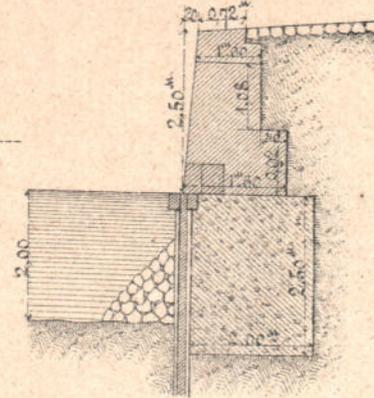


Черт. 2.

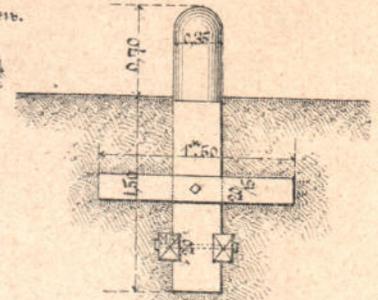


Черт. 4

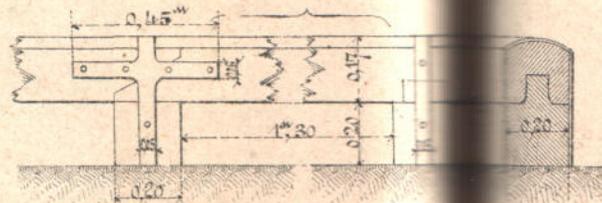
С. Бернаръ въ Мадридѣ.



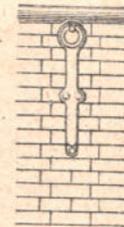
Черт. 5.



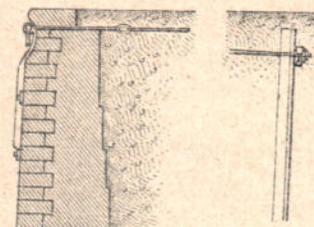
Черт. 11.



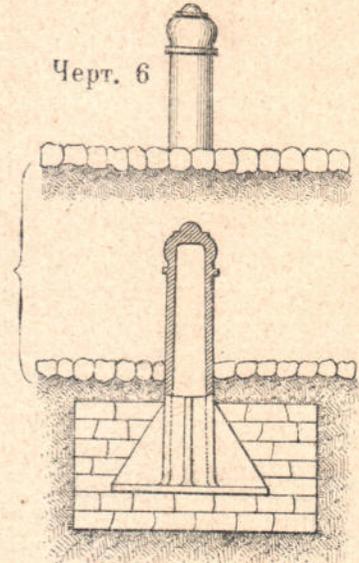
Фасадъ.



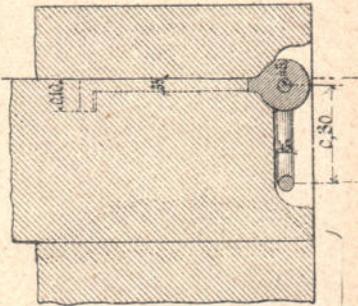
Разрѣзь.



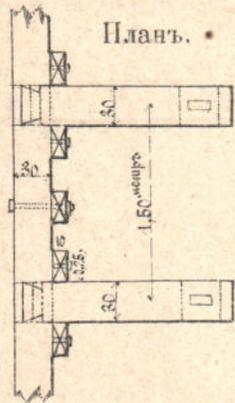
Черт. 6



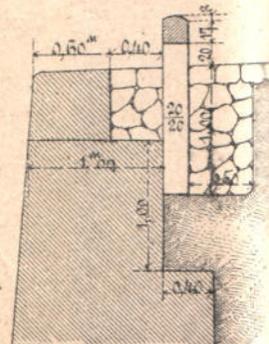
Черт. 8. Разрѣзь по СД.



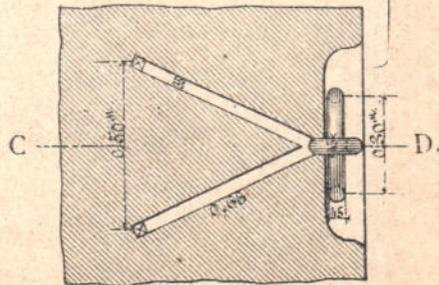
Планъ.



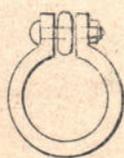
Черт. 10.



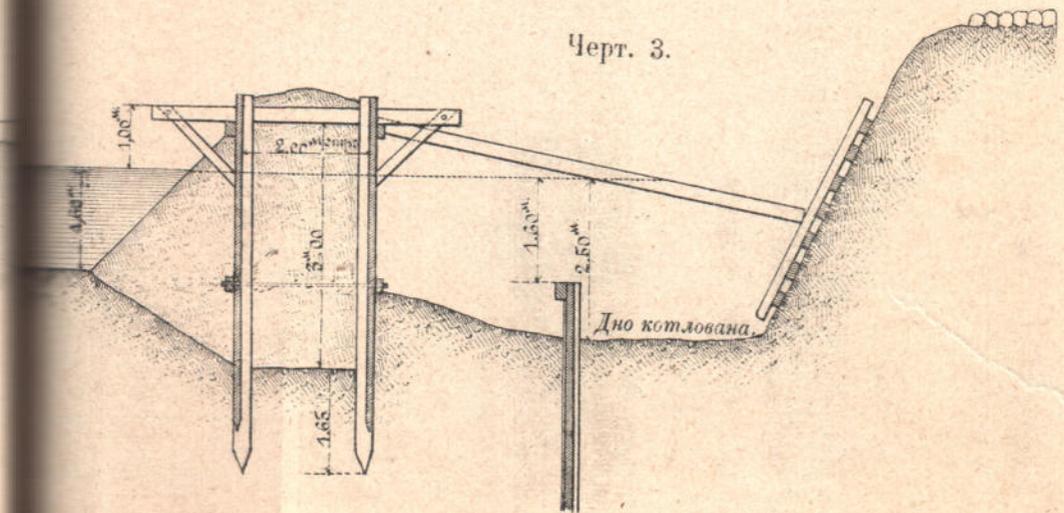
Планъ по шву.



Черт. 9.



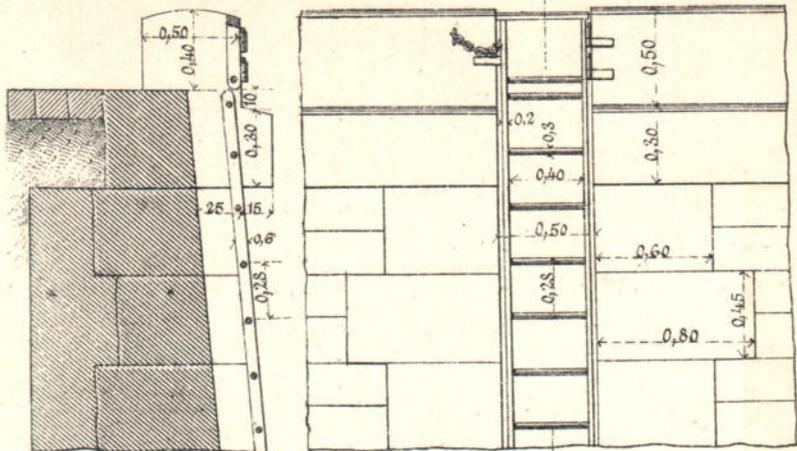
Черт. 3.



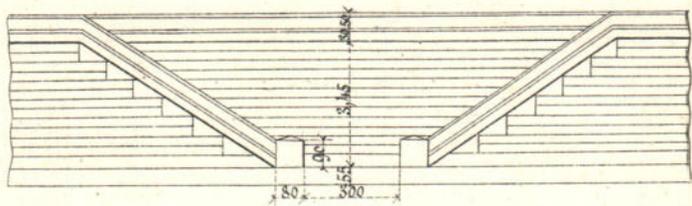
Черт. 1.

Разрѣзь по А-В.

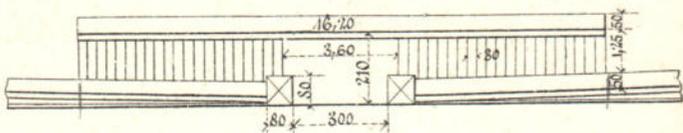
Фасадъ.



Черт. 2. Фасадъ.



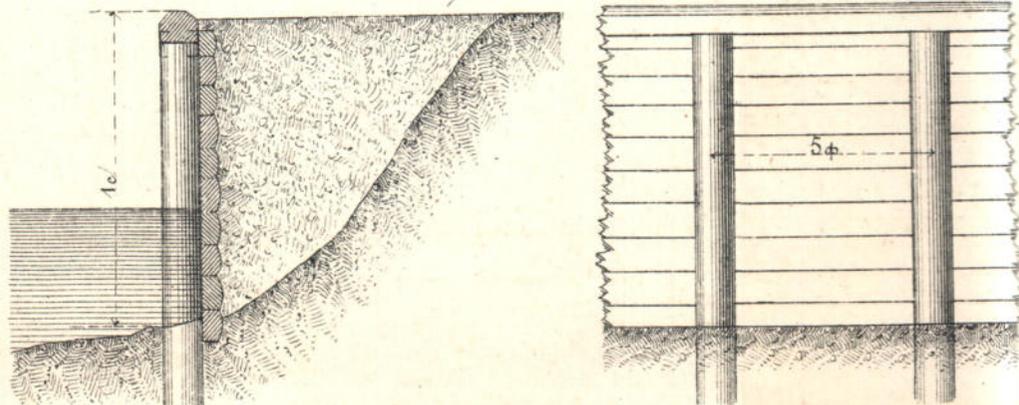
Планъ.



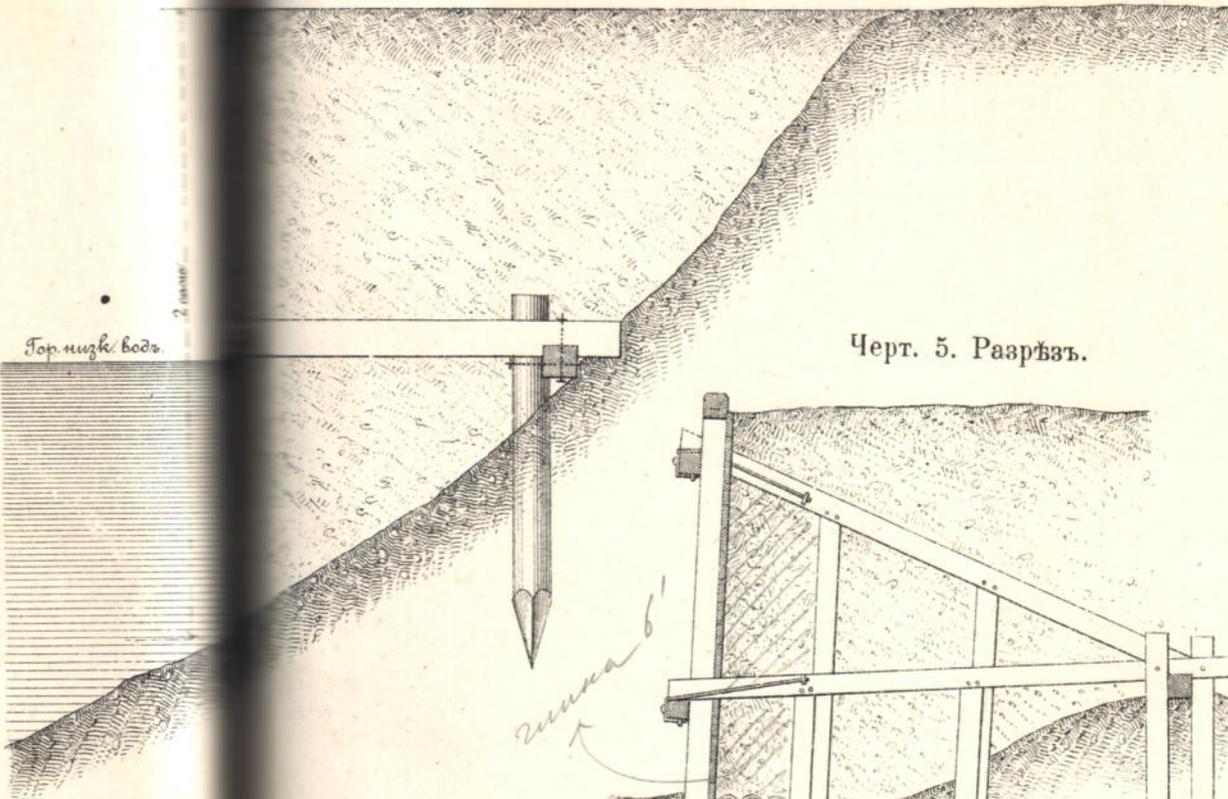
Черт. 3.

Разрѣзь.

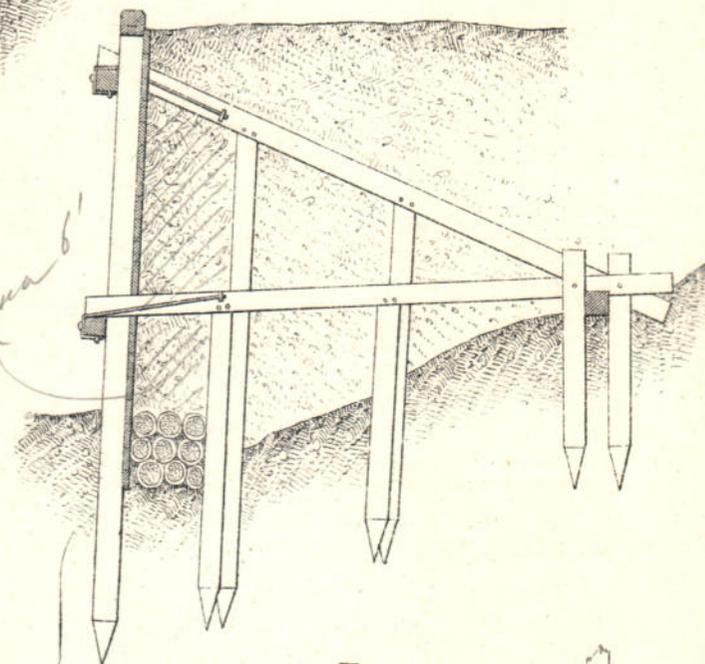
Фасадъ.



Черт. 4. Разрѣзь.

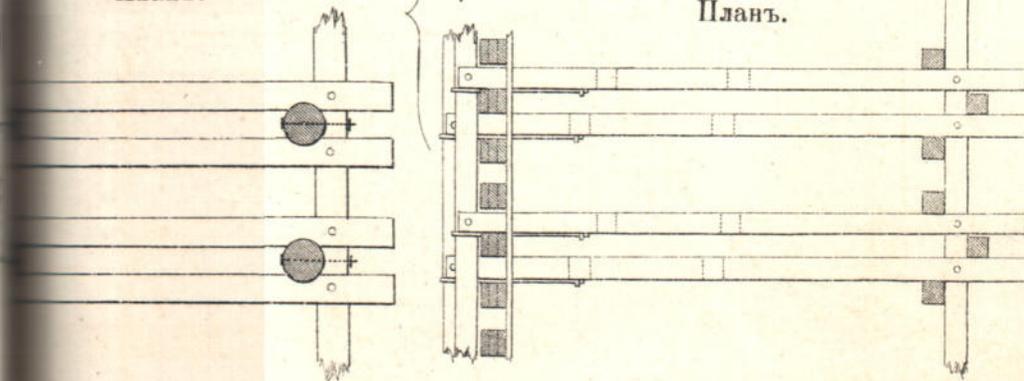


Черт. 5. Разрѣзь.

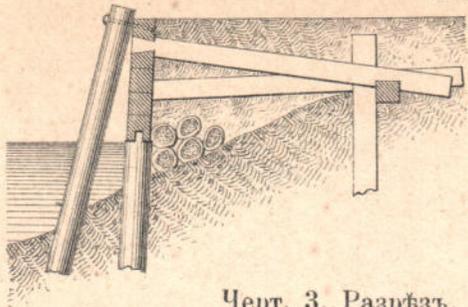


Планъ.

Планъ.

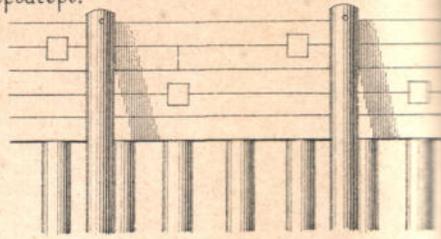


Разрѣзъ.



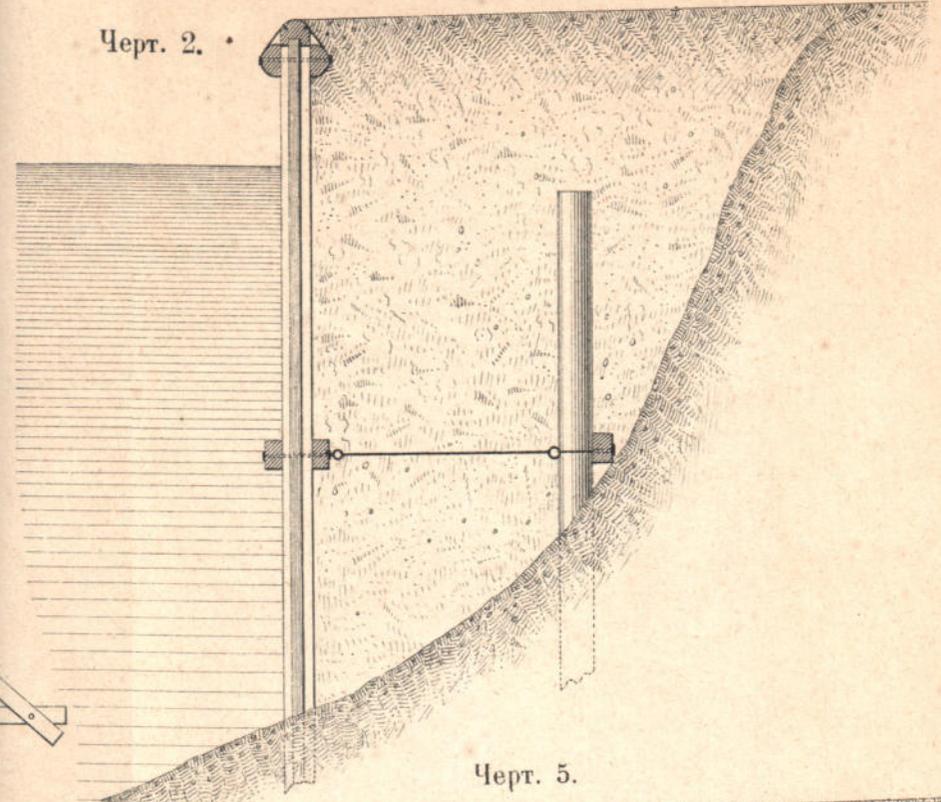
Черт. 1.

Лейфарбасеръ.



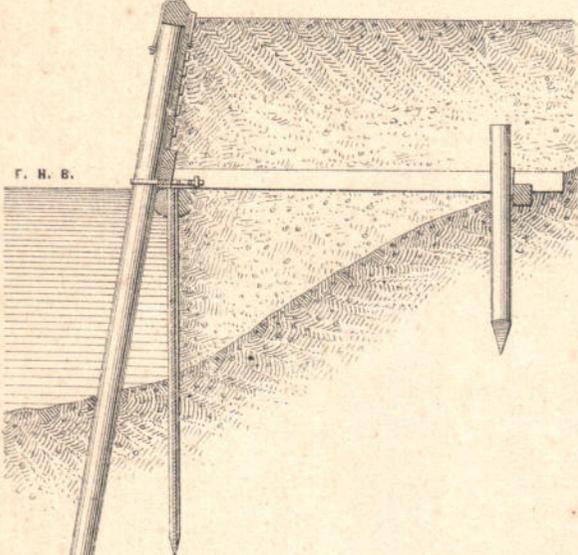
фасадъ

Черт. 2.



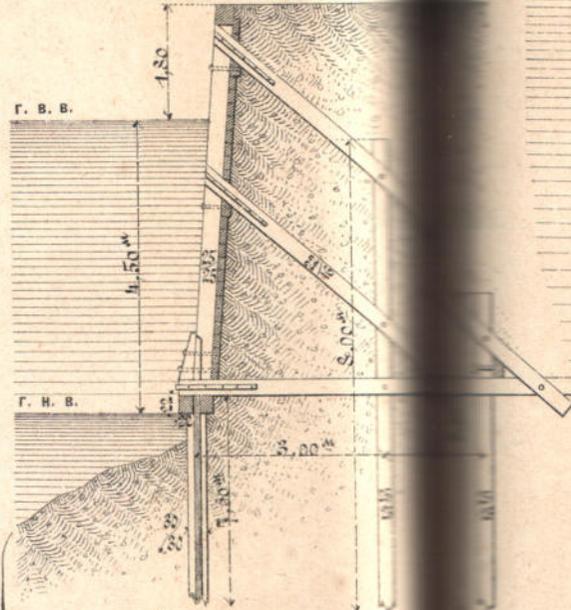
Черт. 3. Разрѣзъ.

Пилау.

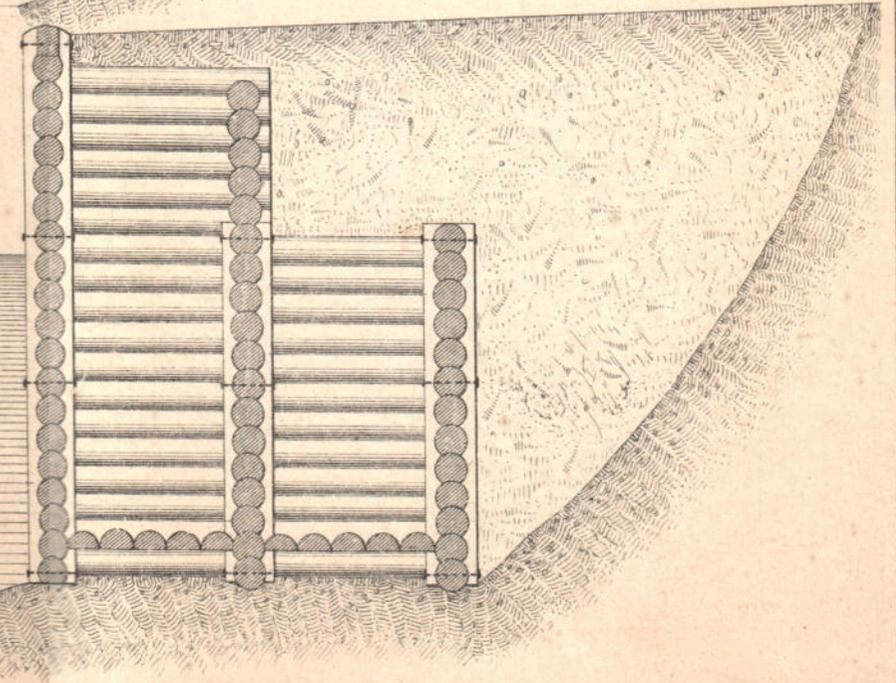


Черт. 4. Разрѣзъ.

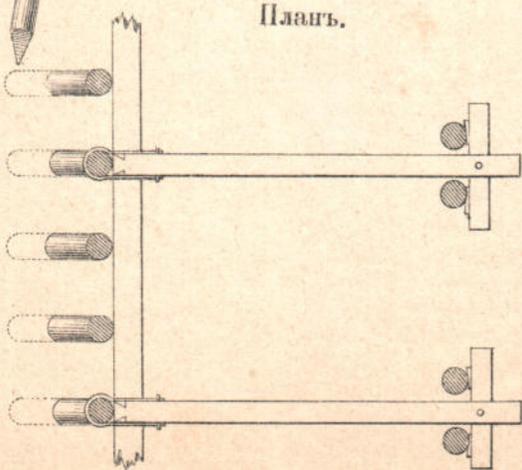
Дюк



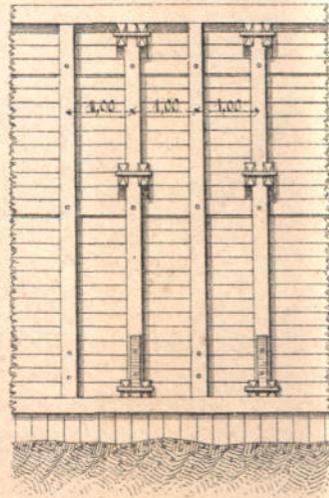
Черт. 5.



Планъ.

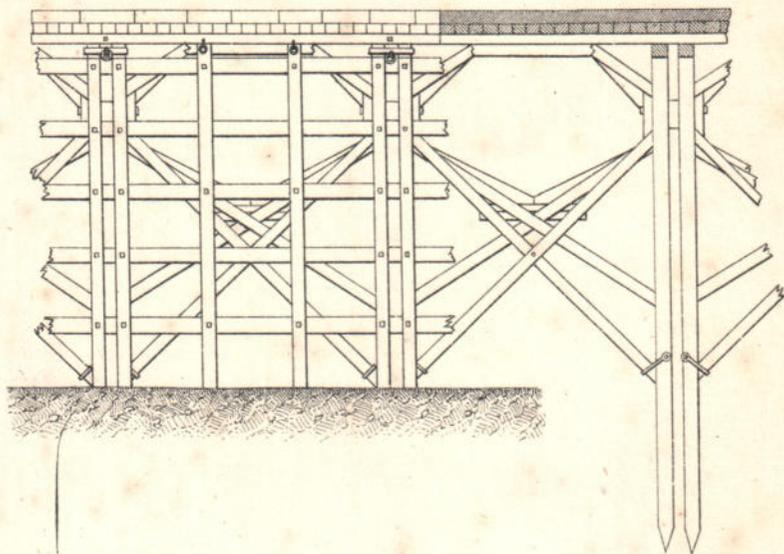


Фасадъ.

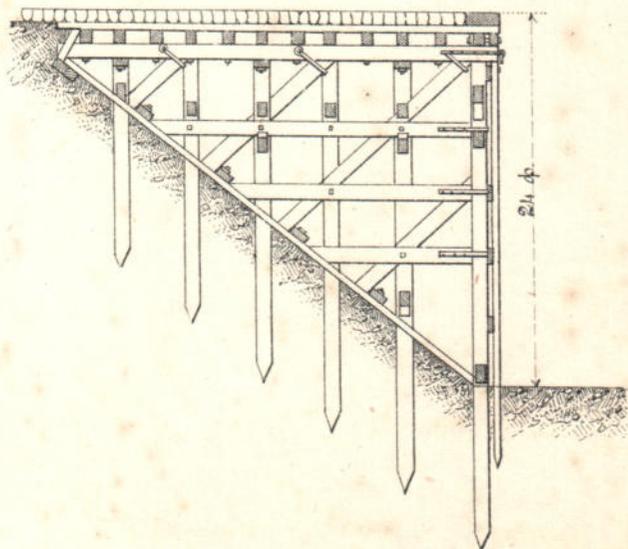


Черт. 1.

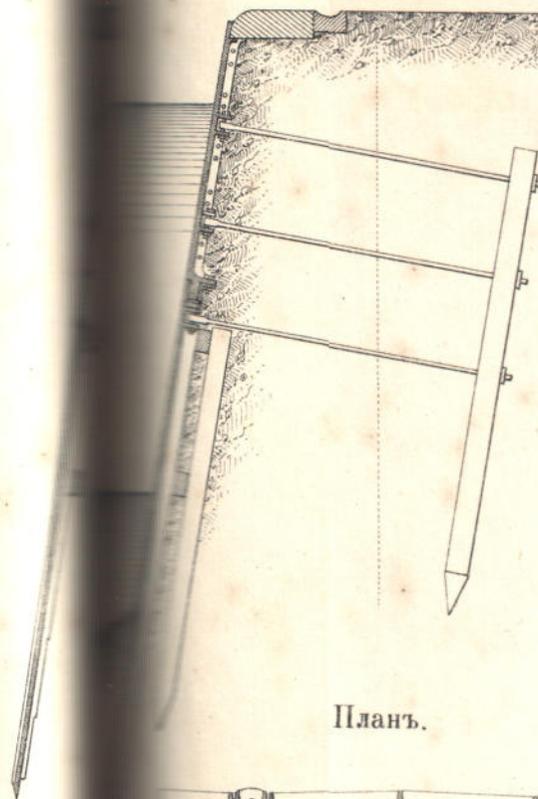
Фасадъ.



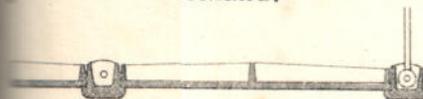
Разрѣзь.



Разрѣзь по А В.

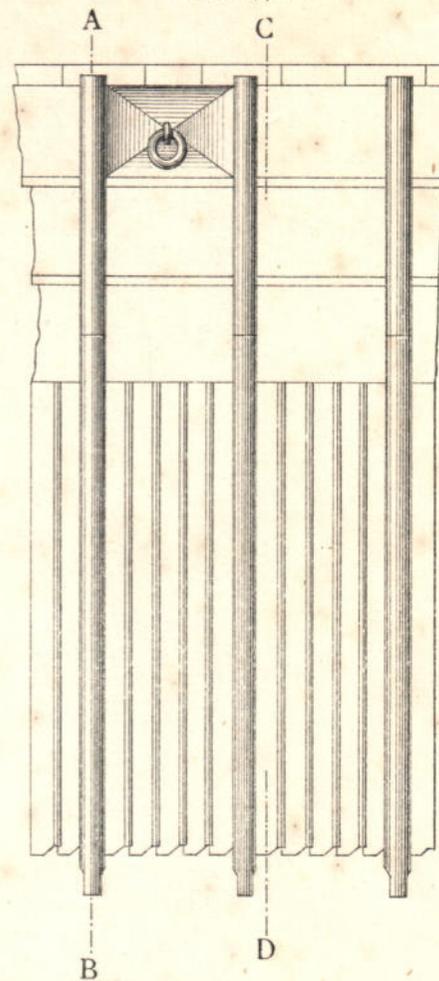


Планъ.

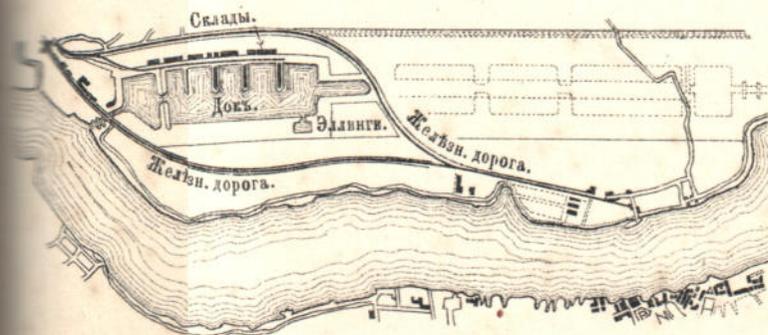


Черт. 2.

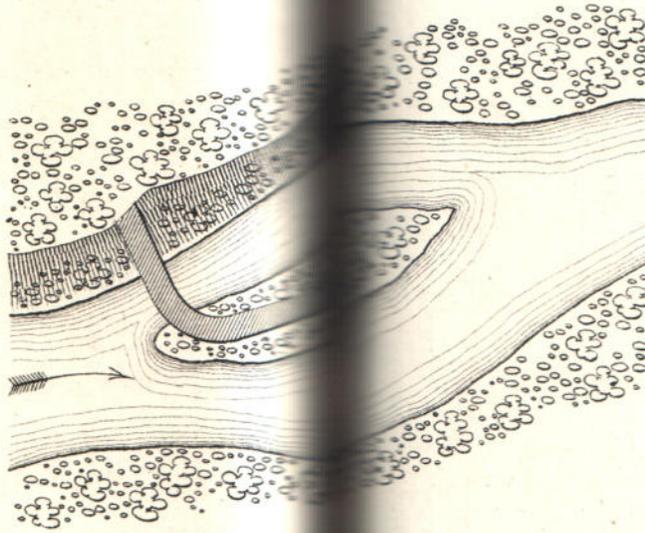
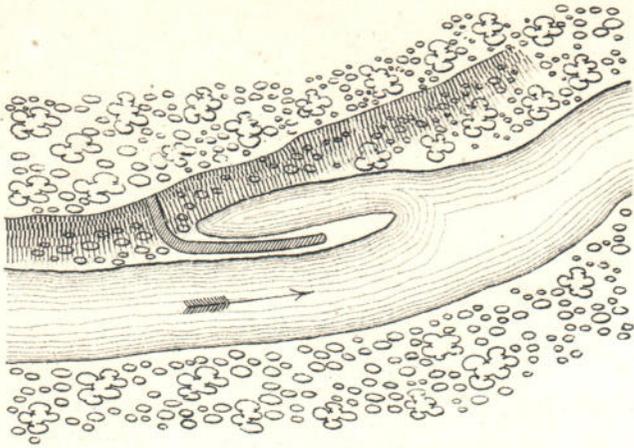
Фасадъ.



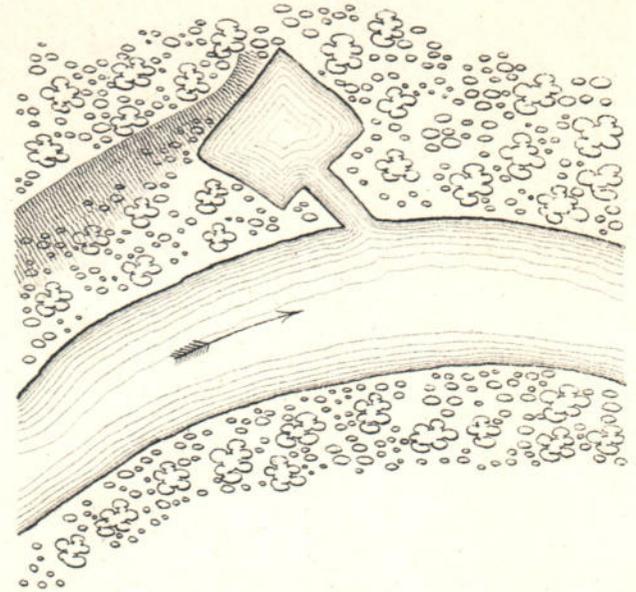
Черт. 3.



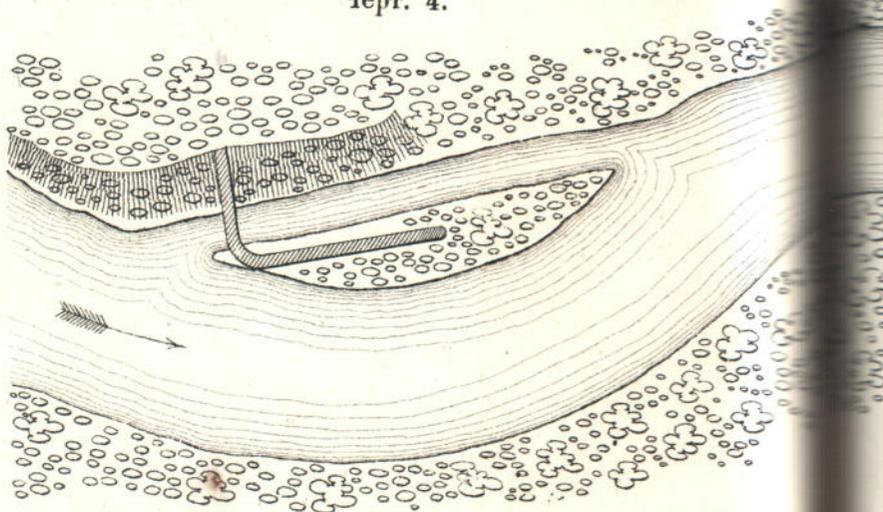
Черт. 1.



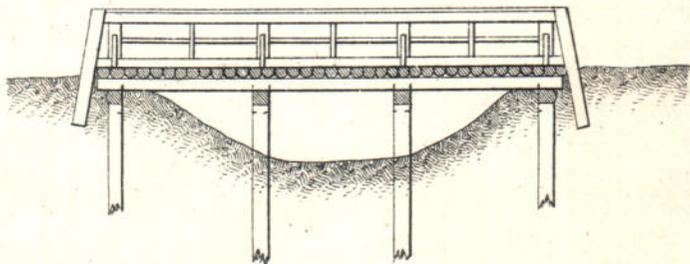
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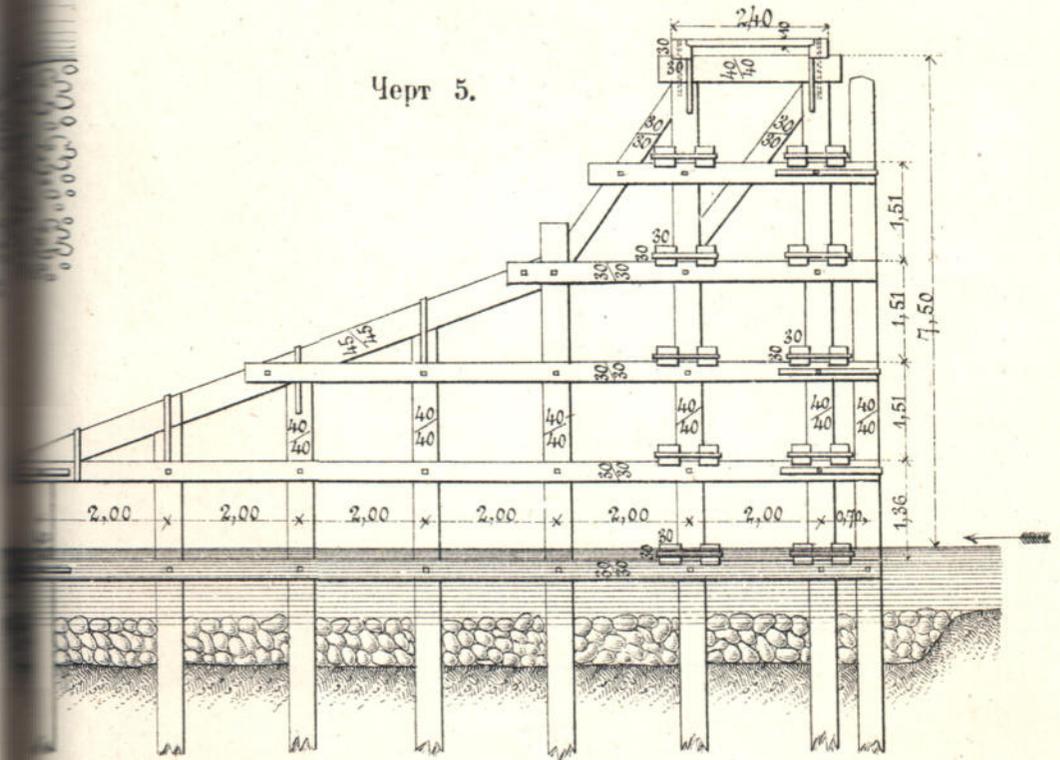
Черт. 4.

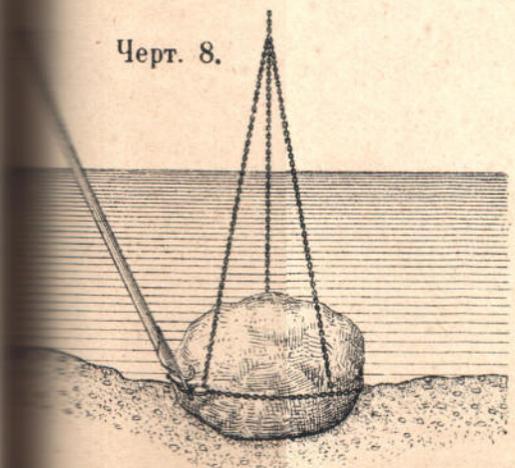
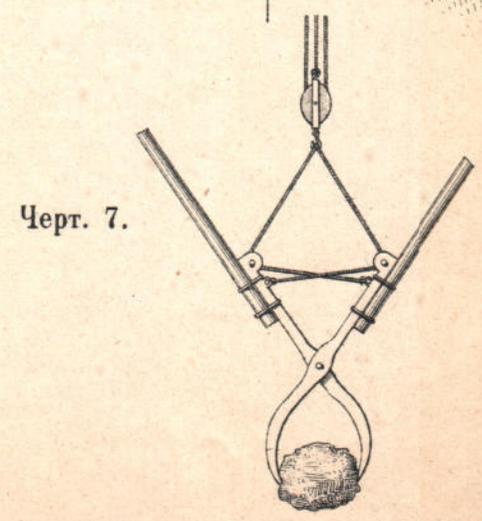
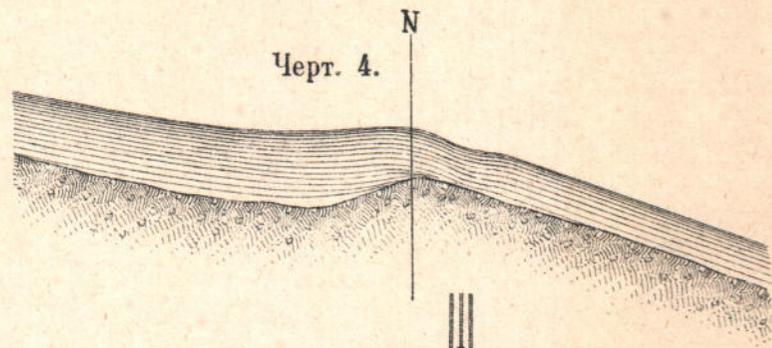
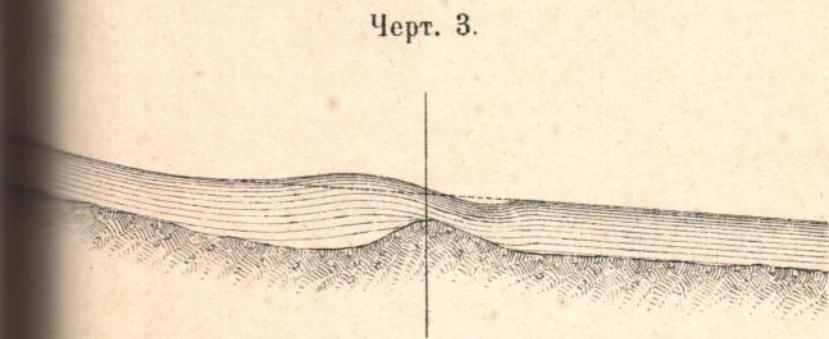
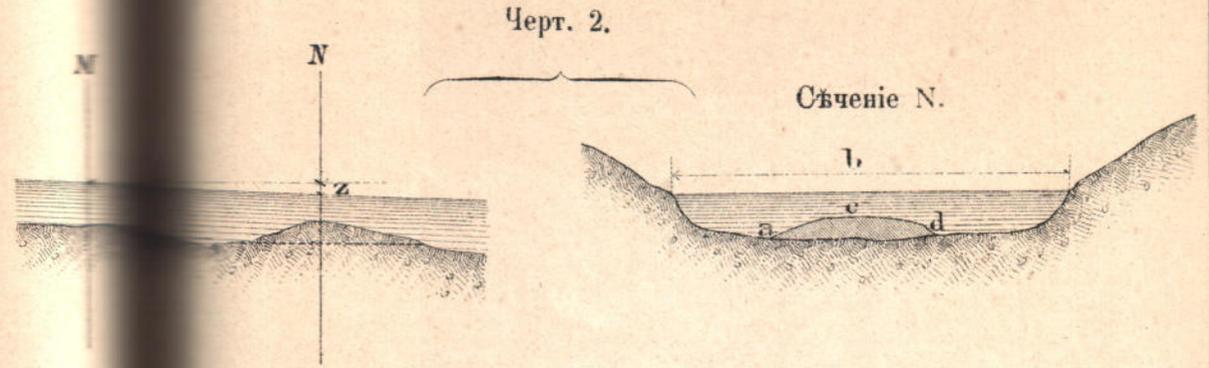
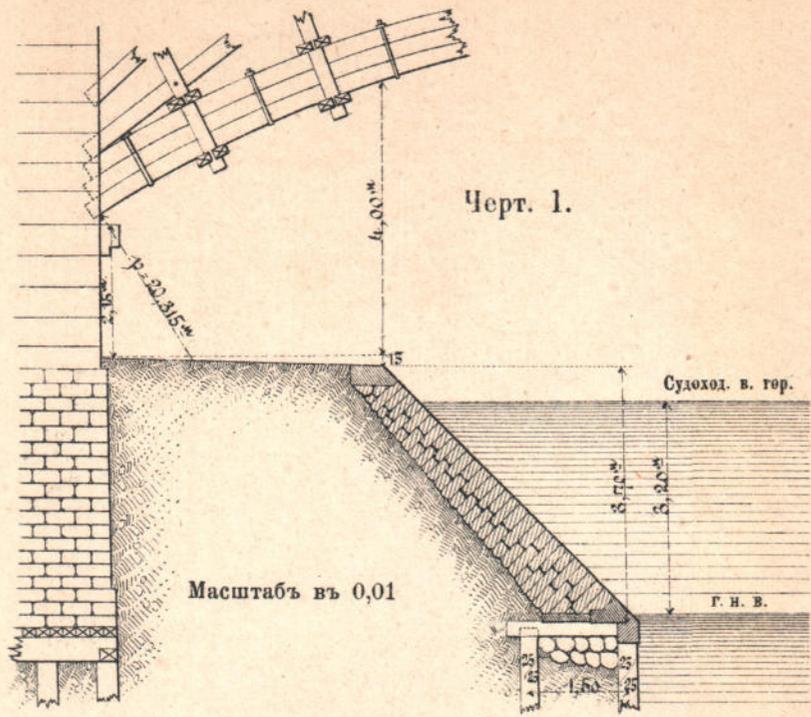


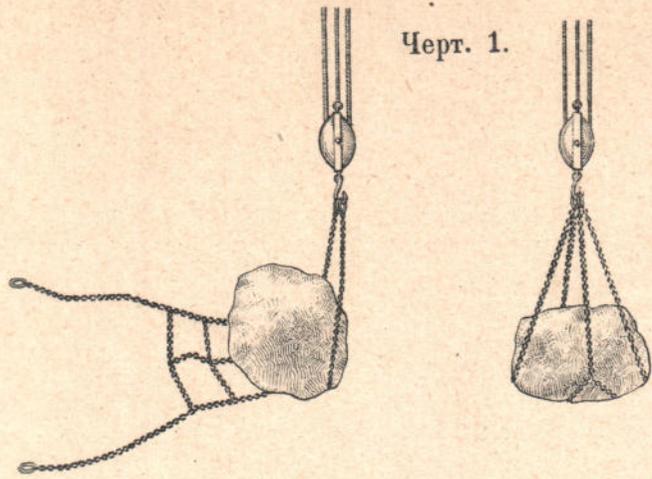
Черт. 6.



Черт 5.



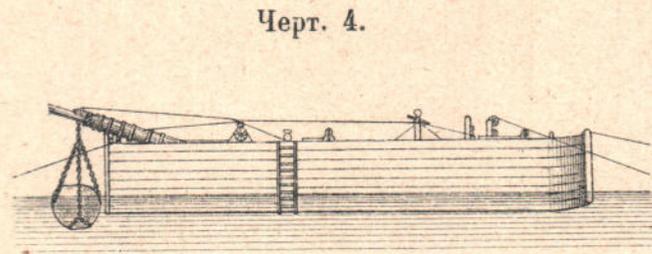




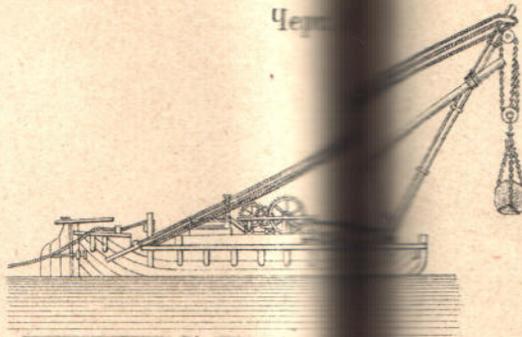
Черт. 1.



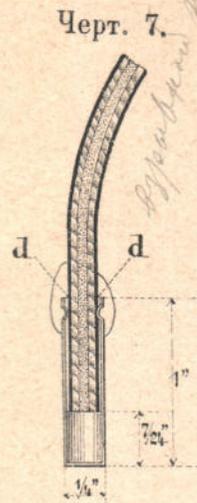
Черт. 2.



Черт. 4.

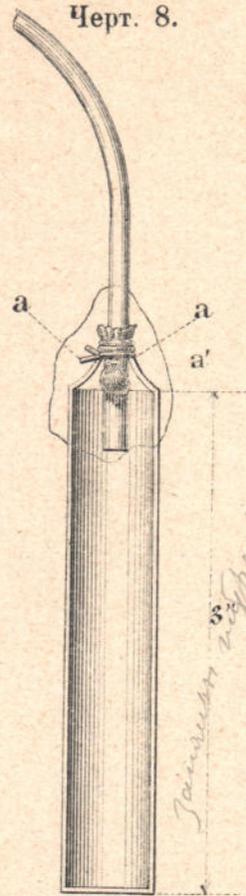


Черт. 3.



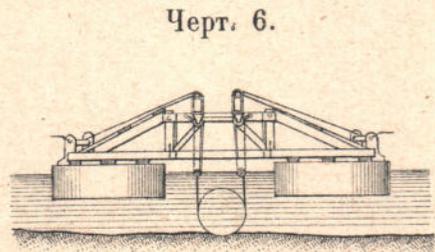
Черт. 7.

Вуравакыи Магг

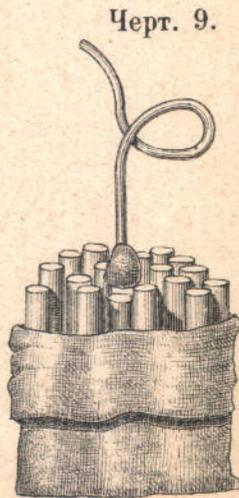


Черт. 8.

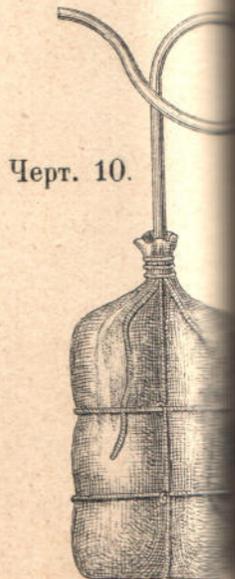
Замкнутыи 2. Черт. 8.



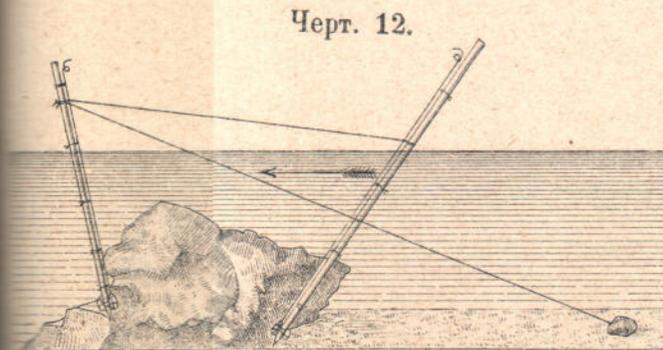
Черт. 6.



Черт. 9.

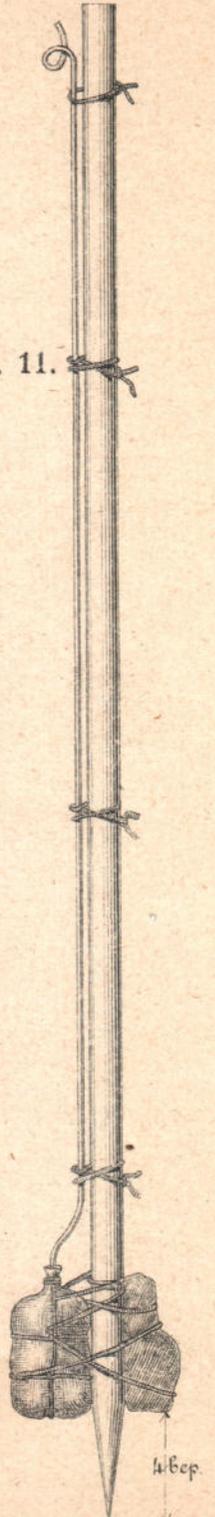


Черт. 10.

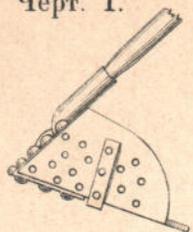


Черт. 12.

Черт. 11.



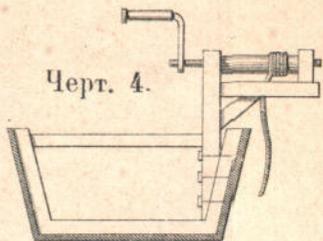
Черт. 1.



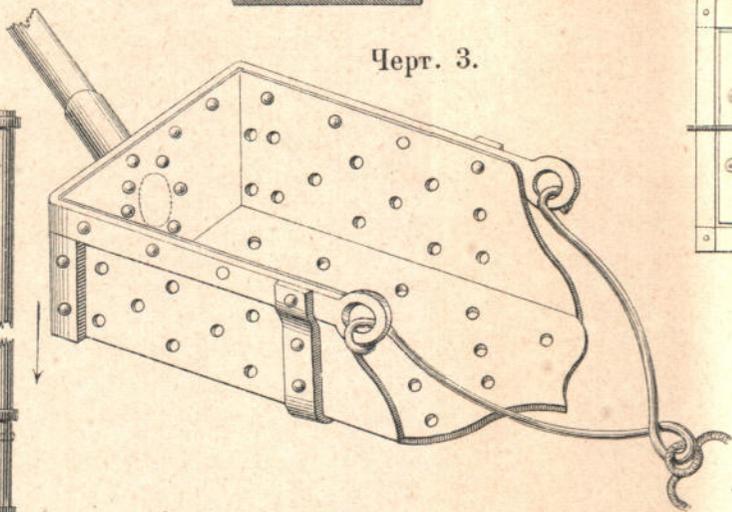
Черт. 2.



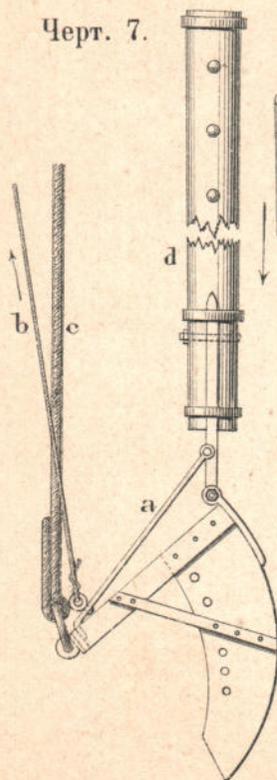
Черт. 4.



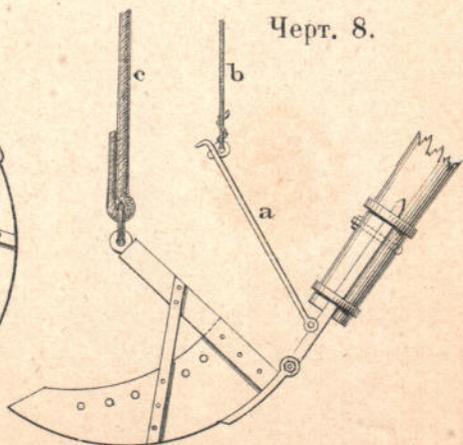
Черт. 3.



Черт. 7.

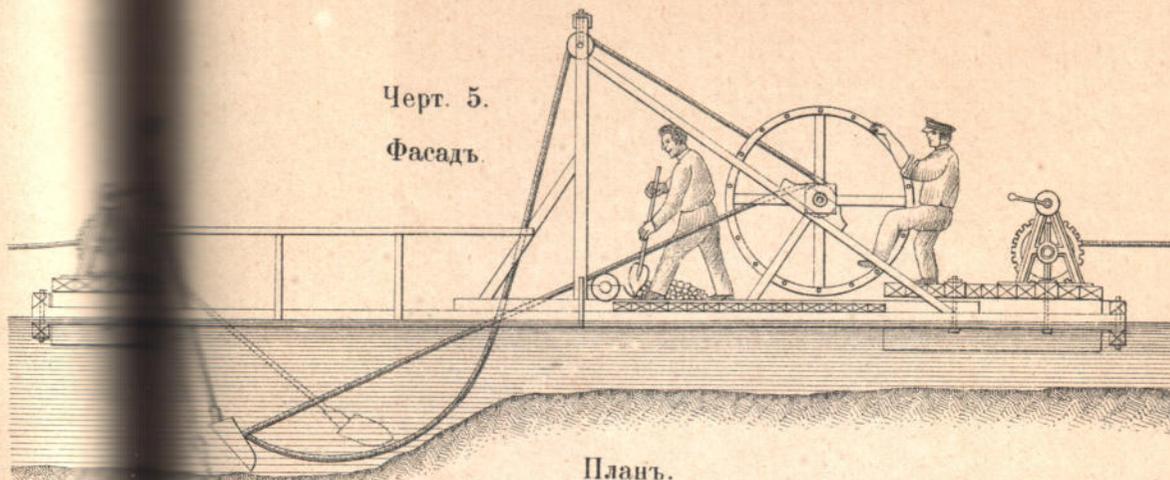


Черт. 8.

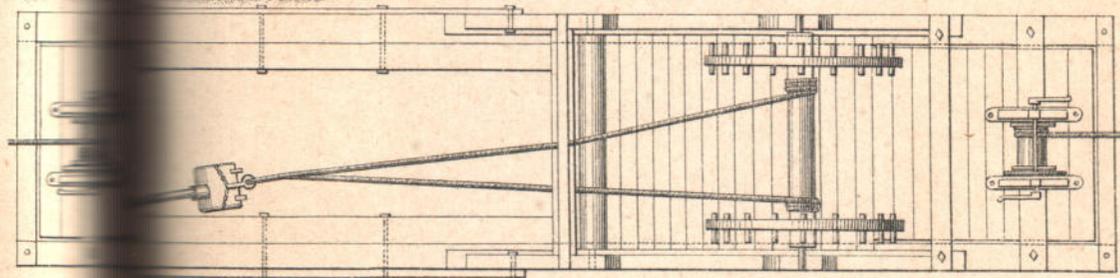


Черт. 5.

Фасадъ.



Планъ.

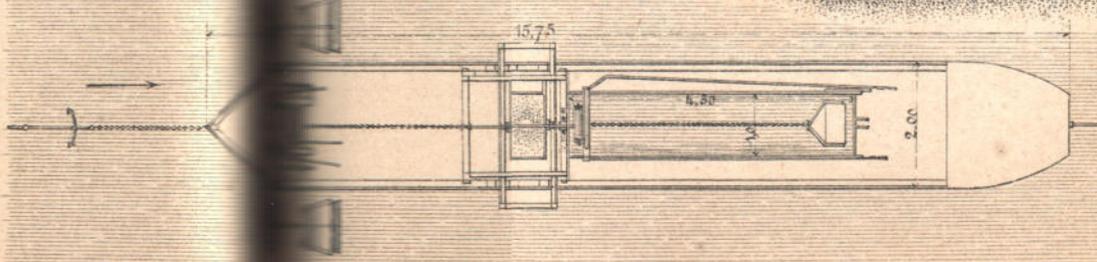


Черт. 6 Фасадъ.

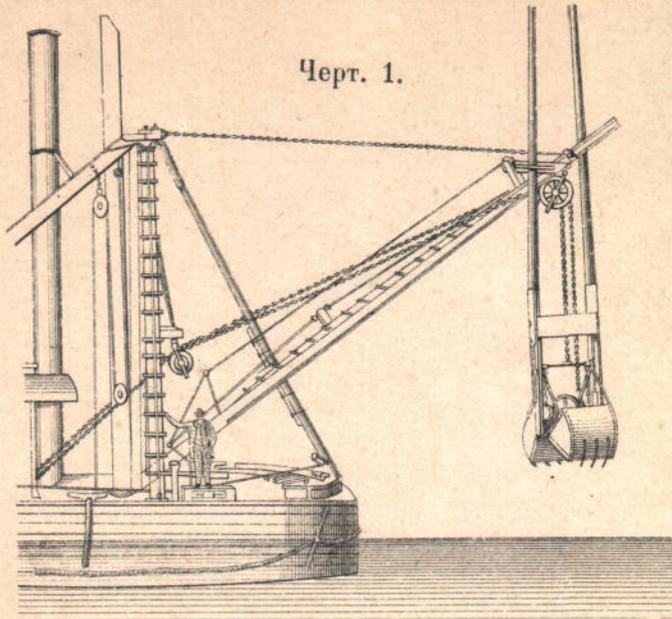
Разрѣзъ.



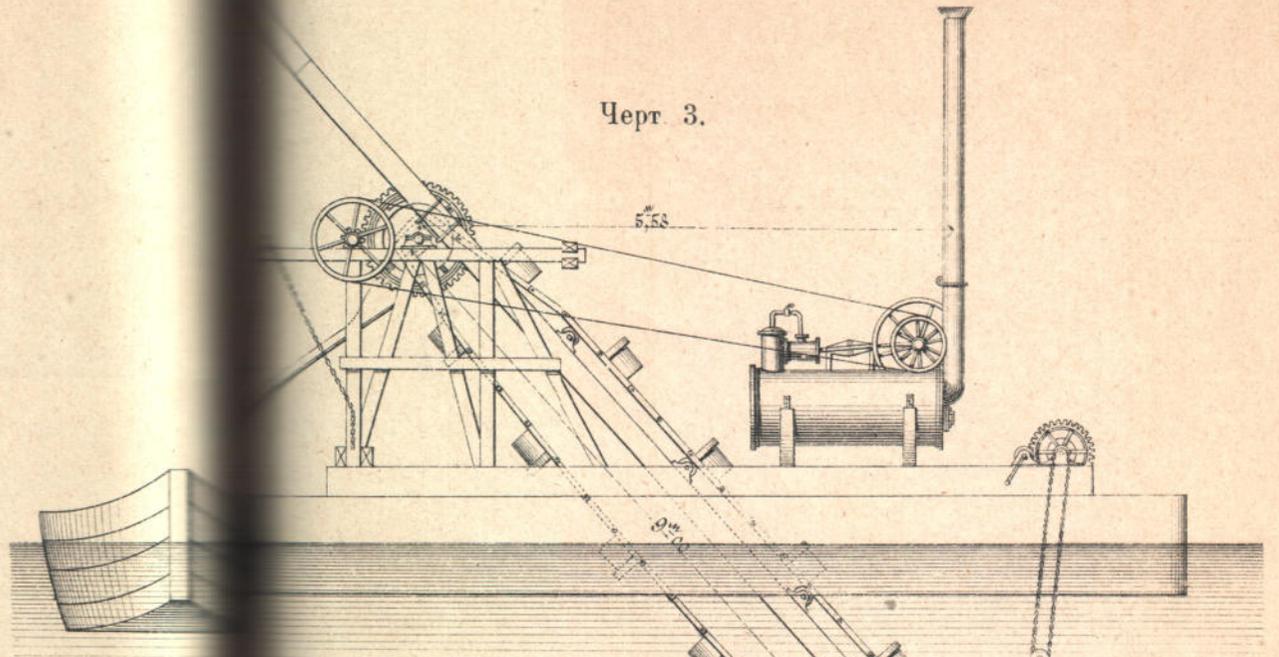
Планъ.



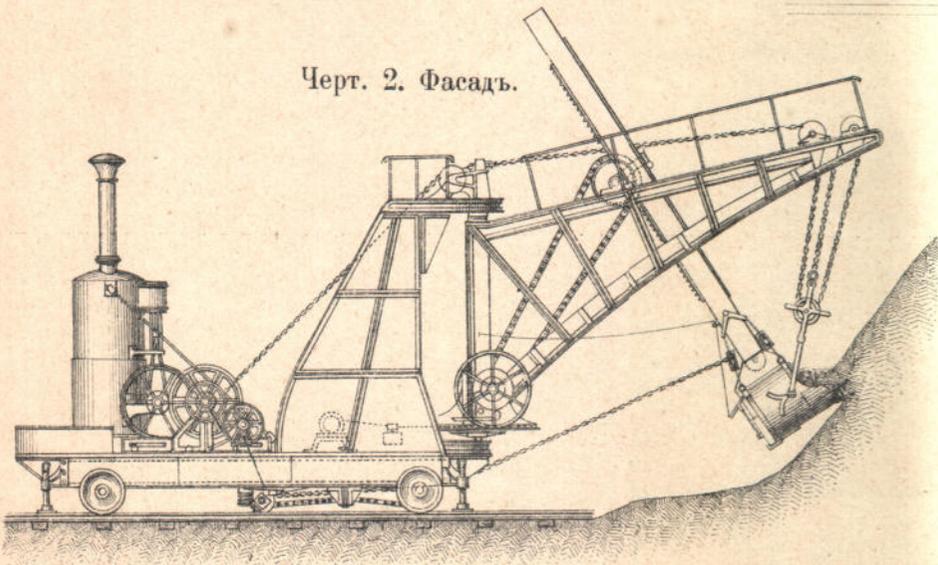
Черт. 1.



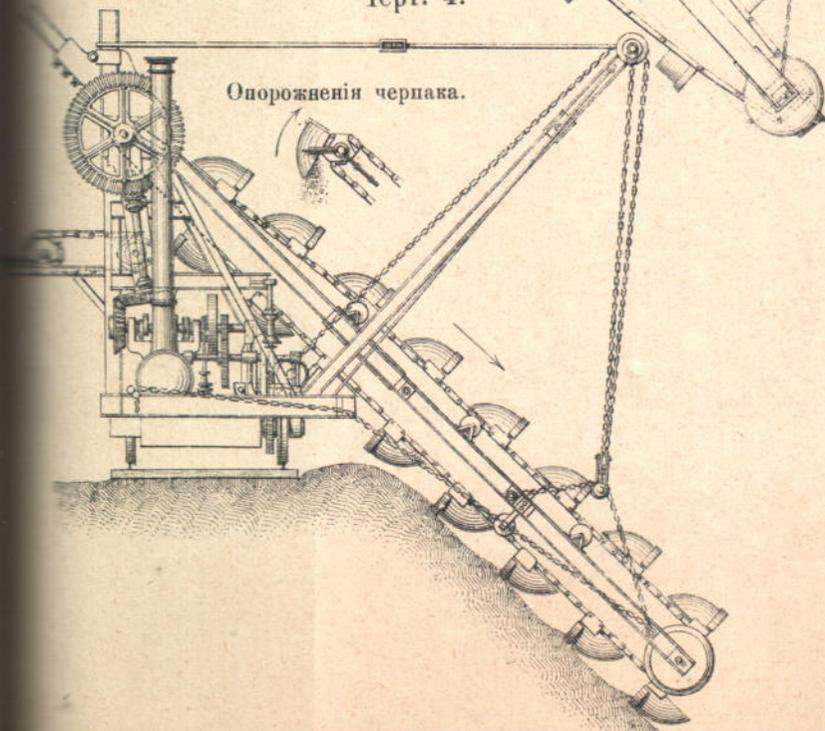
Черт. 3.



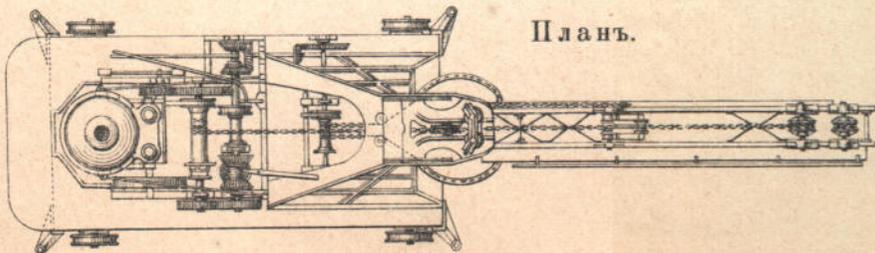
Черт. 2. Фасадъ.

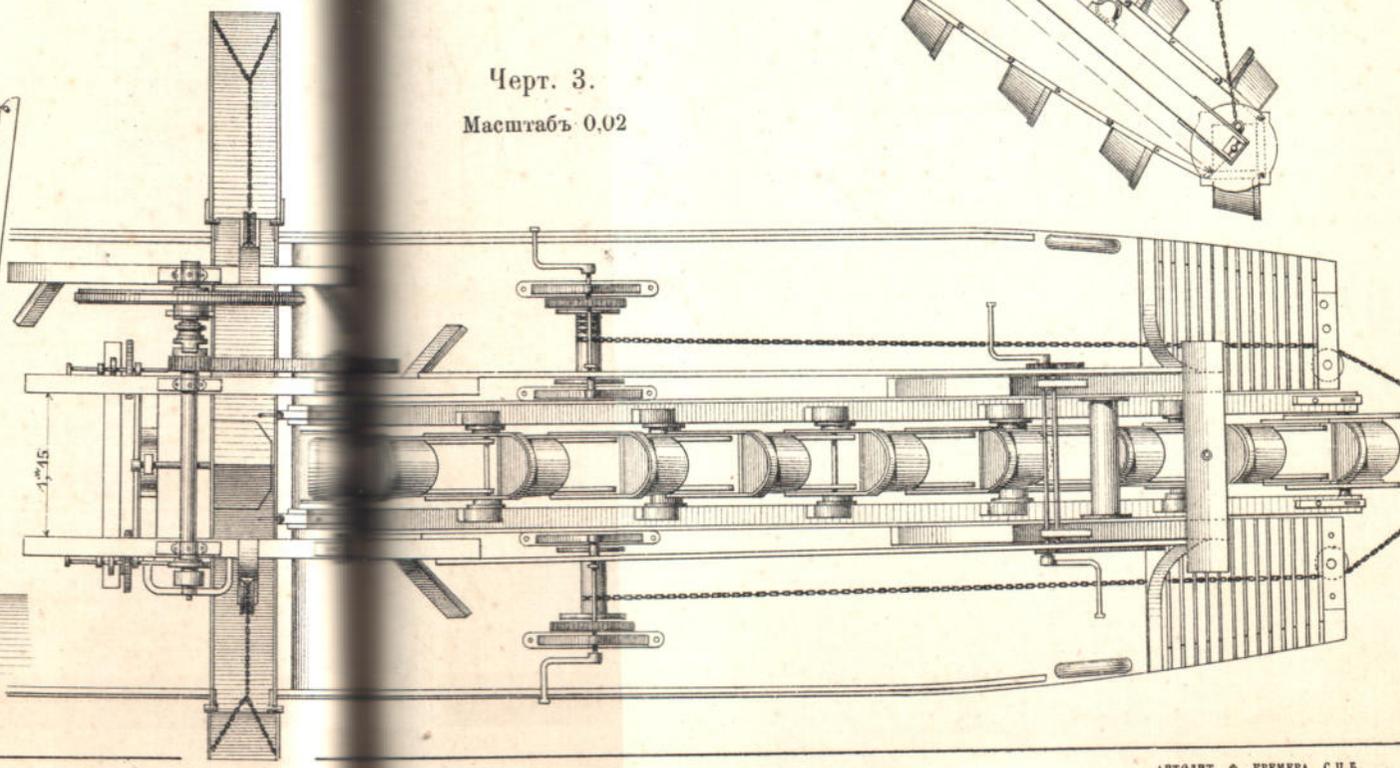
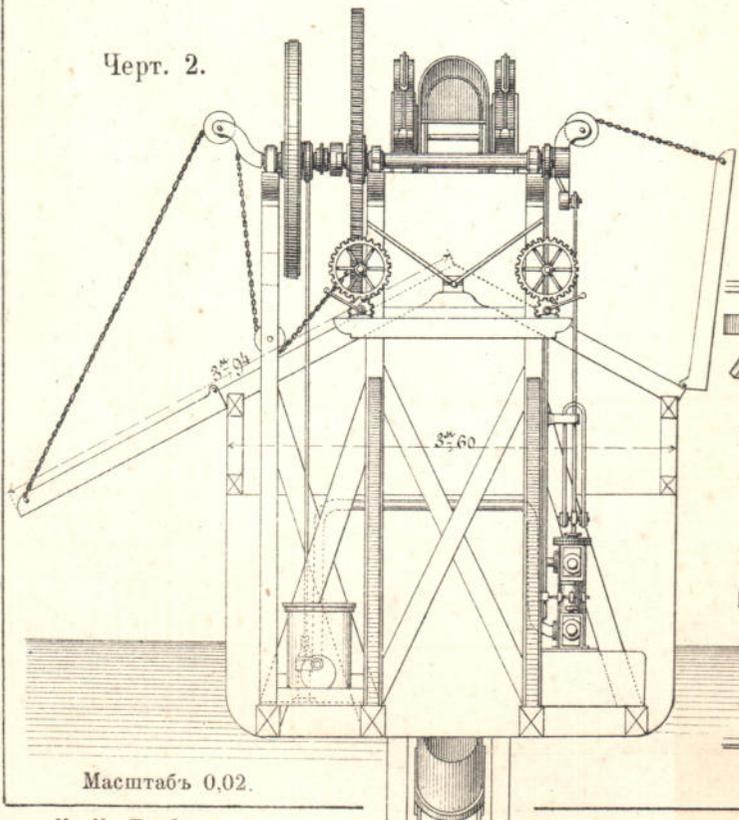
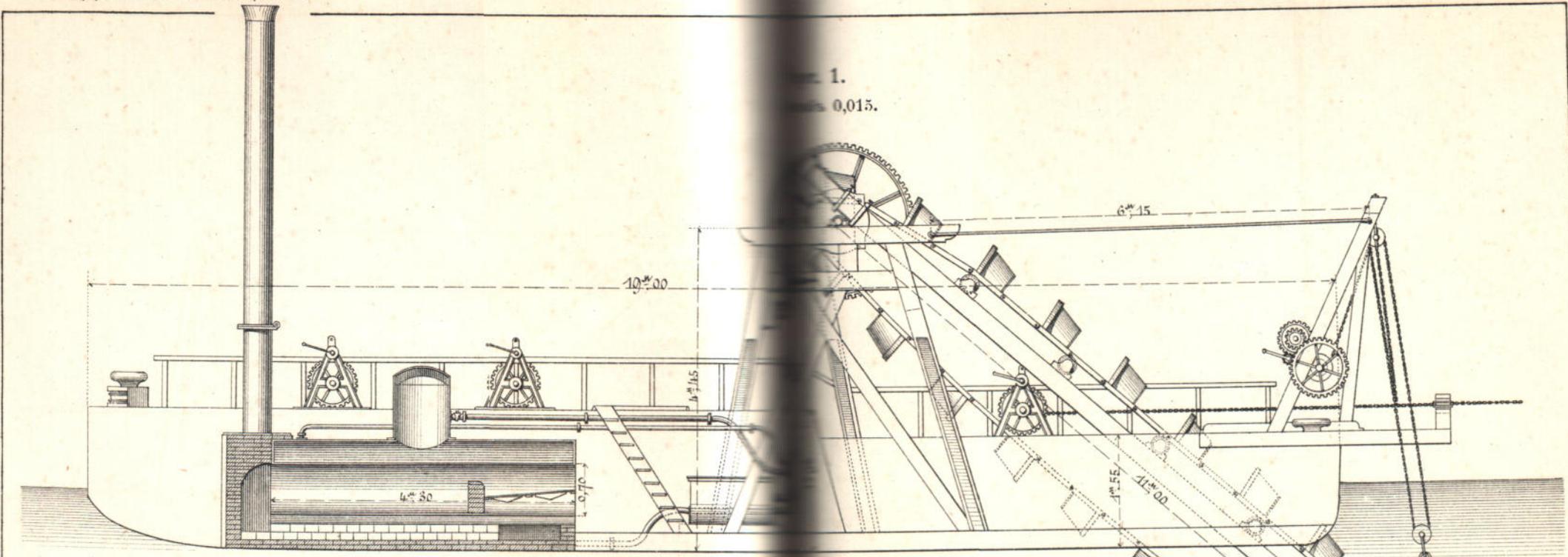


Черт. 4.



Планъ.

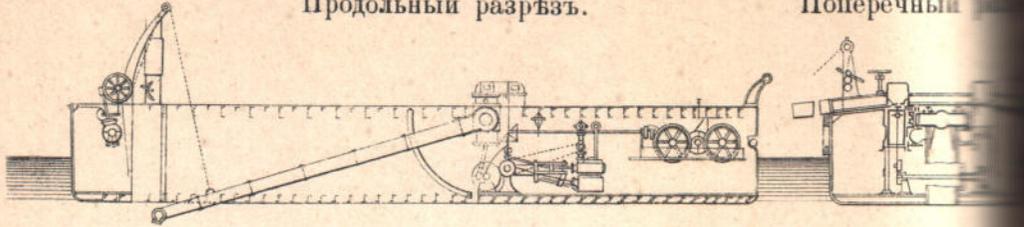




Черт. 1.

Продольный разрезъ.

Поперечный



Черт. 3.

Продольный разрезъ.



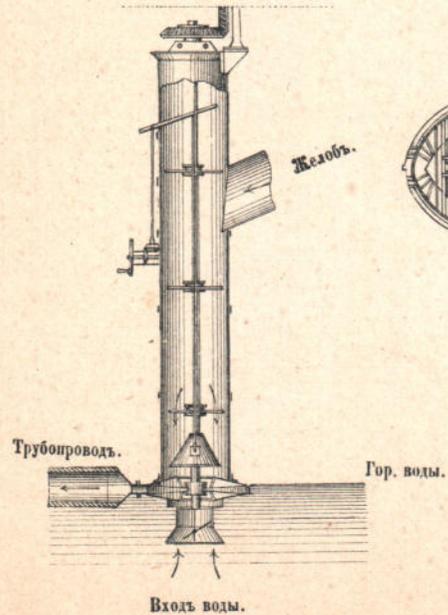
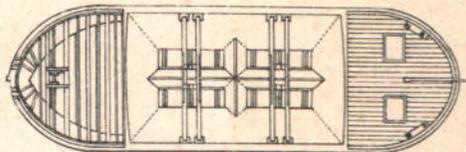
Черт. 2.

Продольный разрезъ. Поперечный разрезъ

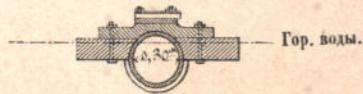


Черт. 5.

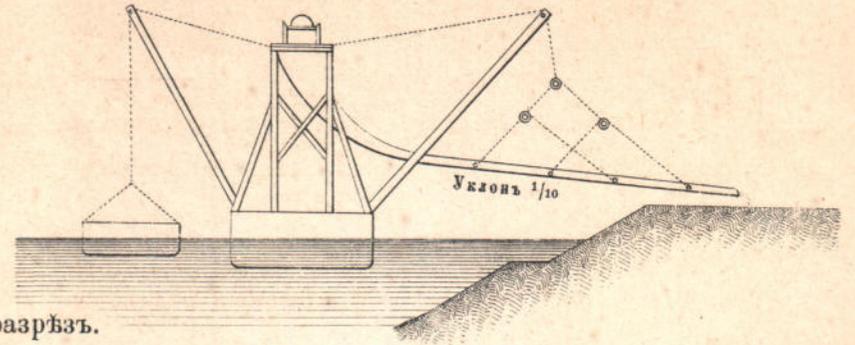
Планъ.



Черт. 6.



Черт. 4.

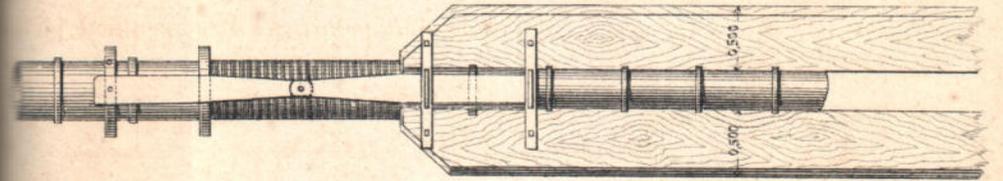


Поперечный разрезъ.

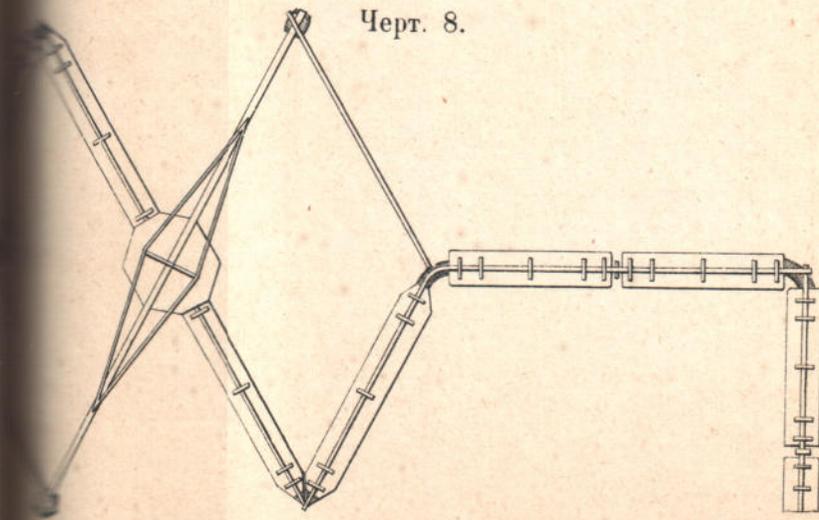


Черт. 7.

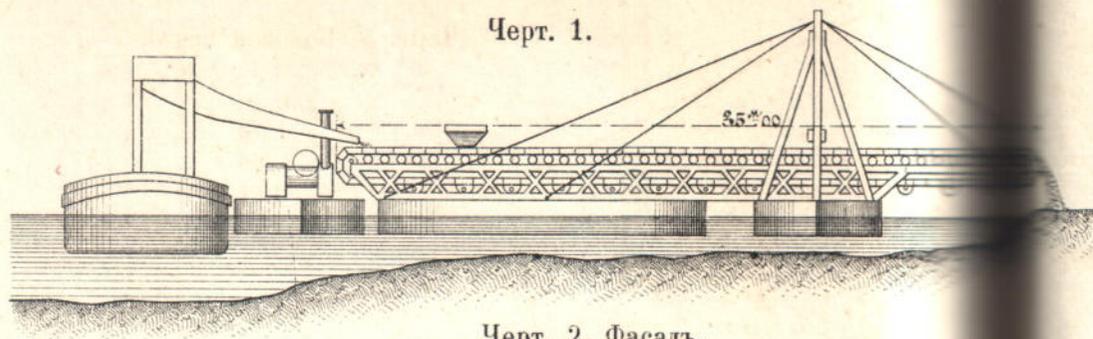
улучшенный тип развѣ



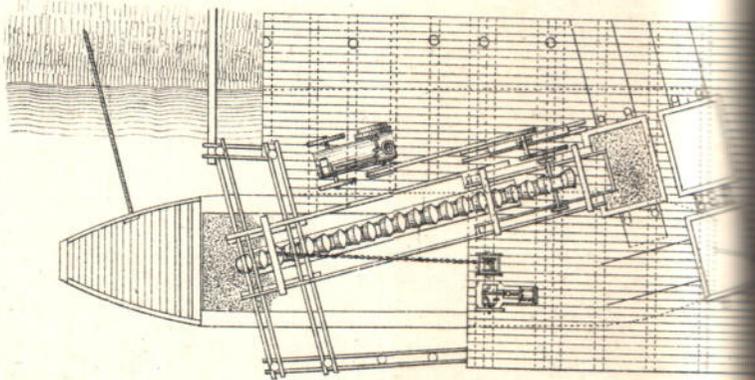
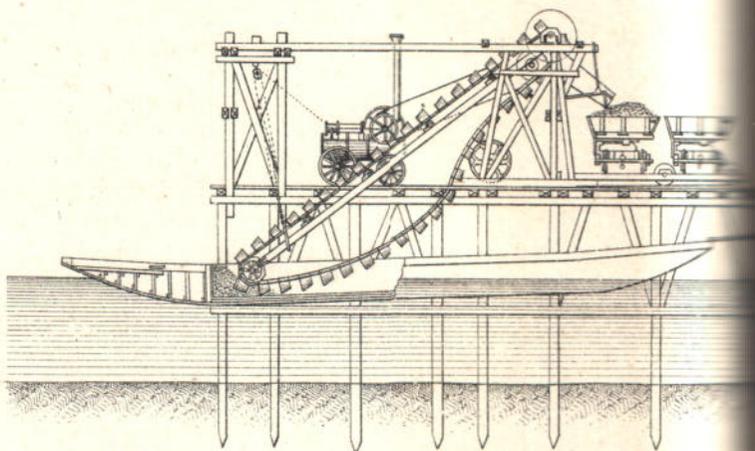
Черт. 8.



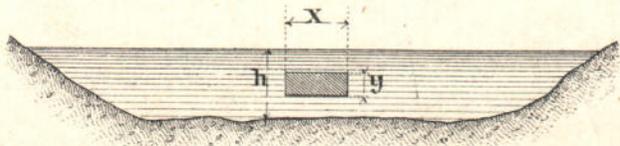
Черт. 1.



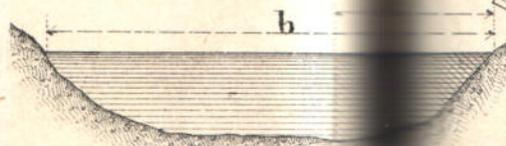
Черт. 2. Фасадъ.



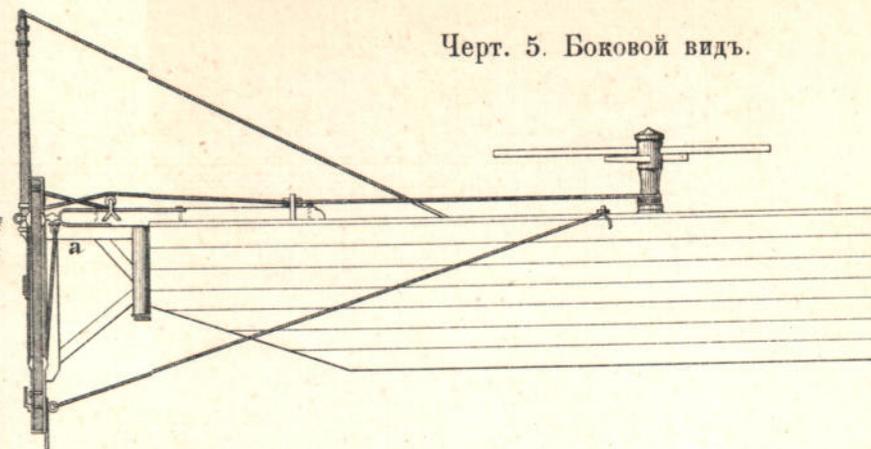
Черт. 3.



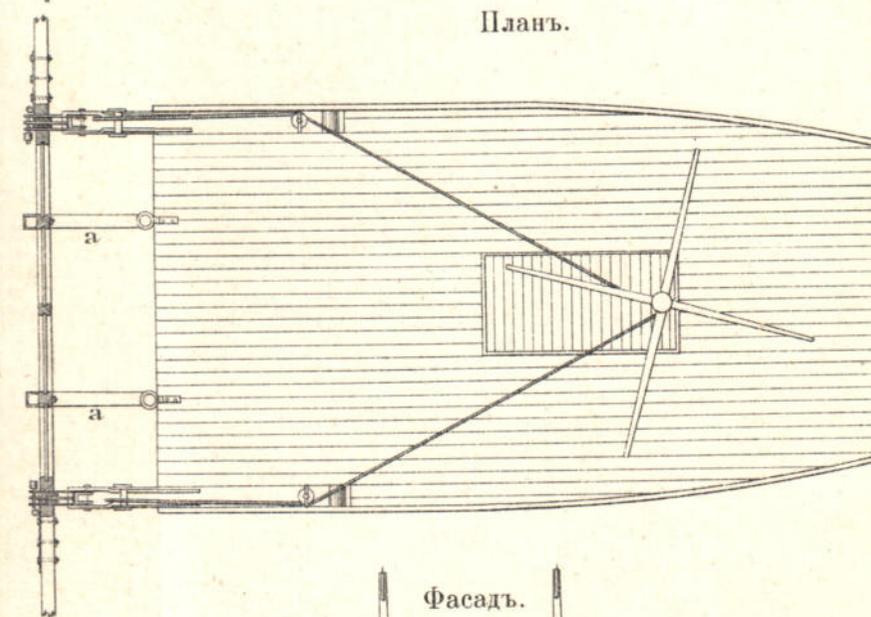
Черт. 4.



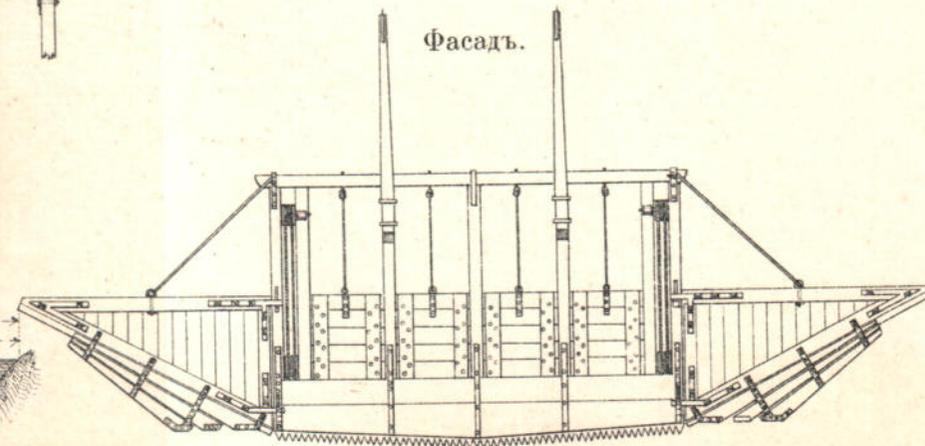
Черт. 5. Боковой видъ.

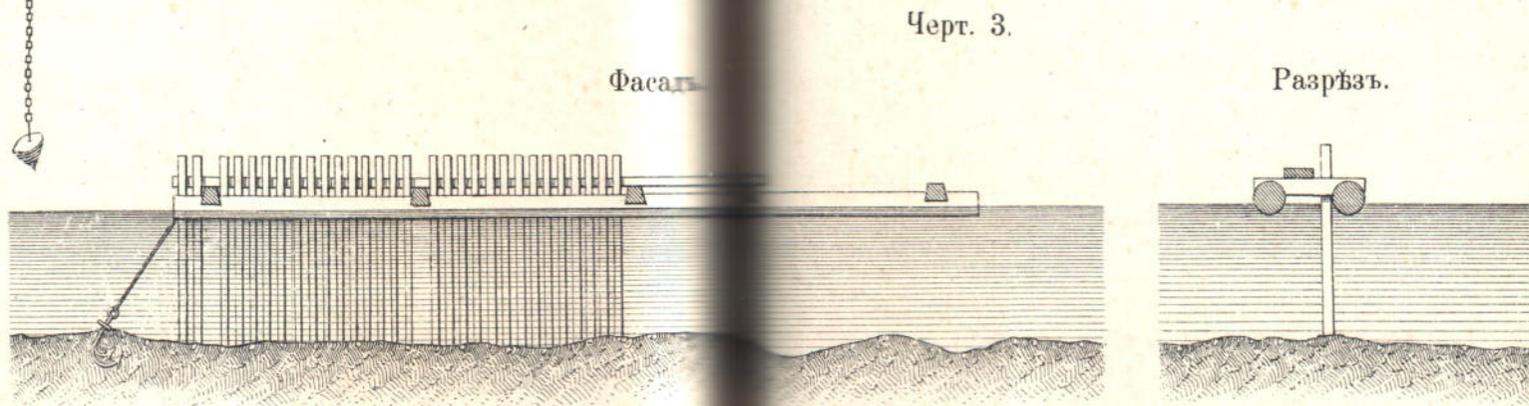
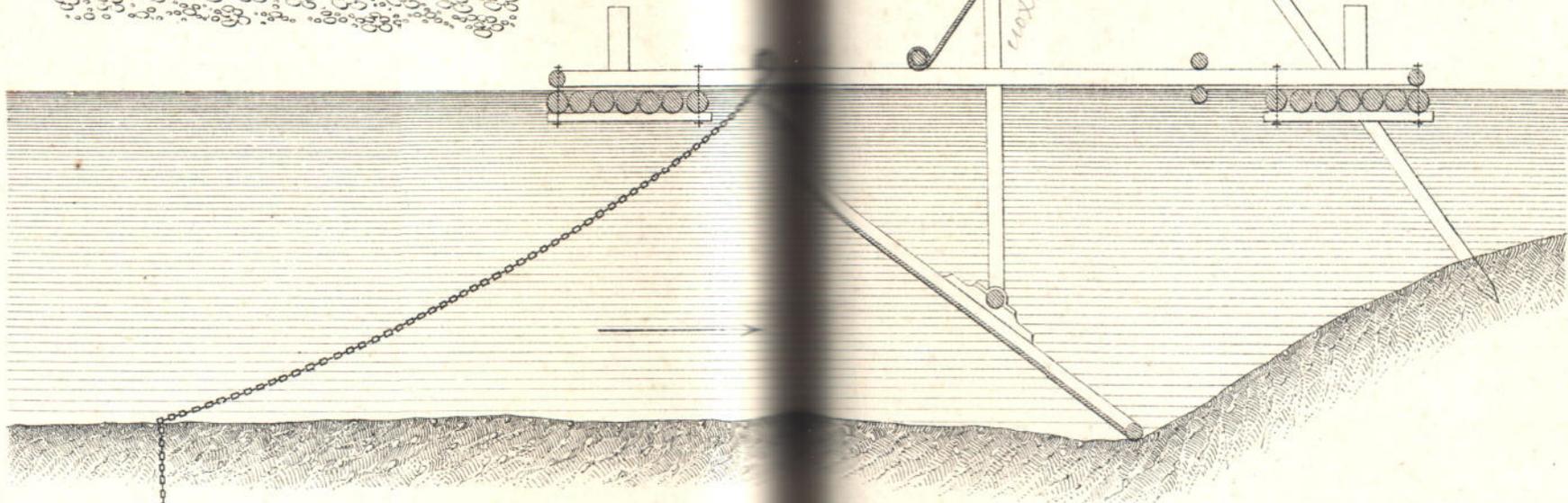
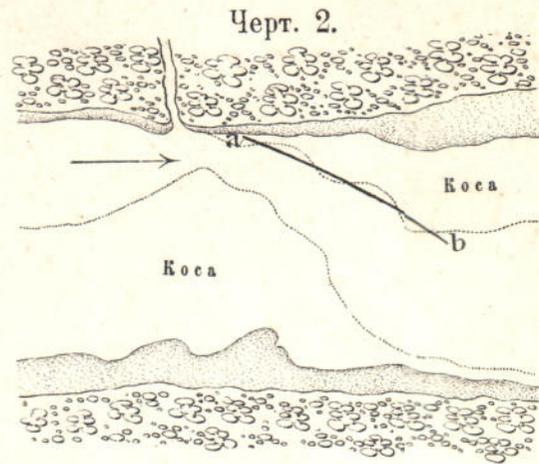


Планъ.

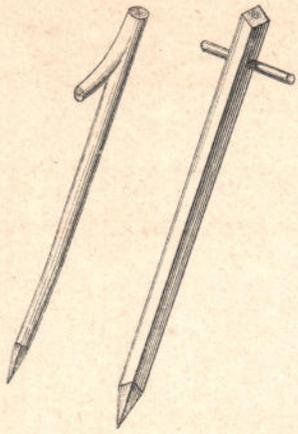


Фасадъ.





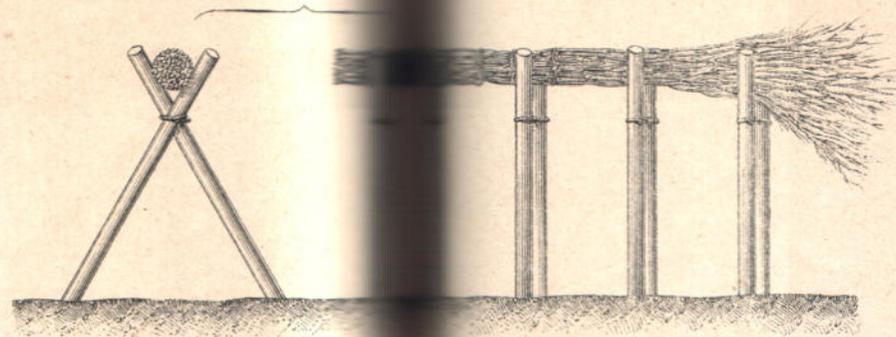
Черт. 1.



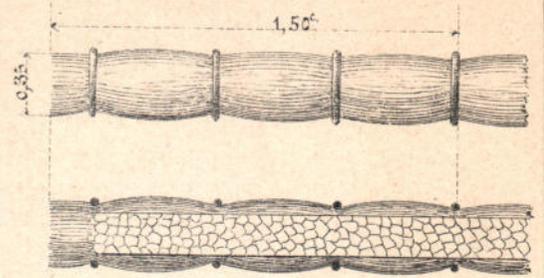
Черт. 2.



Черт. 3.



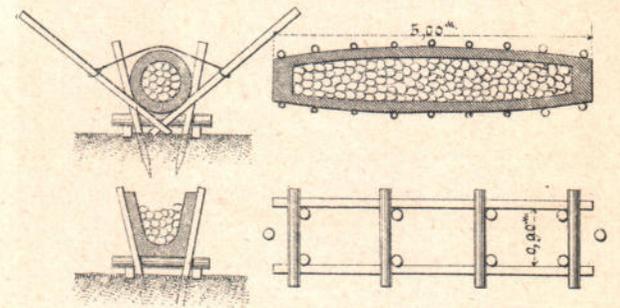
Черт. 6.



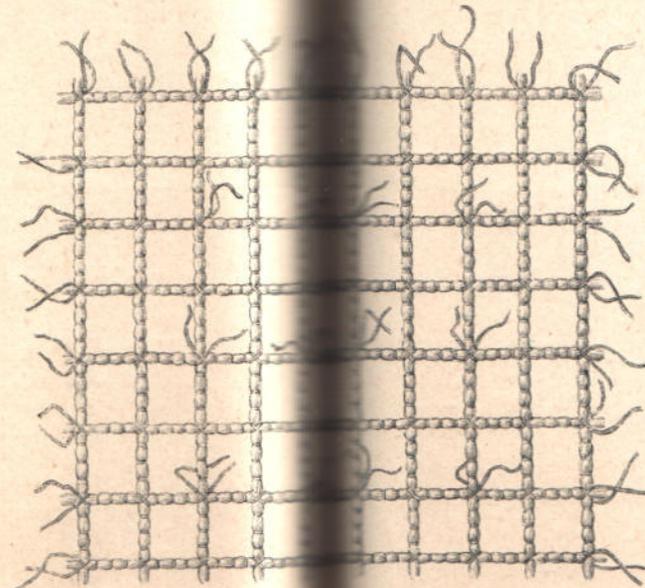
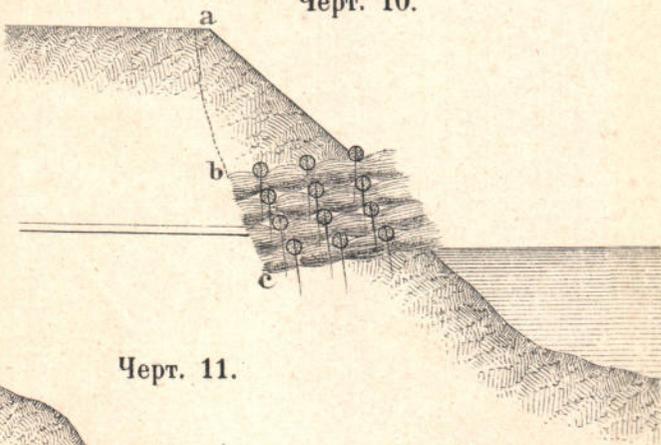
Черт. 4.



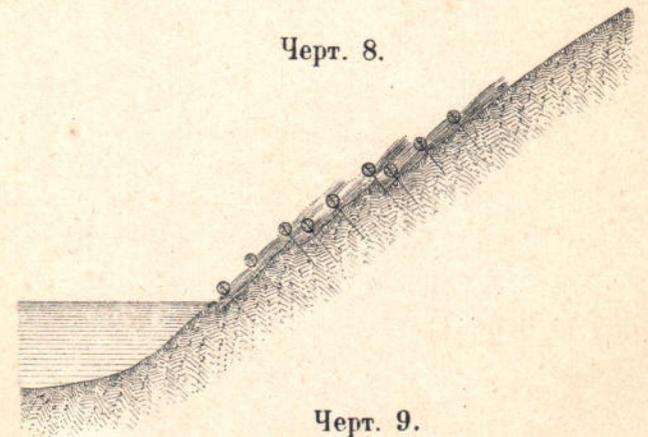
Черт. 5.



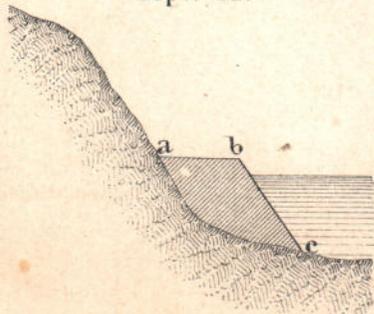
Черт. 10.



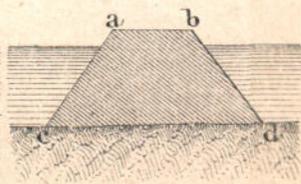
Черт. 8.



Черт. 11.



Черт. 12.

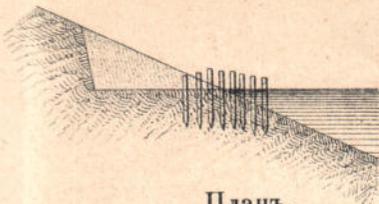


Черт. 9.

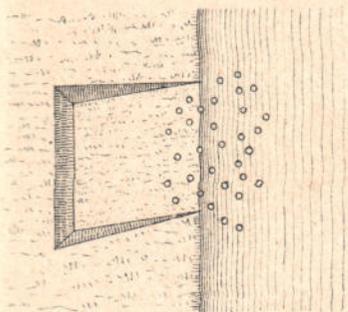
Сторона рѣчная или напора воды

Сторона береговая

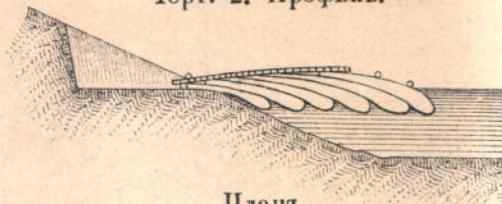
Черт. 1. Профиль.



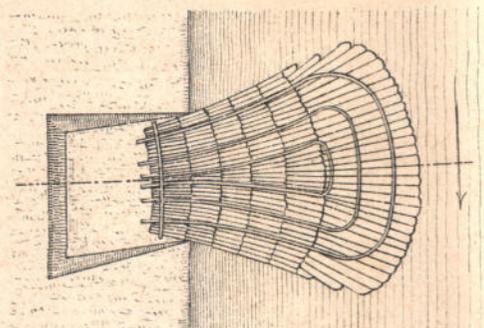
Планъ.



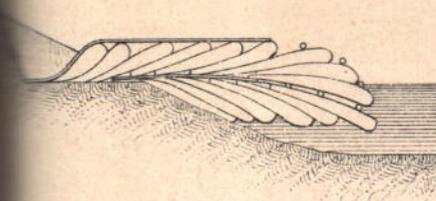
Черт. 2. Профиль.



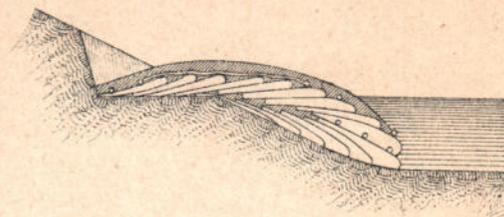
Планъ.



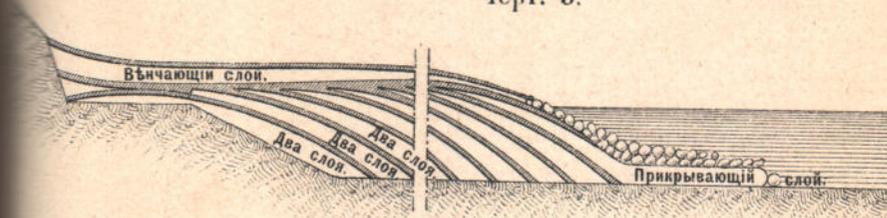
Черт. 3.



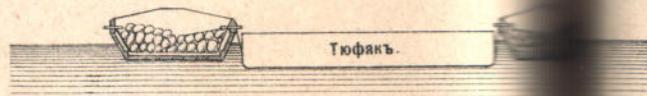
Черт. 4.



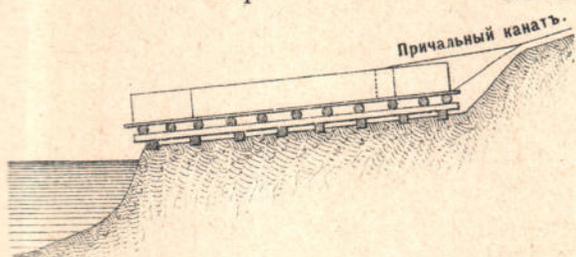
Черт. 5.



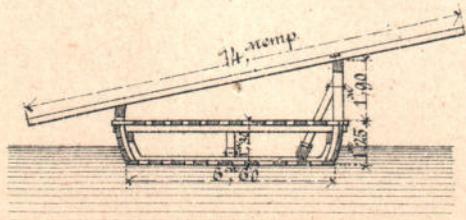
Черт. 7.



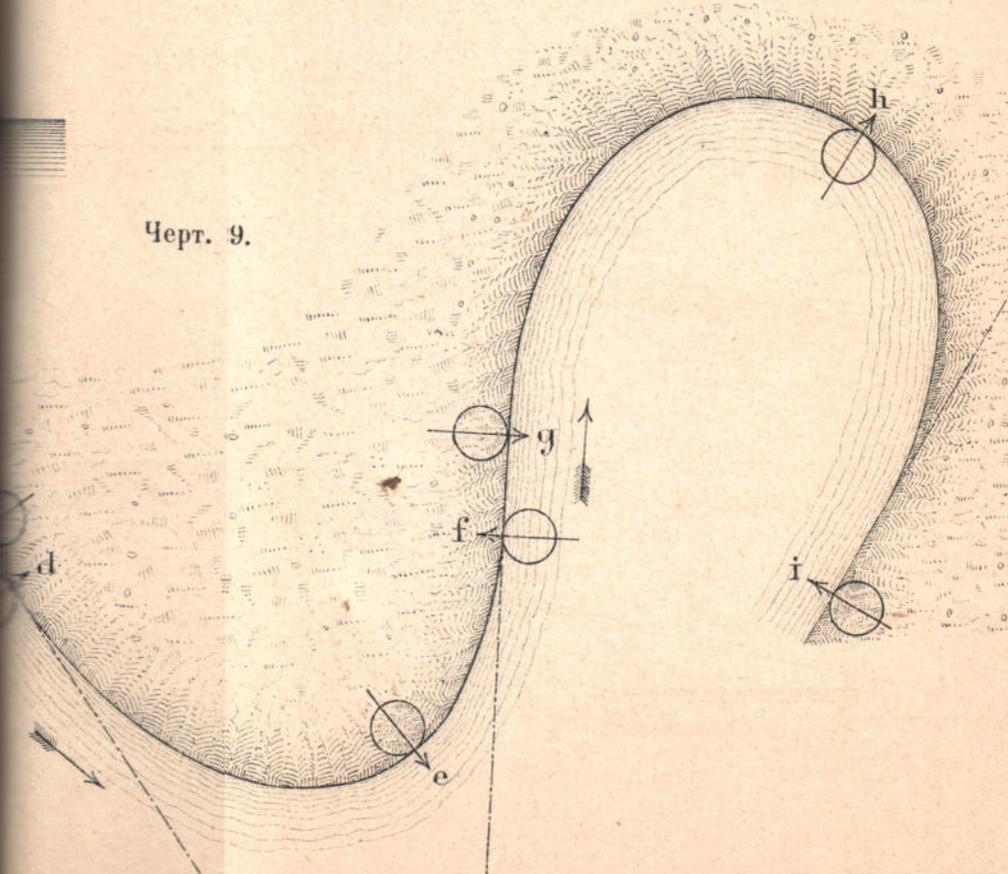
Черт. 6.



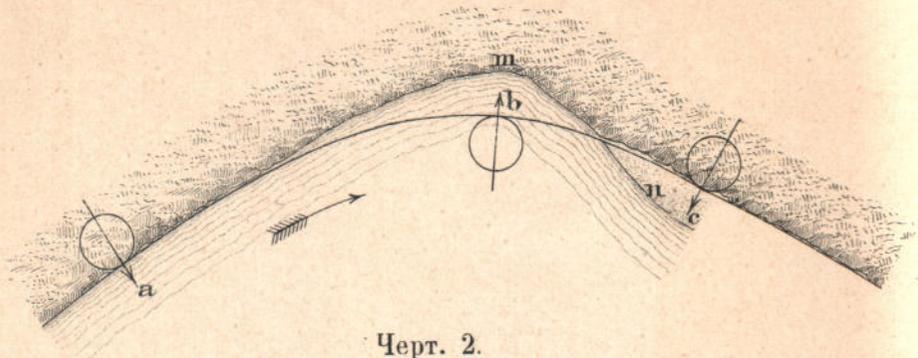
Черт. 8.



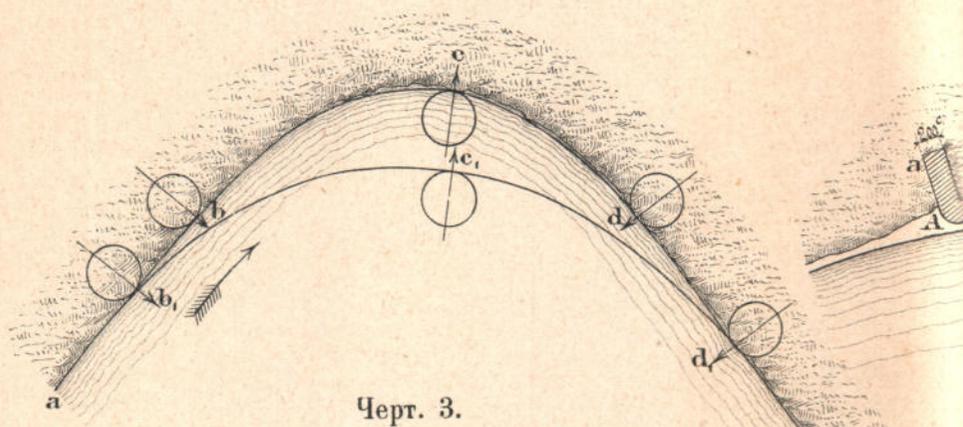
Черт. 9.



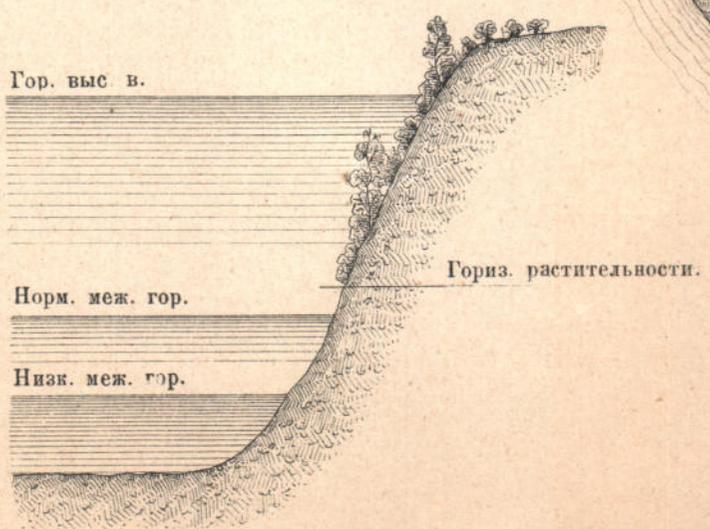
Черт. 1.



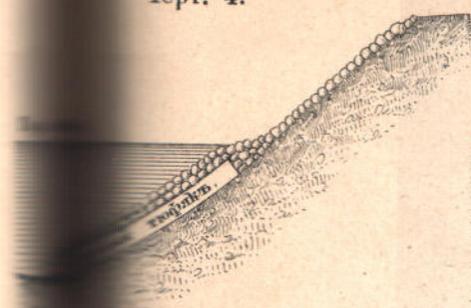
Черт. 2.



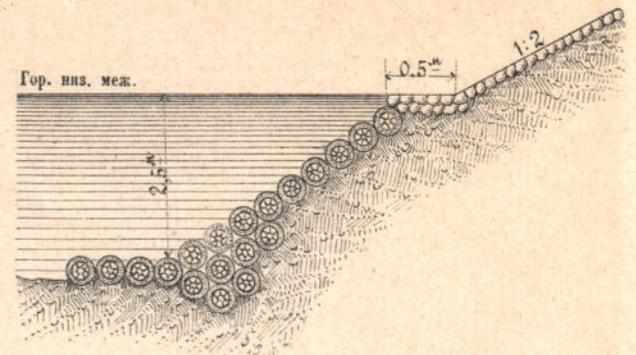
Черт. 3.



Черт. 4.



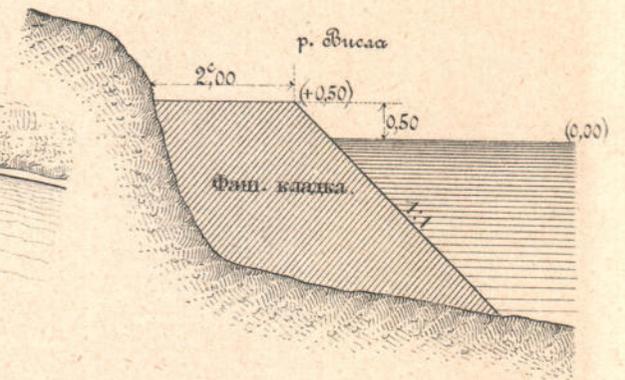
Черт. 5.



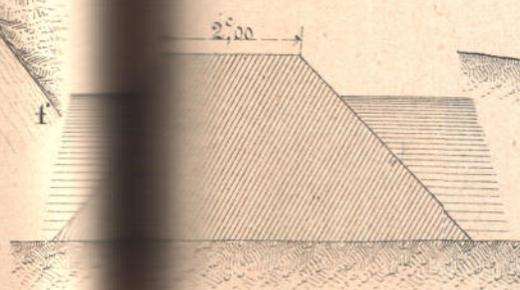
Черт. 7.



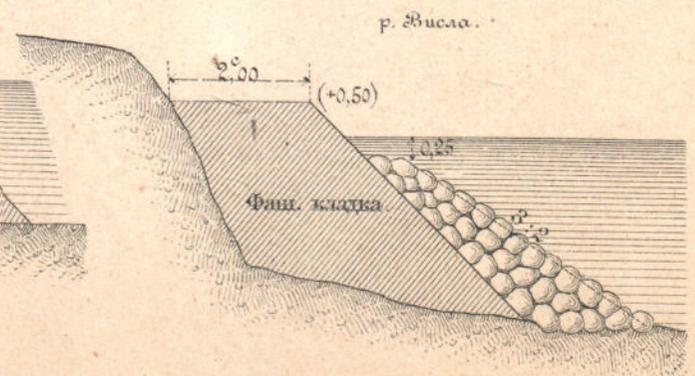
Черт. 6.



Черт. 9.

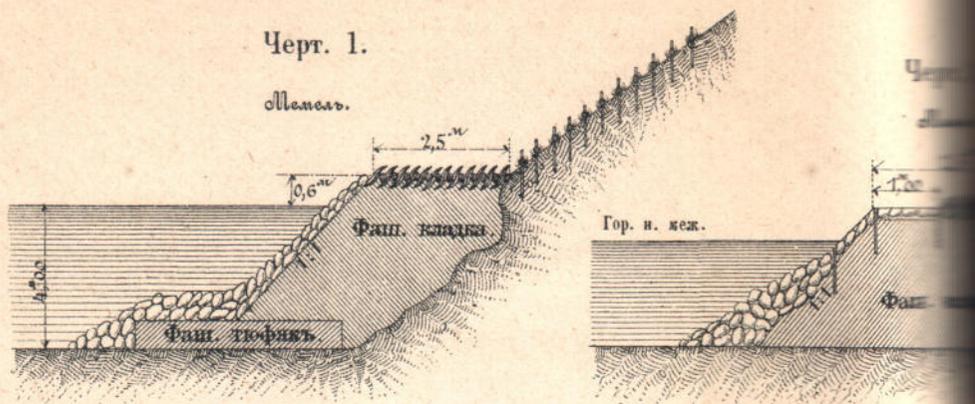


Черт. 8.



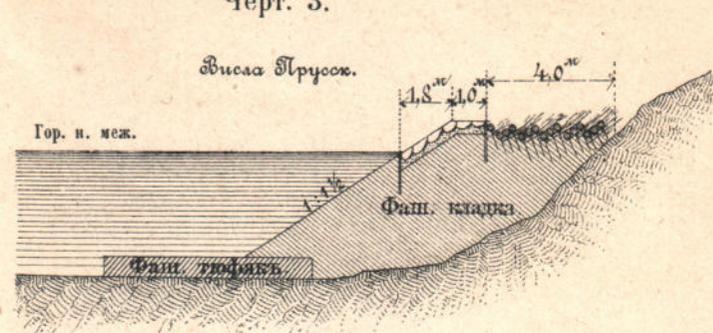
Черт. 1.

Мемель.



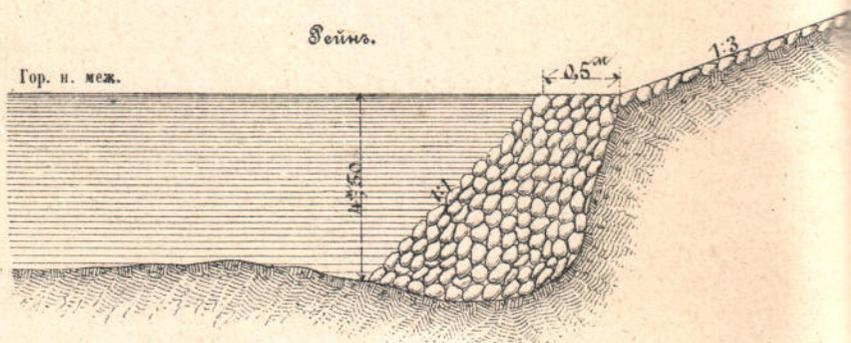
Черт. 3.

Висла Прусск.



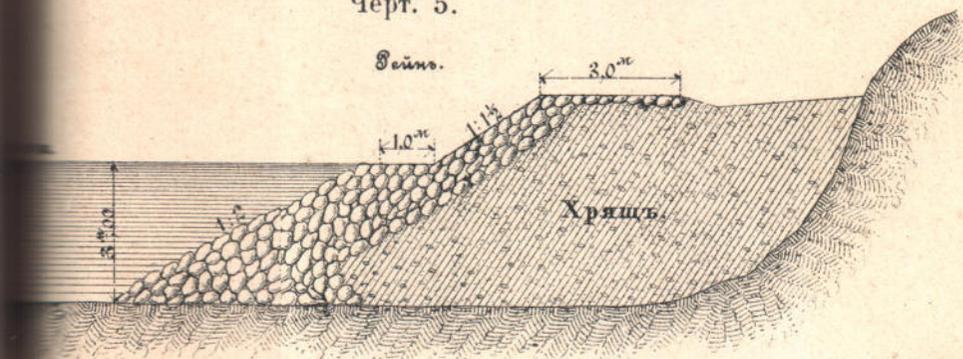
Черт. 4.

Вейна.



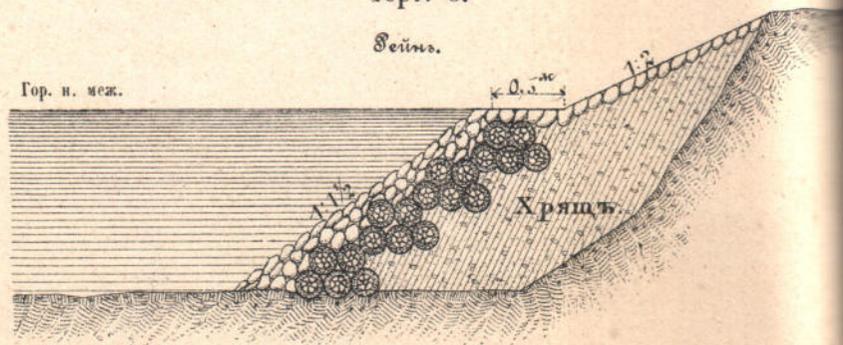
Черт. 5.

Вейна.



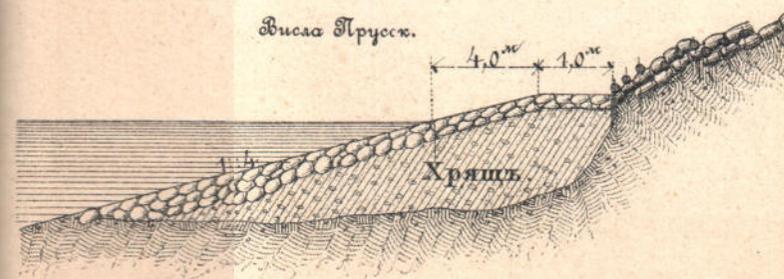
Черт. 6.

Вейна.

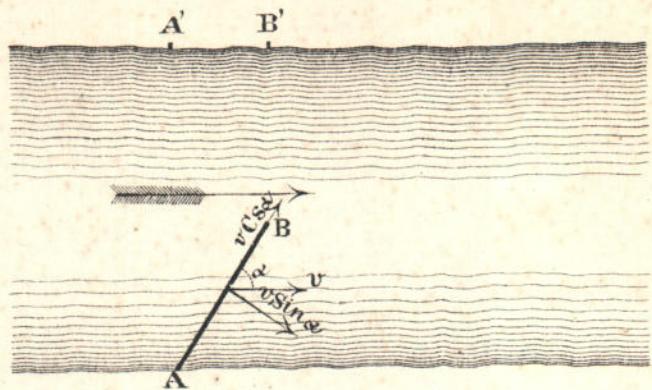


Черт. 7.

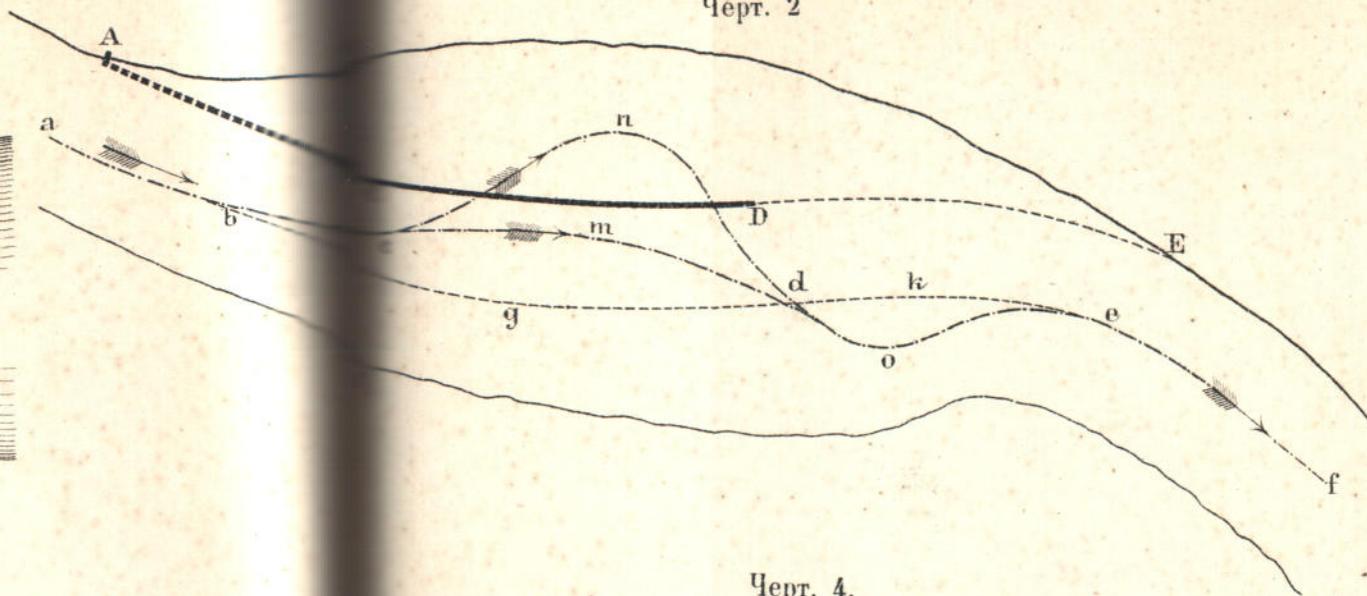
Висла Прусск.



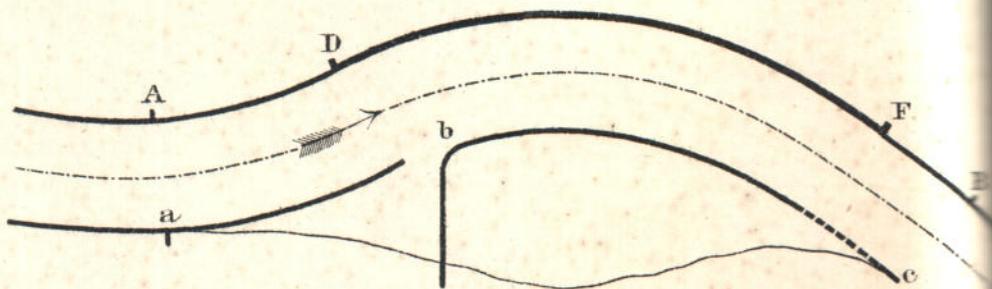
Черт. 1.



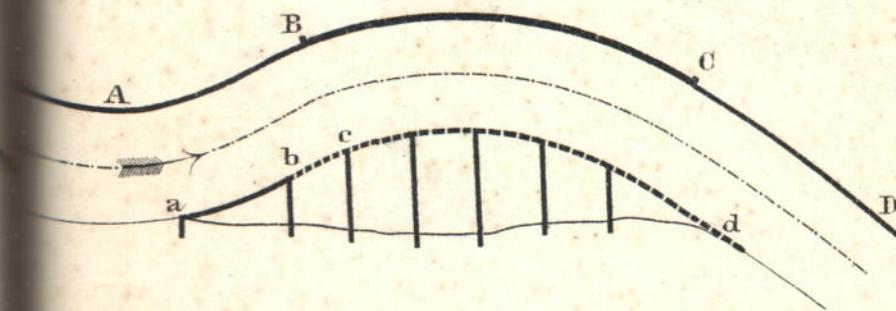
Черт. 2.



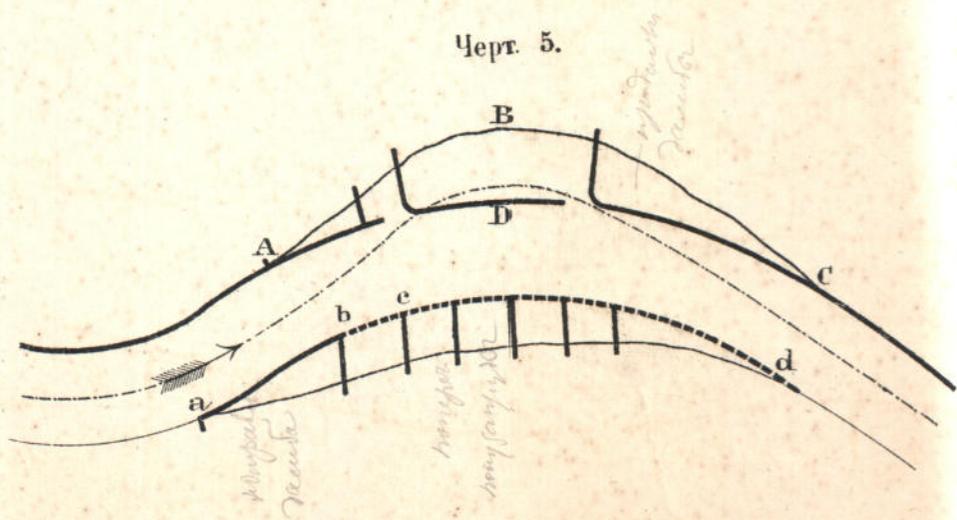
Черт. 3.



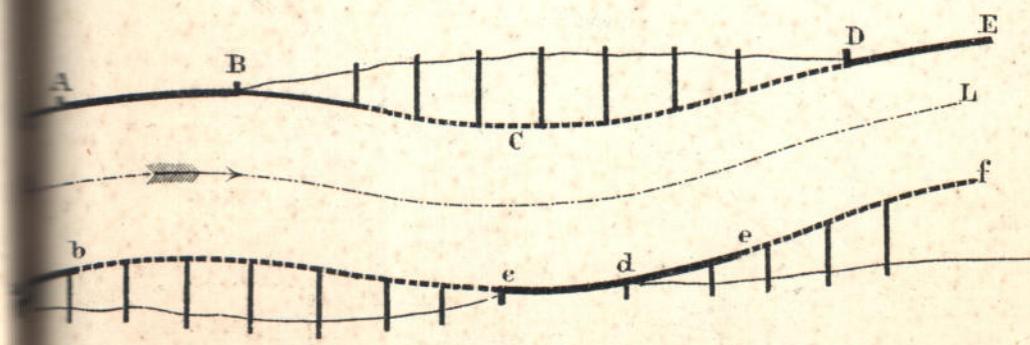
Черт. 4.



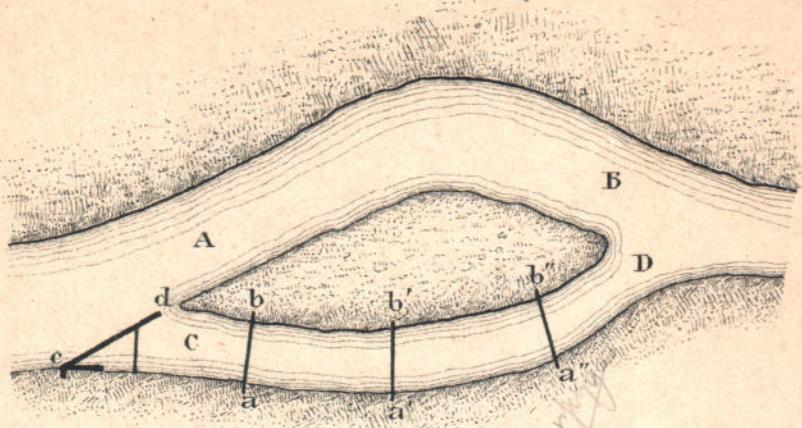
Черт. 5.



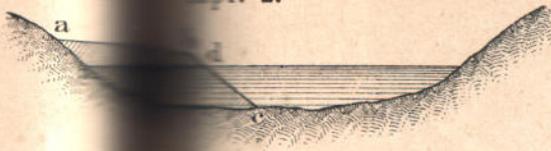
Черт. 6.



Черт. 1.



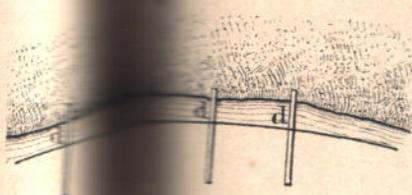
Черт. 2.



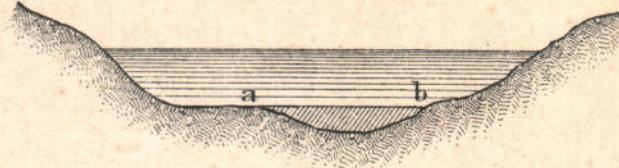
Черт. 3.



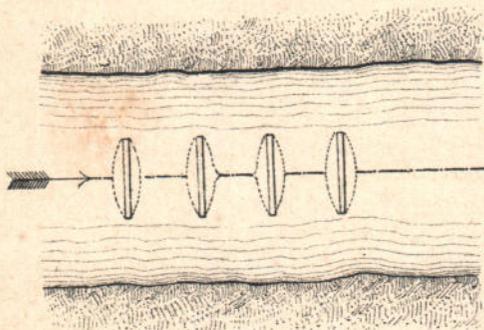
Черт. 4.



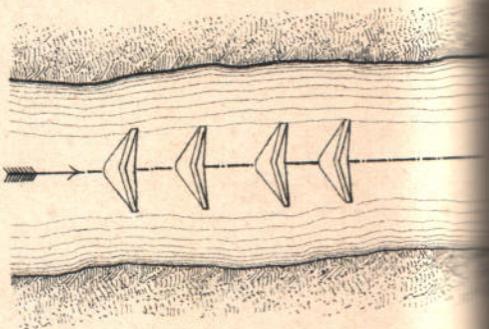
Черт. 5.



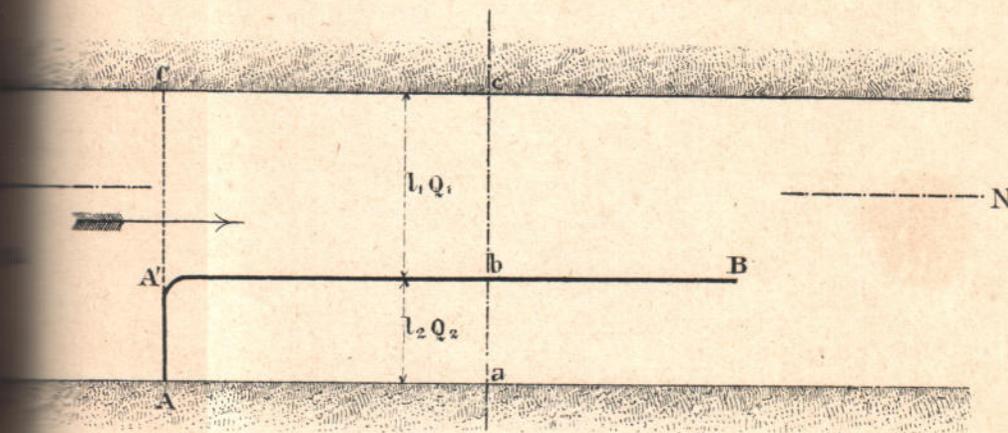
Черт. 6.



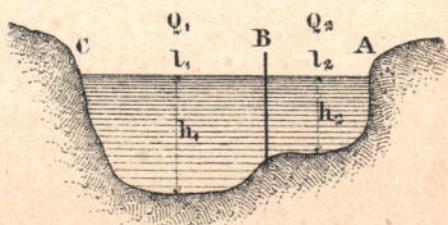
Черт. 7.



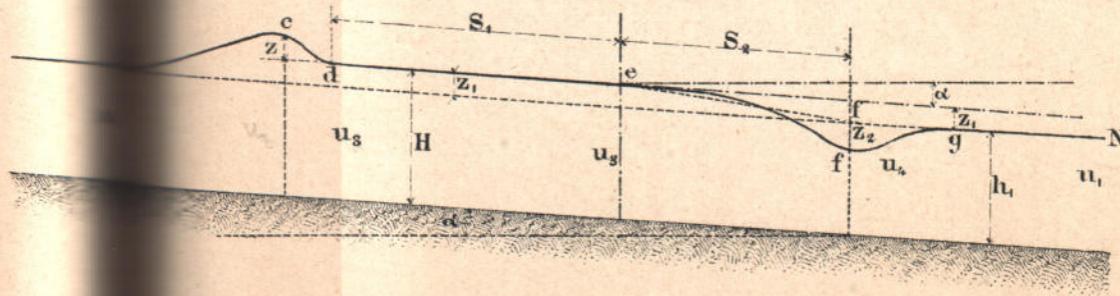
Черт. 8а. Планъ



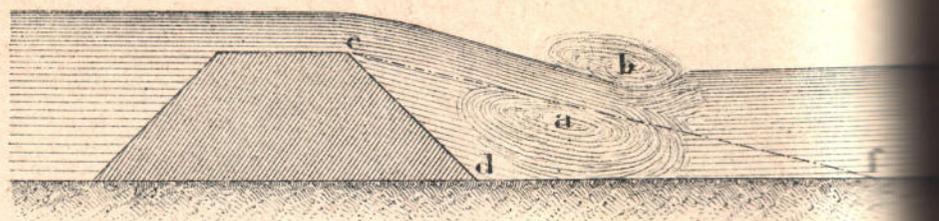
Черт. 8в. Поперечная профиль. по сба.



Черт. 8б. Продольная профиль по MN



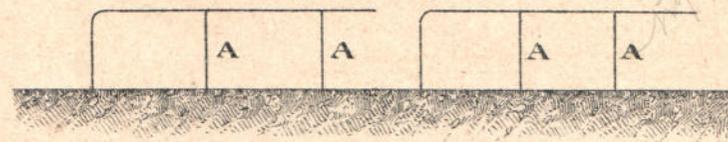
Черт. 1.



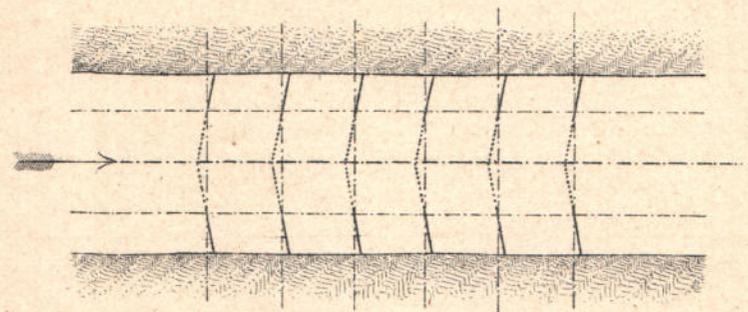
Черт. 2.



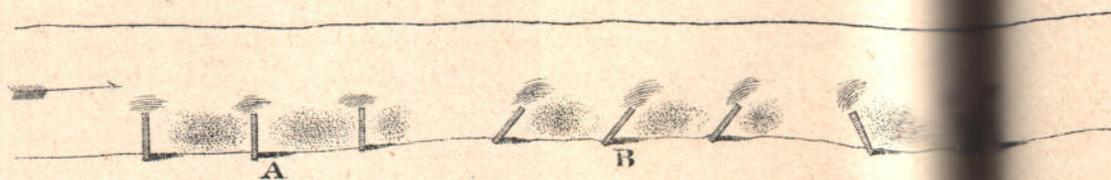
Черт. 3.



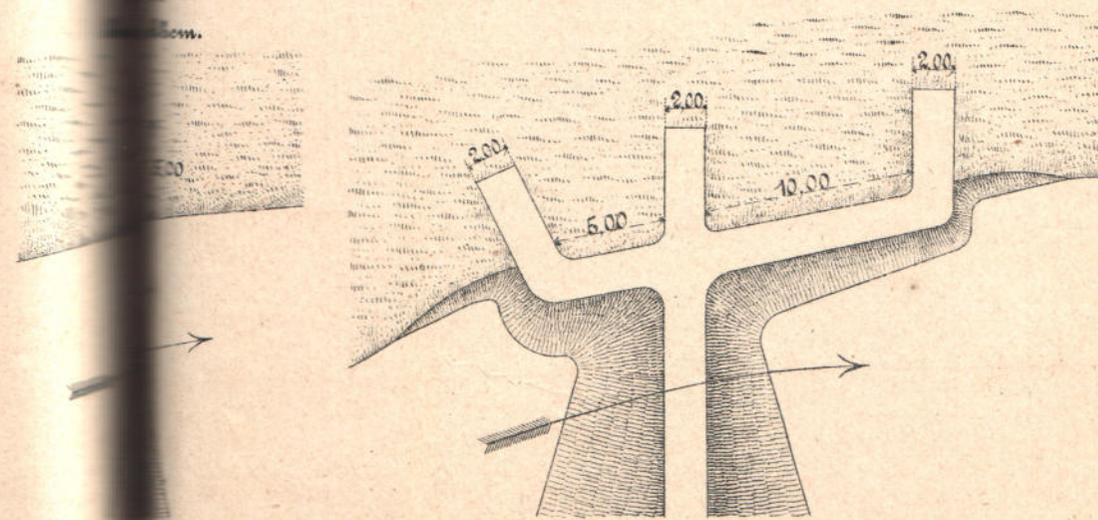
Черт. 5.



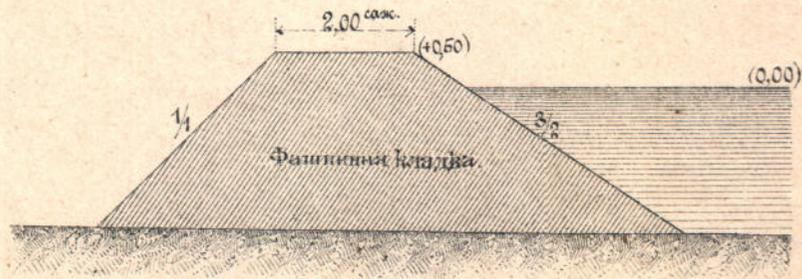
Черт. 4.



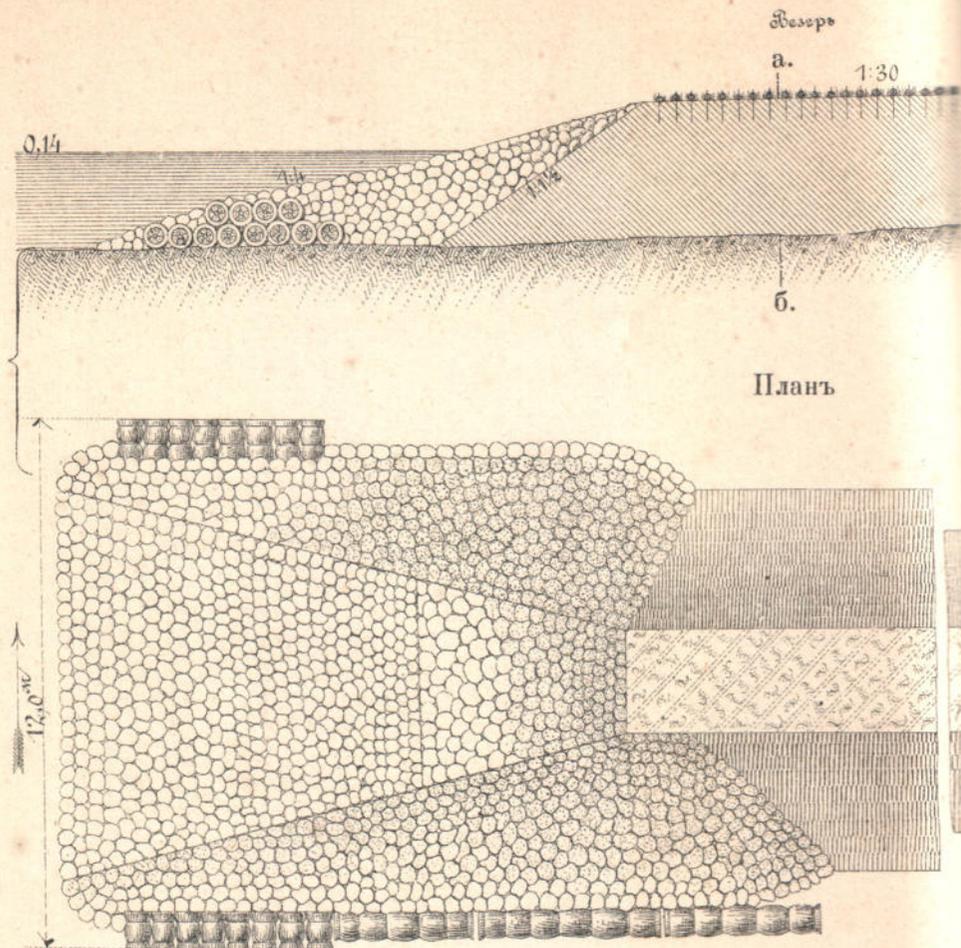
Черт. 8.



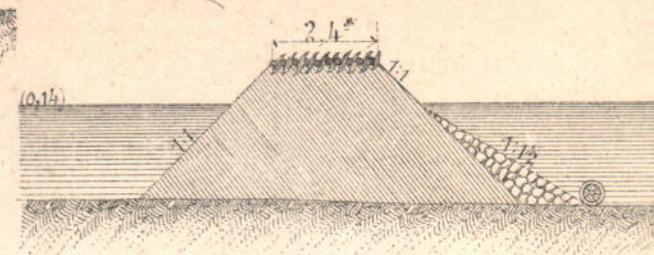
Черт. 6.



Черт. 1. Продольный разръзъ

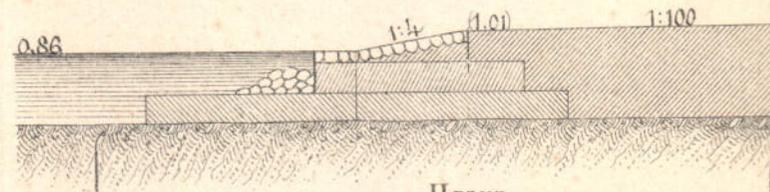


Разръзъ по а б.

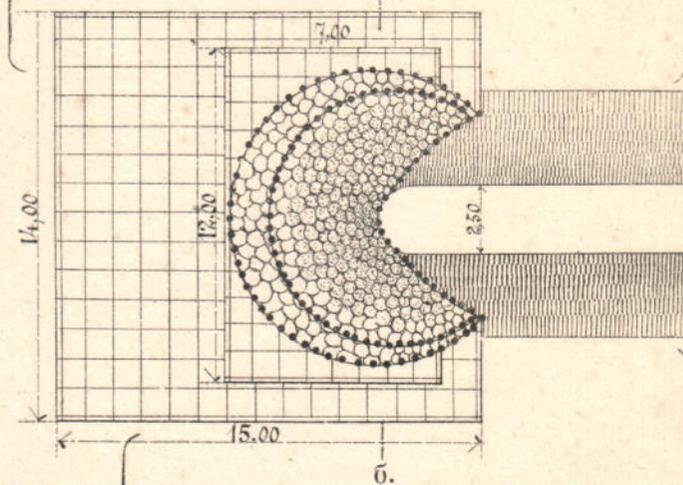


Черт. 4. Продольный разръзъ.

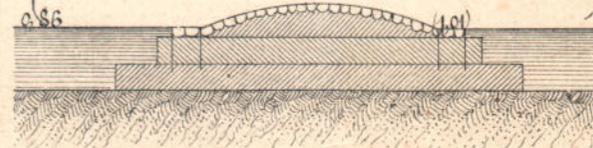
Одеръ



Планъ

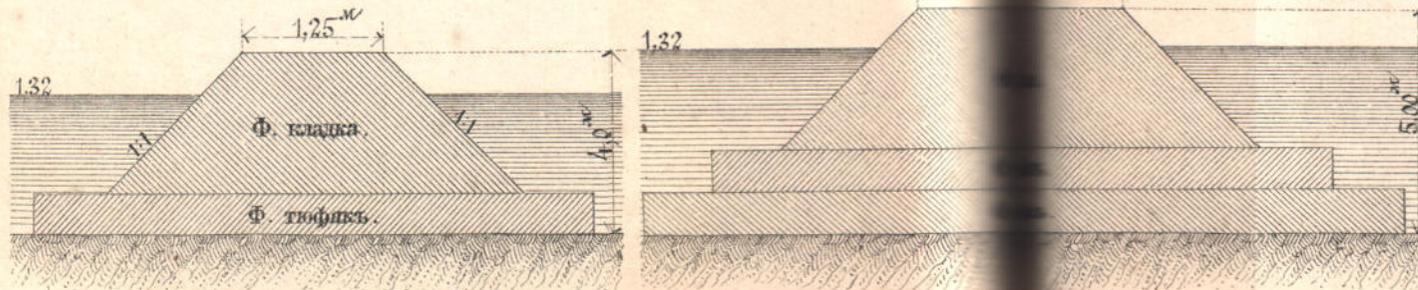


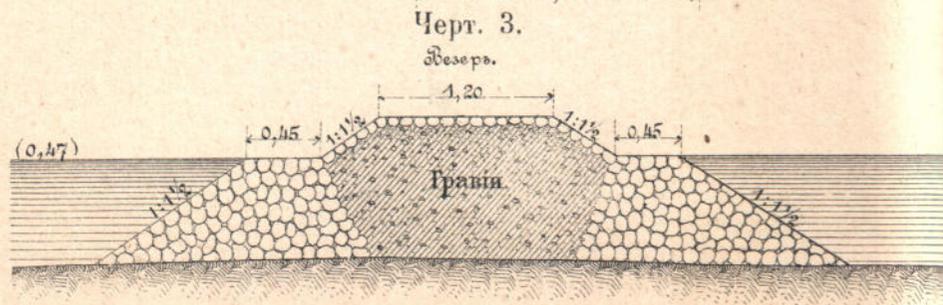
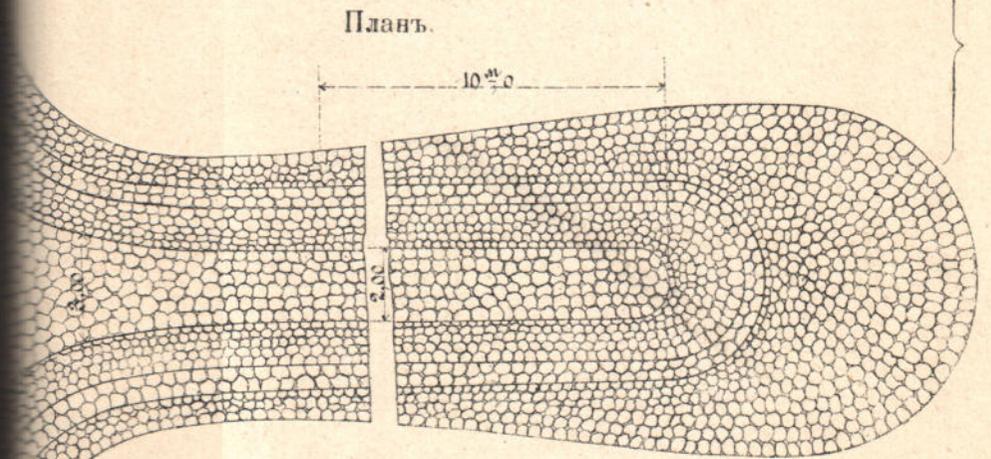
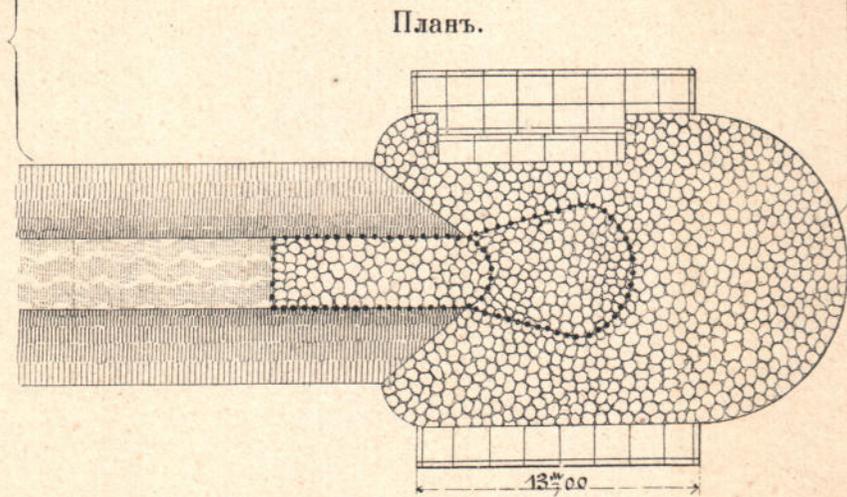
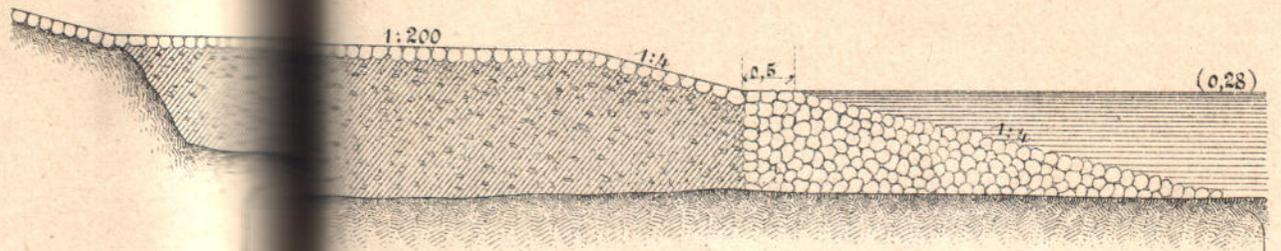
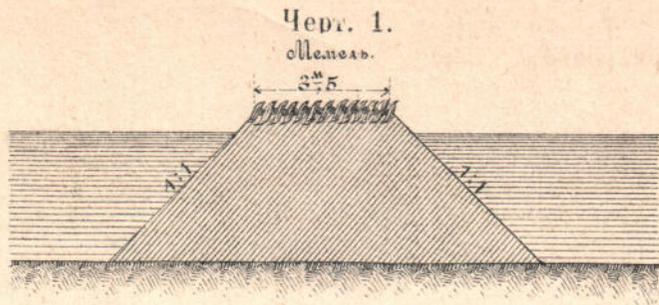
Разръзъ по а б.



Черт. 2.

Одеръ

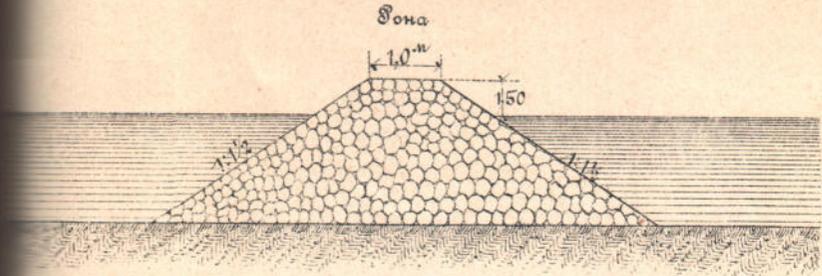




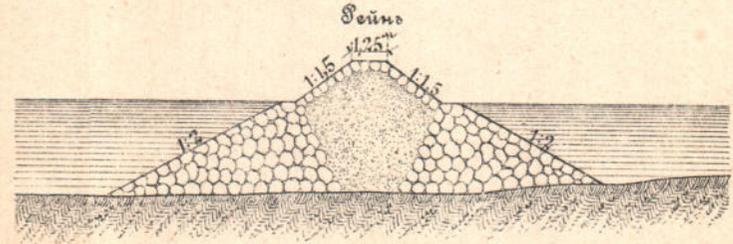
Черт. 1.
Дукск. Австр. Двигла



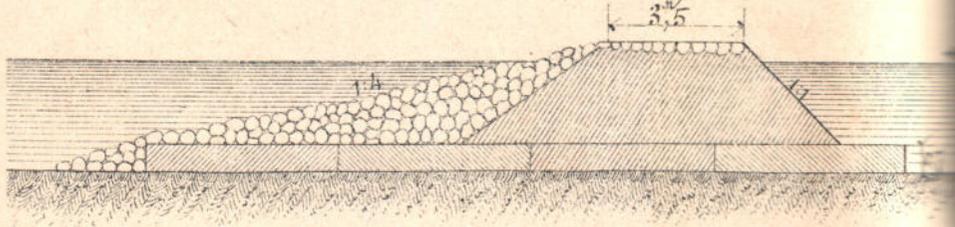
Черт. 2.



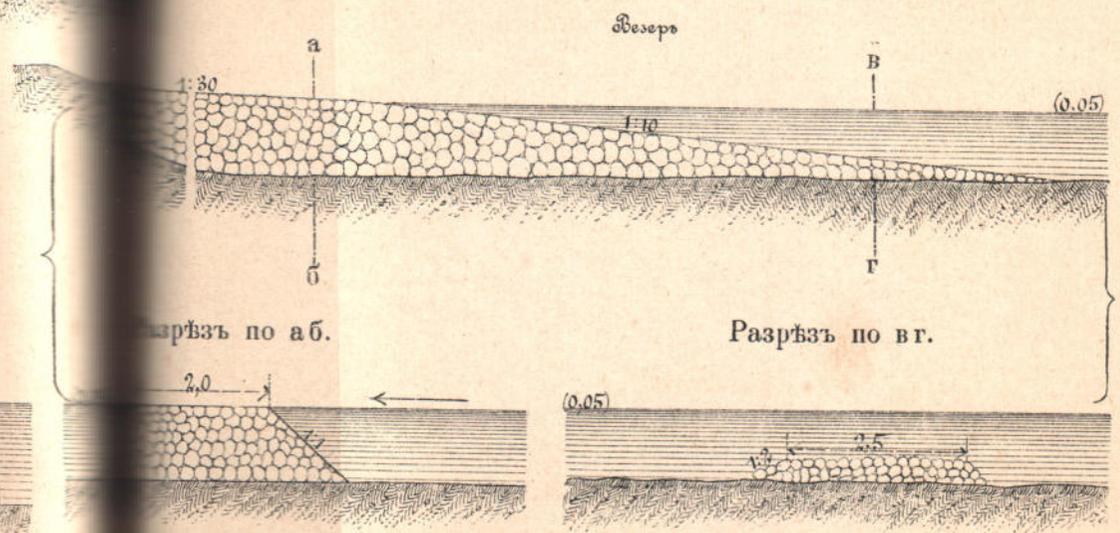
Черт. 3.



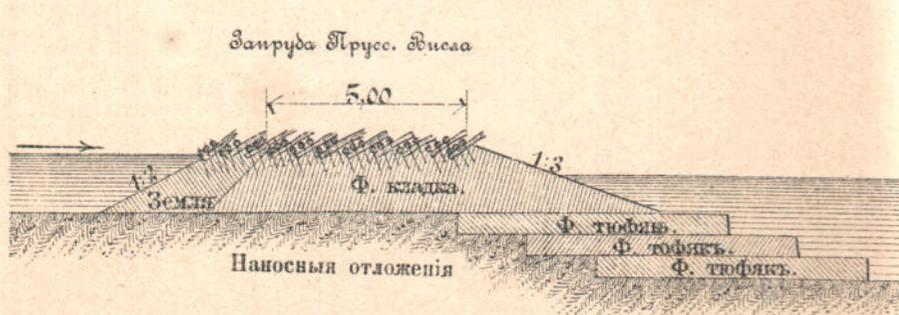
Черт. 5.
Запруда Мемель



Черт. 6.

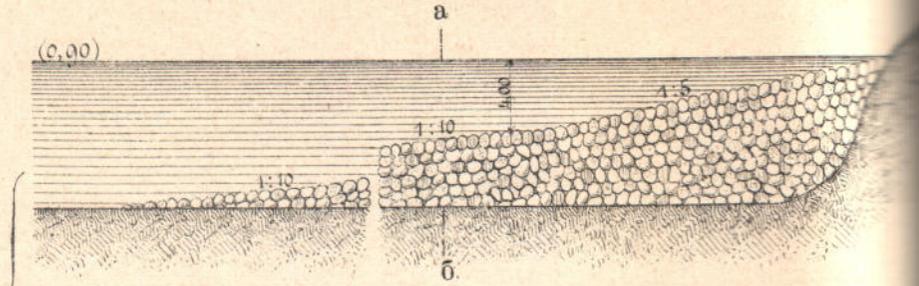


Черт. 4.

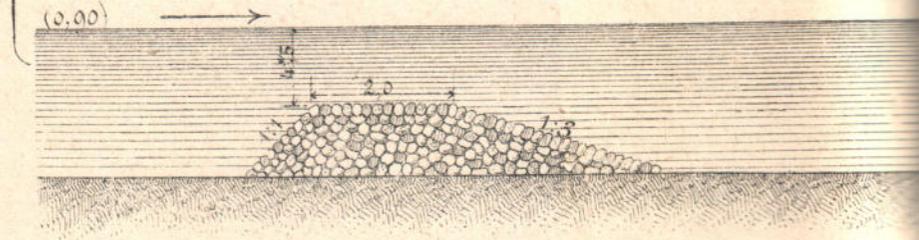


Черт. 1. Рейнъ.

Черт. 2. Рона.

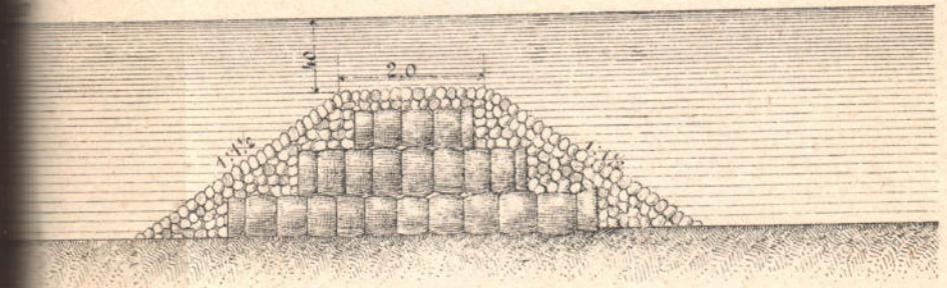
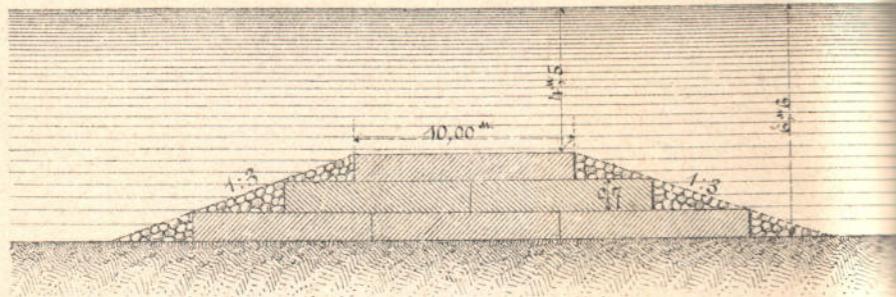


Разрѣзь по а б.



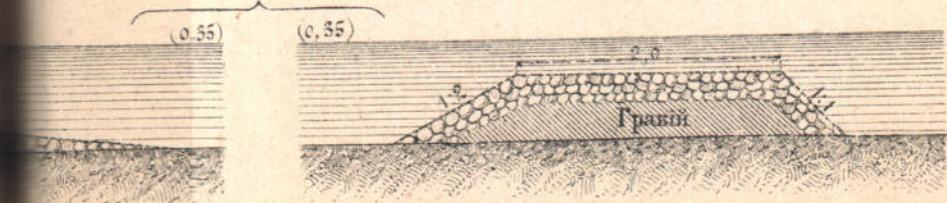
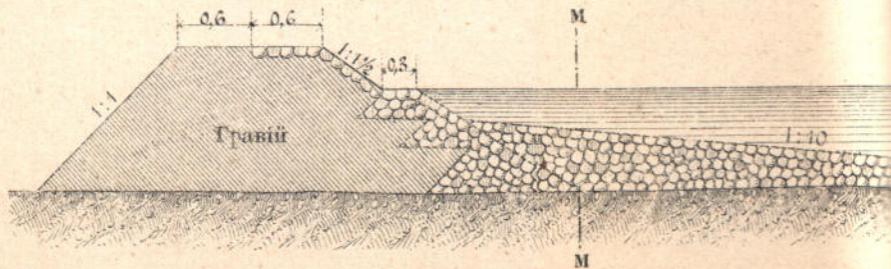
Черт. 4. Мемель

Черт. 5. Рейнъ.

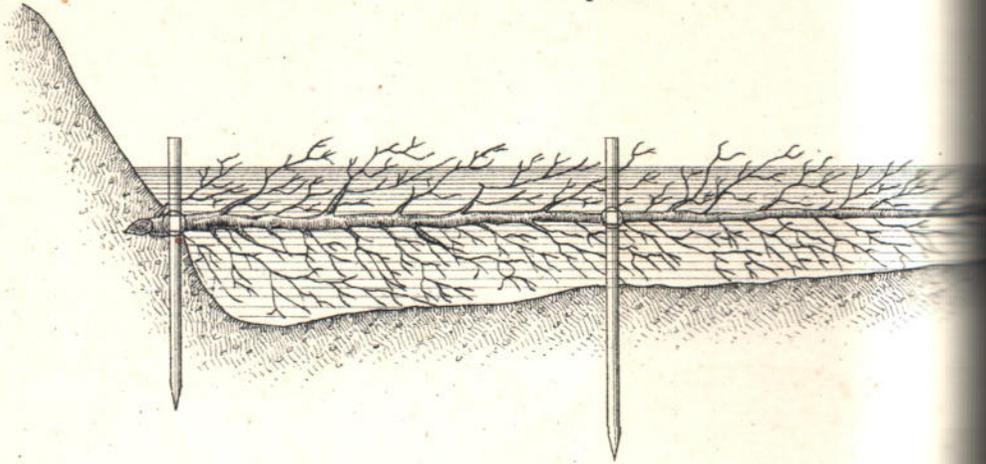


Черт. 3. Везеръ.

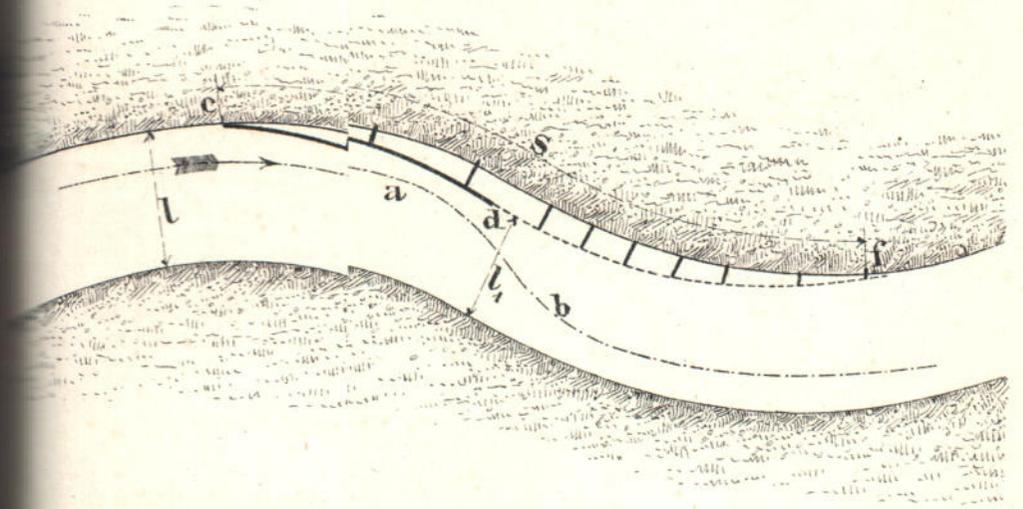
Разрѣзь по м м.



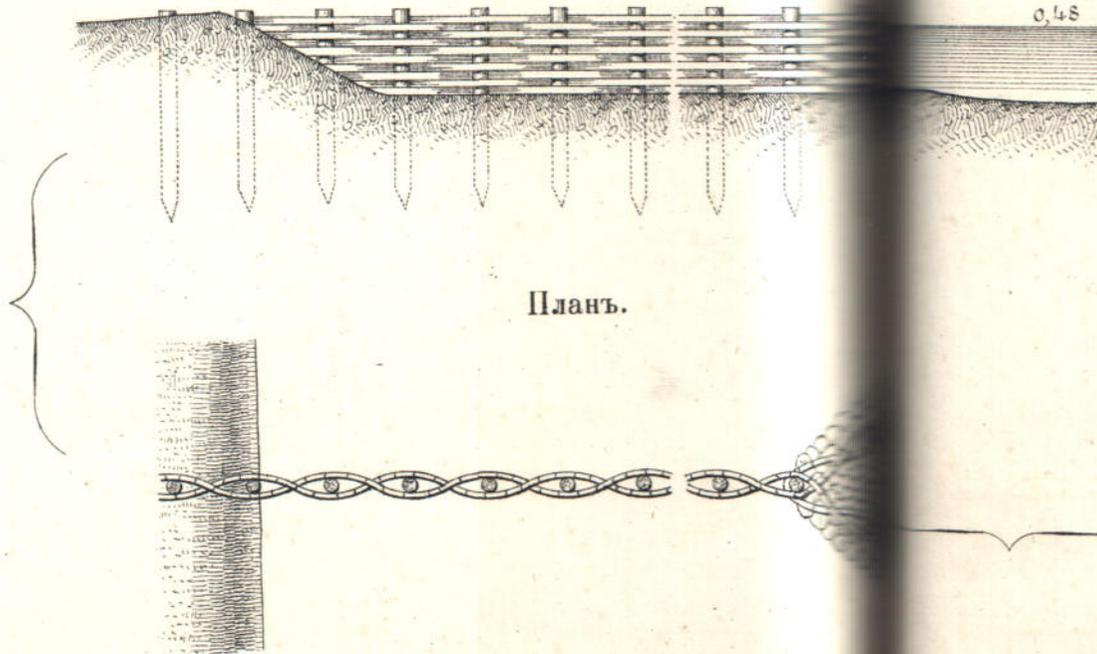
Черт. 1.



Черт. 3.



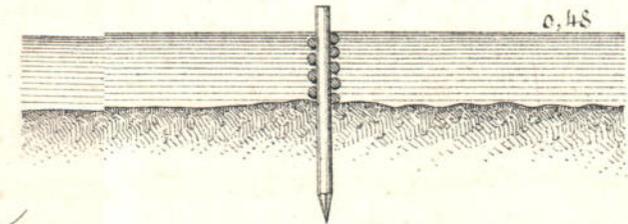
Черт. 2. Фасадъ.



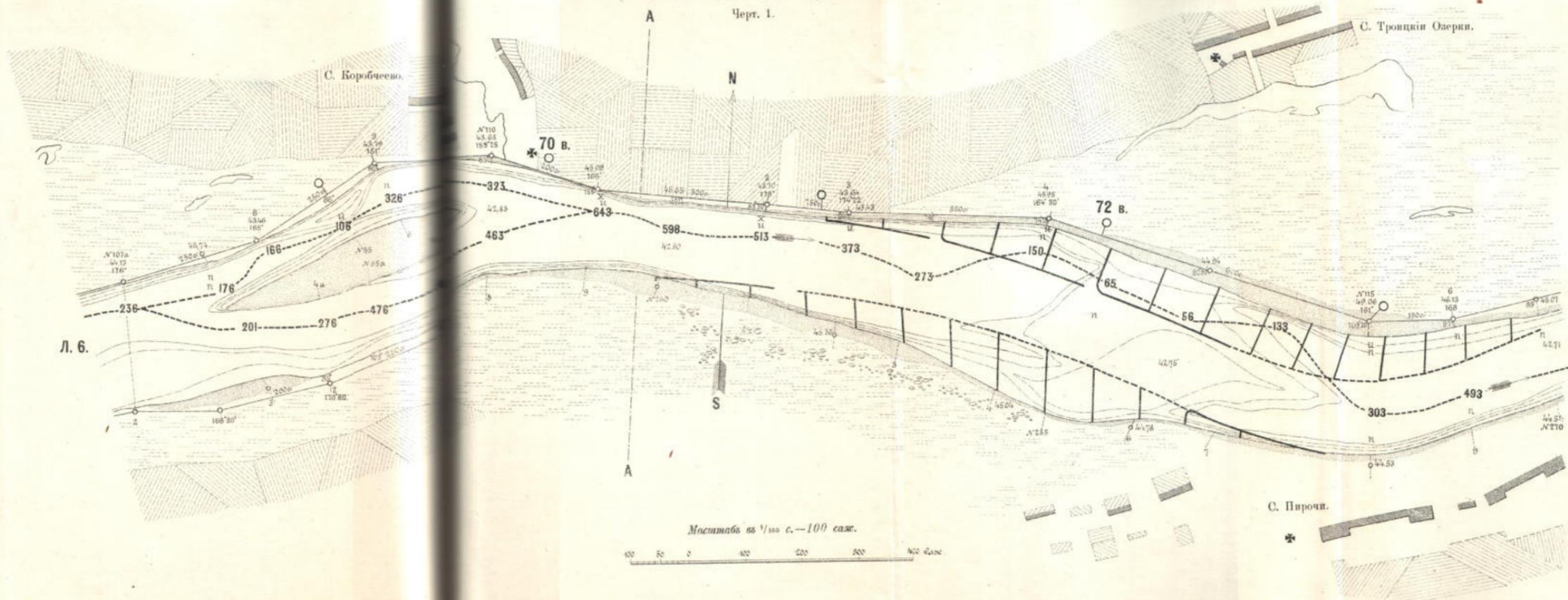
Планъ.

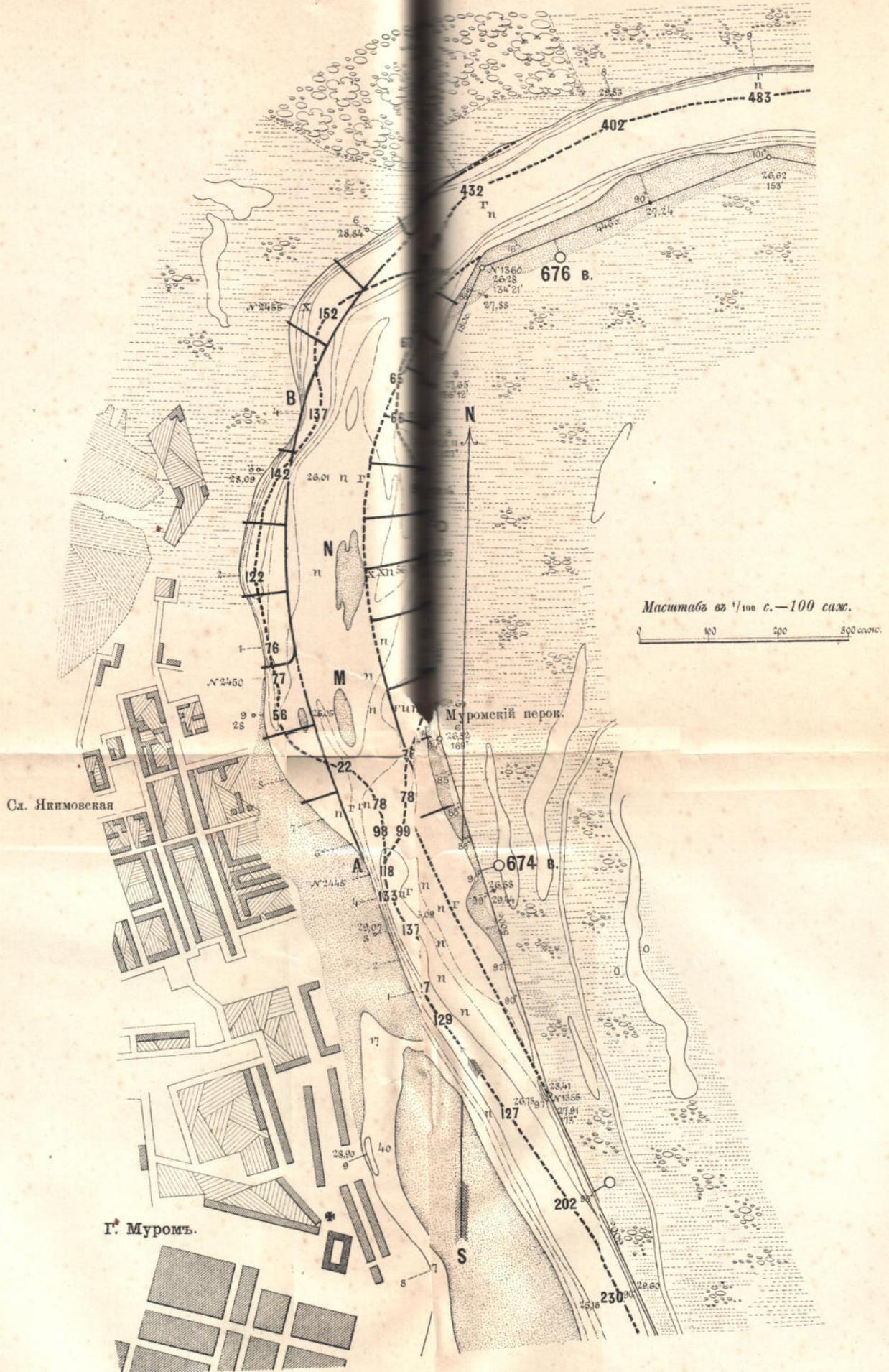
с, 48

Поперечный разрѣзъ.



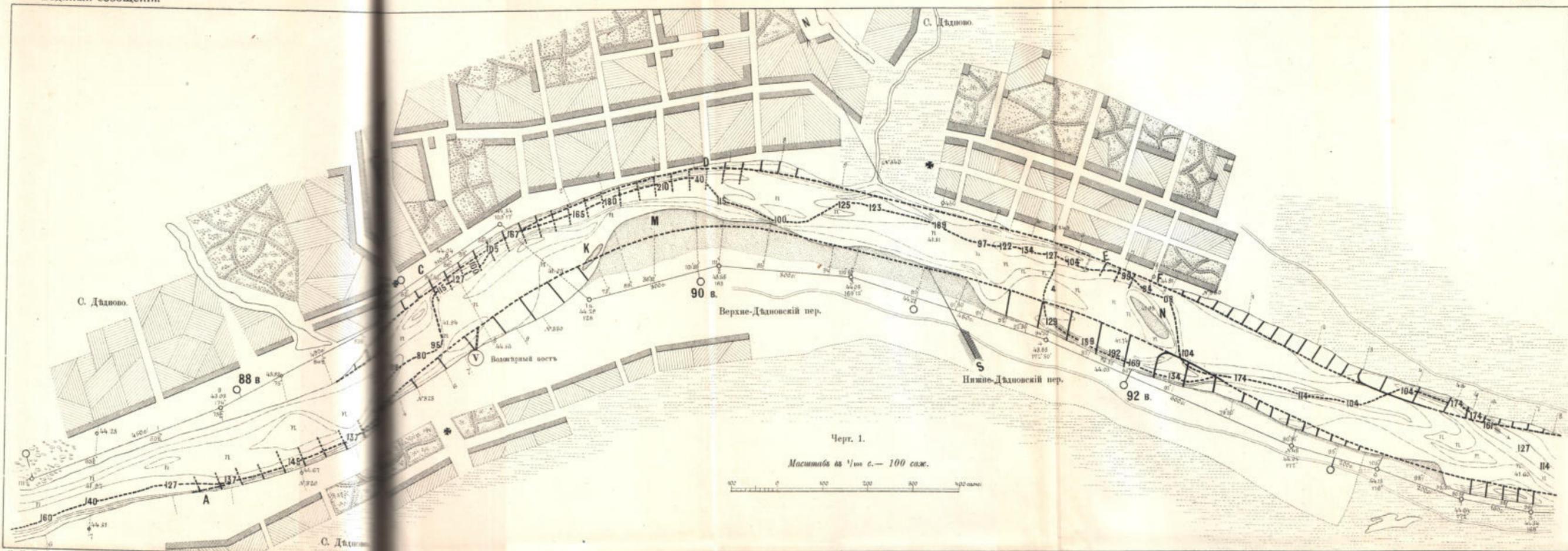
с, 48



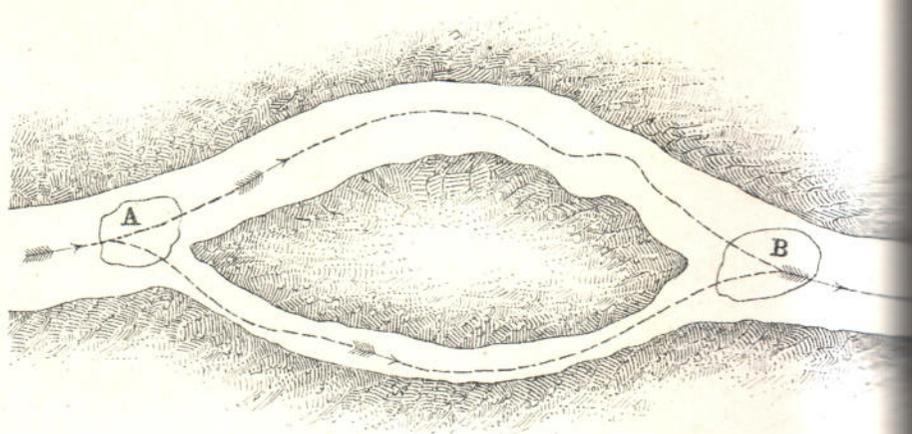


Масштабъ $\frac{1}{100000}$ с. — 100 саж.

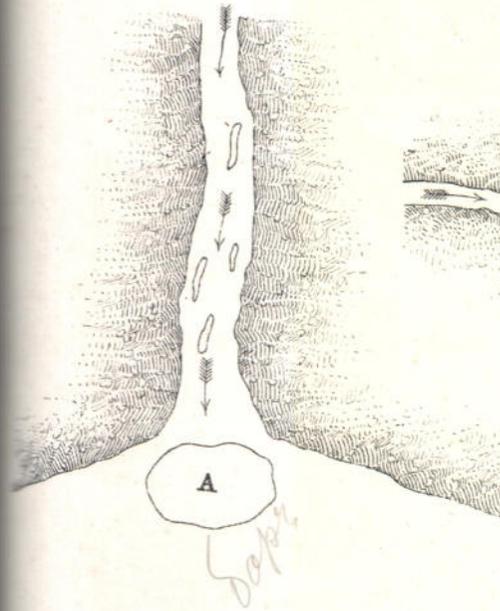
0 100 200 300 саж.



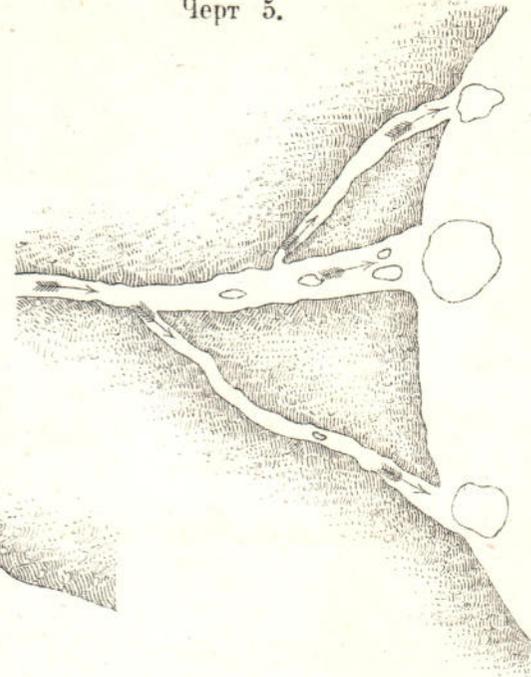
Черт. 1.



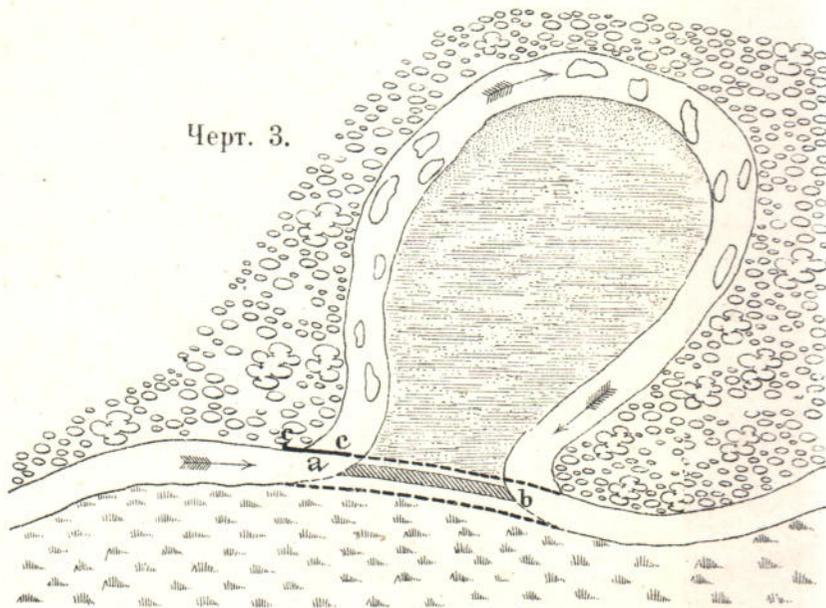
Черт. 4.



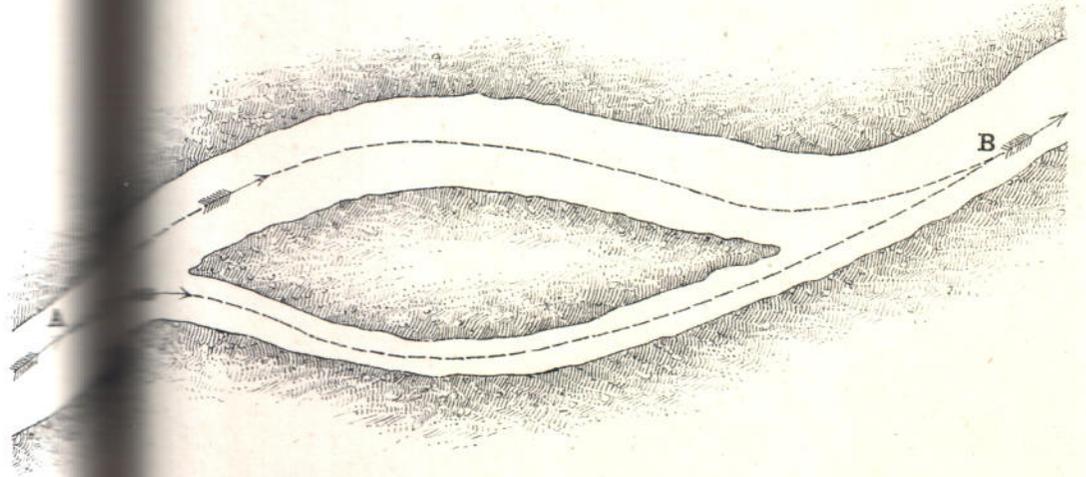
Черт 5.

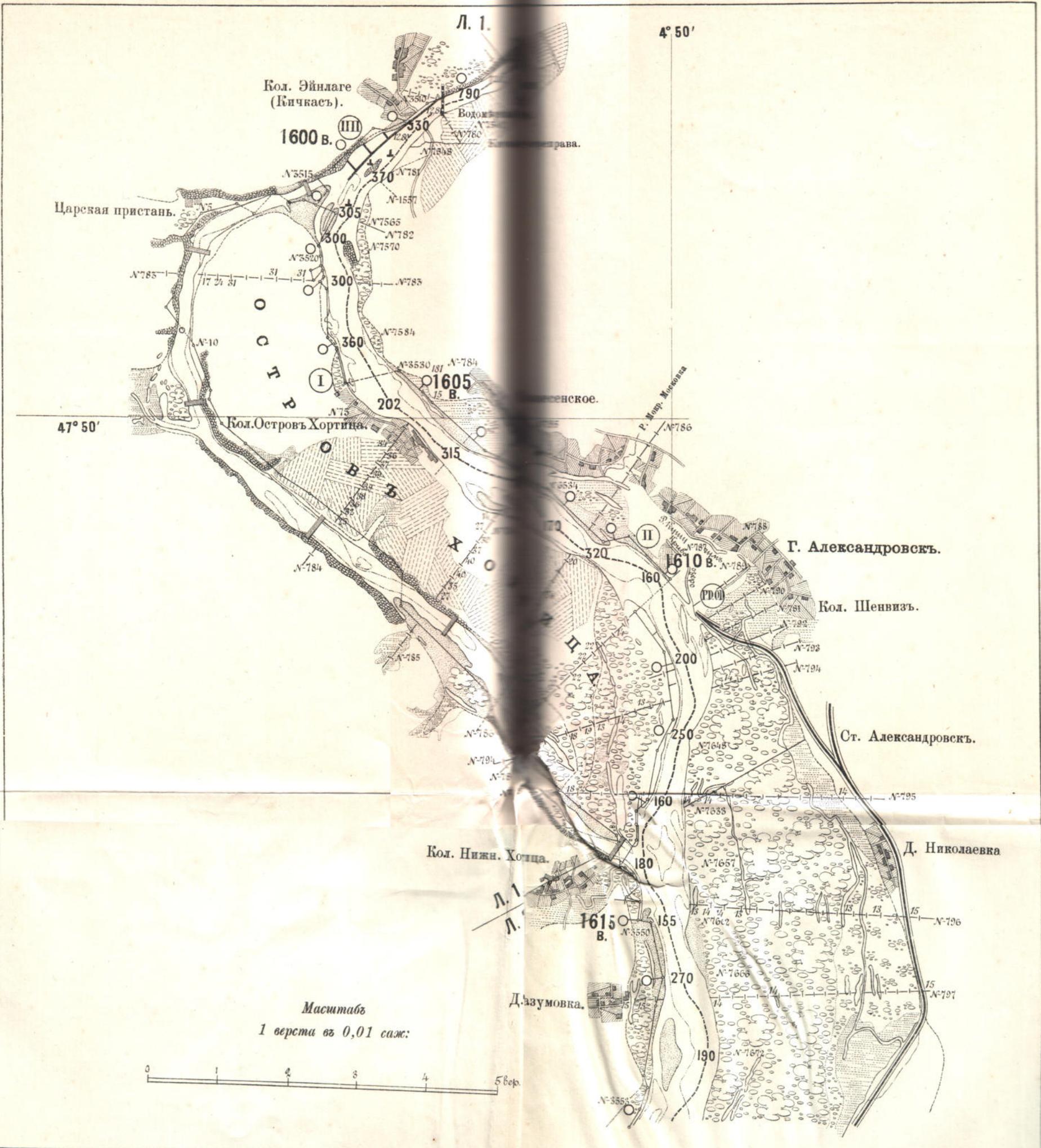


Черт. 3.

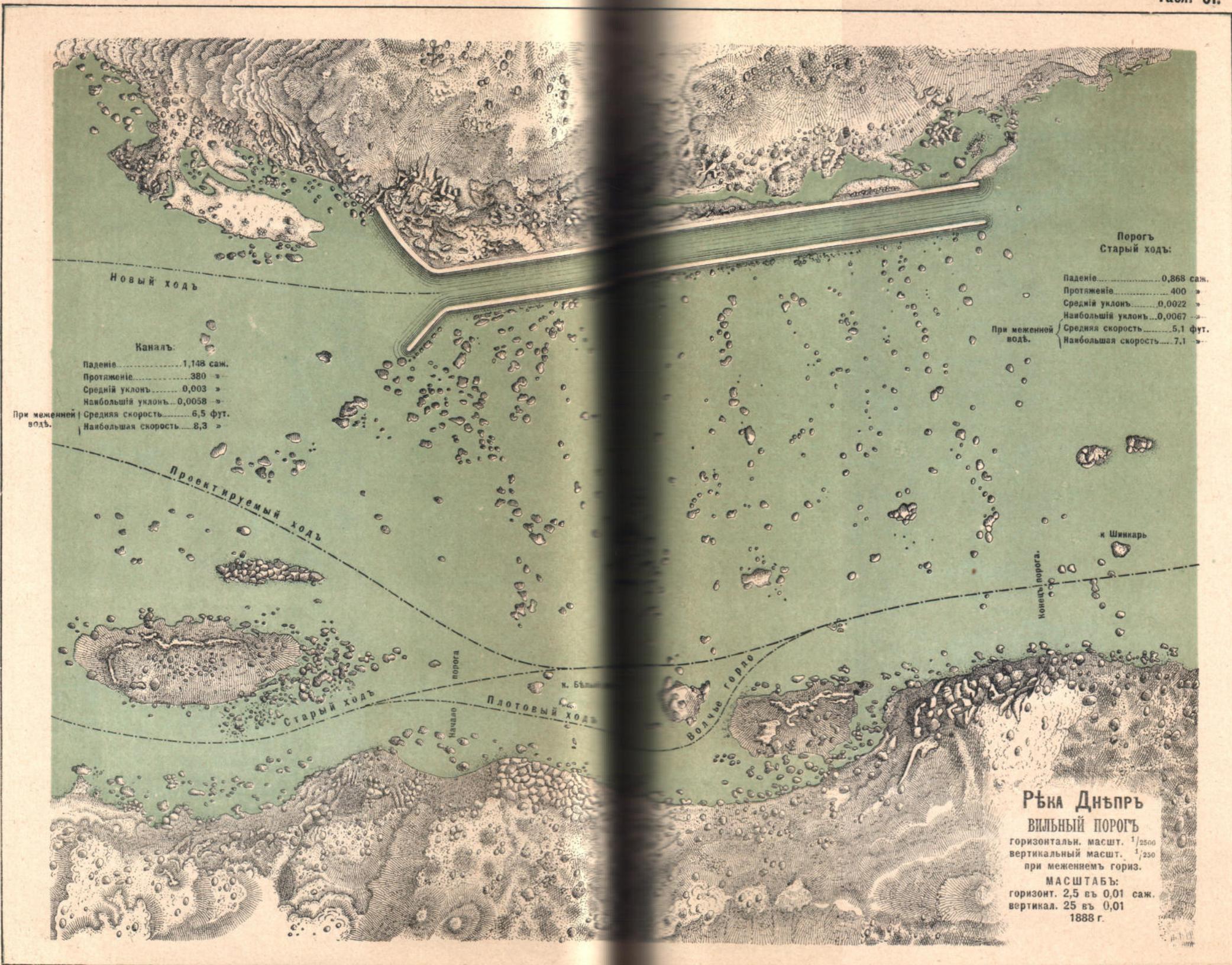


Черт. 2.







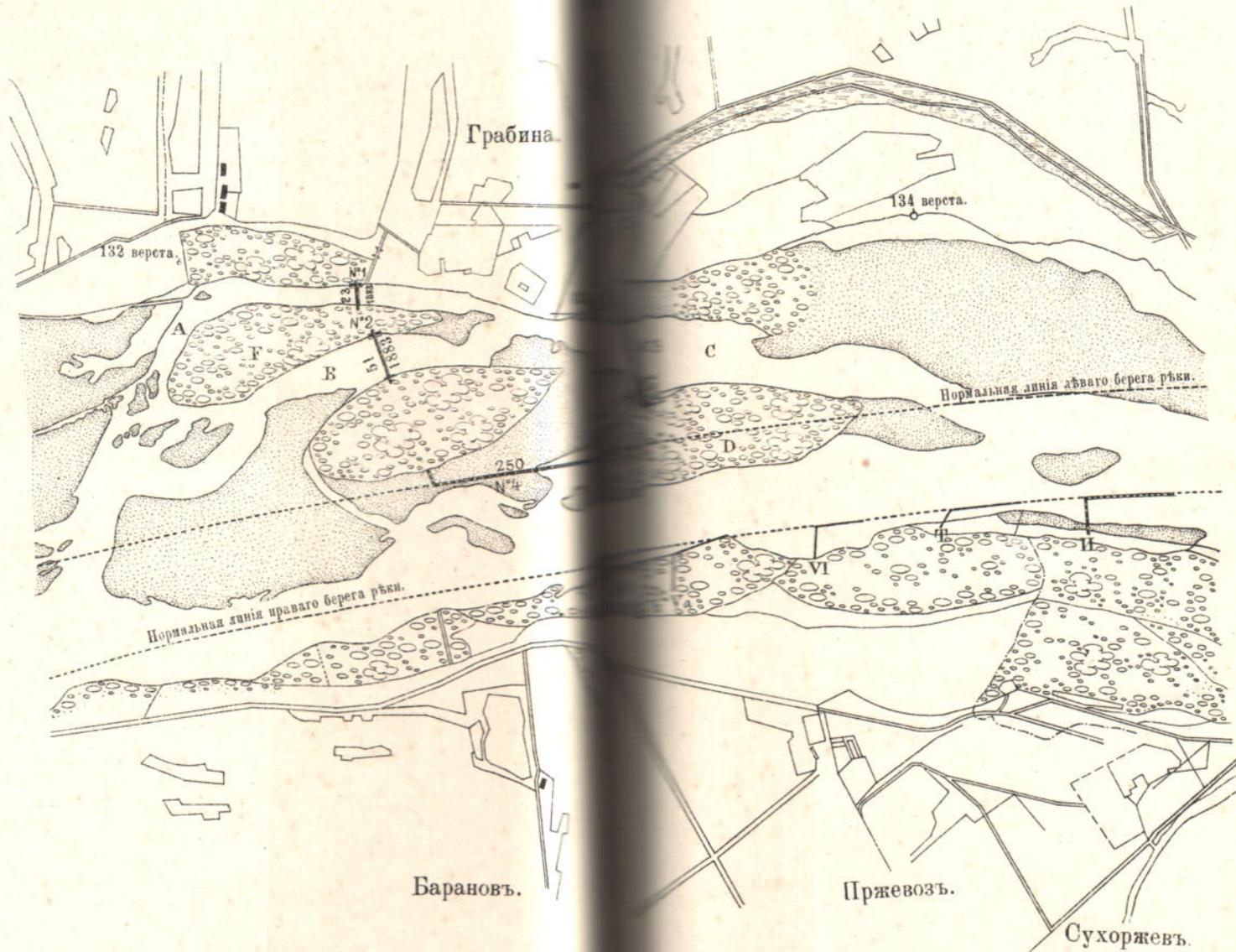


Каналь:
 Паденіе.....1,148 саж.
 Протяженіе.....380 »
 Средній уклонъ.....0,003 »
 Наибольшій уклонъ.....0,0058 »
 При меженней | Средняя скорость.....6,5 фут.
 водъ. | Наибольшая скорость.....8,3 »

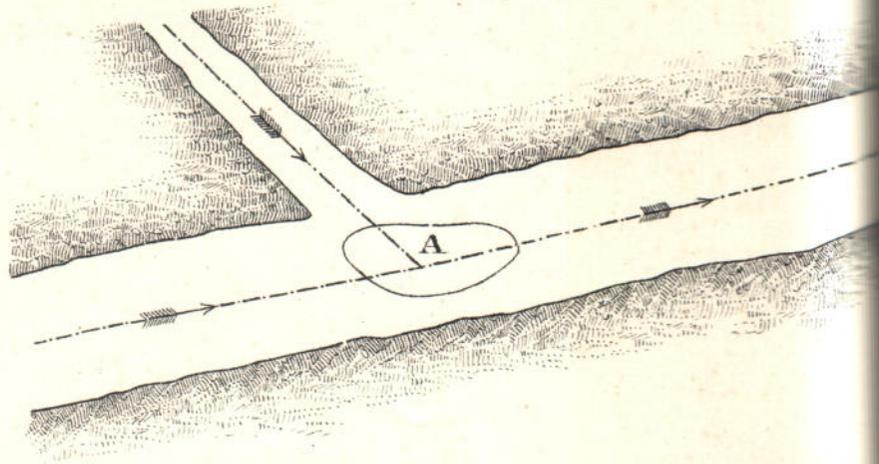
Порогъ
 Старый ходъ:
 Паденіе.....0,868 саж.
 Протяженіе.....400 »
 Средній уклонъ.....0,0022 »
 Наибольшій уклонъ.....0,0067 »
 При меженней | Средняя скорость.....5,1 фут.
 водъ. | Наибольшая скорость.....7,1 »

Рѣка Днѣпръ
Вильный Порогъ
 горизонтальн. масшт. $\frac{1}{2500}$
 вертикальный масшт. $\frac{1}{250}$
 при меженнемъ гориз.
МАСШТАБЪ:
 горизонт. 2,5 въ 0,01 саж.
 вертикал. 25 въ 0,01
 1888 г.

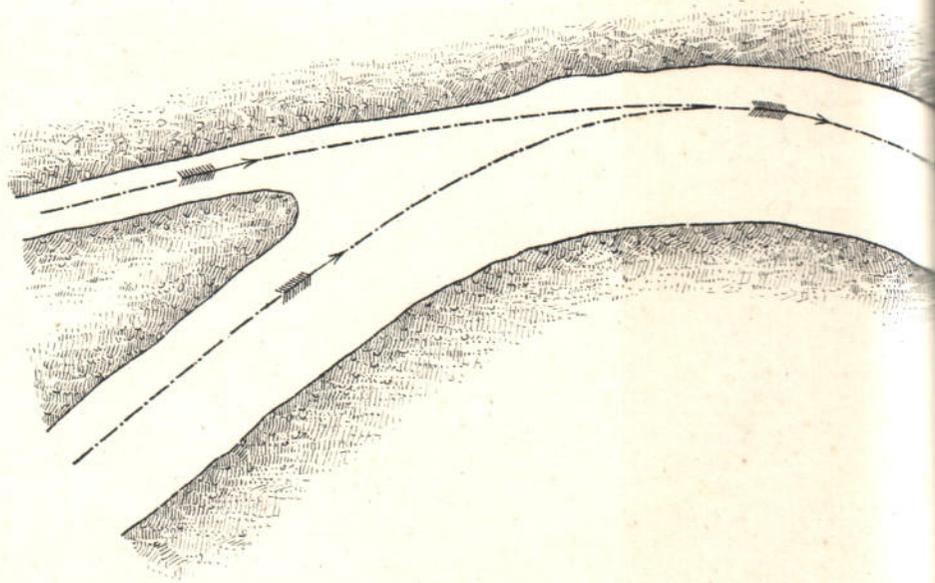
Планъ рѣки Грабина



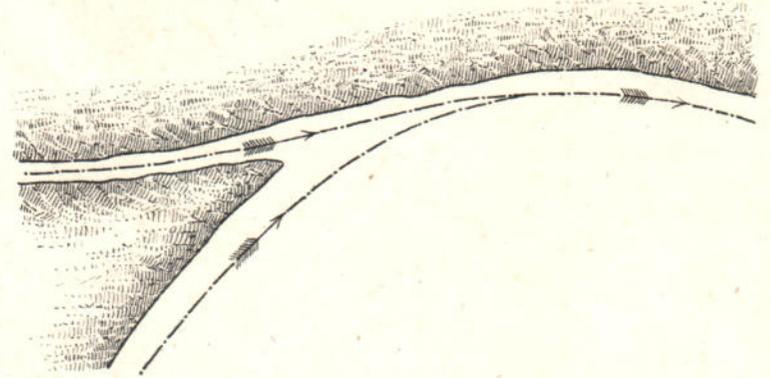
Черт. 1.



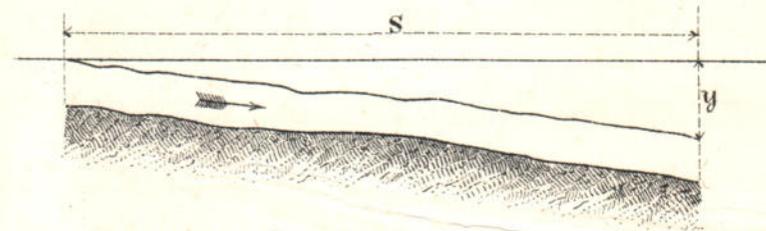
Черт. 3.



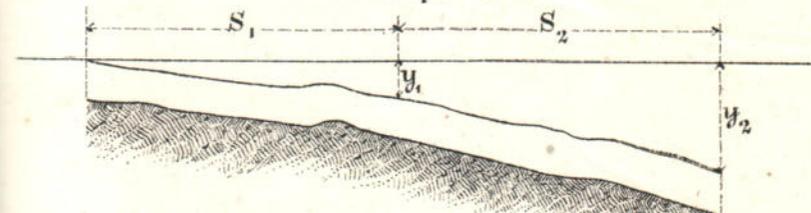
Черт. 2.



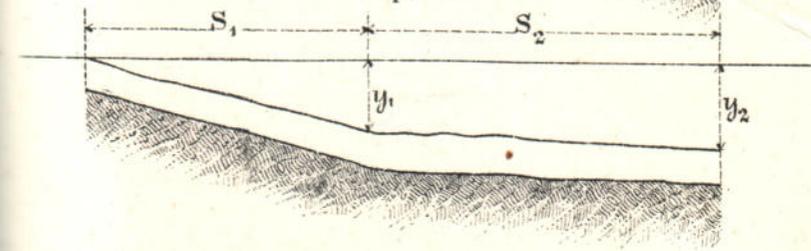
Черт. 4.



Черт. 5.

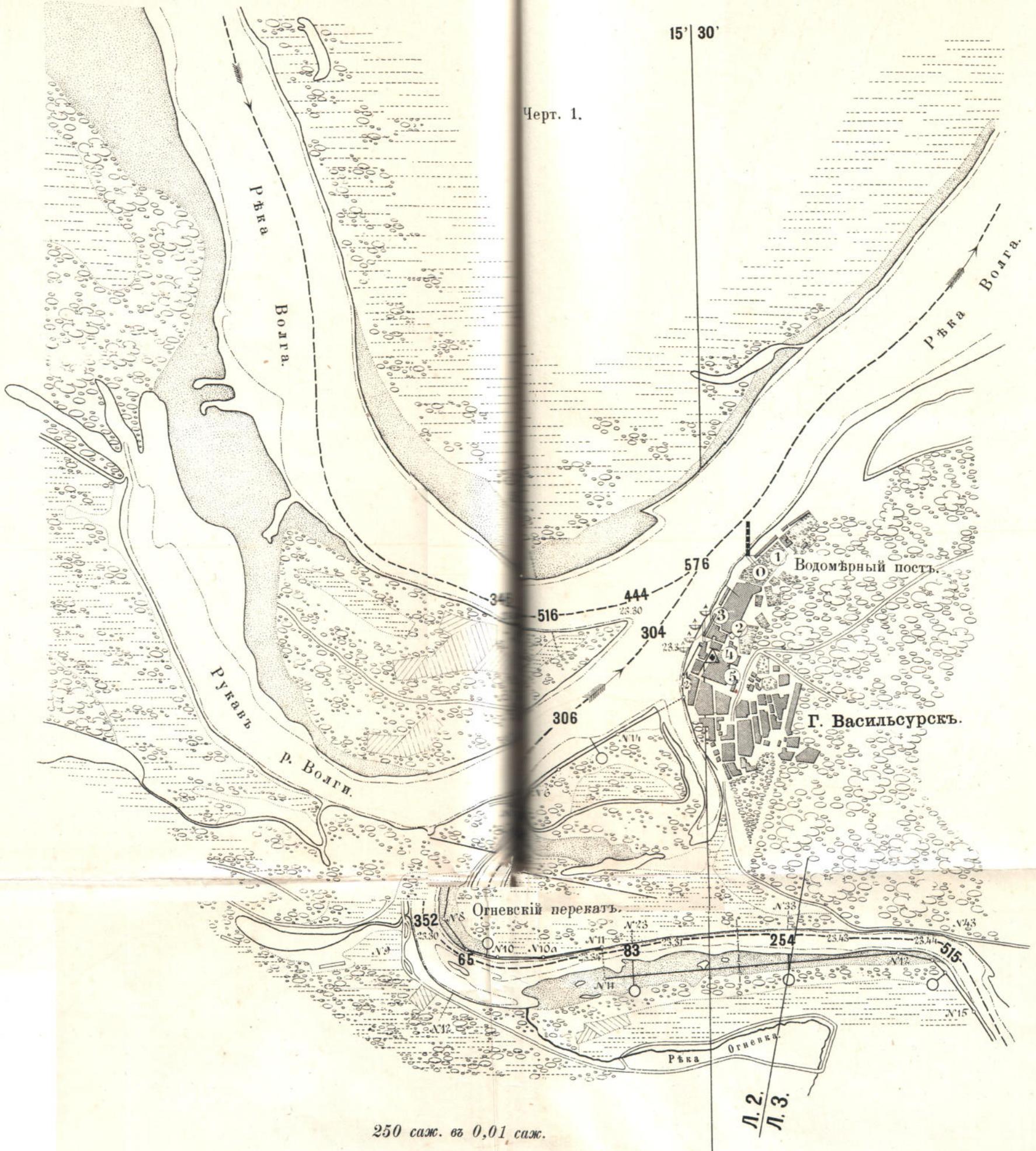


Черт. 6.



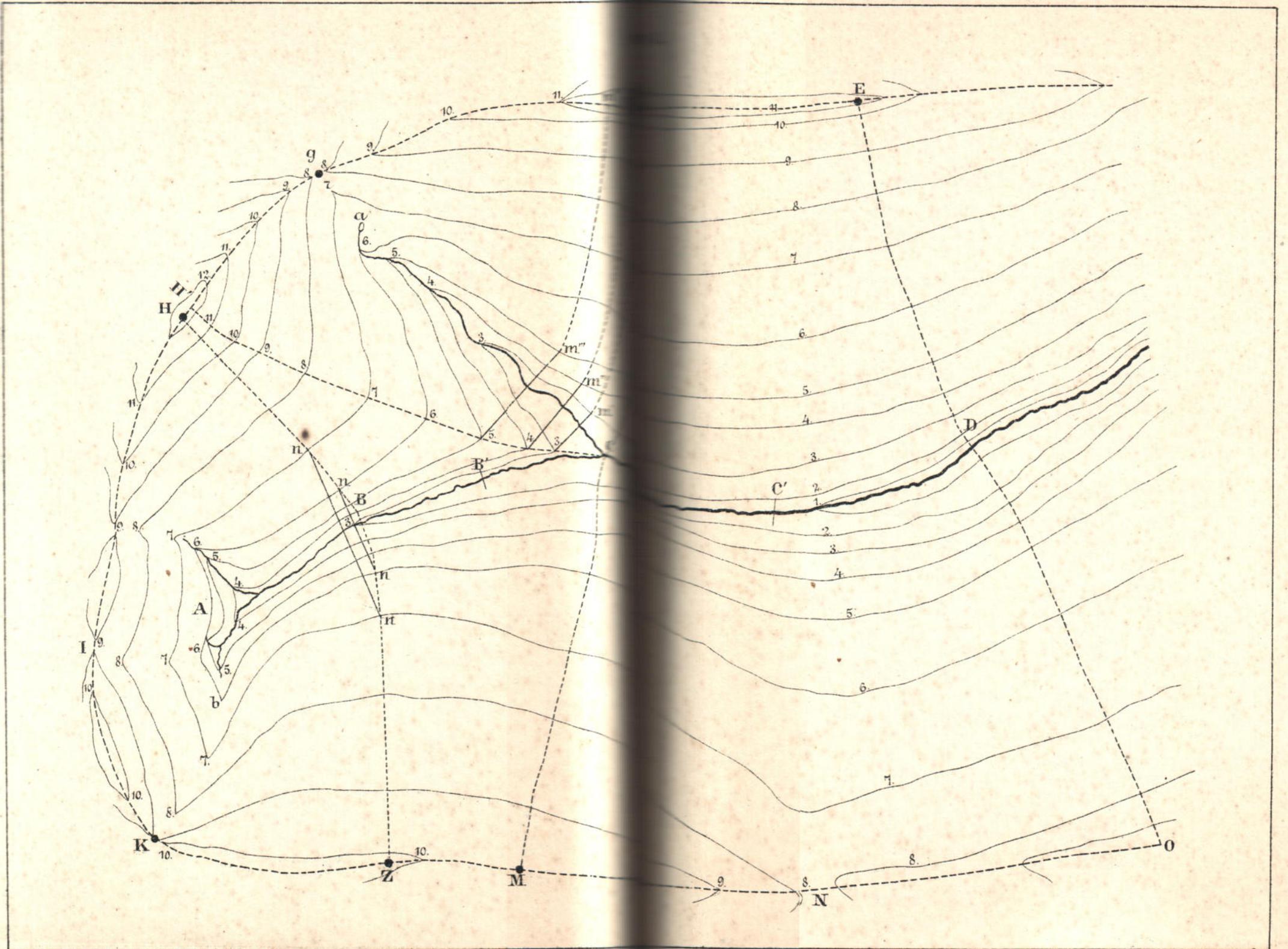
15' 30'

Черт. 1.

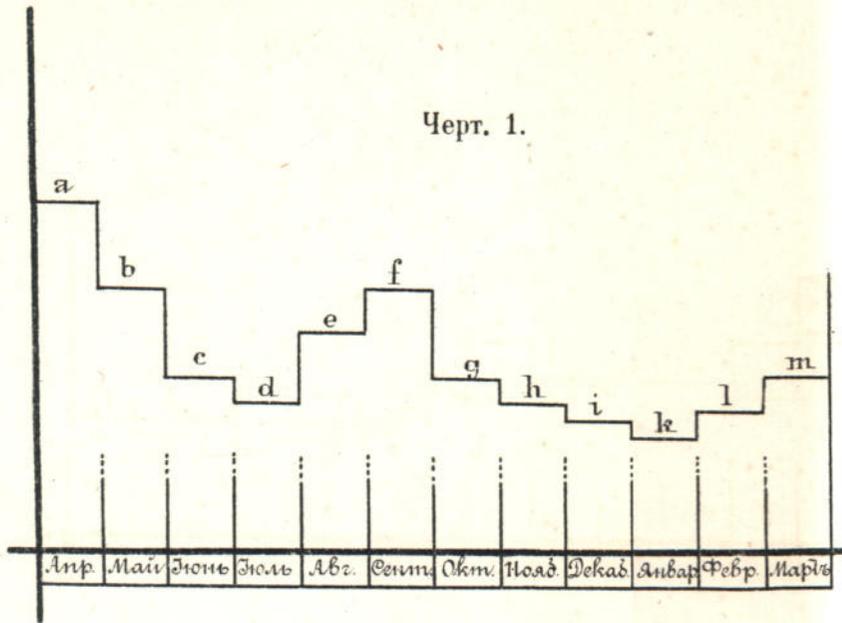


250 саж. въ 0,01 саж.

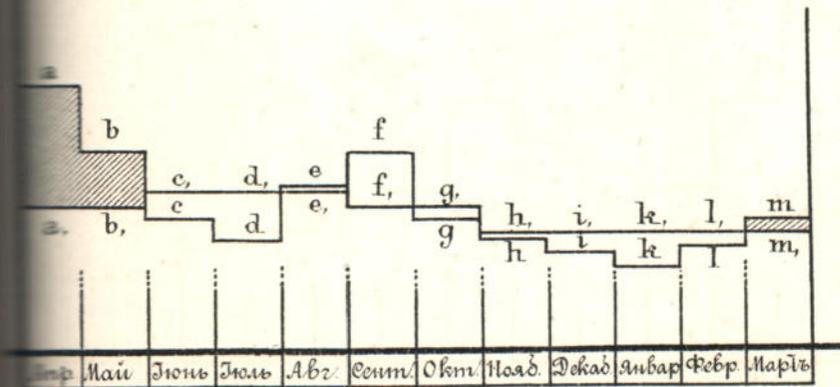
100 0 200 400 600 800 1000 саж.



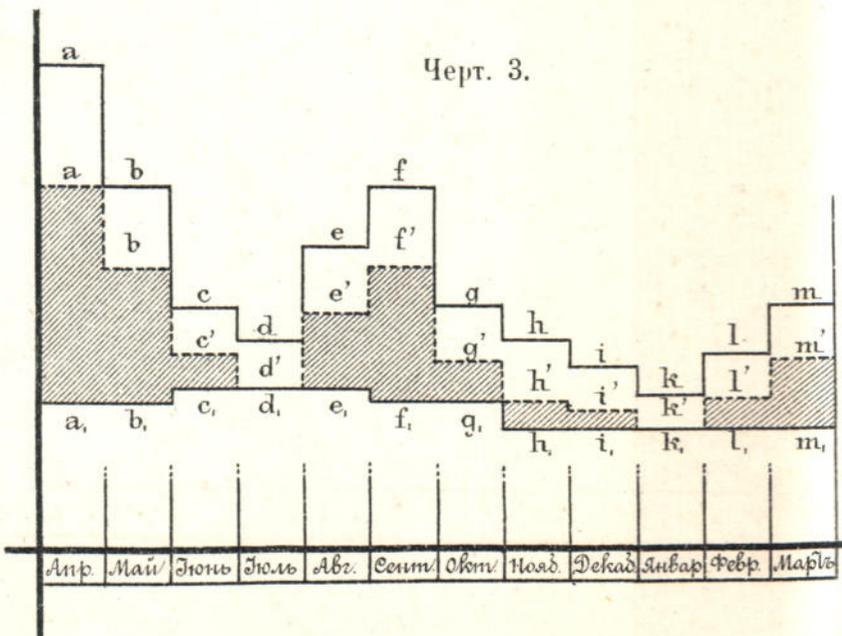
Черт. 1.



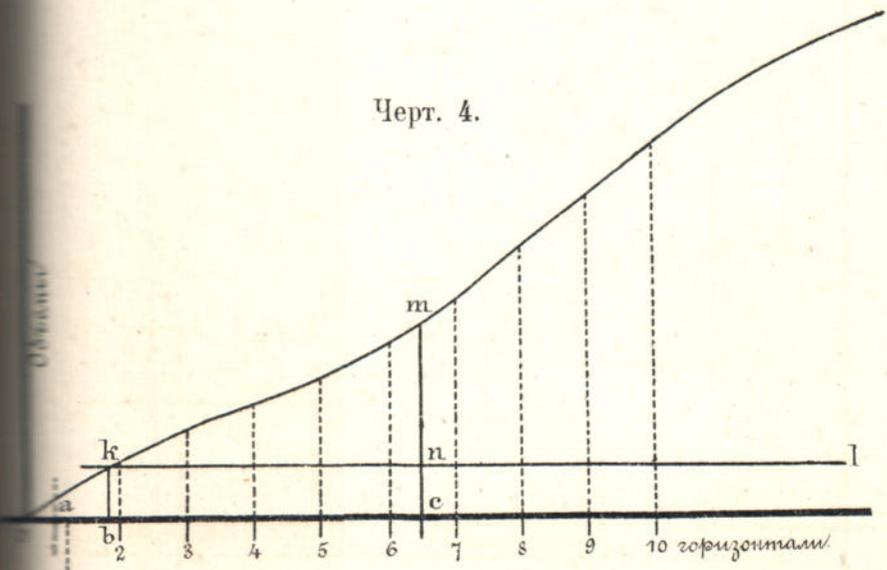
Черт. 2.



Черт. 3.

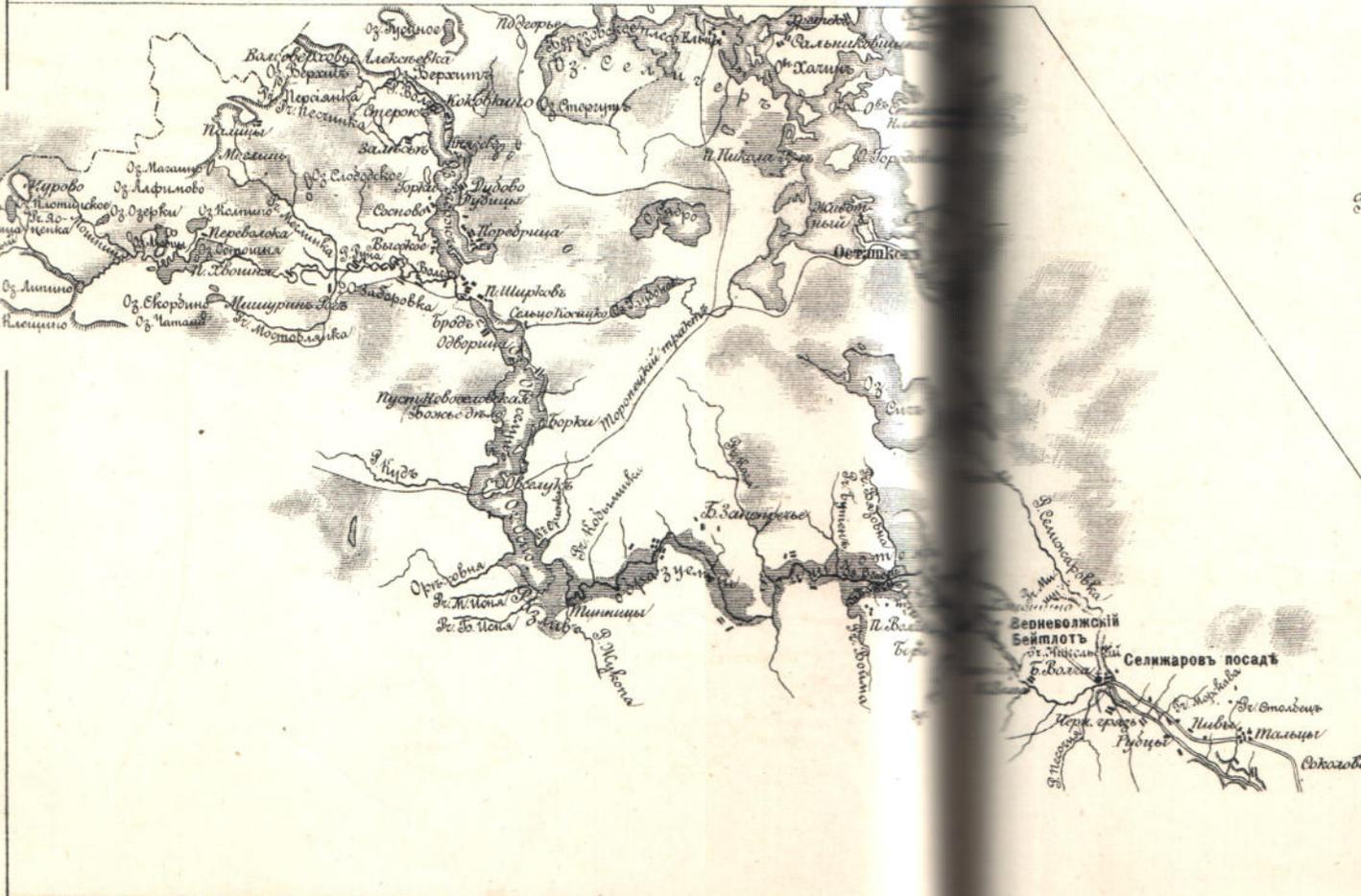


Черт. 4.

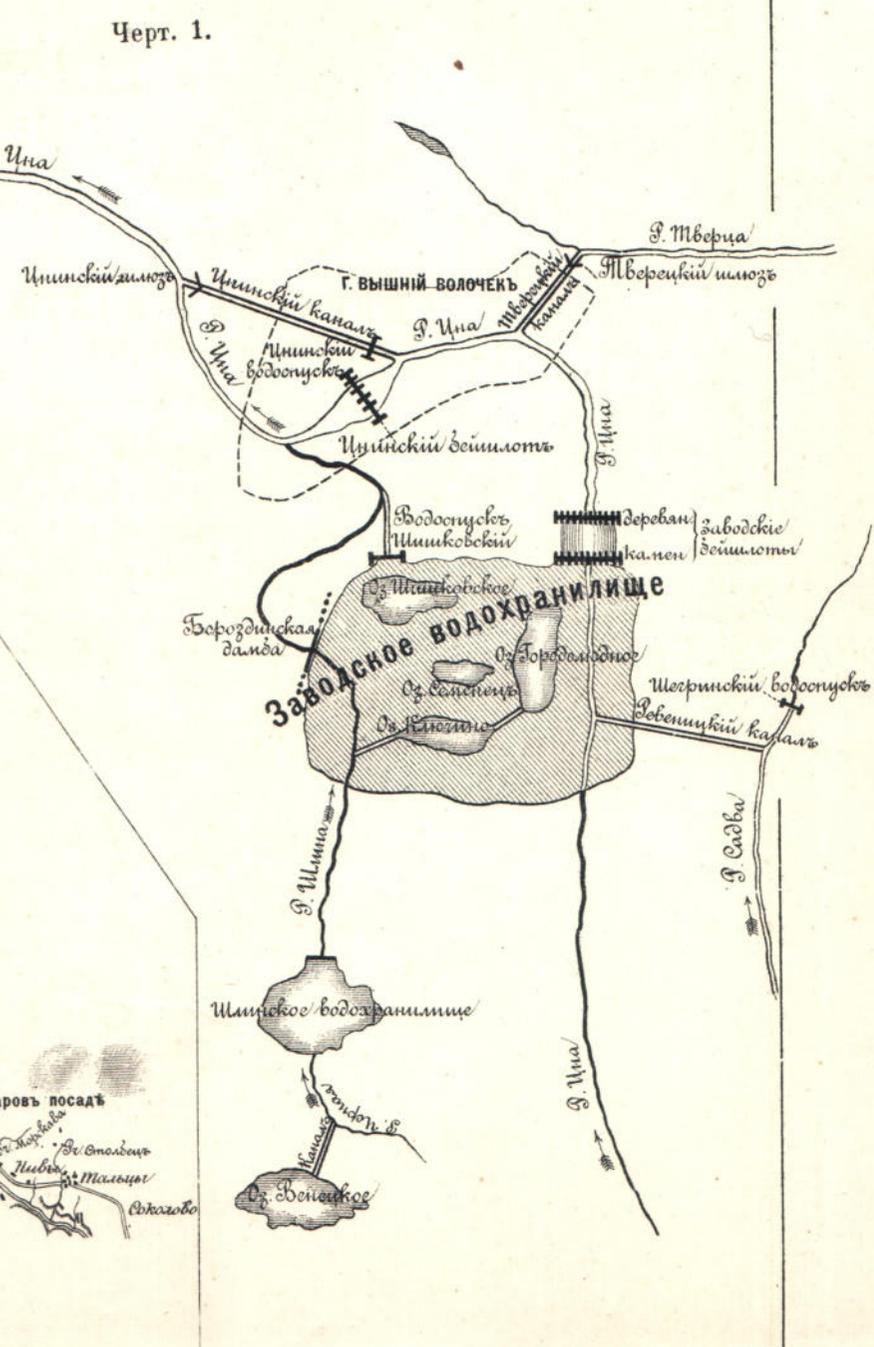


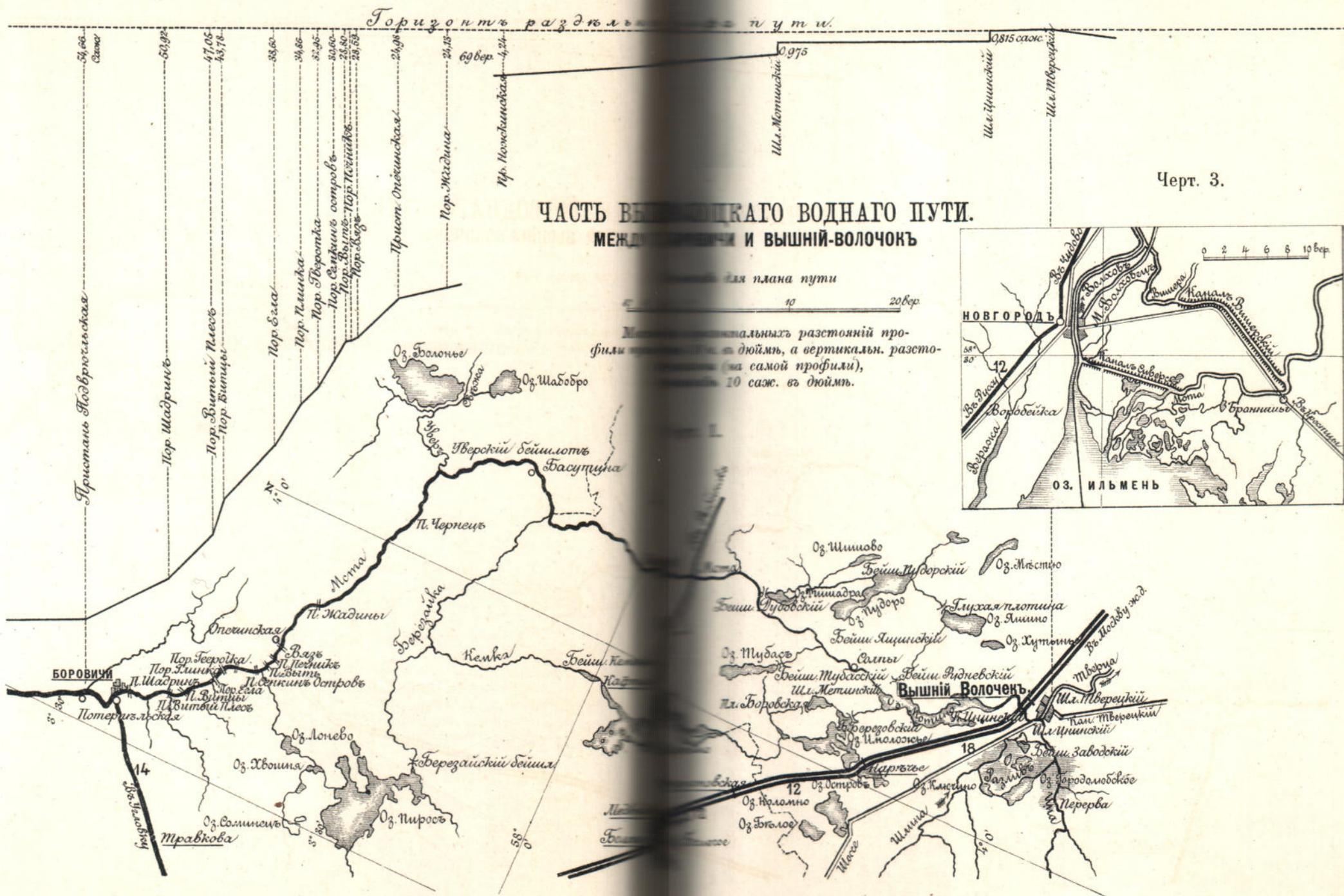
Черт. 2.
ВЕРХОВЬЯ ВОЛГИ.
Масштабъ 1:420.000.

1 2 3 4 5 10 20 в.

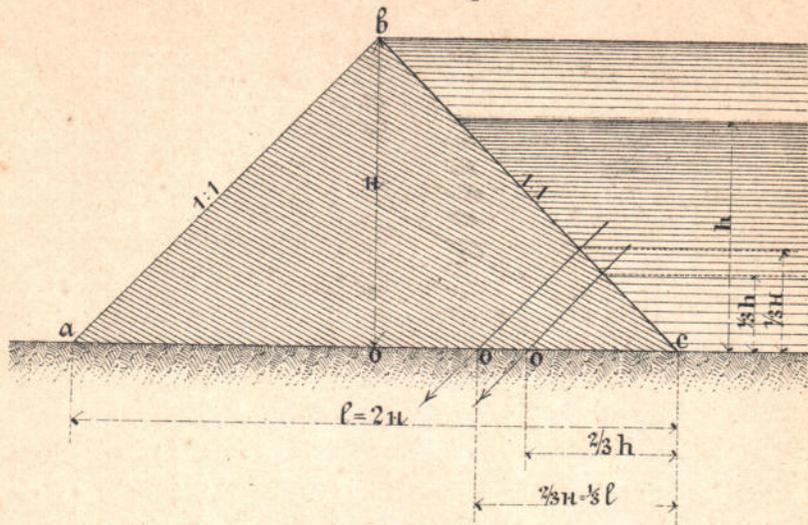


Черт. 1.

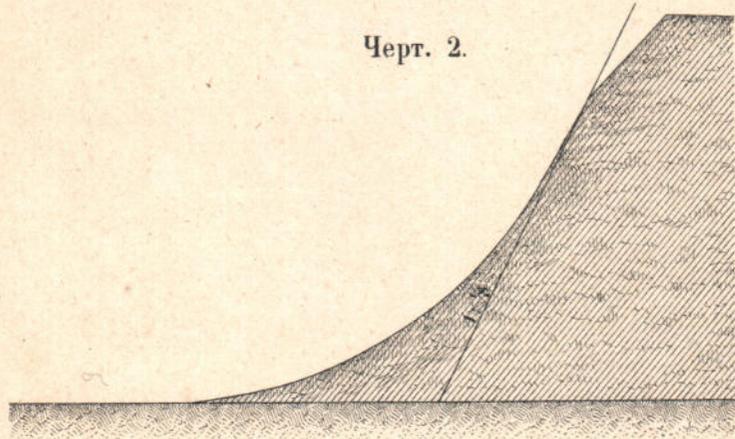




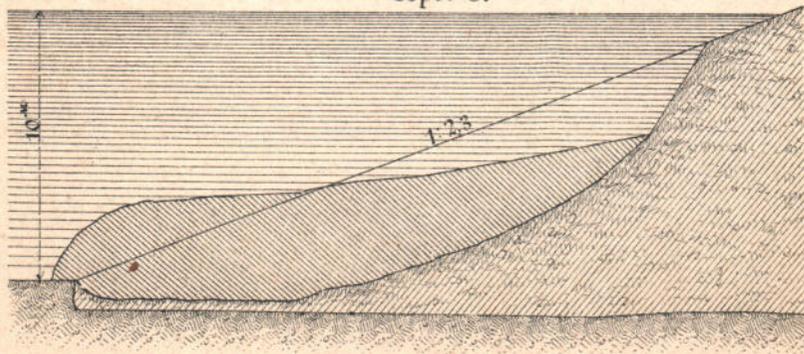
Черт. 1.



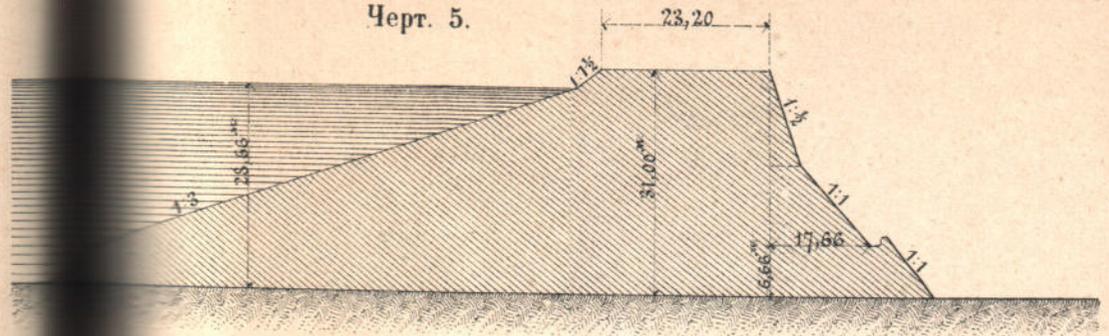
Черт. 2.



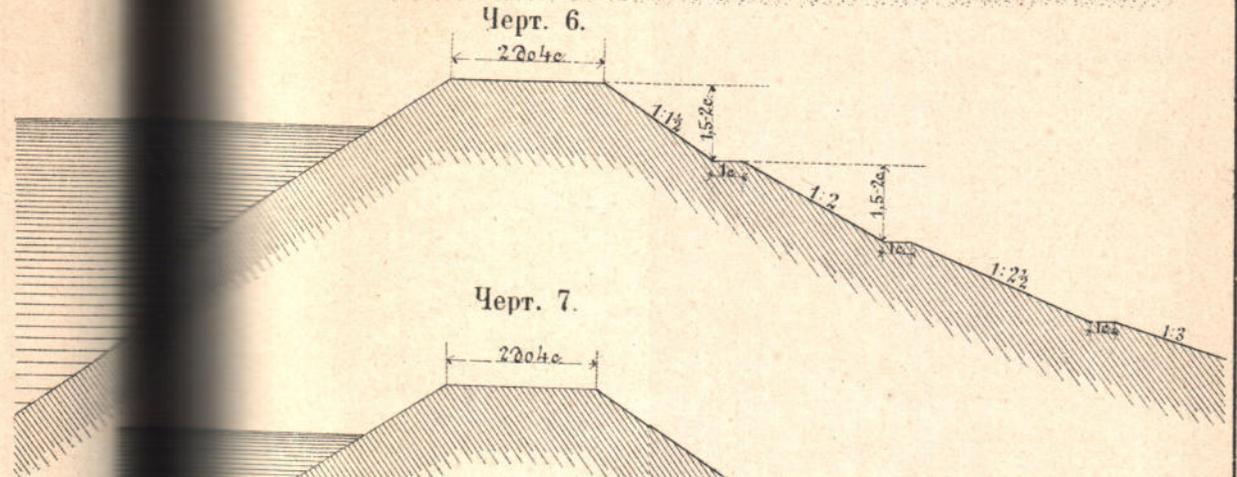
Черт. 3.



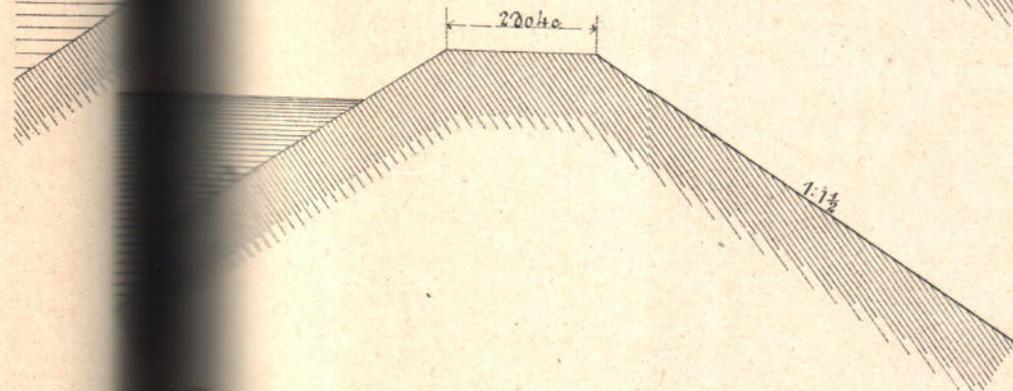
Черт. 5.



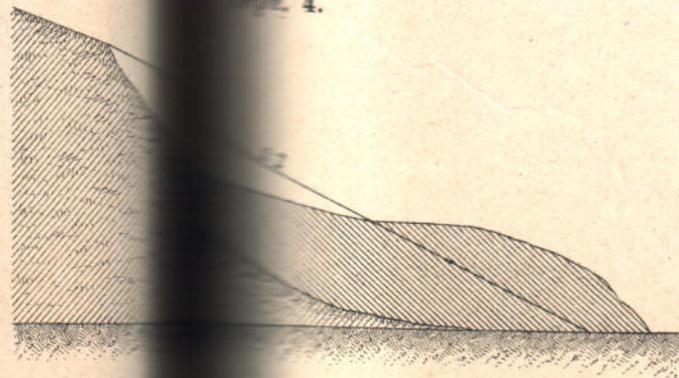
Черт. 6.



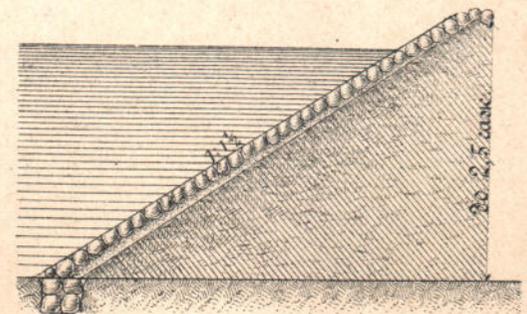
Черт. 7.



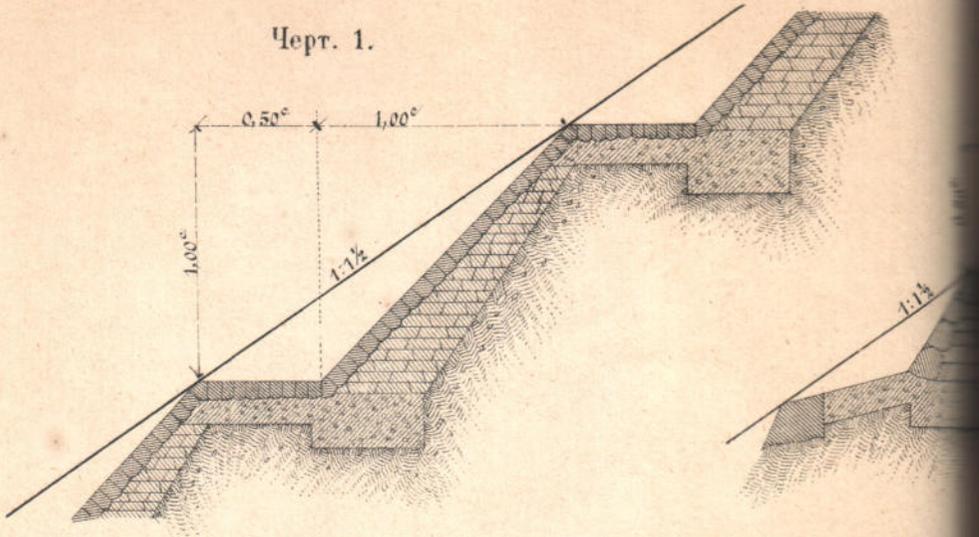
Черт. 4.



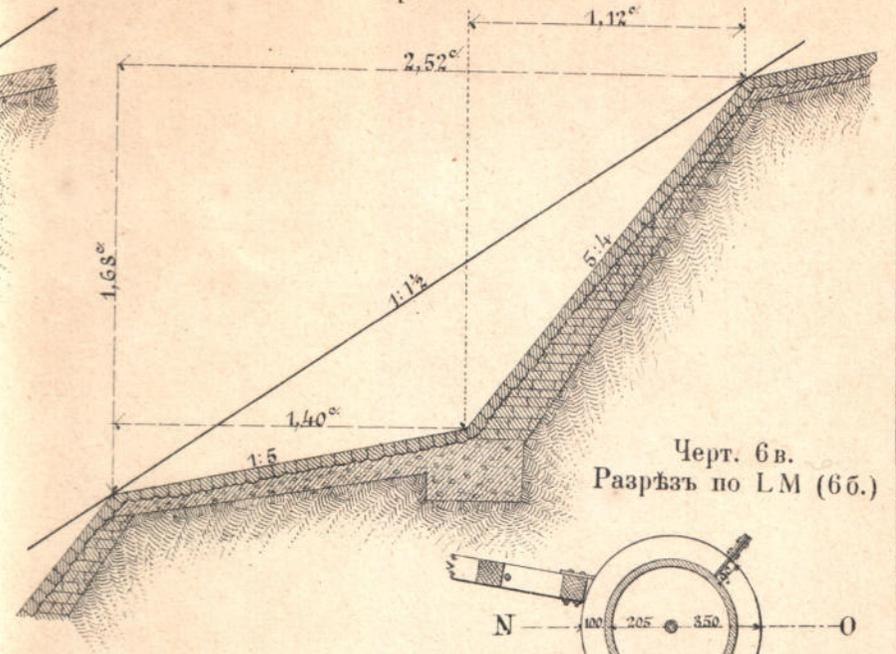
Черт. 8.



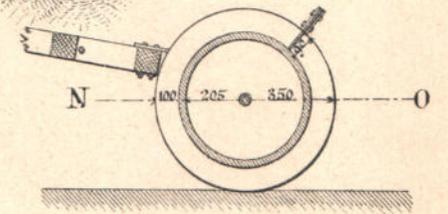
Черт. 1.



Черт. 2.

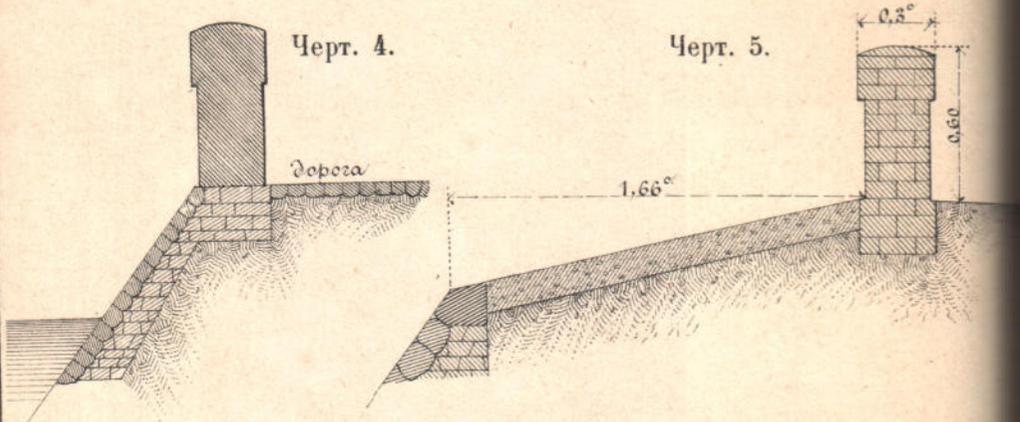


Черт. 6в.
Разрѣзь по LM (6б.)

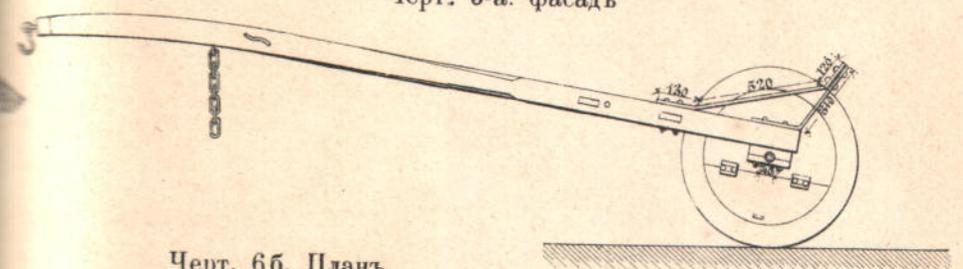


Черт. 4.

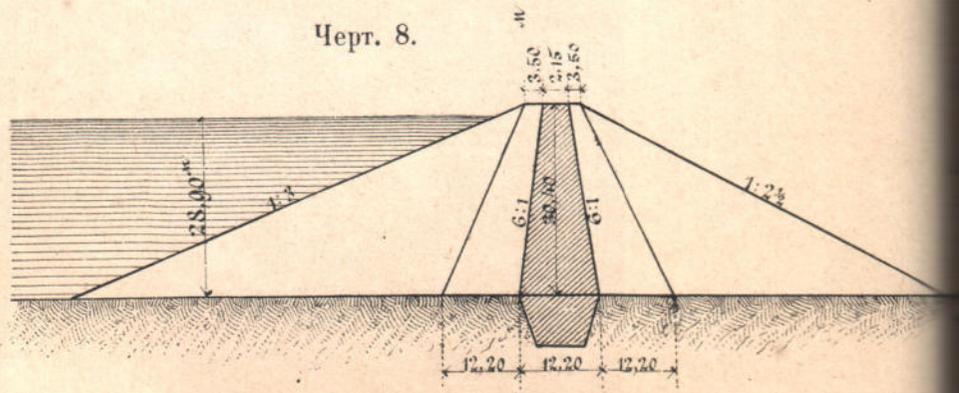
Черт. 5.



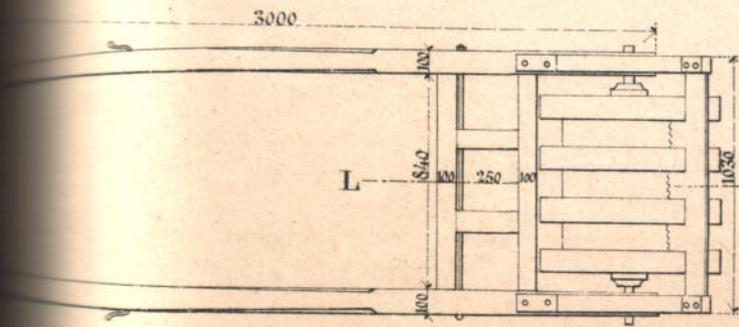
Черт. 6-а. фасадъ



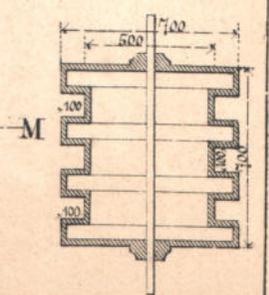
Черт. 8.



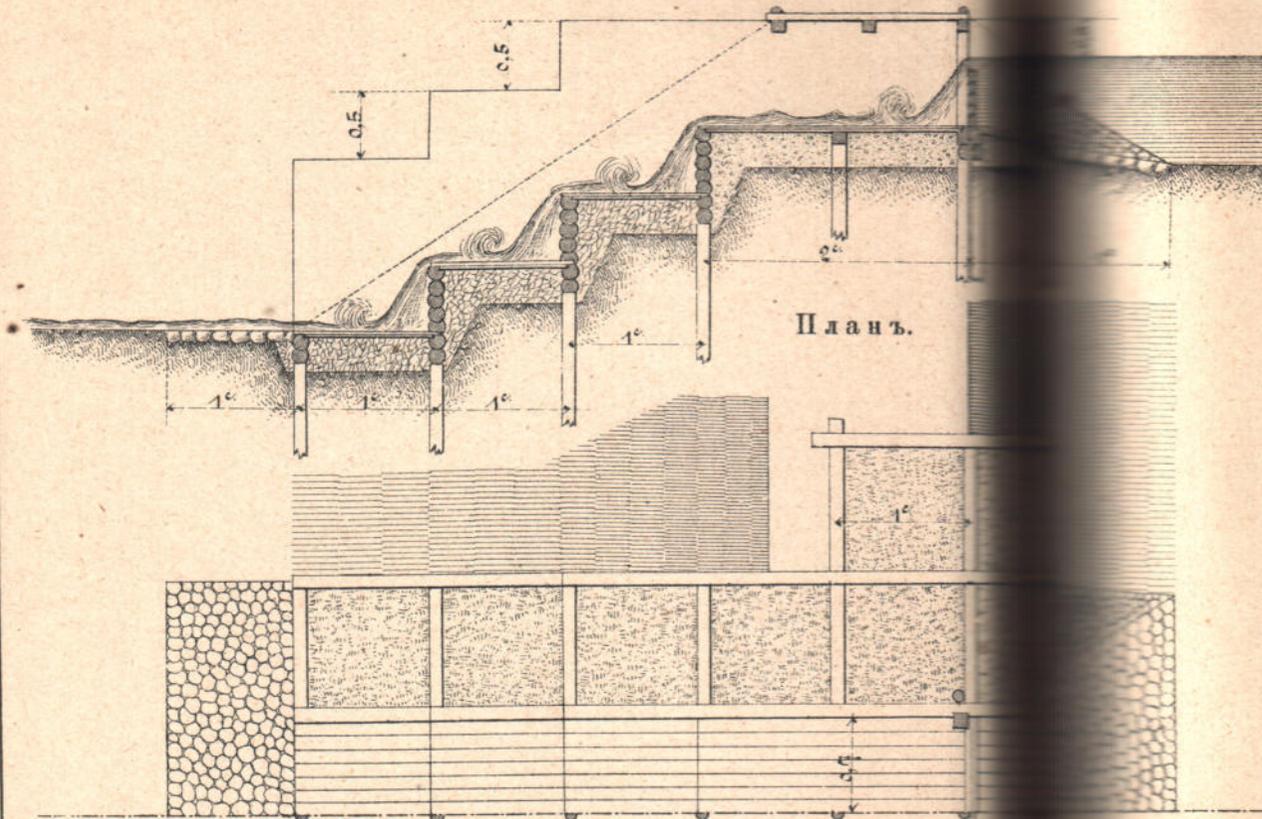
Черт. 6б. Планъ.



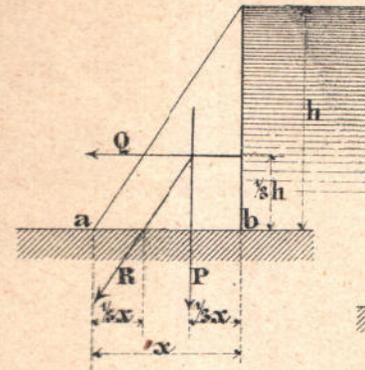
Черт. 6г.
Разрѣзь по NO (6в.)



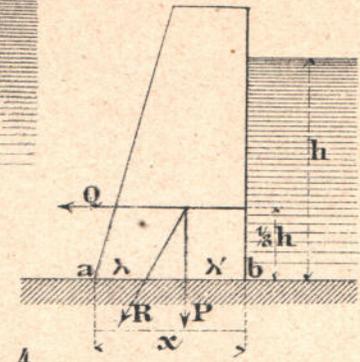
Черт. 1.
Разрѣзь по АВ.



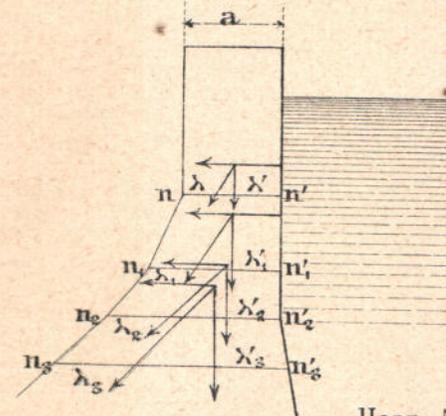
Черт. 2.



Черт. 3.

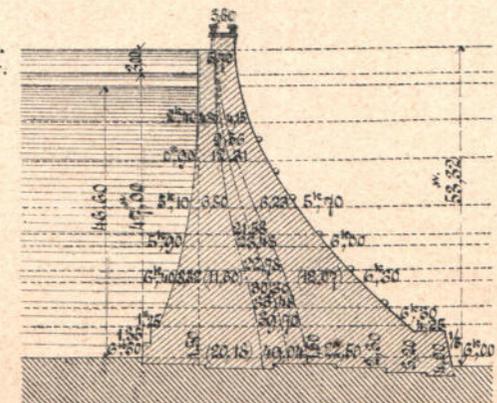


Черт. 4.

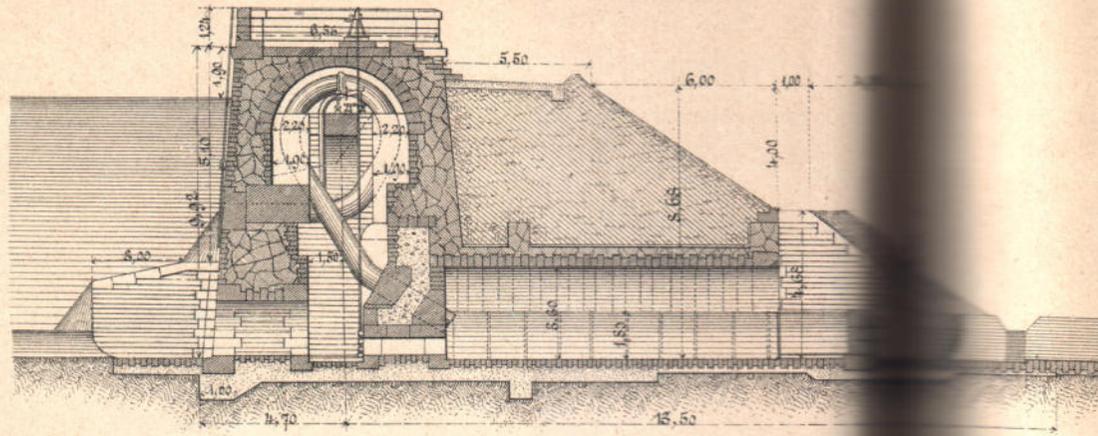


Черт. 5.

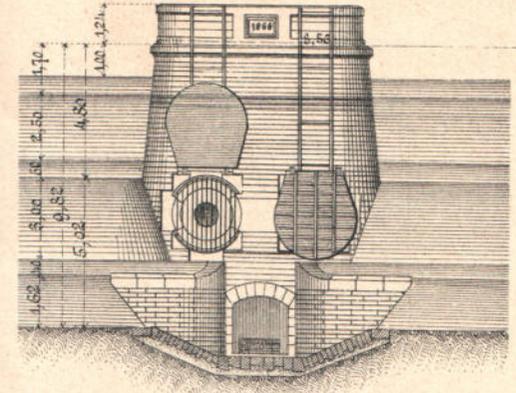
Наивысшій подпорный горизонтъ.
Средн. уровень съ 1845 г. до 1888 г.
Нормальн. подпорн. гор.



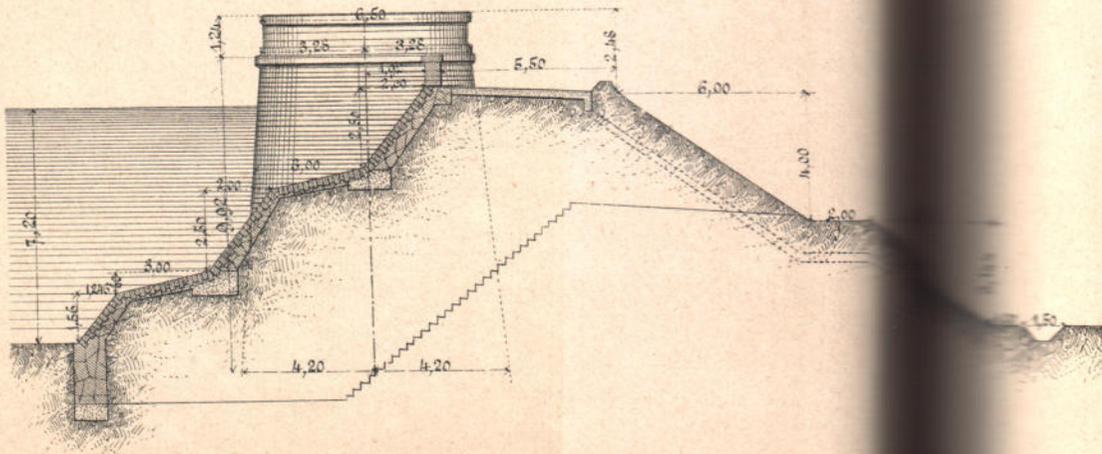
Черт. 1. Разрѣзъ по оси



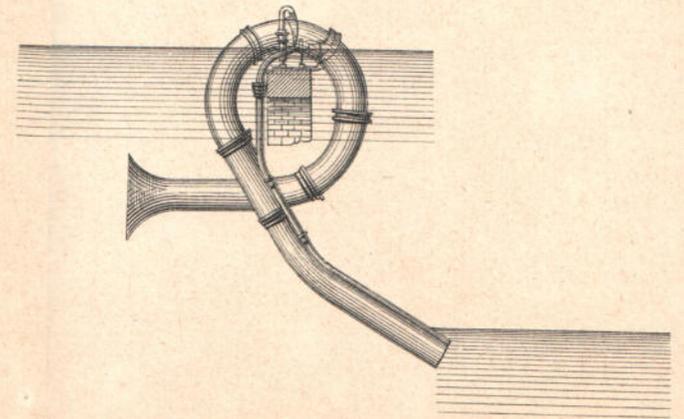
Черт. 3. Фасадъ башни.



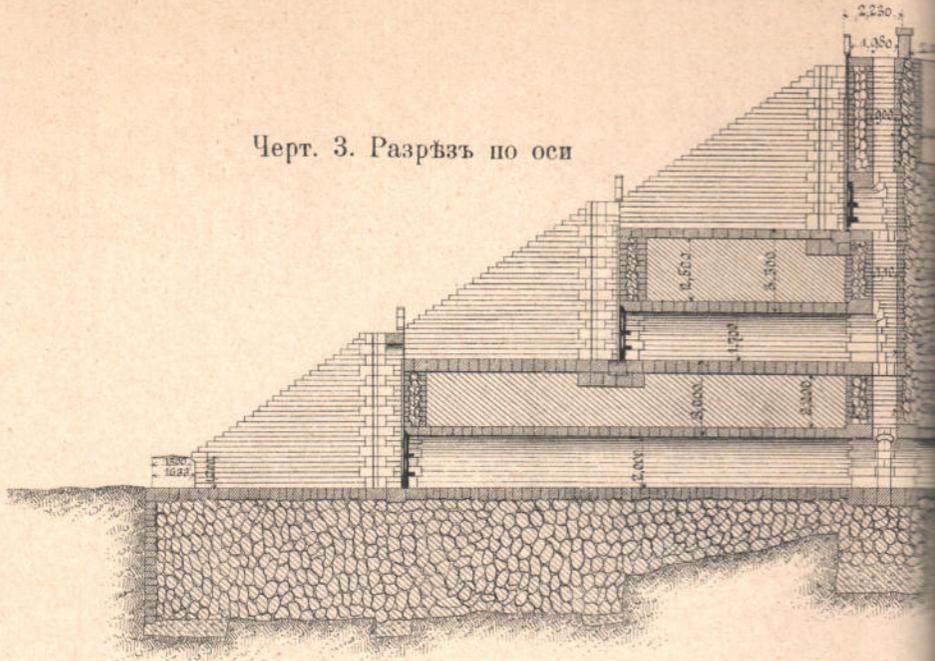
Черт. 2. Попер. разр. Плотины.



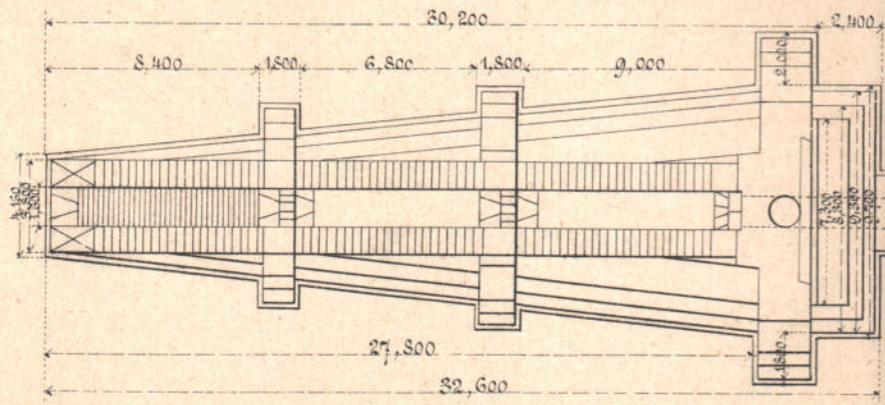
Черт. 4.



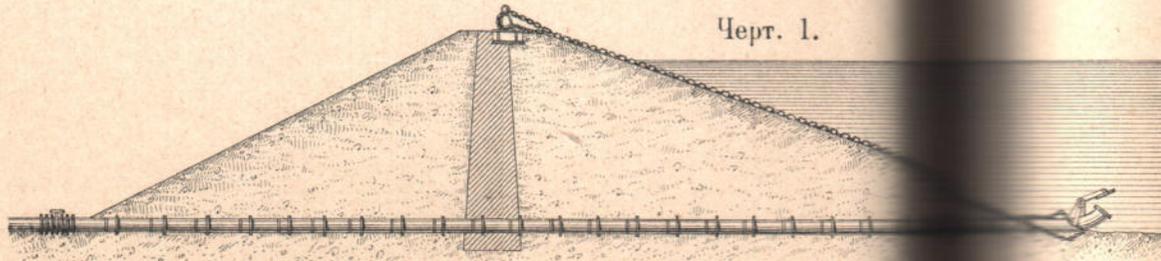
Черт. 3. Разрѣзь по оси



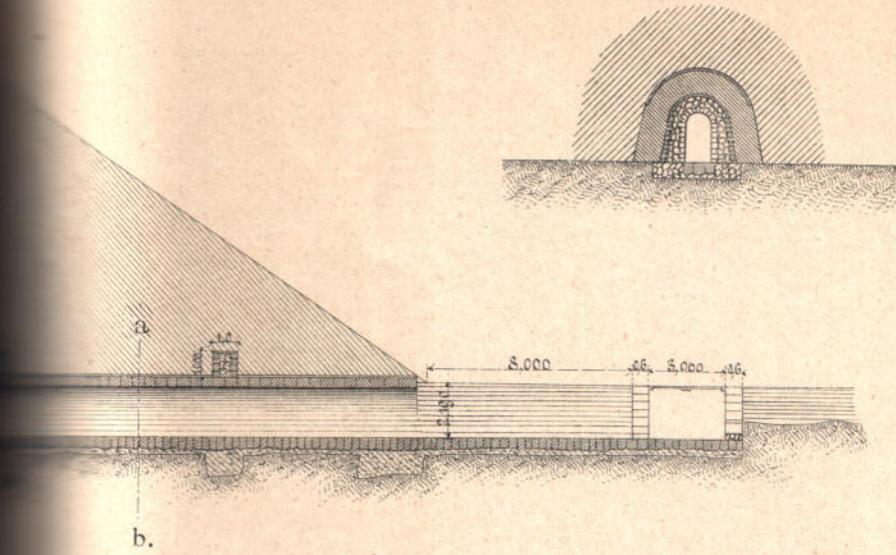
Черт. 4. Планъ.



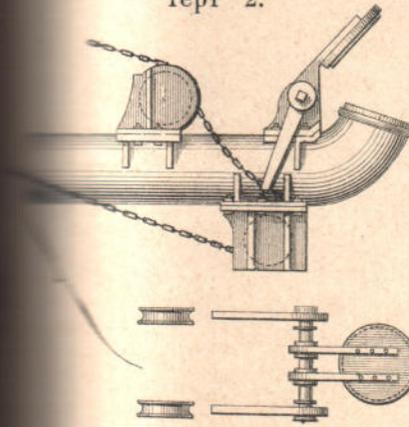
Черт. 1.



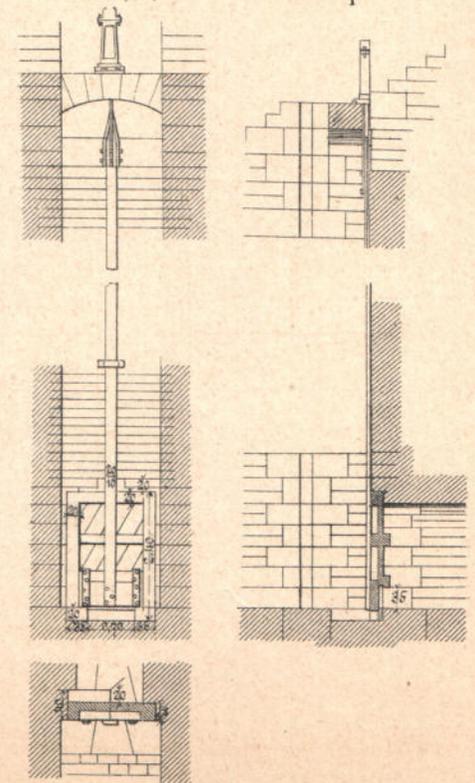
Черт. 5. Разрѣзь по а в.



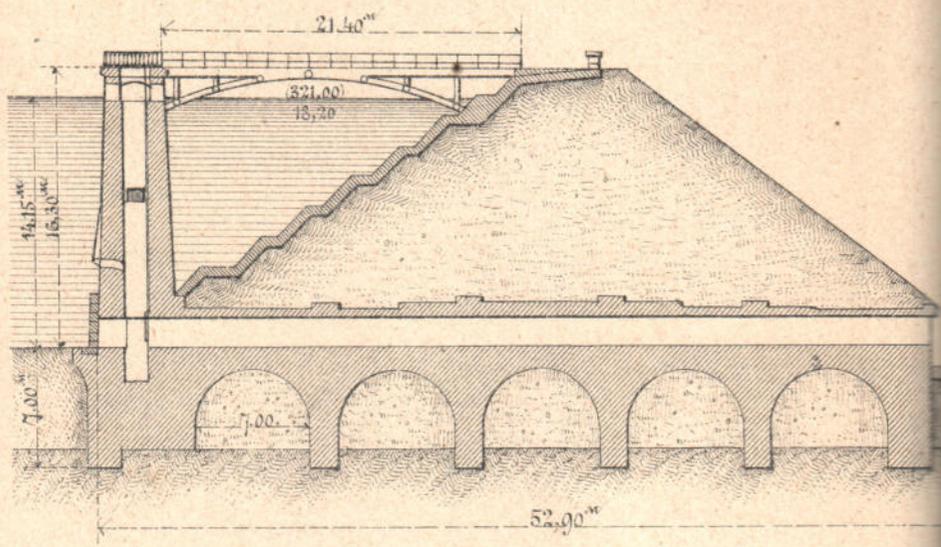
Черт. 2.



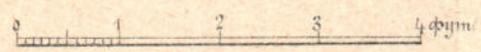
Черт. 6. Фасадъ. Разрѣзь.



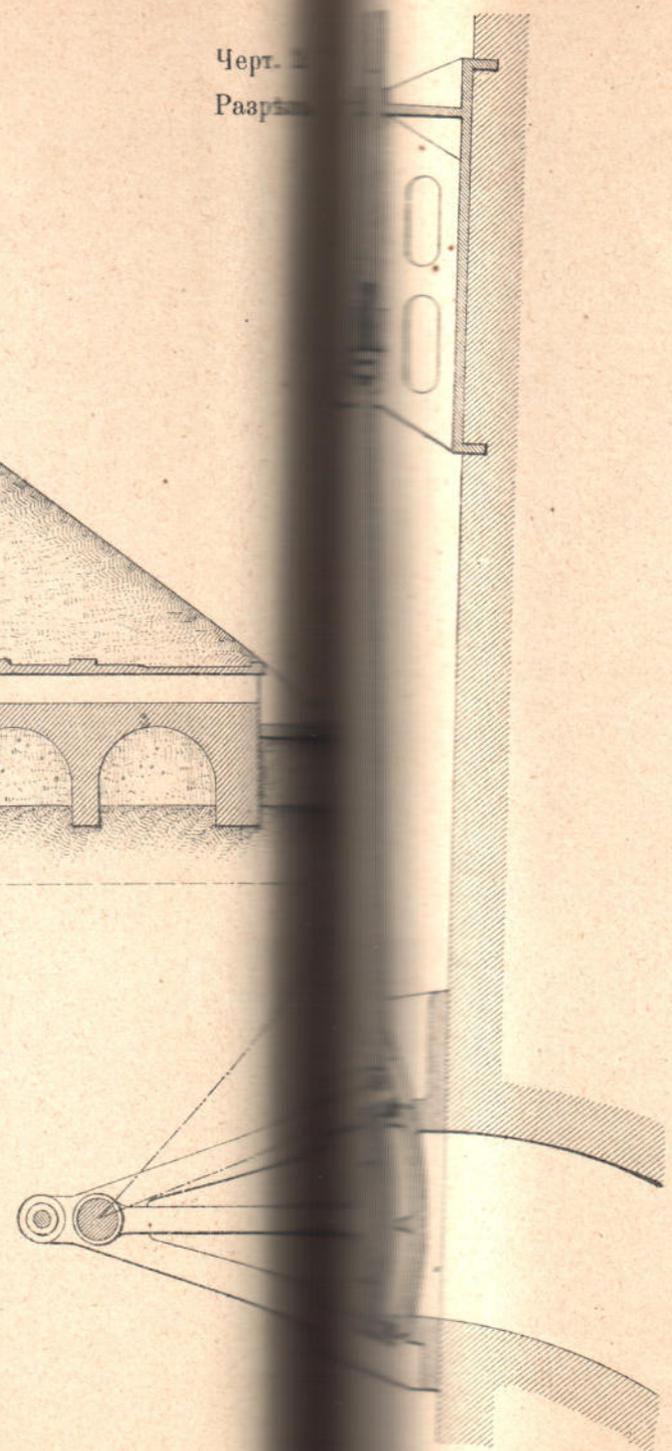
Черт. 1.
Разрѣзъ плотины по оси
водоспуска.



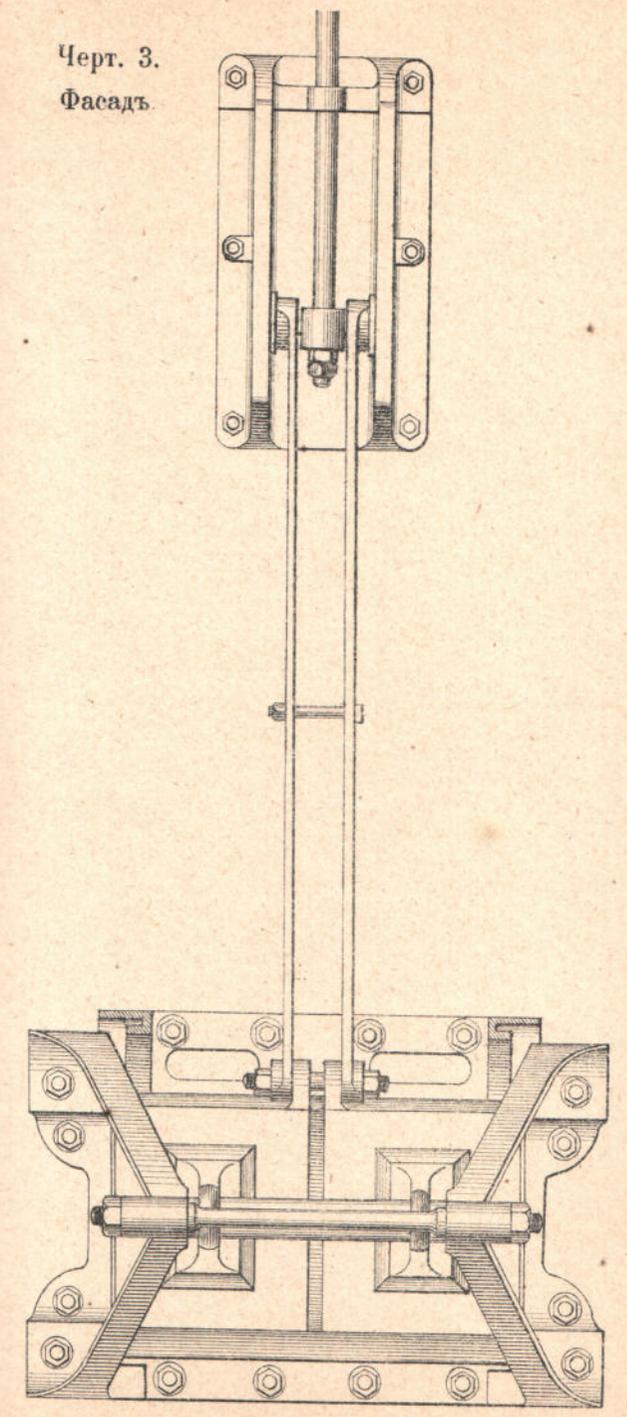
Масштабъ къ черт. 2 и 3.



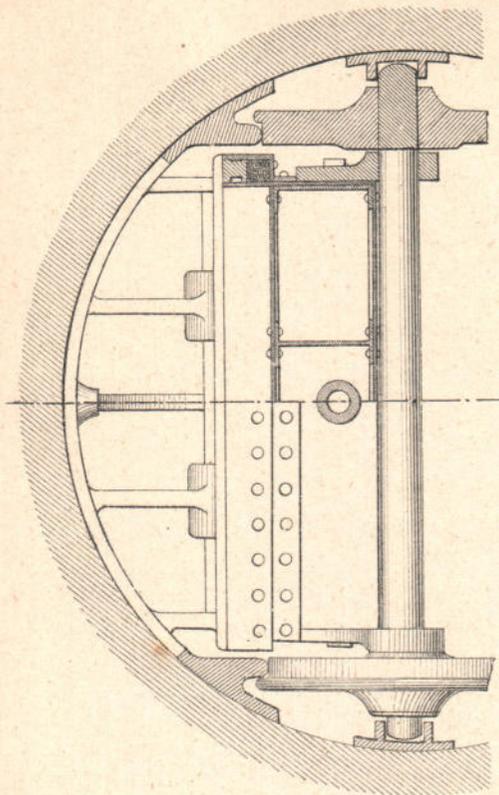
Черт. 2.
Разрѣзъ



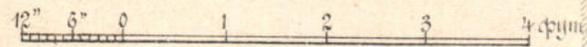
Черт. 3.
Фасадъ.



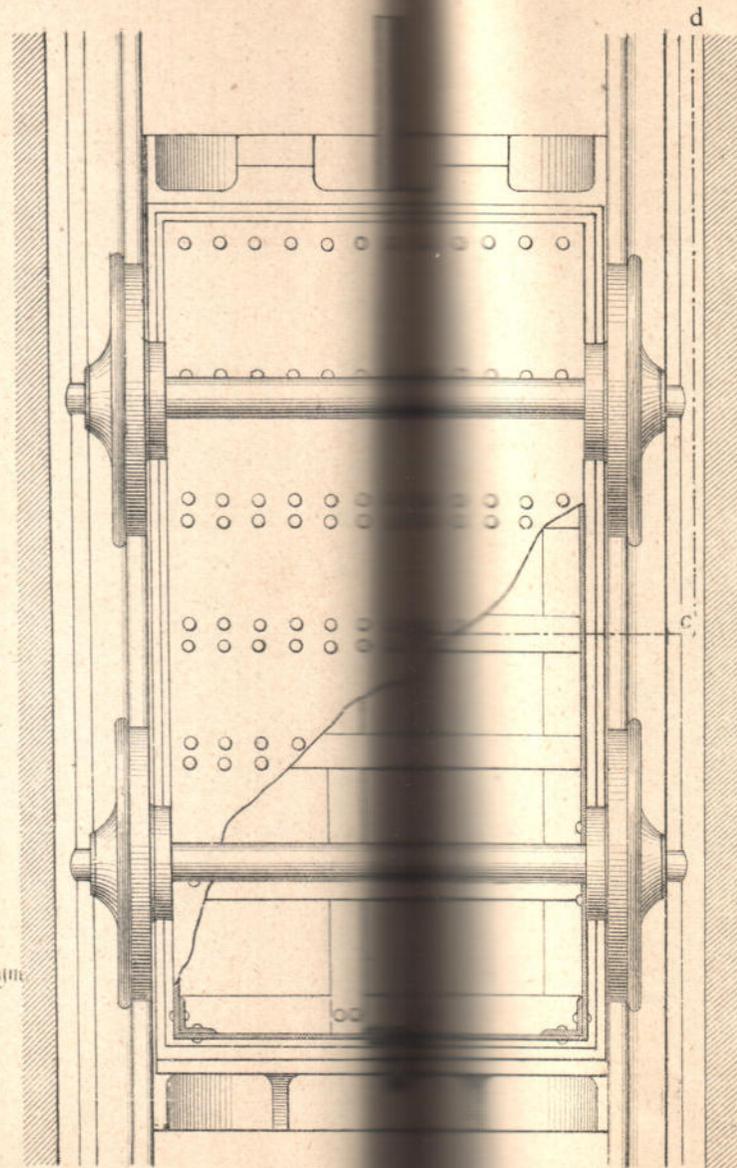
Черт. 1.
Планъ.



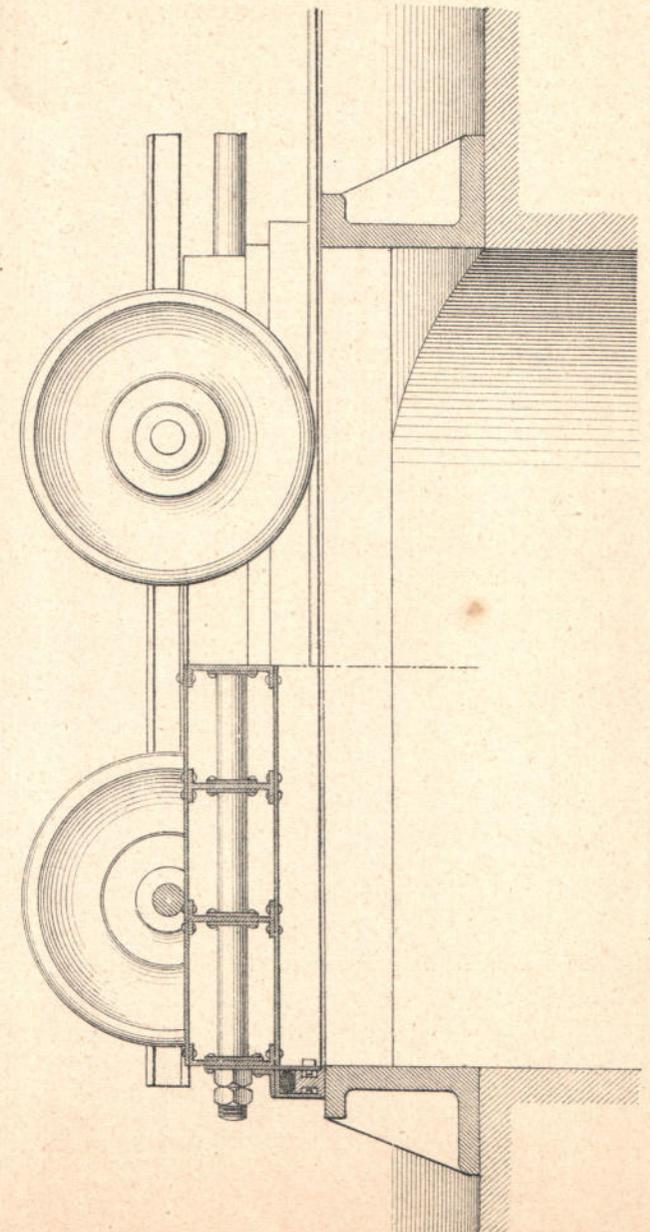
Масштабъ.



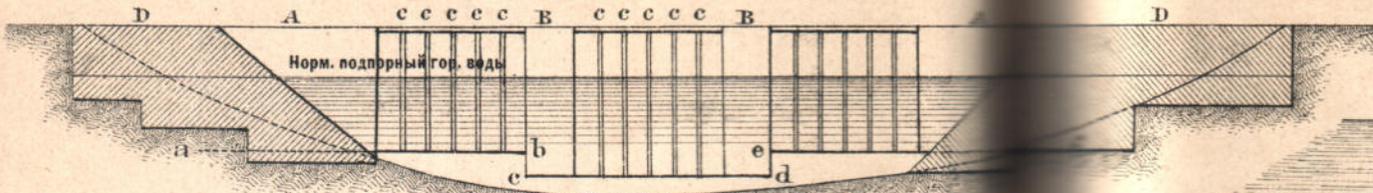
Черт. 2.
Фланецъ



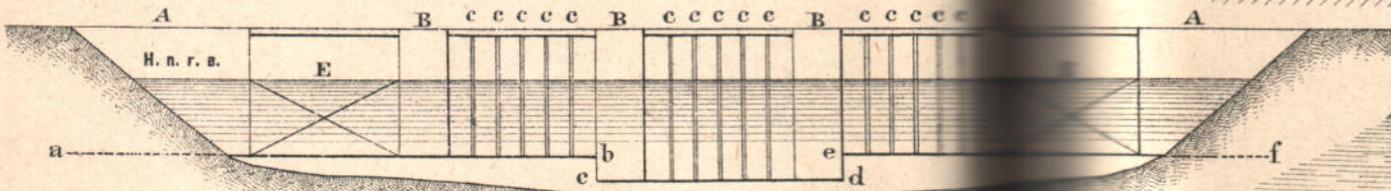
Черт. 3.
Разрѣзь и боковой видъ по abcd.
(черт. 2).



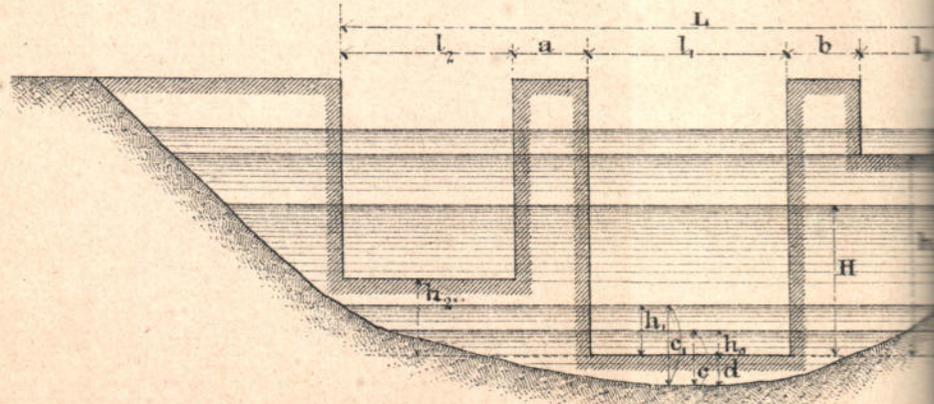
Черт. 1.



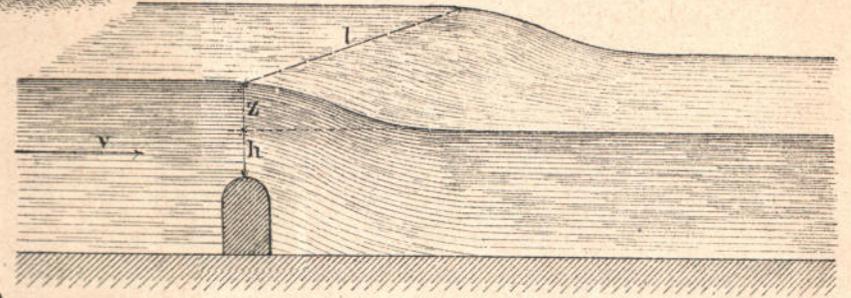
Черт. 2.



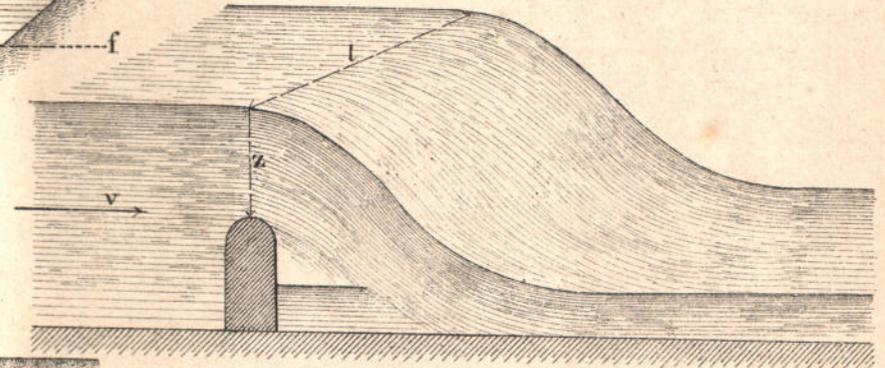
Черт. 3.



Черт. 4.



Черт. 5.



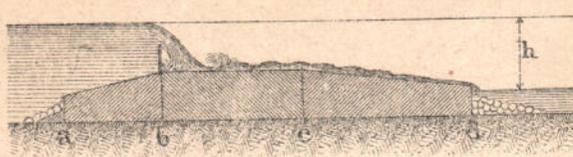
→ Наивысшій подпорный горизонтъ.
 → Нормальный подпорный горизонтъ.
 → Горизонтъ самыхъ высокыхъ водъ свободнаго тальвега.

Взвѣсн. наводка

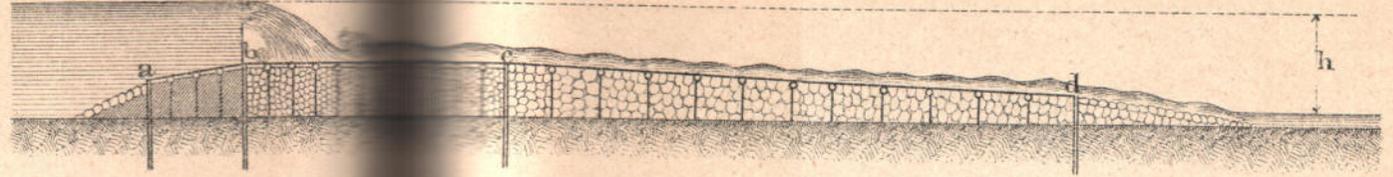
→ Самый низкій подпорный горизонтъ.
 → Самый низкій горизонтъ меженихъ водъ свободнаго тальвега.

Взвѣсн.

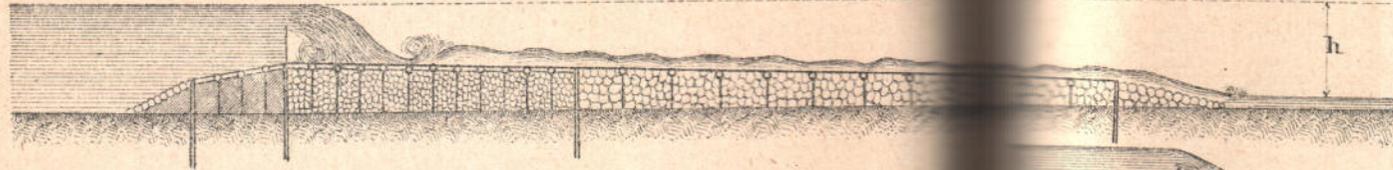
Черт. 1.



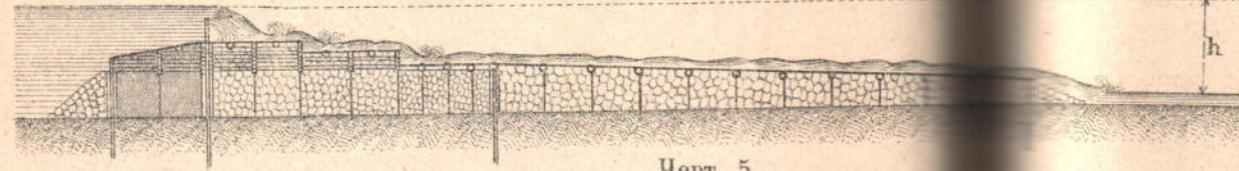
Черт. 2.



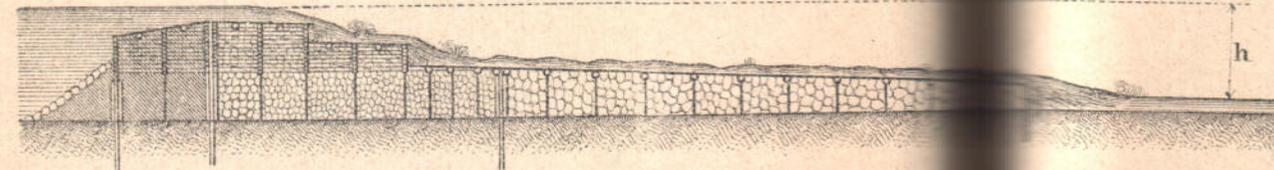
Черт. 3.



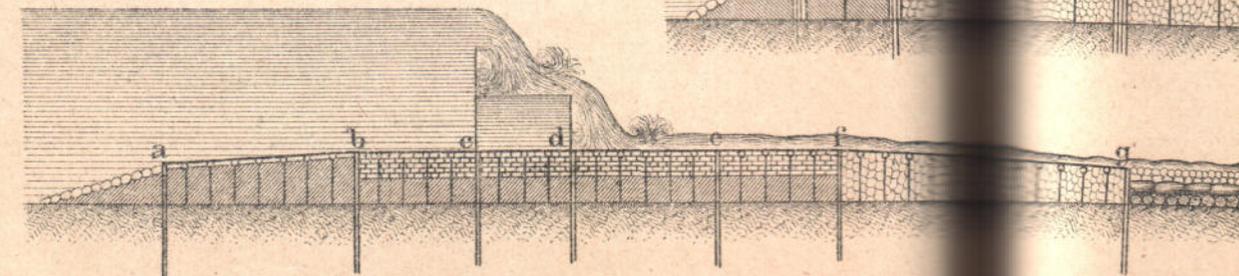
Черт. 4.



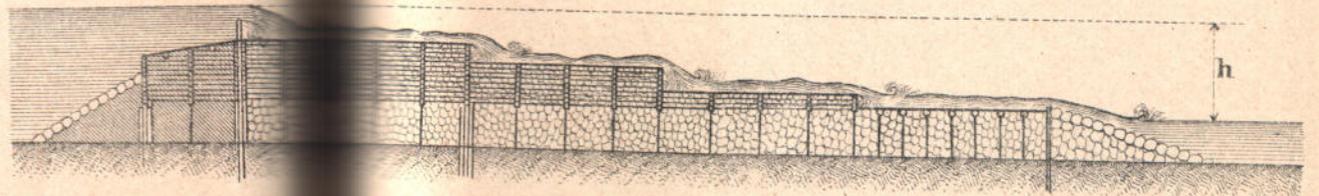
Черт. 5.



Черт. 7.



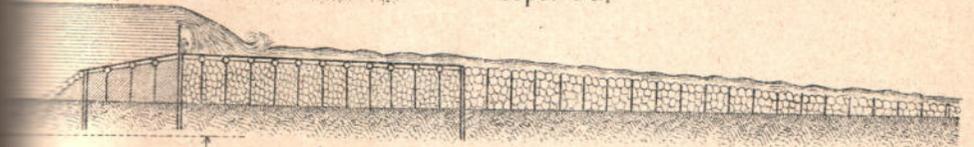
Черт. 6.



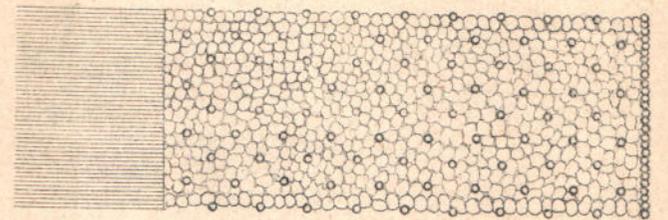
Черт. 9.

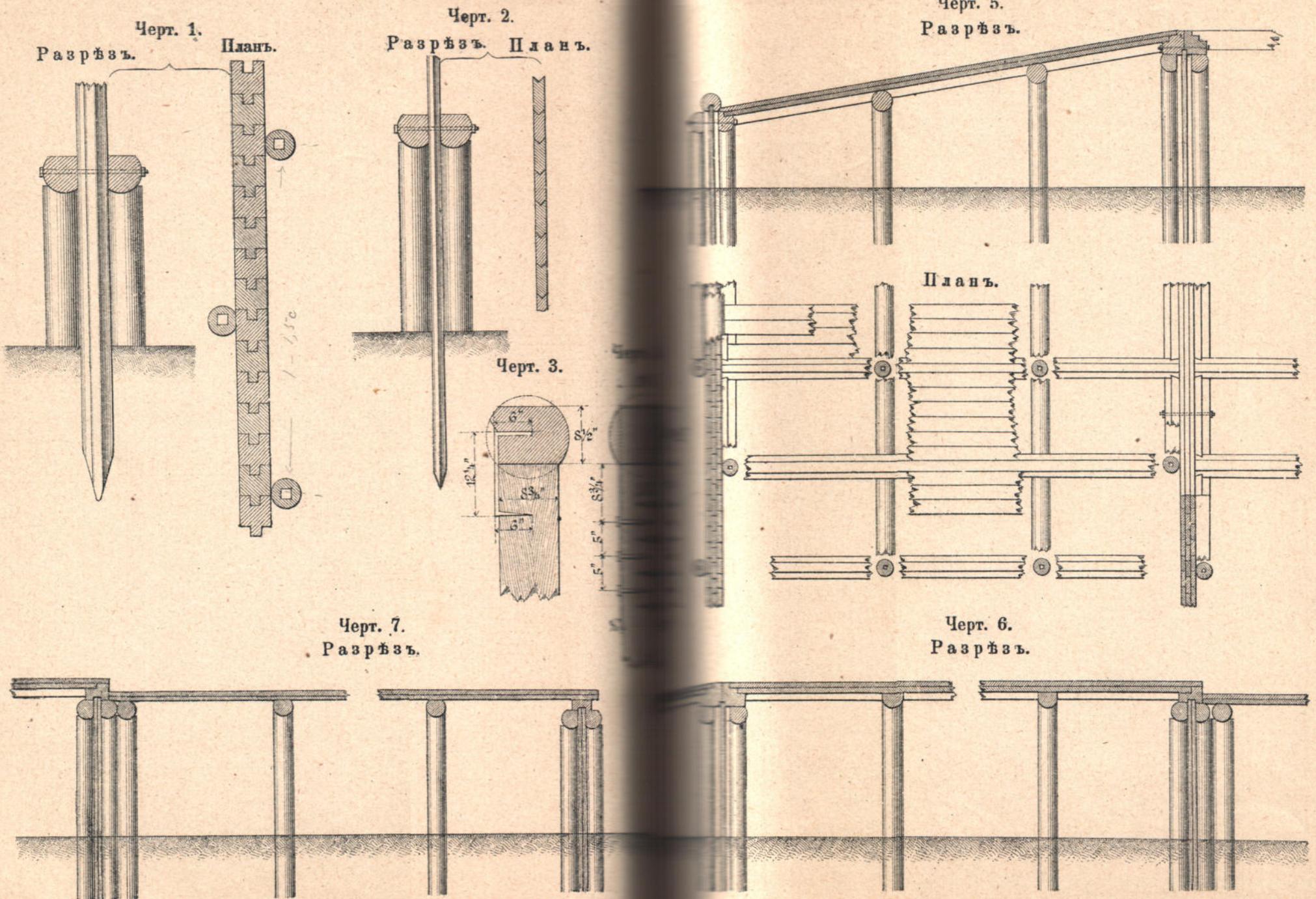


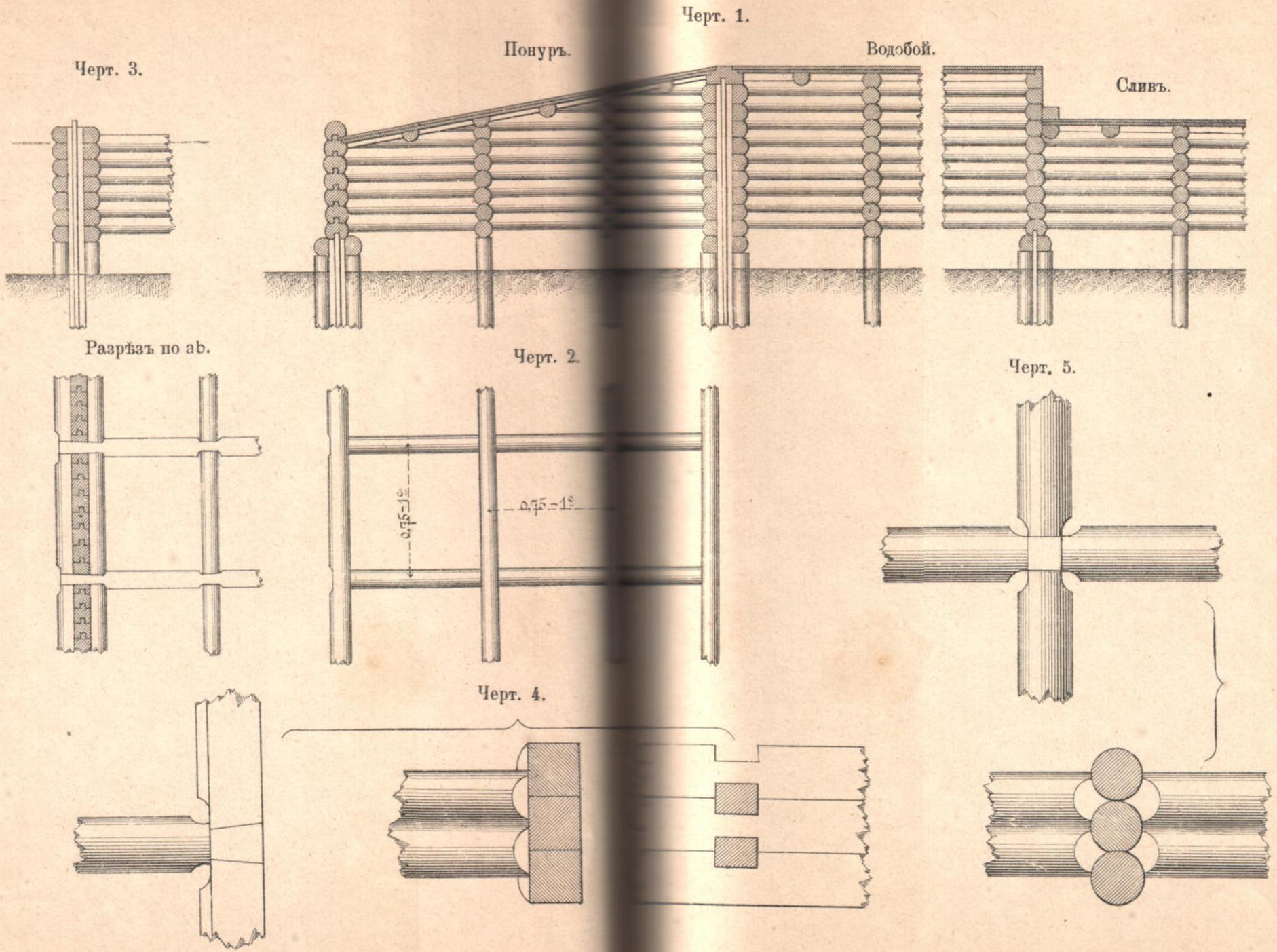
Черт. 8a.



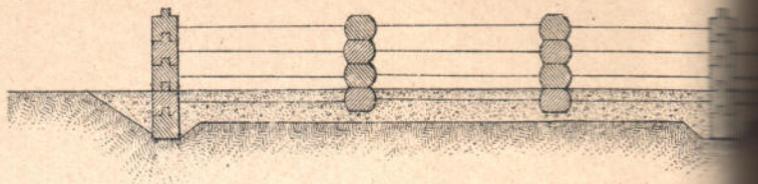
Черт. 8b.



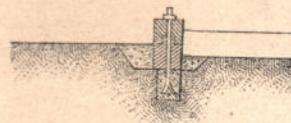




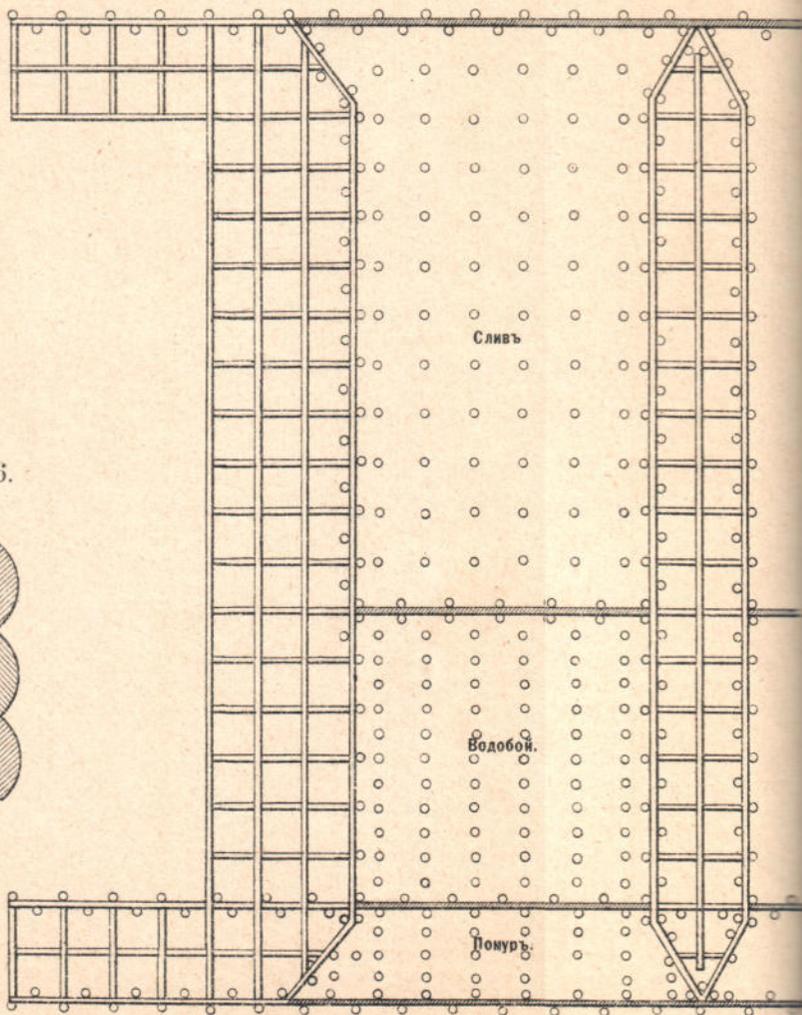
Черт. 1



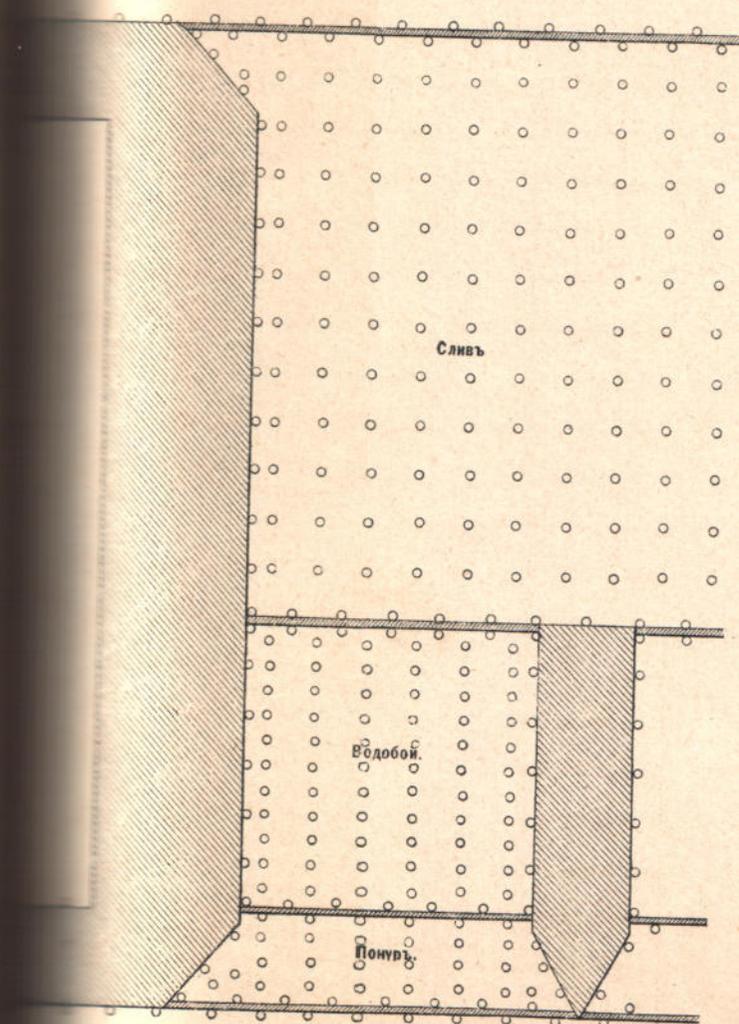
Черт. 2.



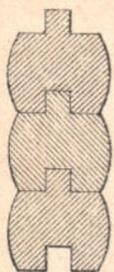
Черт. 3.



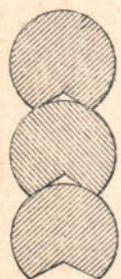
Черт. 4.



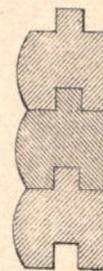
Черт. 5.



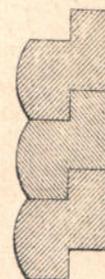
Черт. 6.



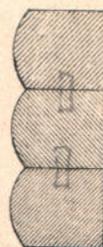
Черт. 7.



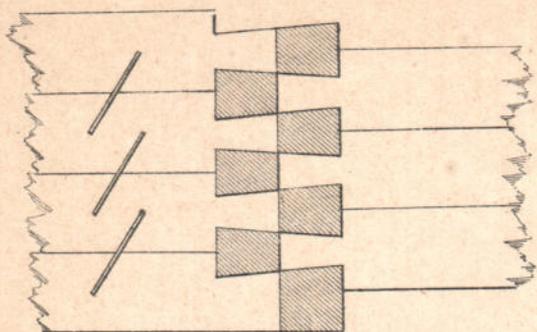
Черт. 8.



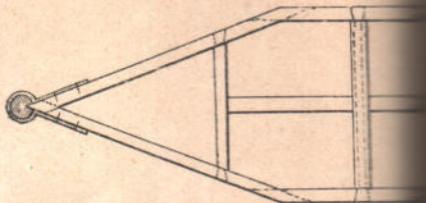
Черт. 9.



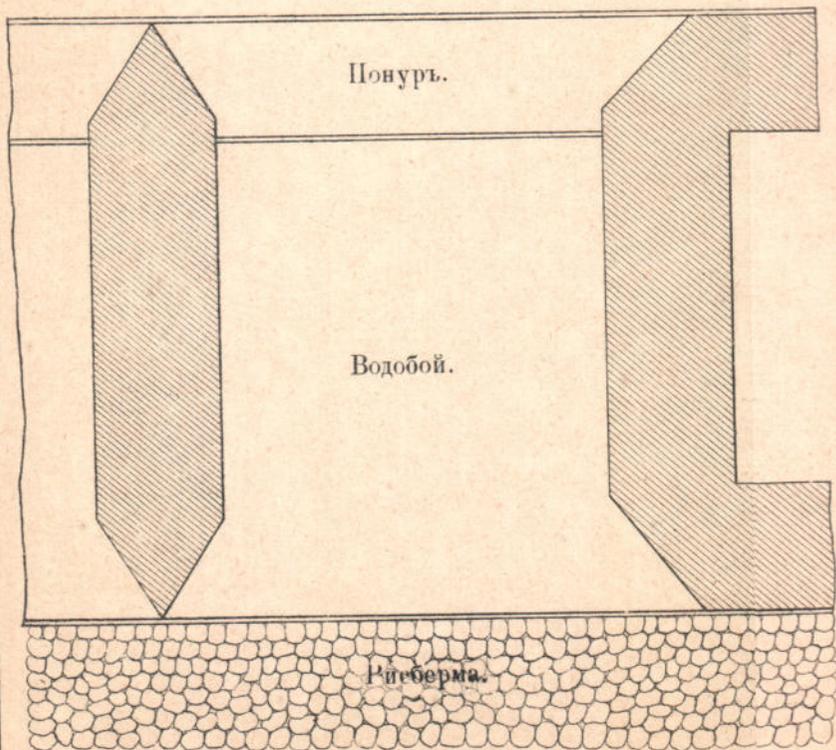
Черт. 1.



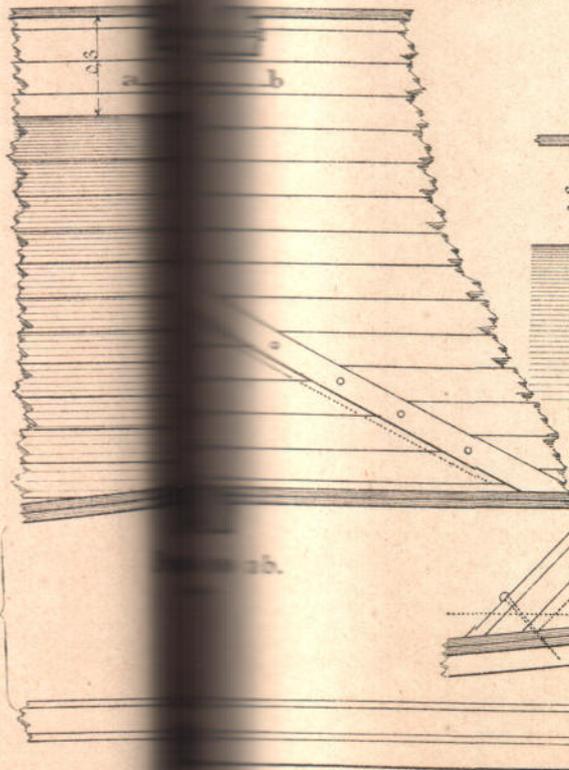
Черт. 2.



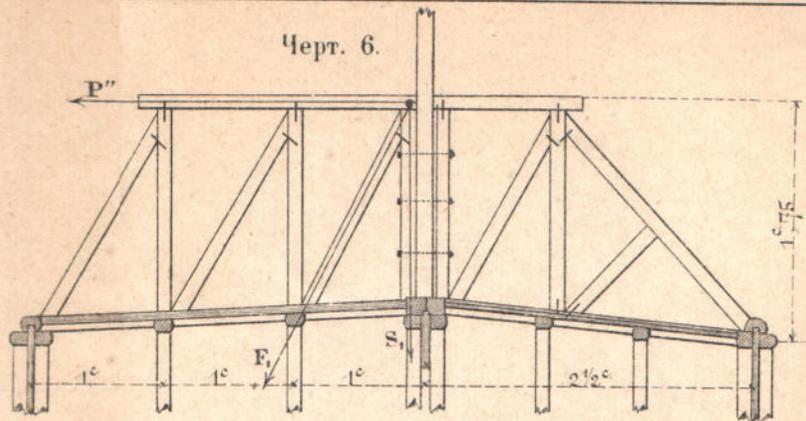
Черт. 3.



Черт. 4.



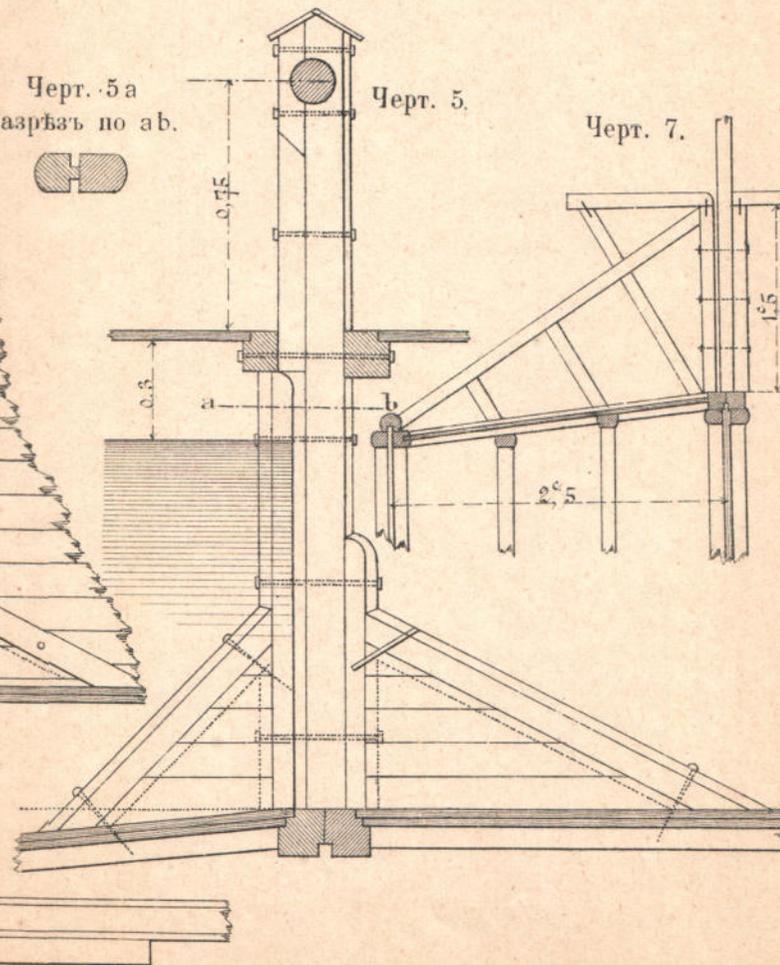
Черт. 6.



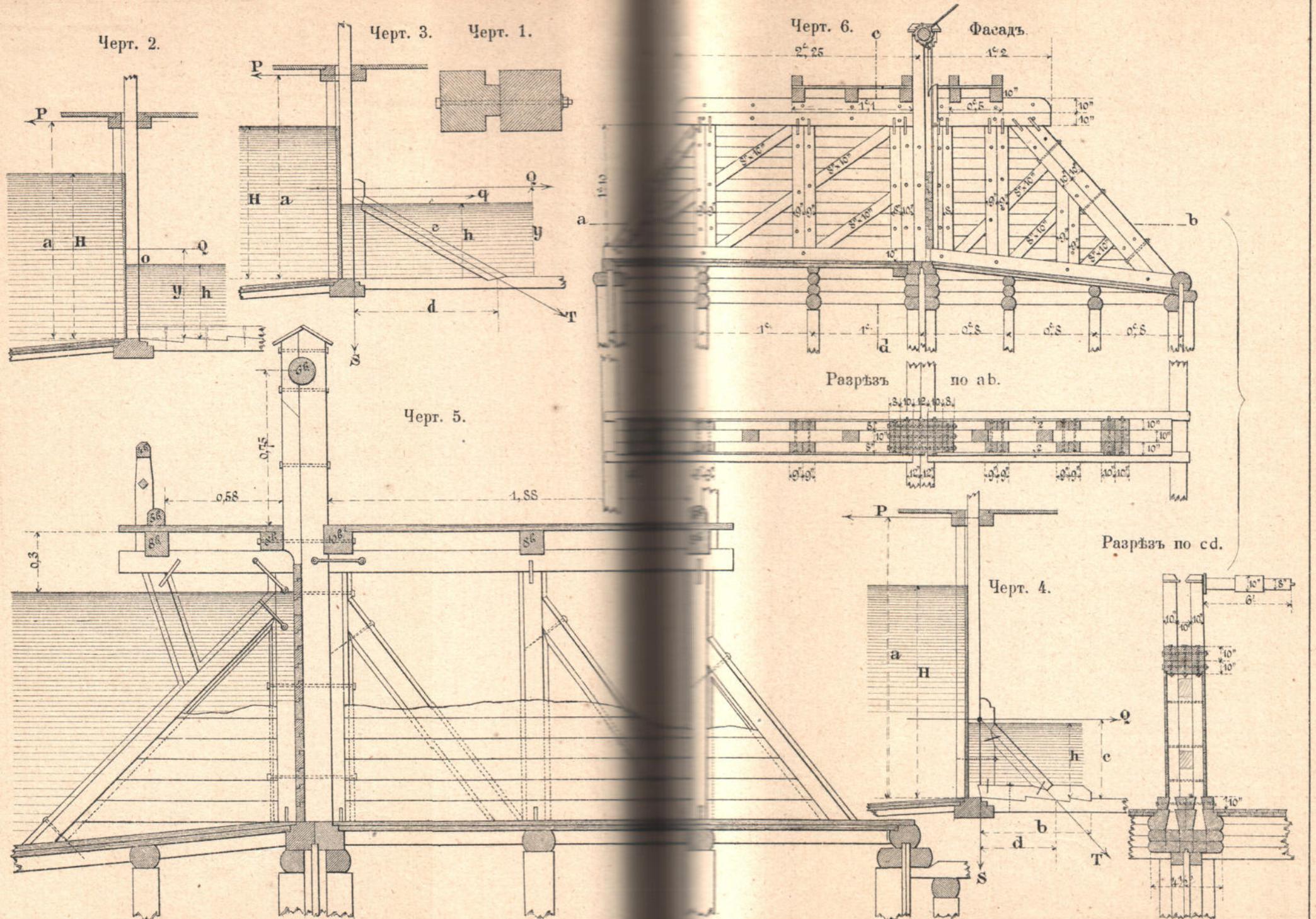
Черт. 5 а
Разрѣзь по а б.

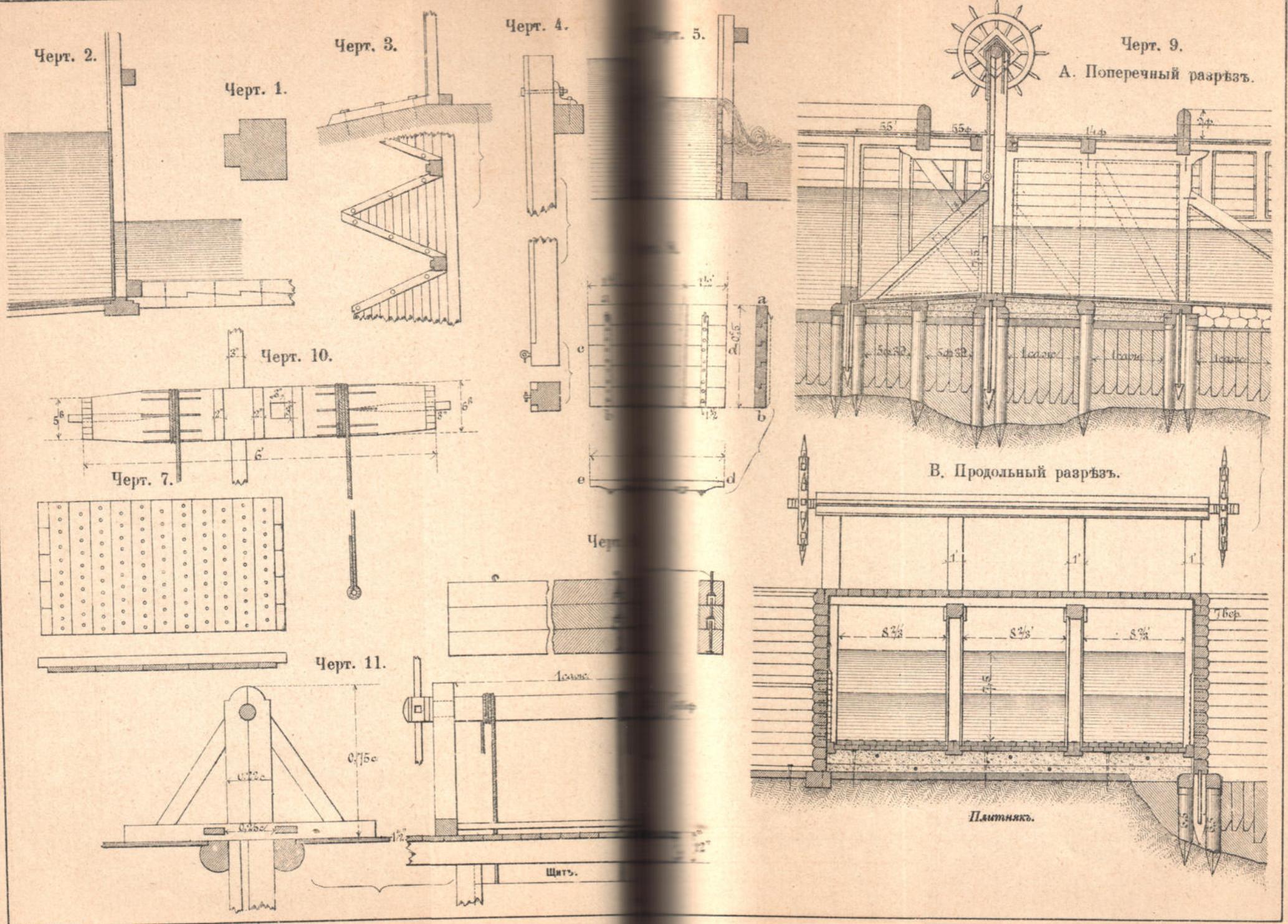


Черт. 5.

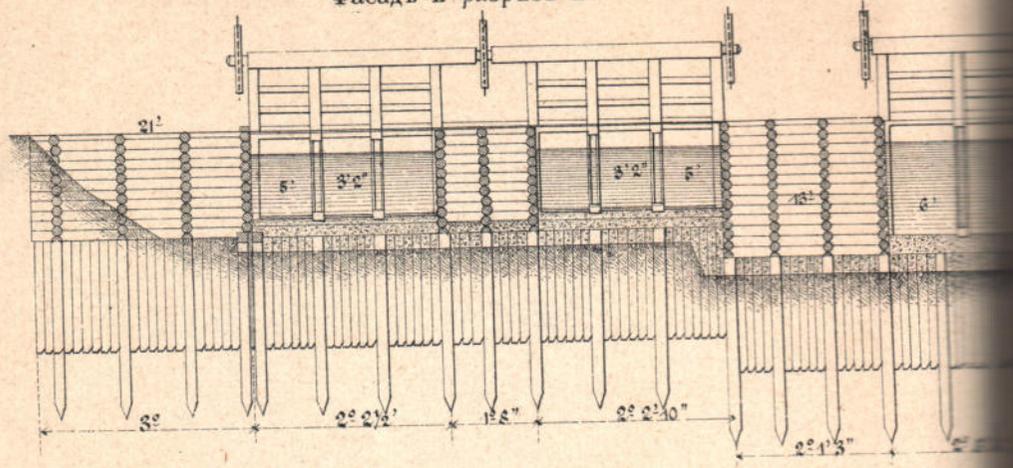


Черт. 7.

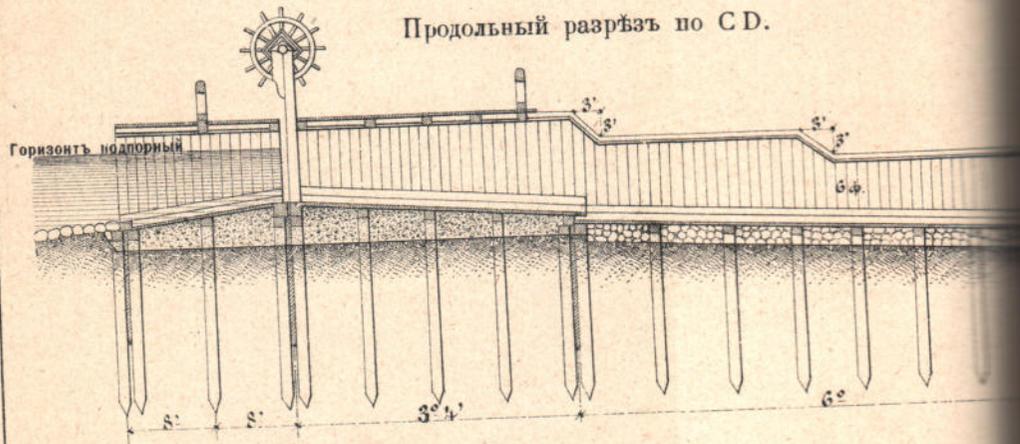




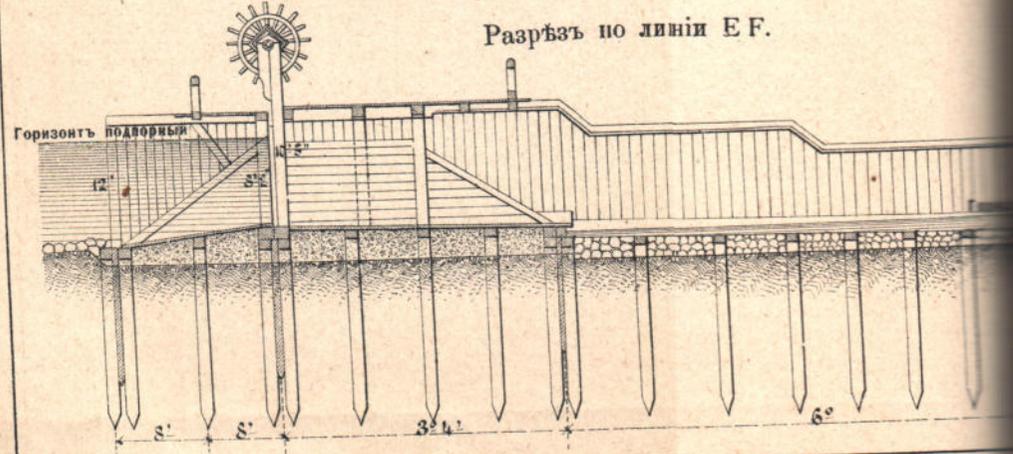
Фасад и разрез по АВ.



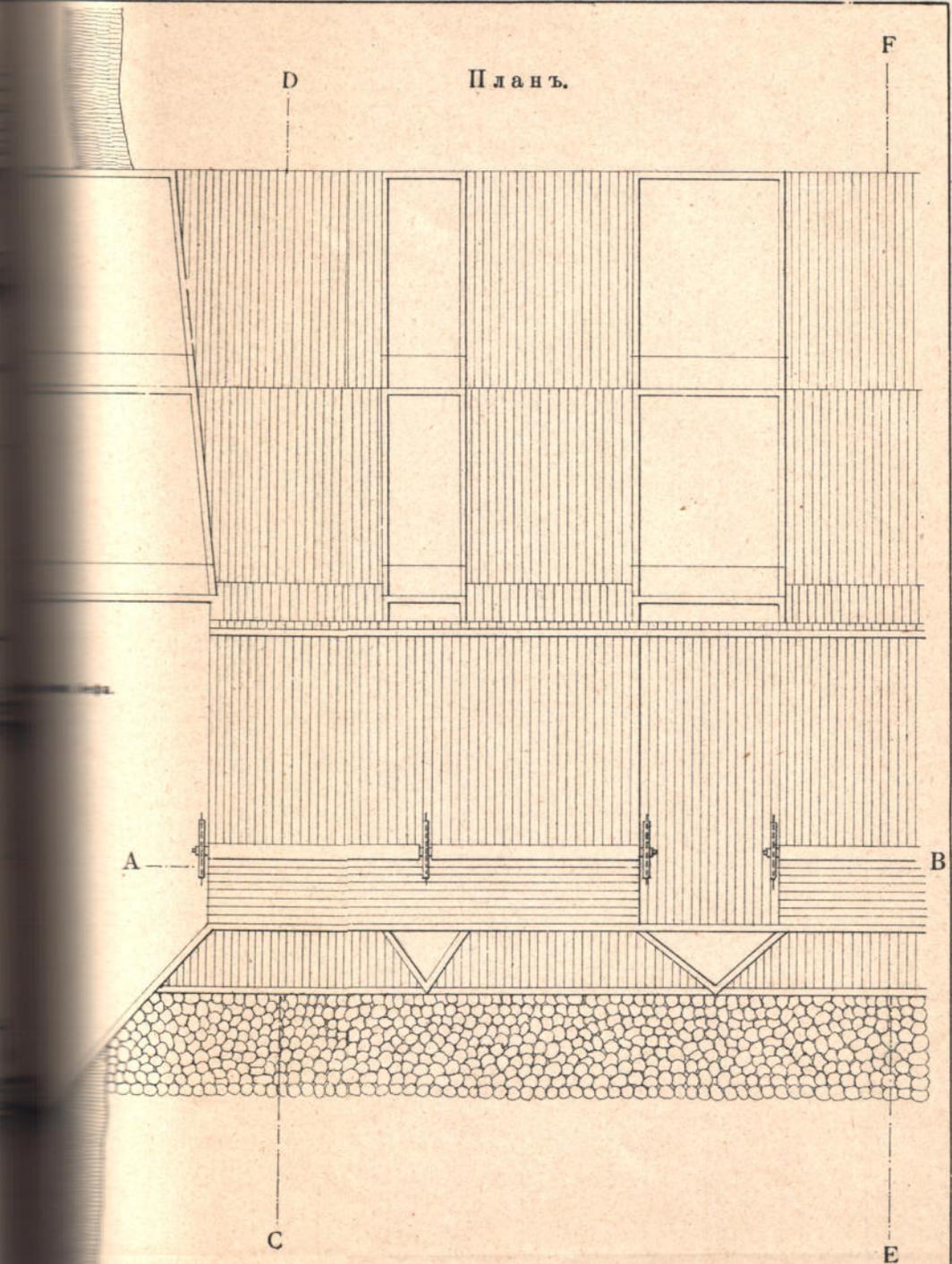
Продольный разрез по CD.



Разрез по линии EF.



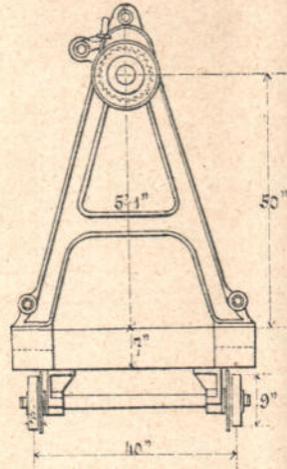
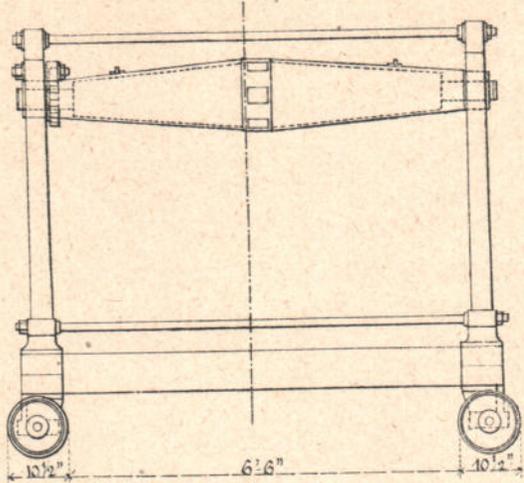
Планъ.



Черт. 1.

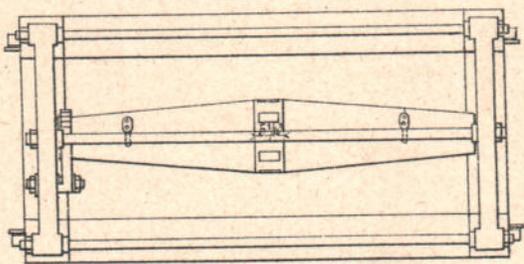
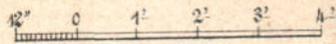
Боковой видъ.

Поперечный разръзъ по аа

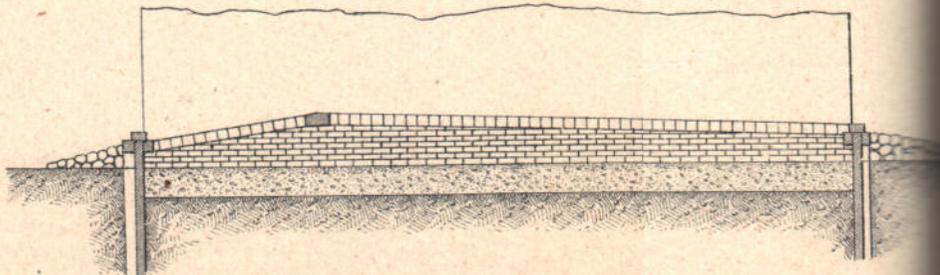


Планъ.

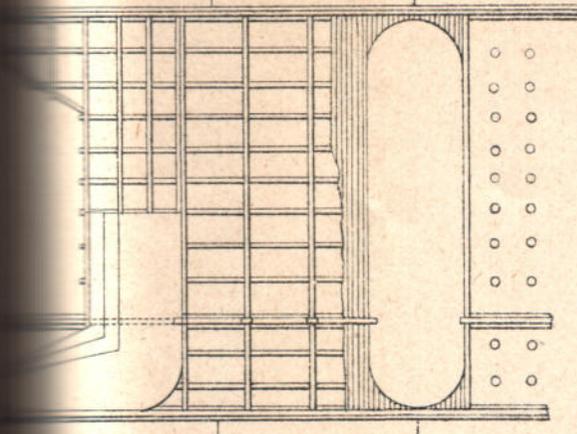
Масштабъ въ 1/32 н. в.



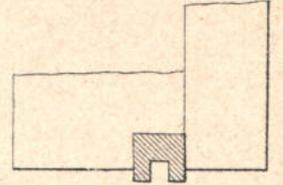
Черт. 4.



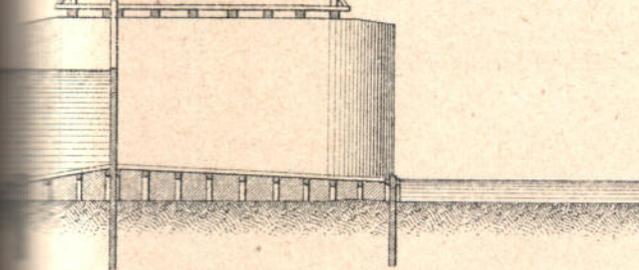
Черт. 2.
Планъ.



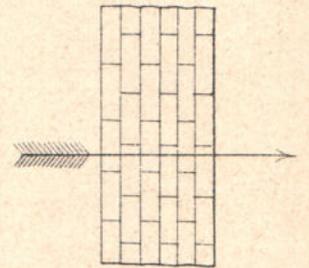
Черт. 3.



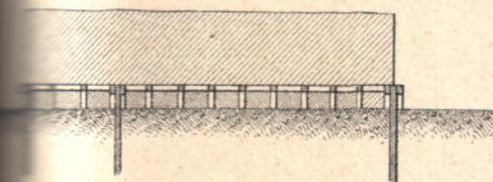
Разръзъ по а в.



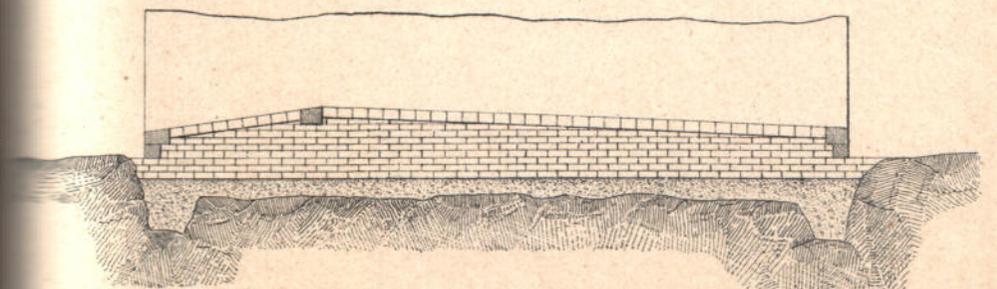
Черт. 6.



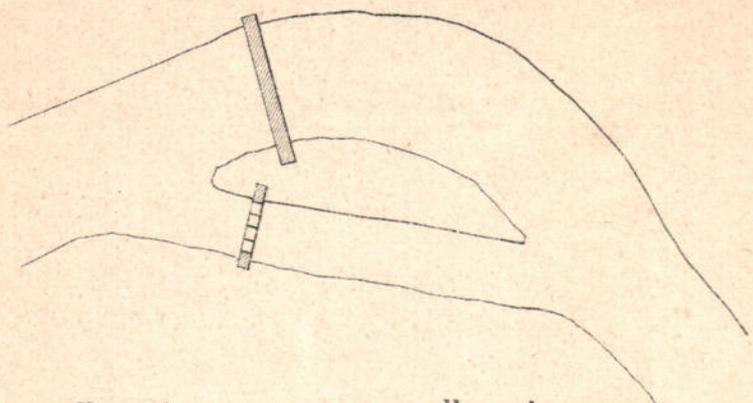
Разръзъ по с д.



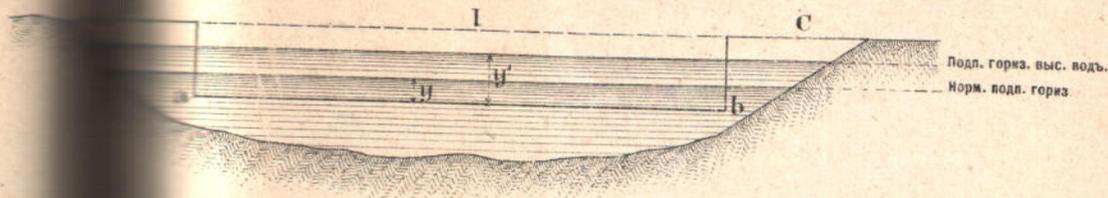
Черт. 5.



Черт. 1.

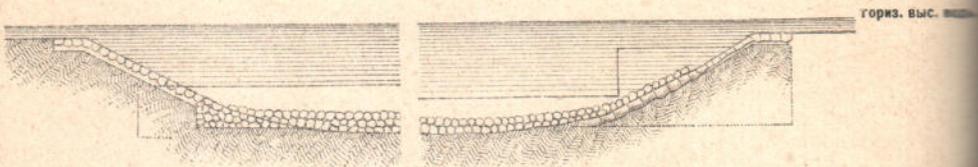


Черт. 2.



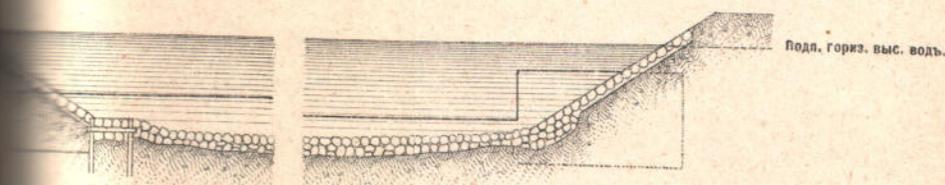
Черт. 4 а.

Черт. 4 в.



Черт. 3 а.

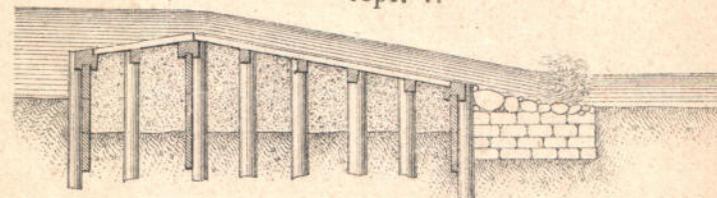
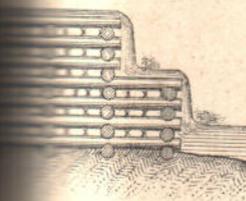
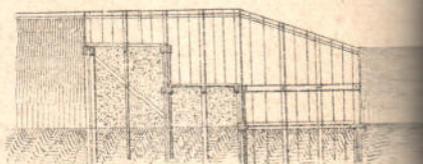
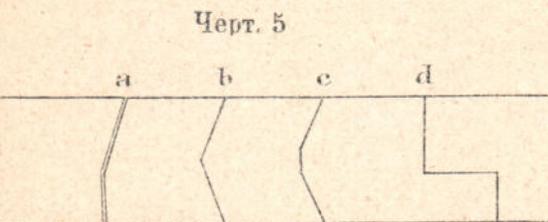
Черт. 3 в.



Черт. 6.

Черт. 10.

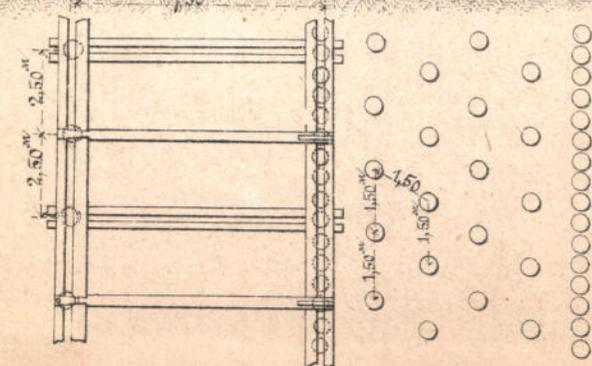
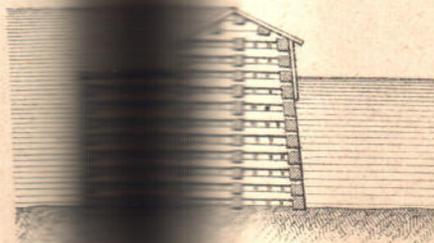
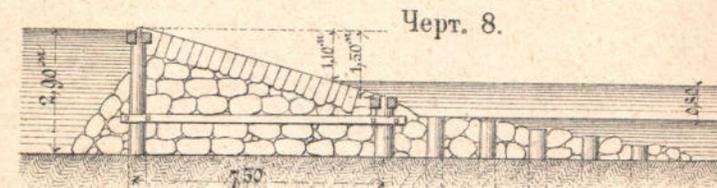
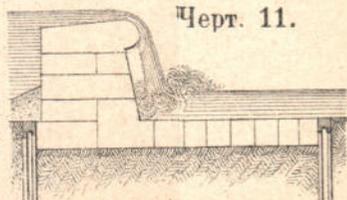
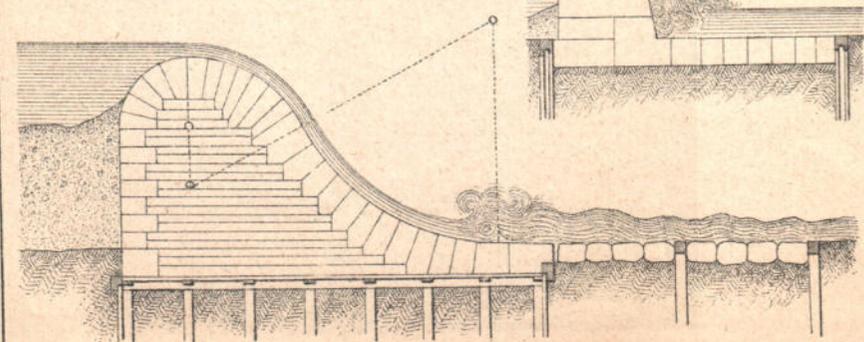
Черт. 7.

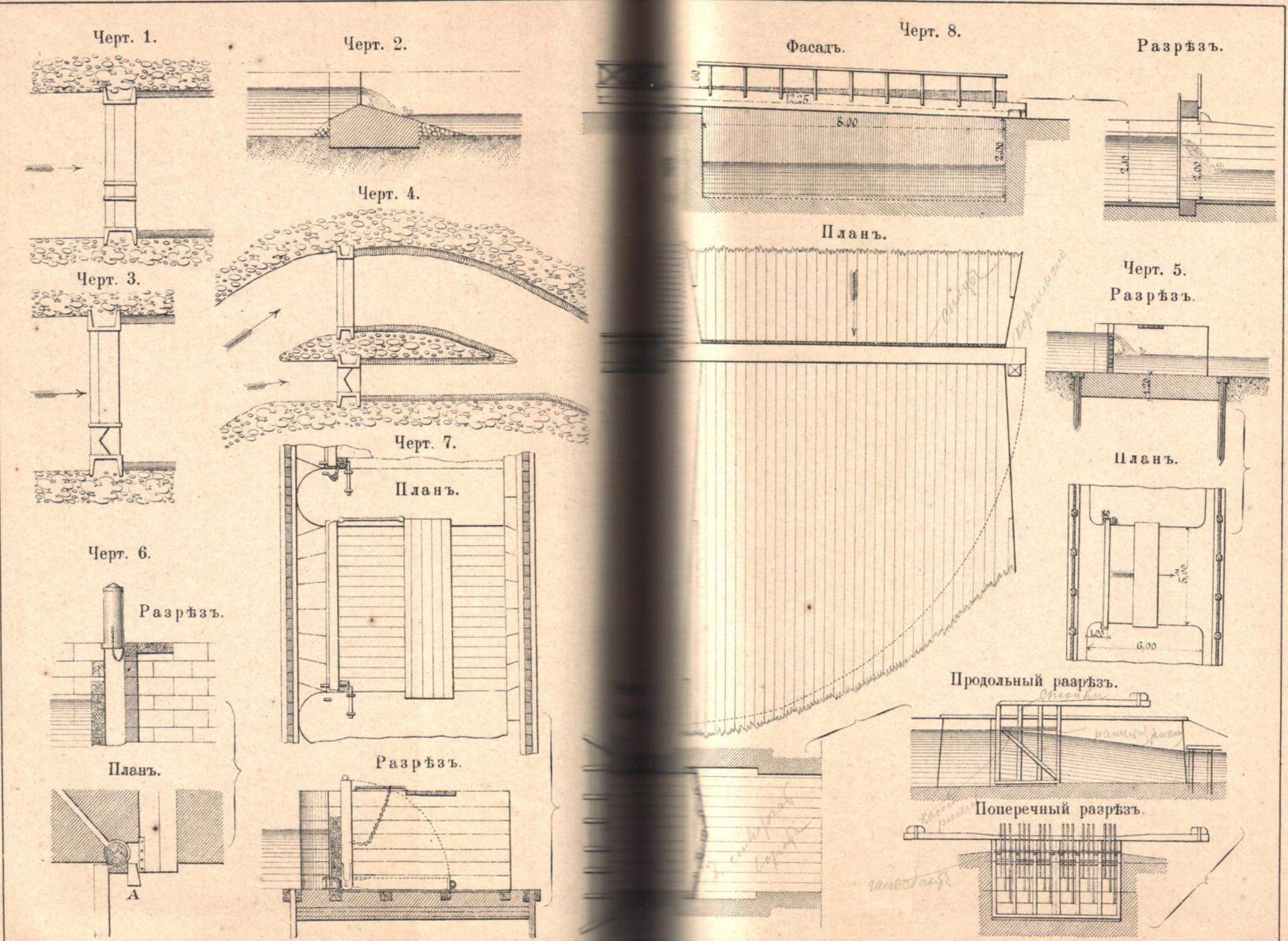


Черт. 12.

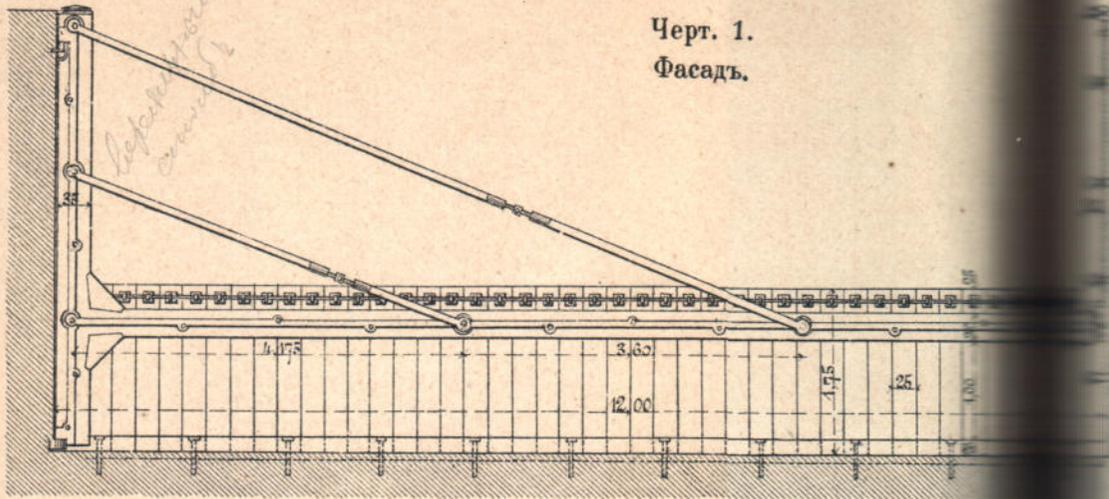
Черт. 11.

Черт. 8.

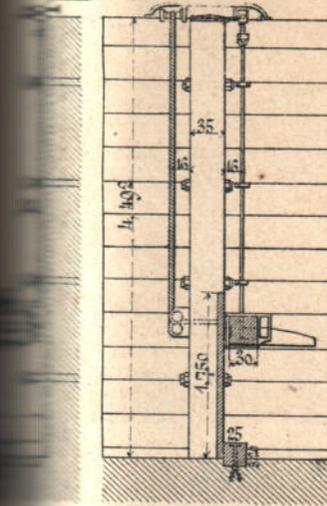




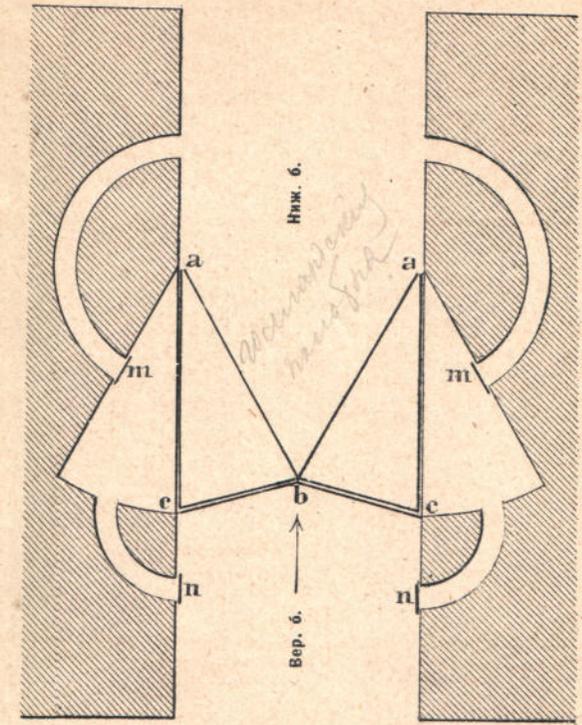
Черт. 1.
Фасадъ.



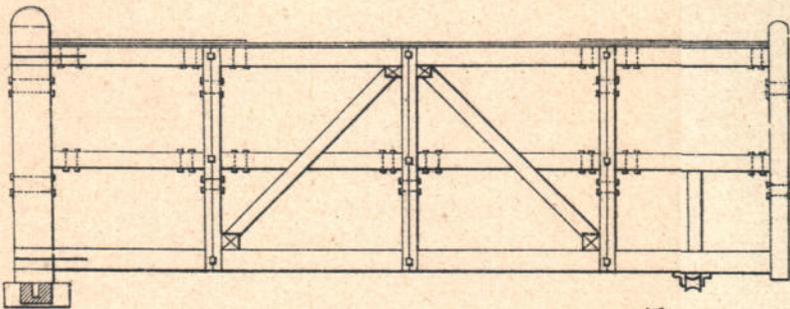
Разрѣзъ.



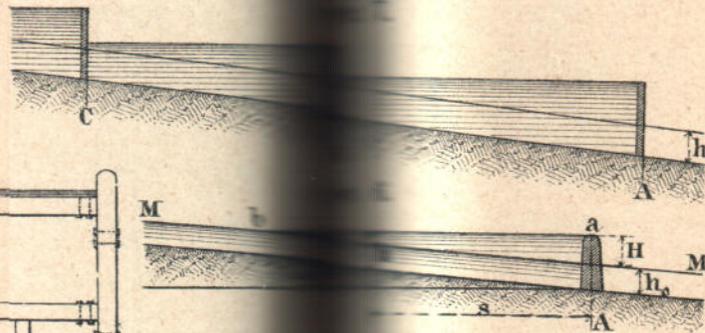
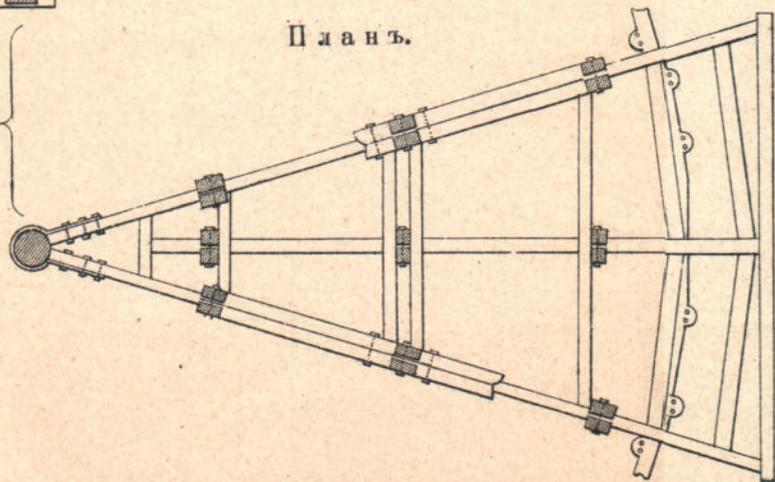
Черт. 2.



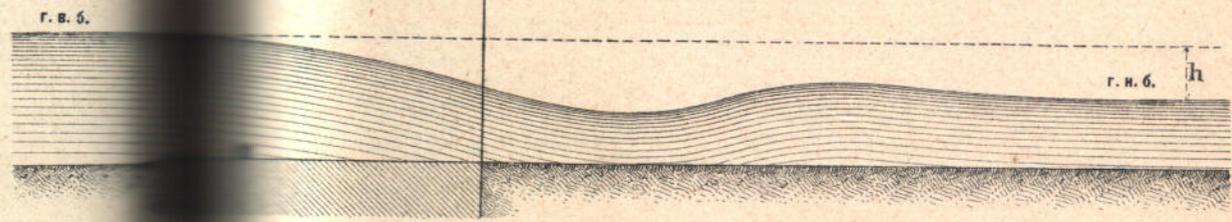
Черт. 3.
Фасадъ.



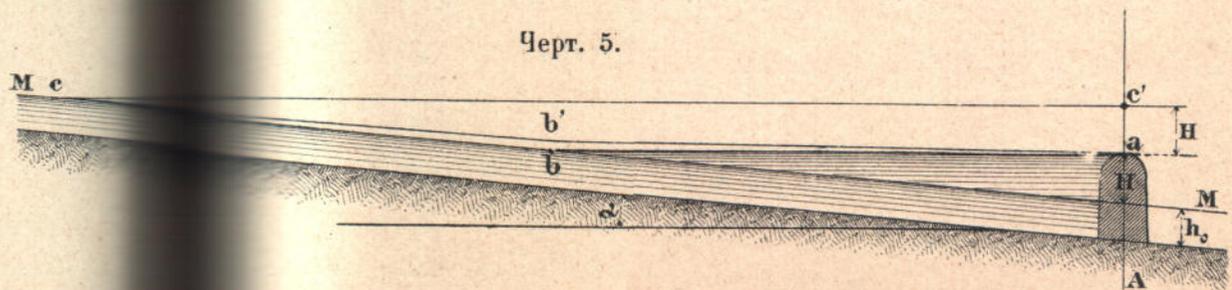
Планъ.



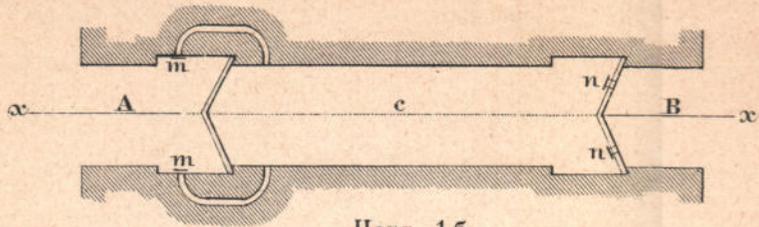
Черт. 4.



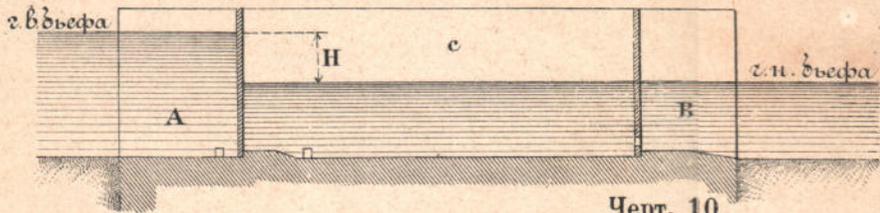
Черт. 5.



Черт. 1 а.
Схема плана.

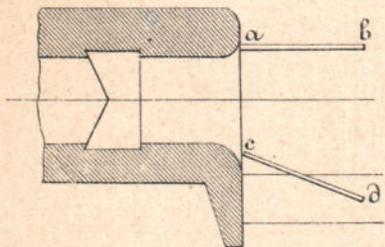


Черт. 1 б.
Схема разреза по осей xx



Черт. 10.

Черт. 8.



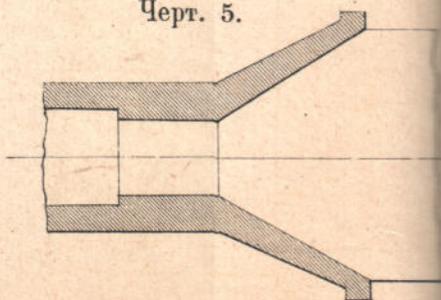
Черт. 11 а.



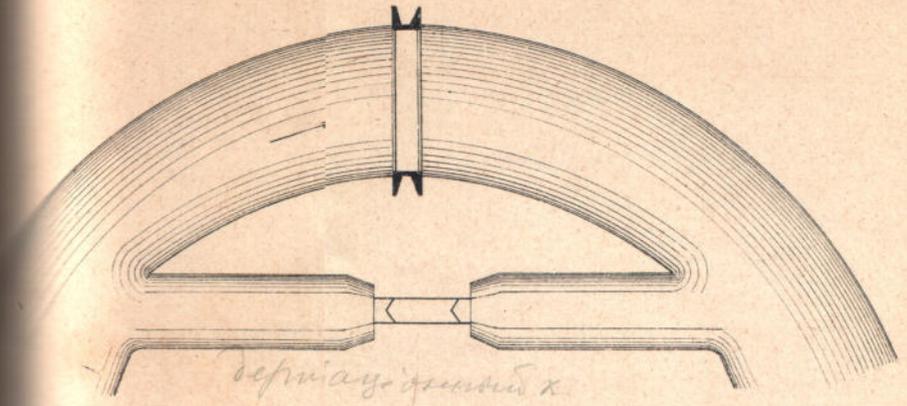
Черт. 11 б.



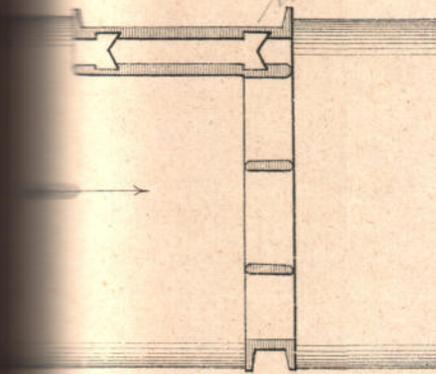
Черт. 5.



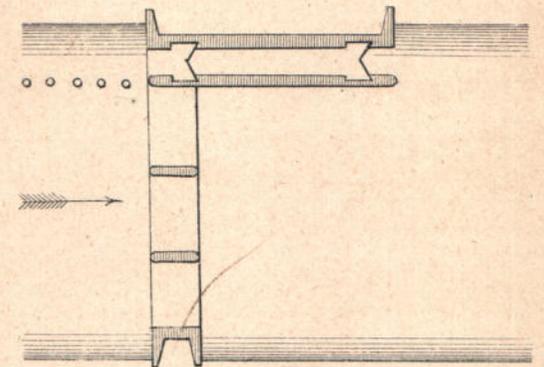
Черт. 2



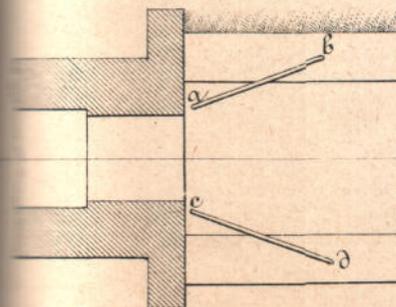
Черт. 3.



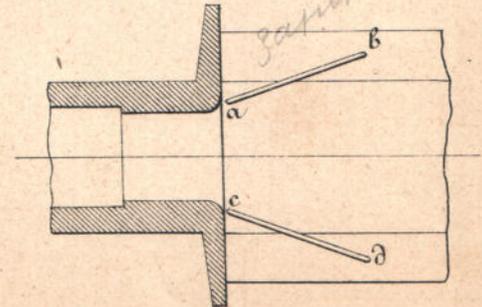
Черт. 4.



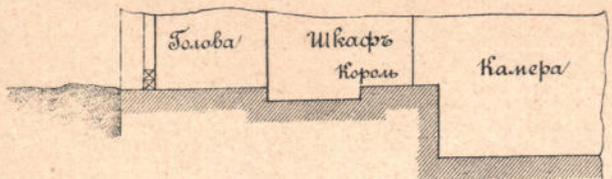
Черт. 6.



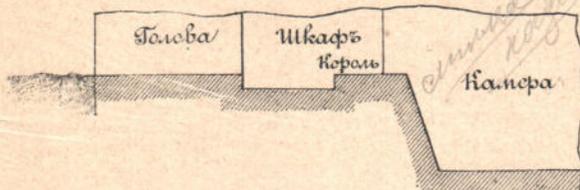
Черт. 7.



Черт. 1.



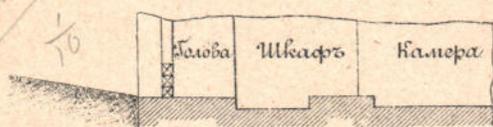
Черт. 2.



Черт. 3.



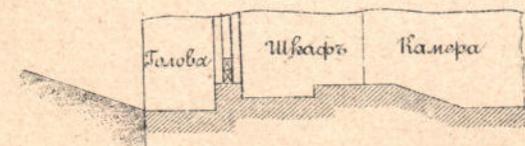
Черт. 4 а.



Черт. 4 б.



Черт. 4 в.



Черт. 7



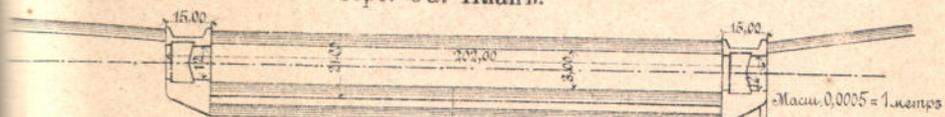
Черт. 8



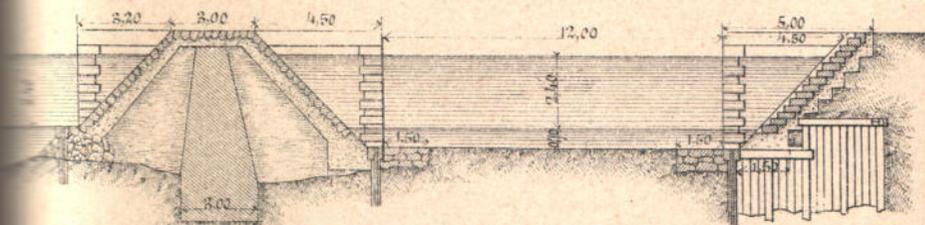
Черт. 5



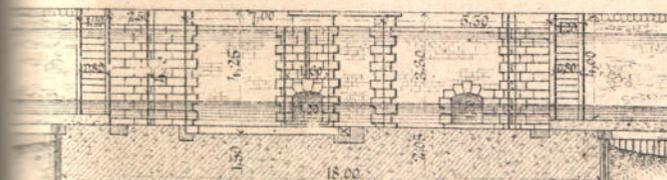
Черт. 6 а. Планъ.



Черт. 6 б. Поперечный разръзъ по камерѣ.

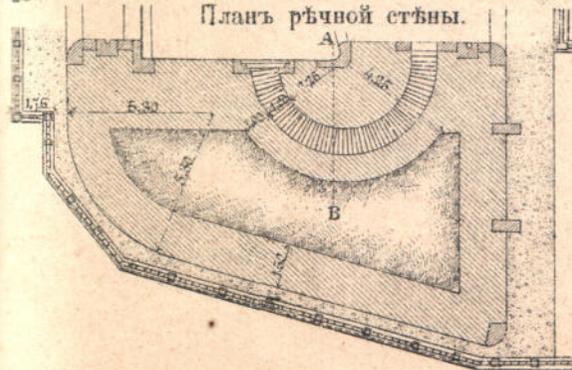


Черт. 6 в. Прод. разръзъ верхней шлюзн. части

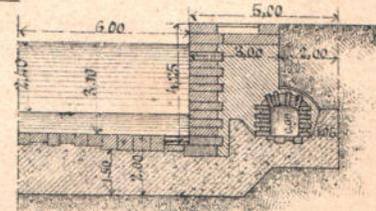


Черт. 6 г

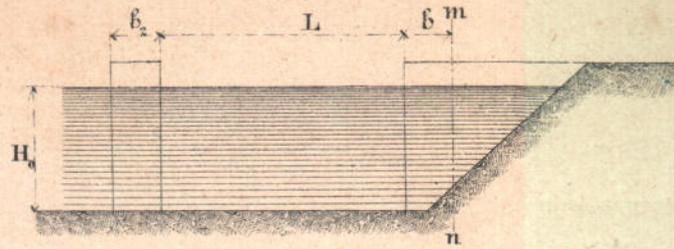
Планъ рѣчной стѣны.



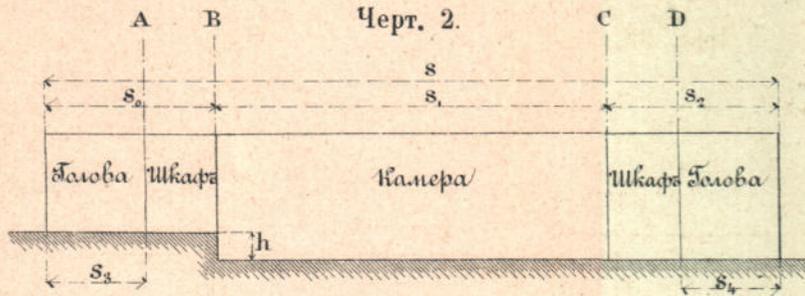
Черт. 6 д. Разръзъ по АВ.



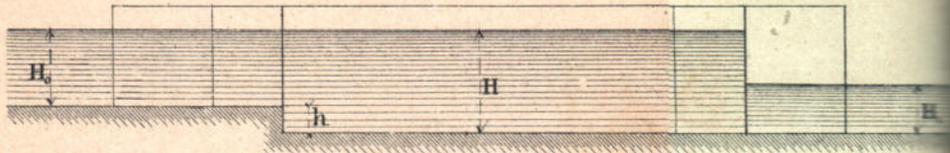
Черт. 1.



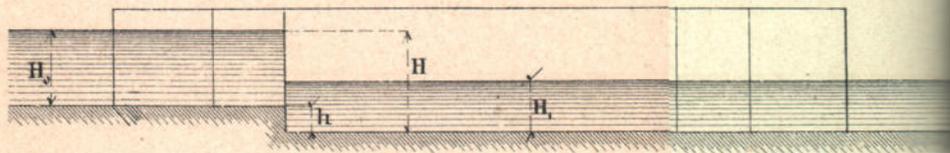
Черт. 2.



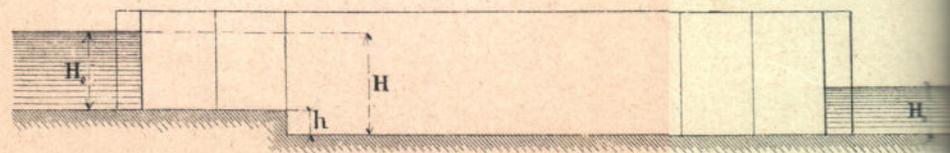
Черт. 3.



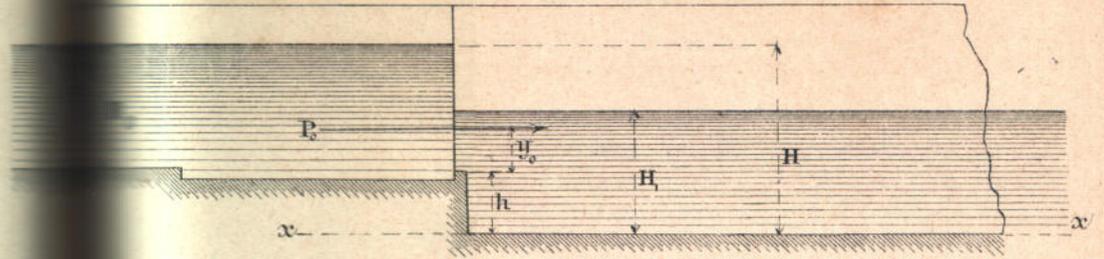
Черт. 4.



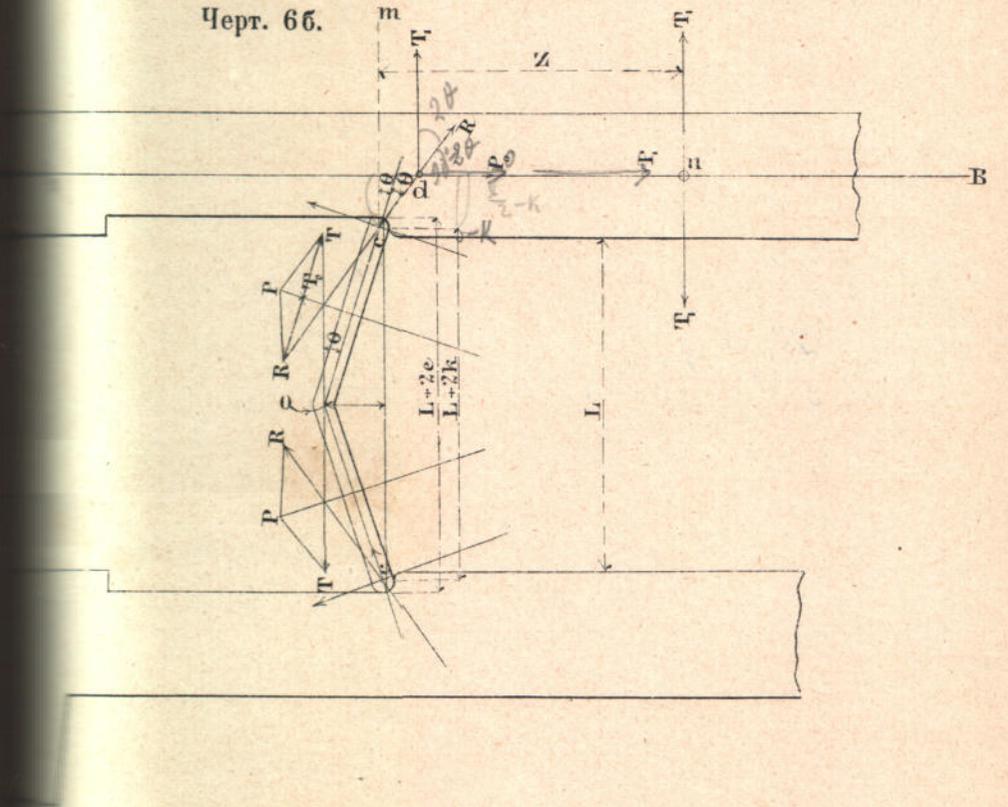
Черт. 5.



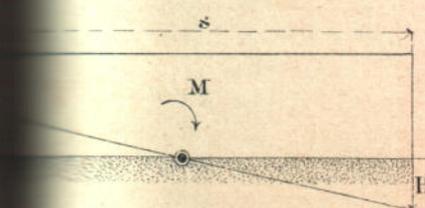
Черт. 6 а



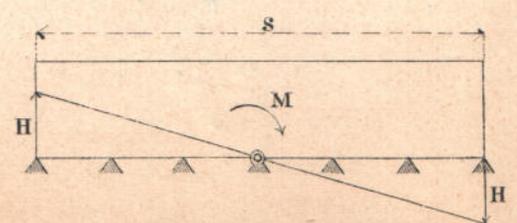
Черт. 6 б.



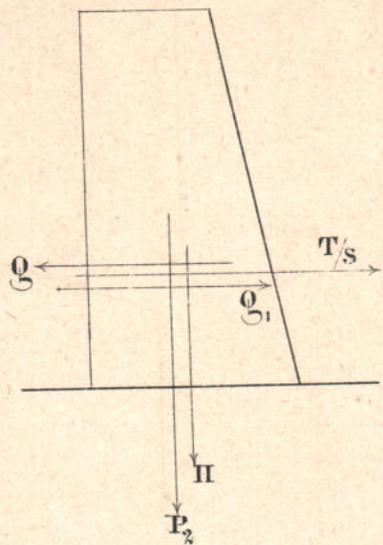
Черт. 7 а.



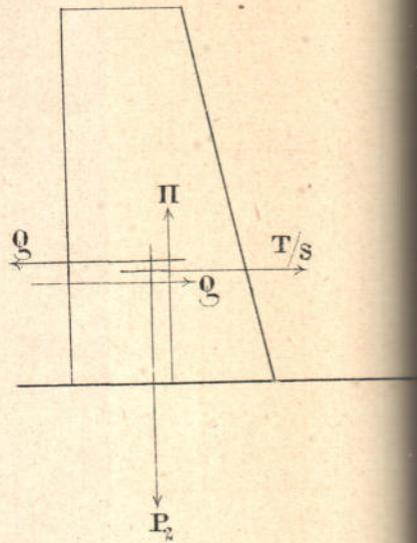
Черт. 7 б.



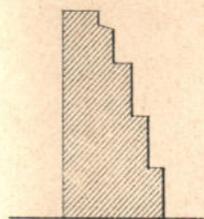
Черт. 1 а.



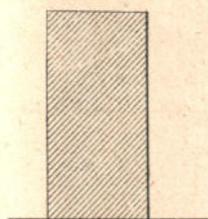
Черт. 1 б.



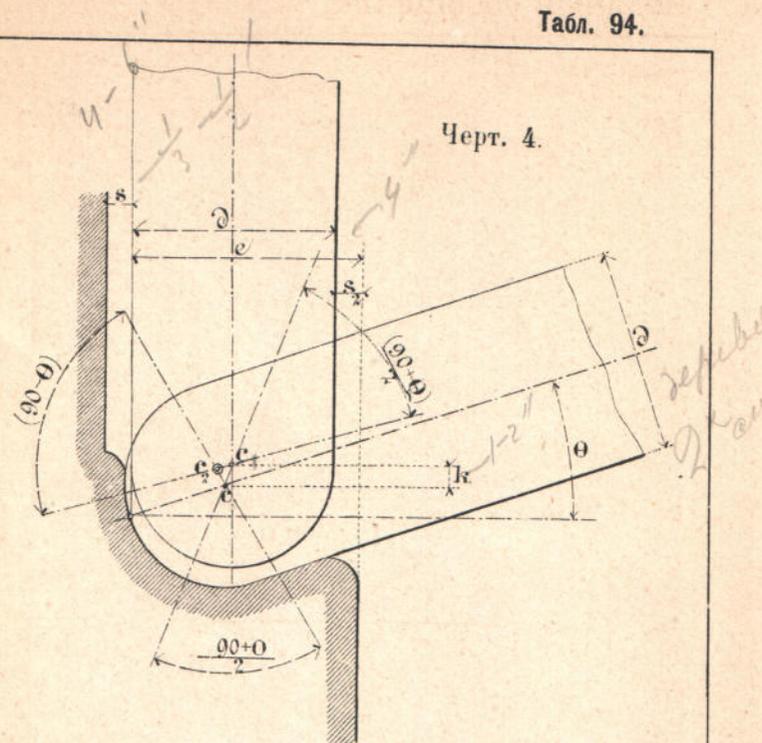
Черт. 2.



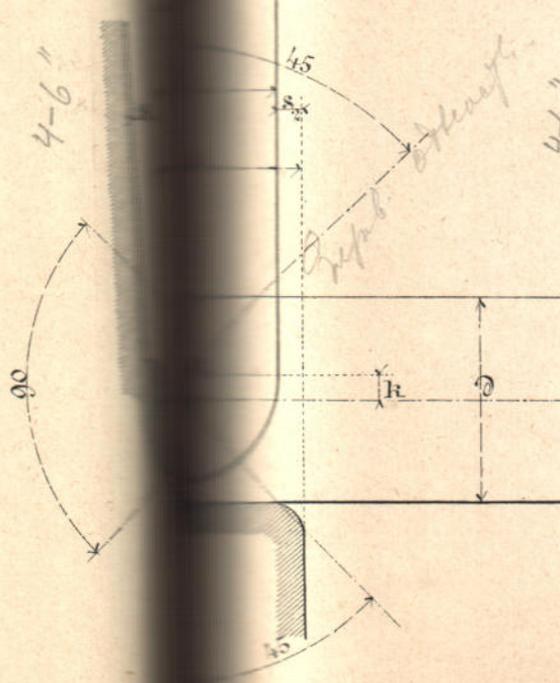
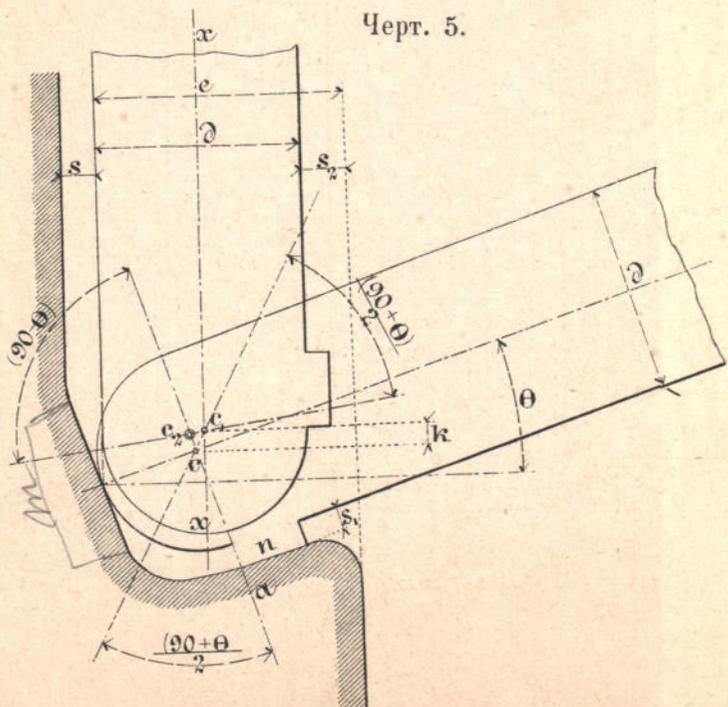
Черт. 3.



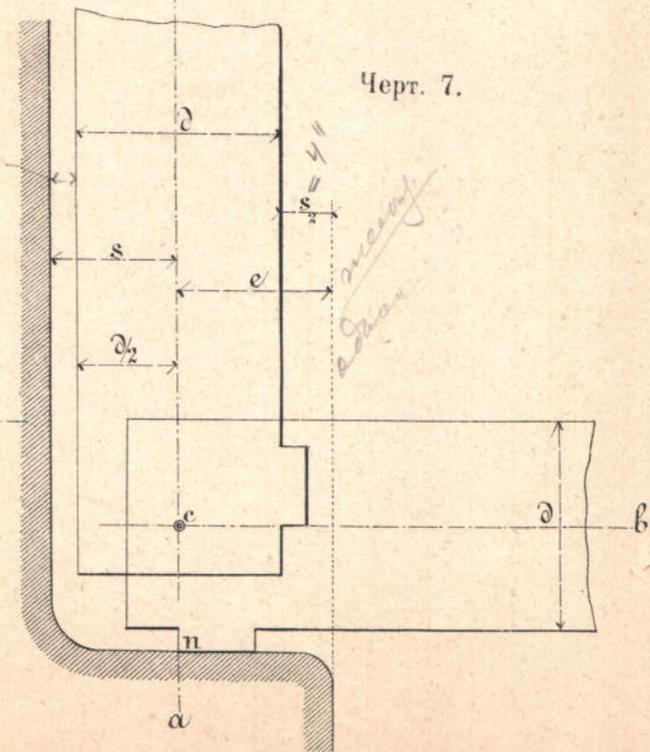
Черт. 4.



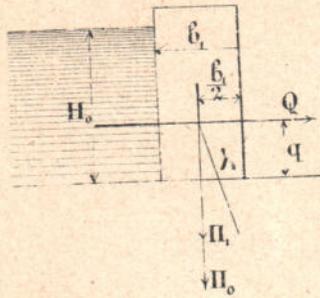
Черт. 5.



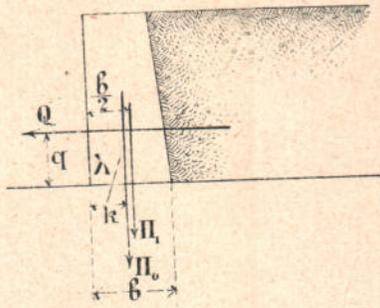
Черт. 7.



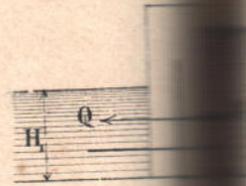
Черт. 2 а.



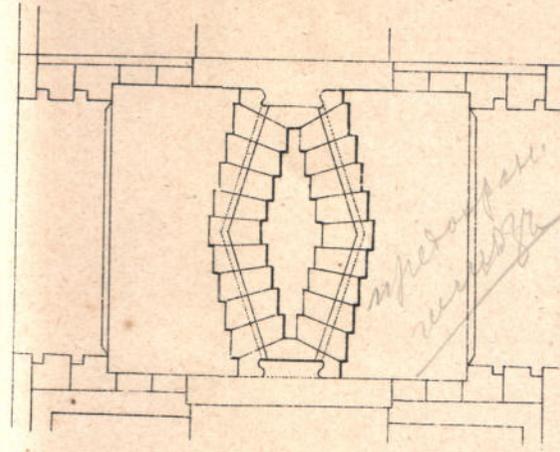
Черт. 2 в.



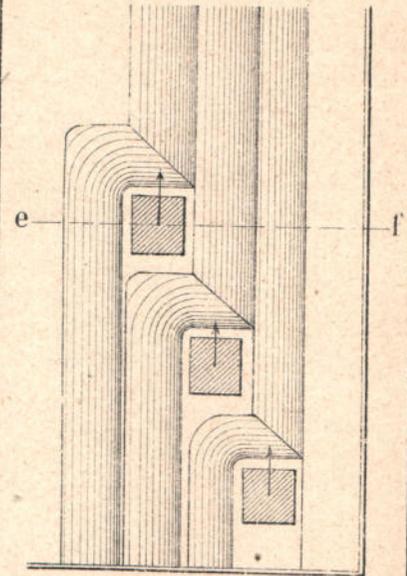
Черт. 2 г.



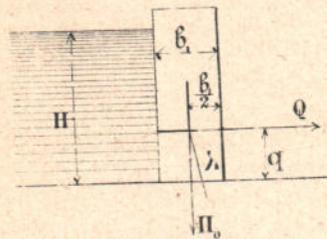
Черт. 1.



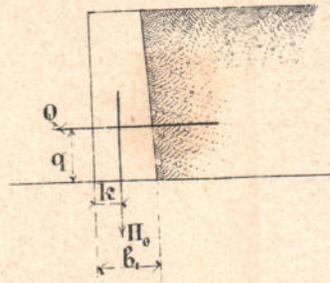
Черт. 6 А.



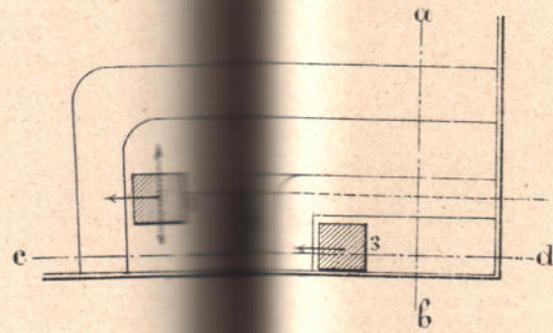
Черт. 3 а.



Черт. 3 б.

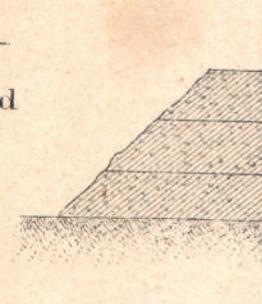


3 А.



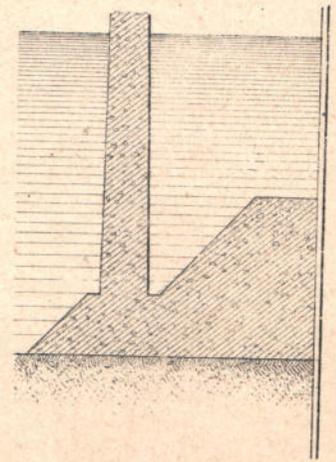
Черт. 5 В.

Разрѣзъ по а в.

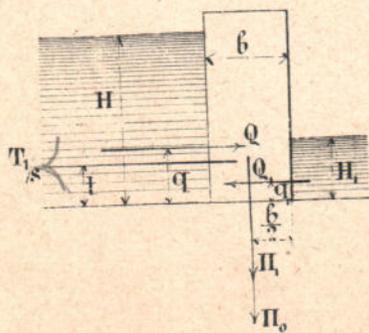


Черт. 6 В.

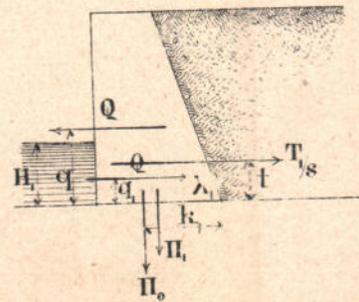
Разрѣзъ по е ф.



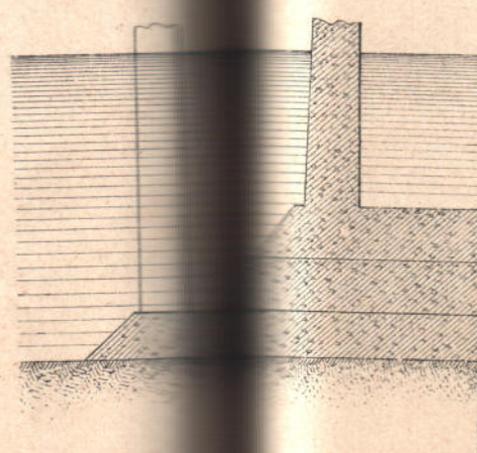
Черт. 4 а.



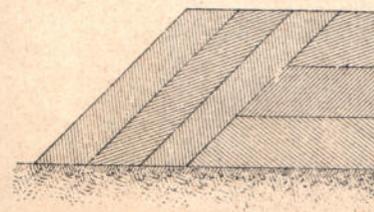
Черт. 4 б.



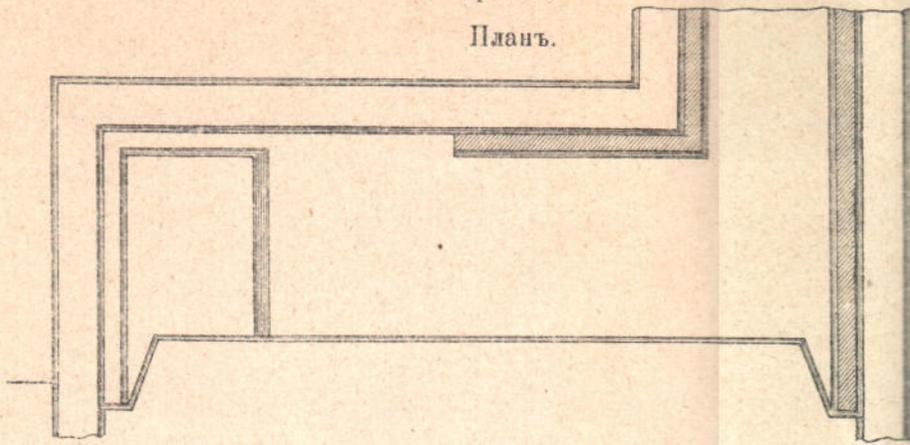
4 б.



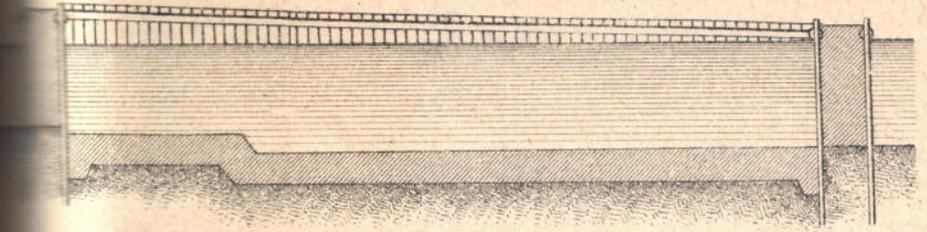
Черт. 7.



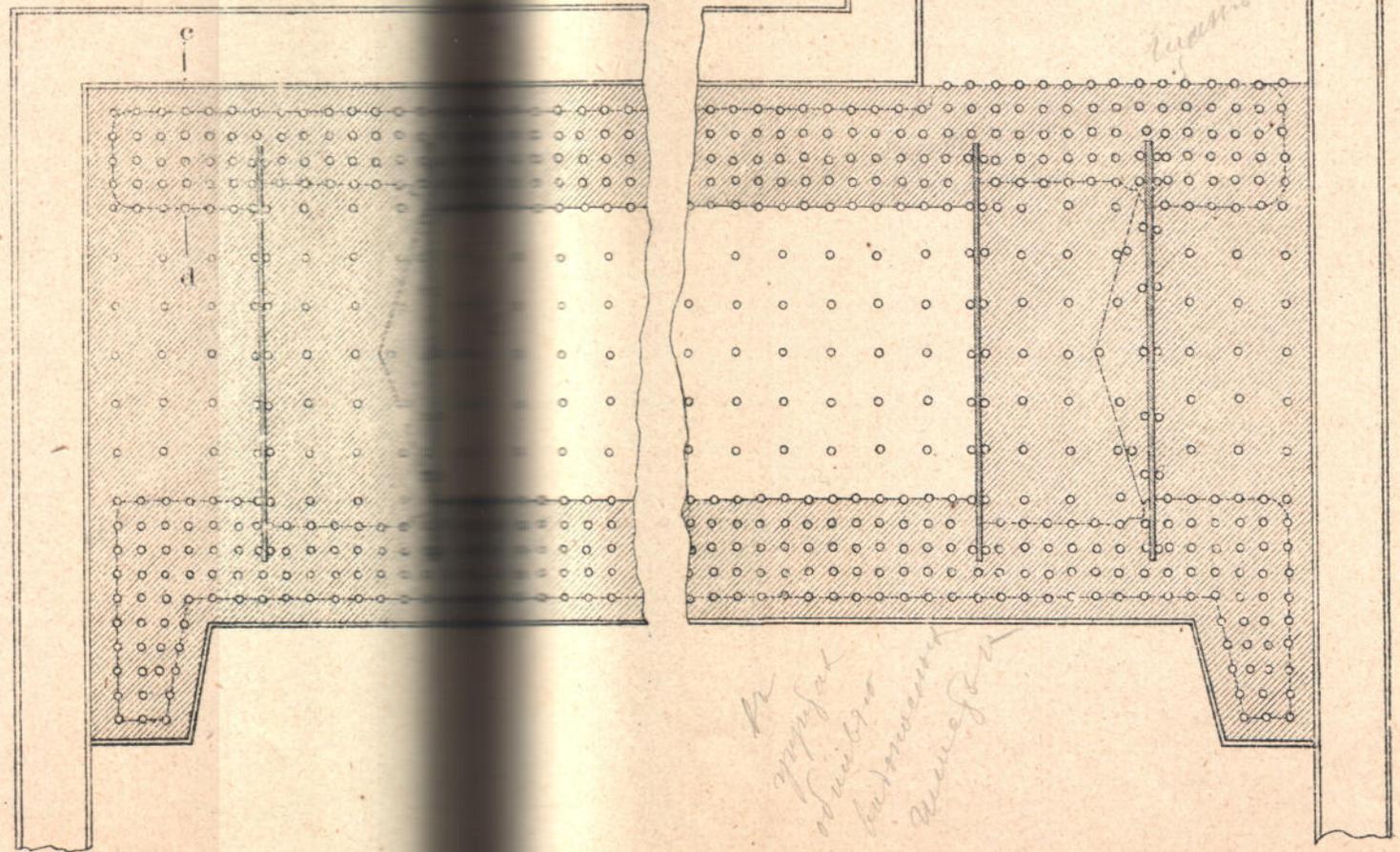
Черт. 1 а.
Планъ.



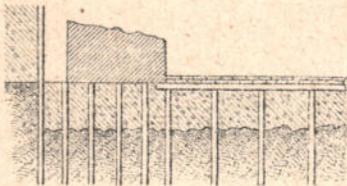
Черт. 1 б.
Продольный разръзъ.



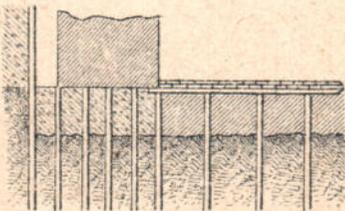
Черт. 2 а.
Планъ



Черт. 2 б.
Разръзъ по сд.



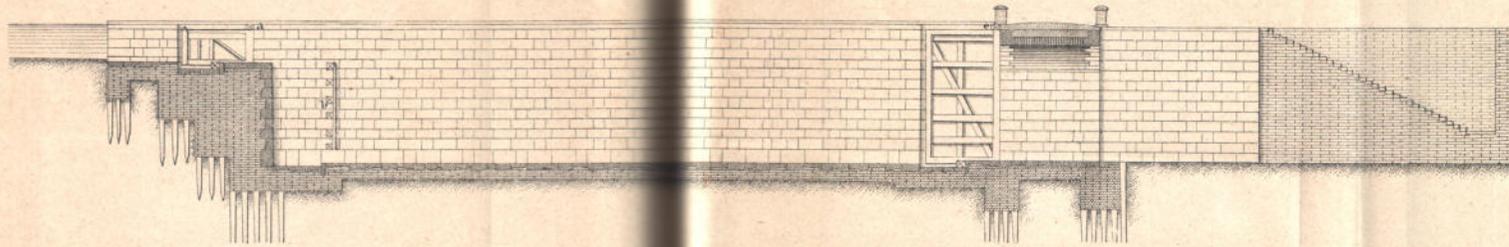
Черт. 2 в.
Разръзъ по еф.



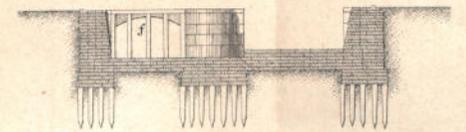
Handwritten notes in Russian:
в
устройство
объёмов
подтопит
шлюза

Типъ шлюза на Павійскомъ каналѣ.

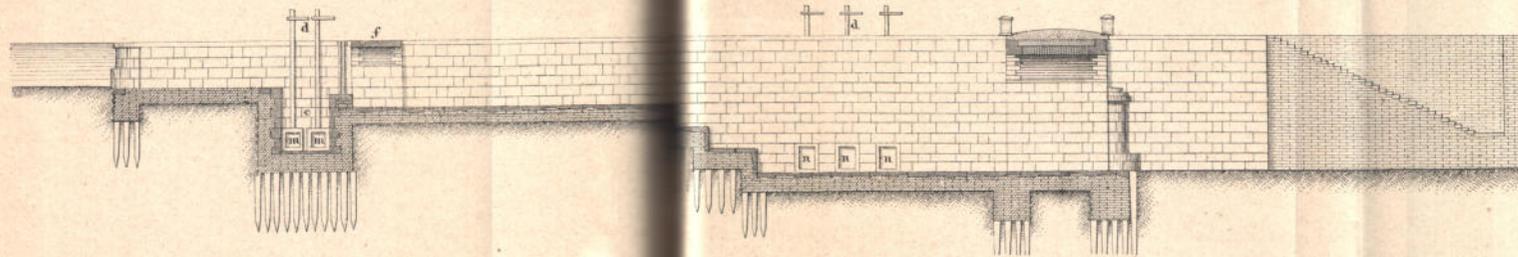
Продольный разрезъ по линіи АВ.



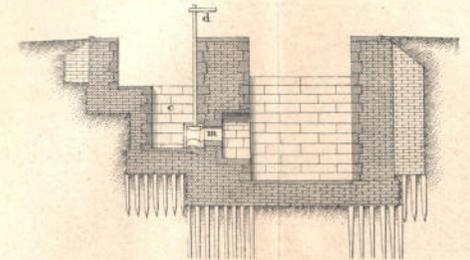
Поперечный разрезъ по линіи EF.



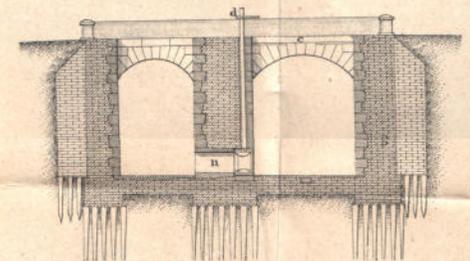
Продольный разрезъ по линіи CD.



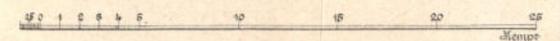
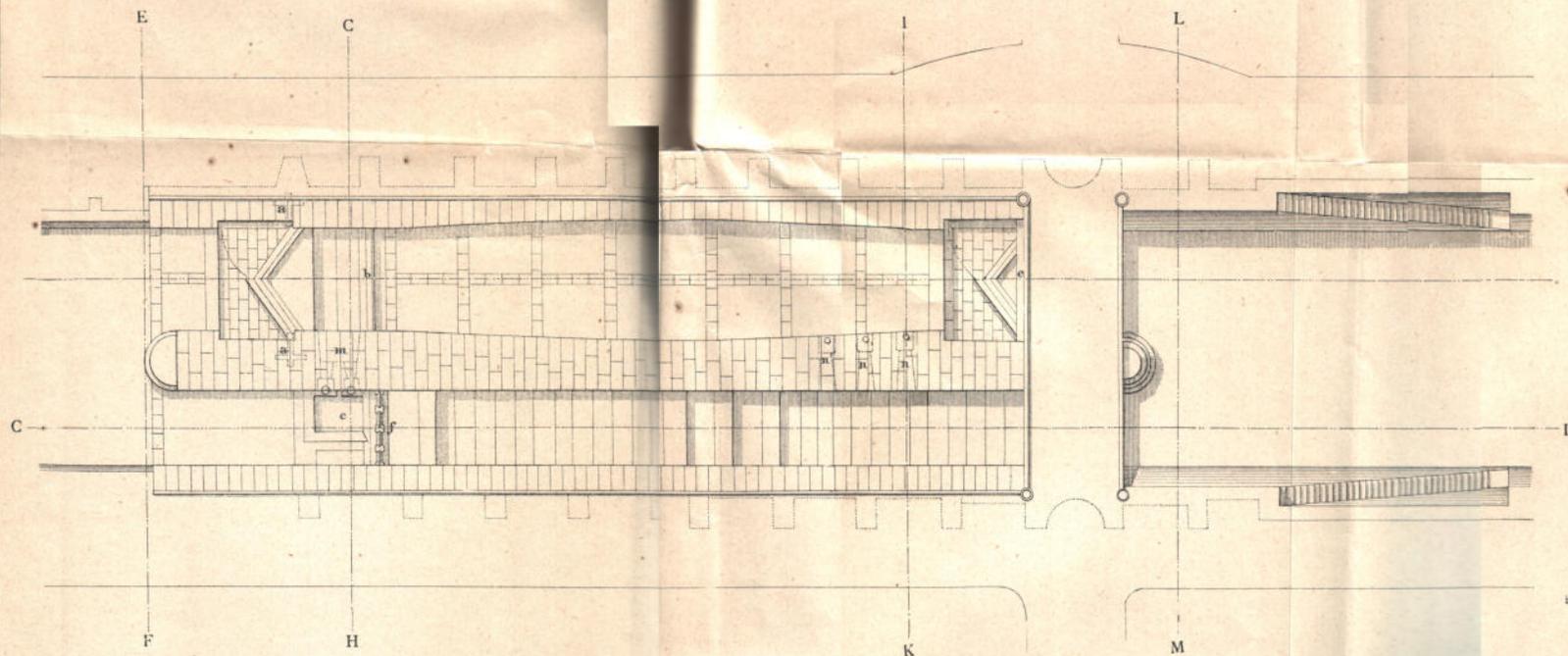
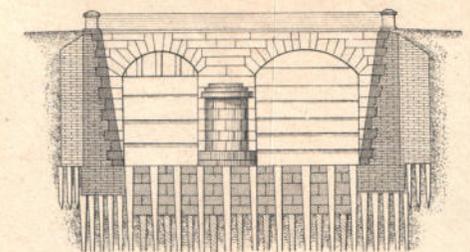
Поперечный разрезъ по линіи СН.



Поперечный разрезъ по линіи IK.

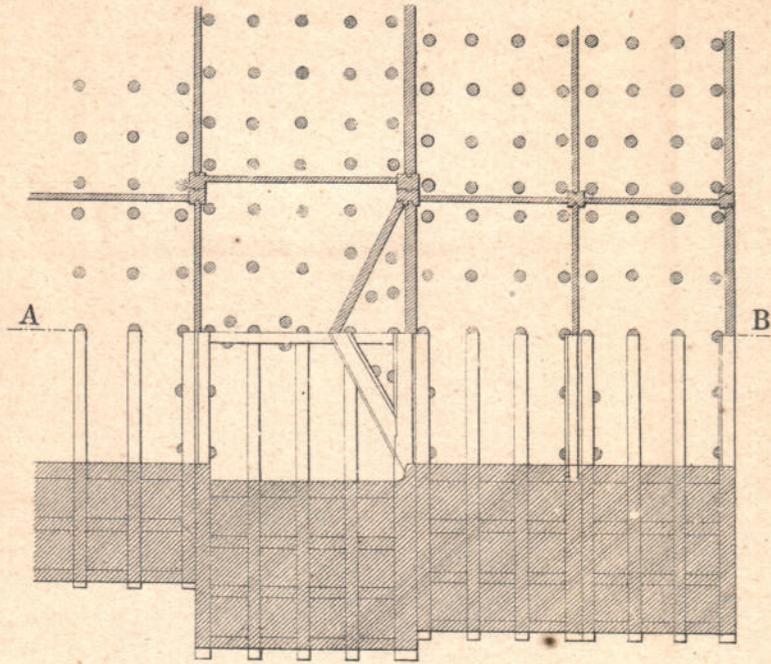


Поперечный разрезъ по линіи LM.



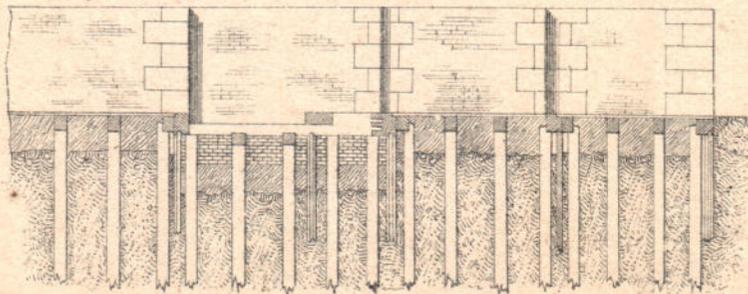
Черт 1а.

Планъ.

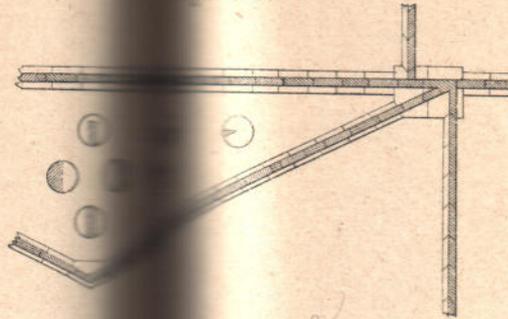


Черт. 1б.

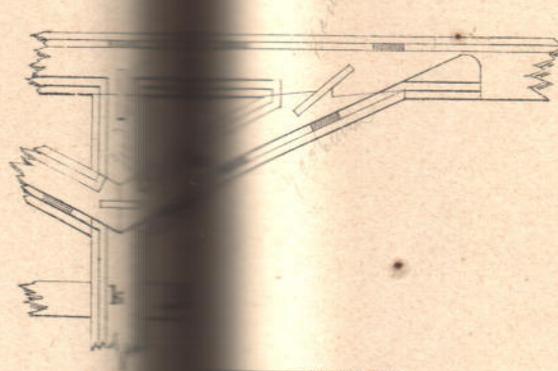
Разрѣзь по А В.



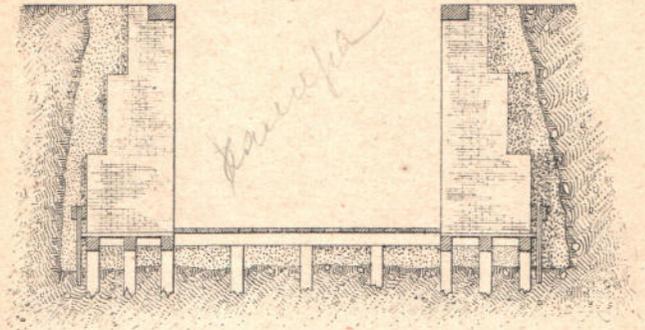
Черт. 1в.



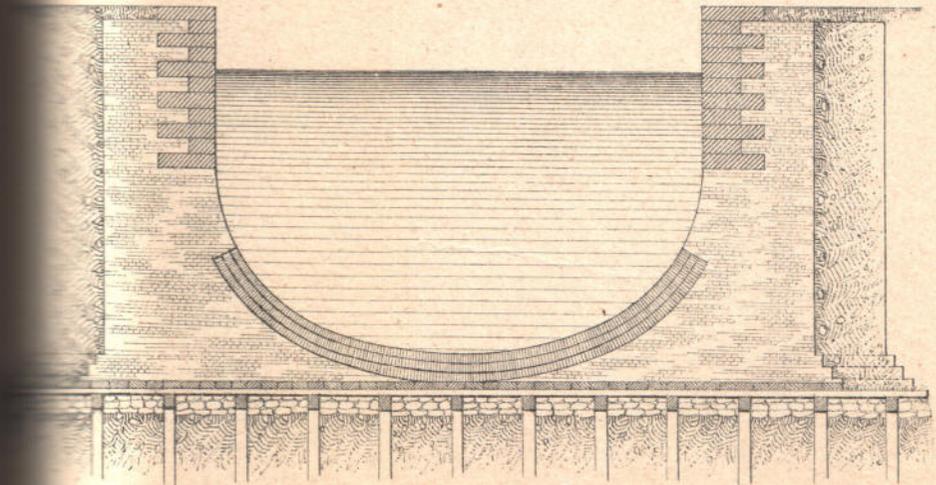
Черт. 1г.



Черт. 3.

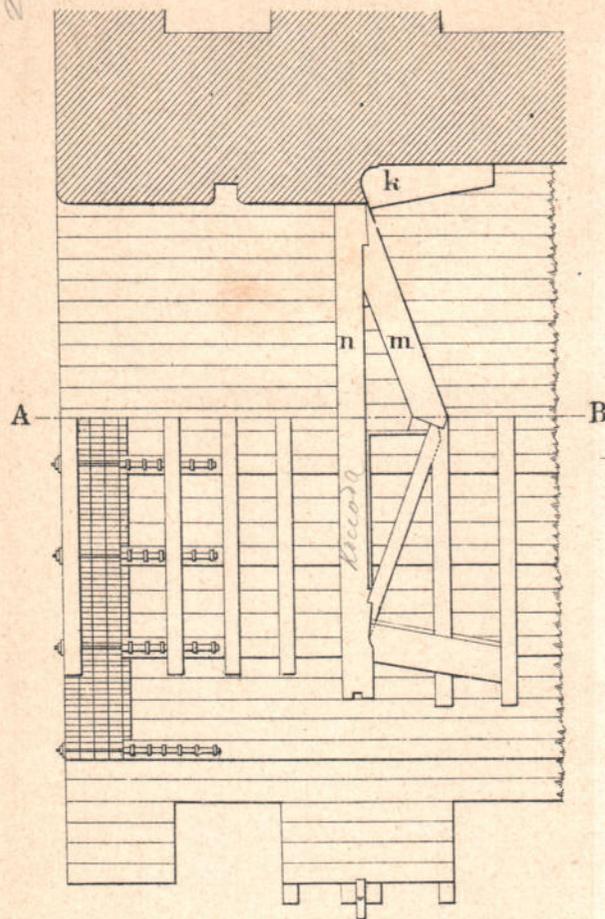


Черт. 2.

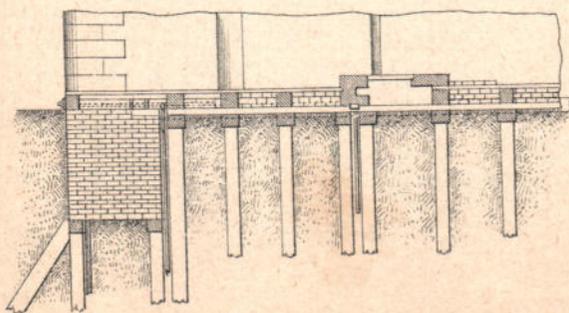


Черт. 1а.

Планъ.

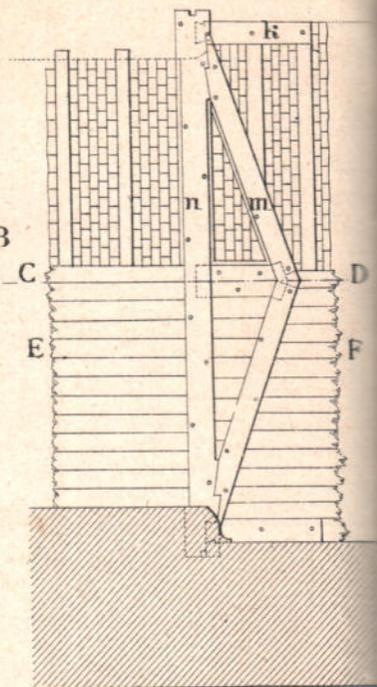


Черт. 1б.
Разрѣзь по АВ.

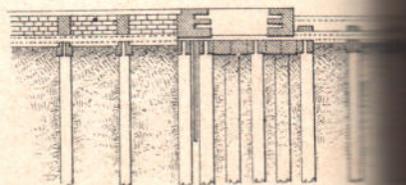


Черт. 2а.

Планъ.

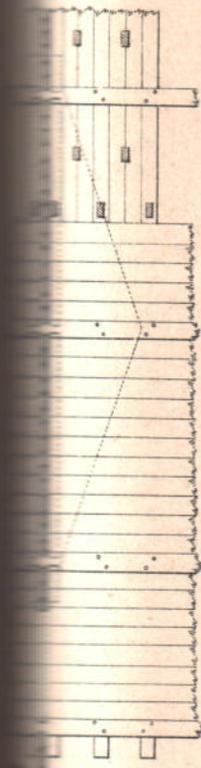


Черт. 2г.
Разрѣзь по СД.

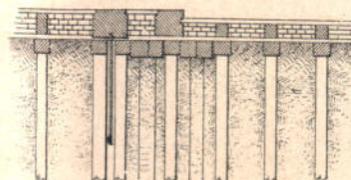


Черт. 2б.

Планъ.

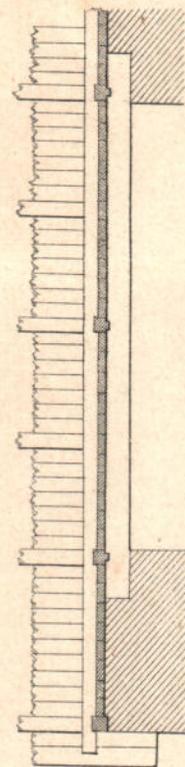


Черт. 2д.
Разрѣзь по ЕФ.

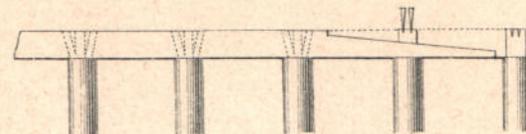


Черт. 2в.

Разрѣзь по АВ.

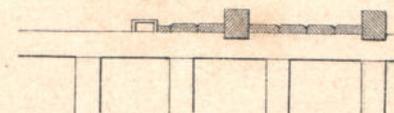


Черт. 3.

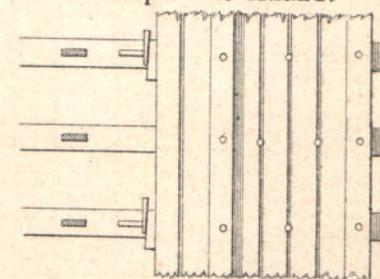


Черт. 4а.

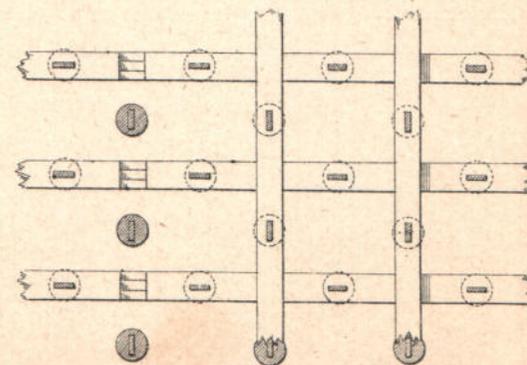
Разрѣзь.



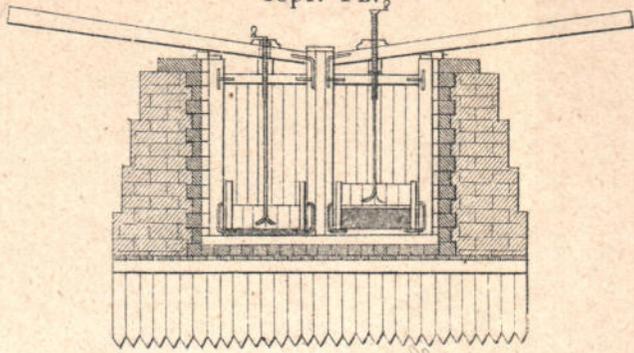
Черт. 4б. Планъ.



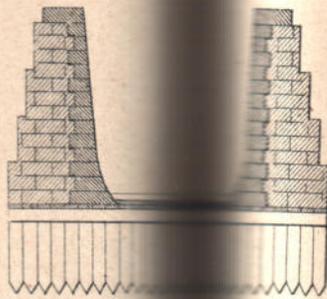
Черт. 5.



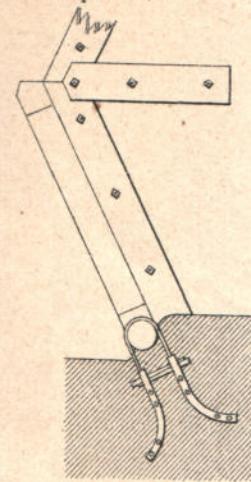
Поперечный разръзъ по А В.
Черт. 1 в.



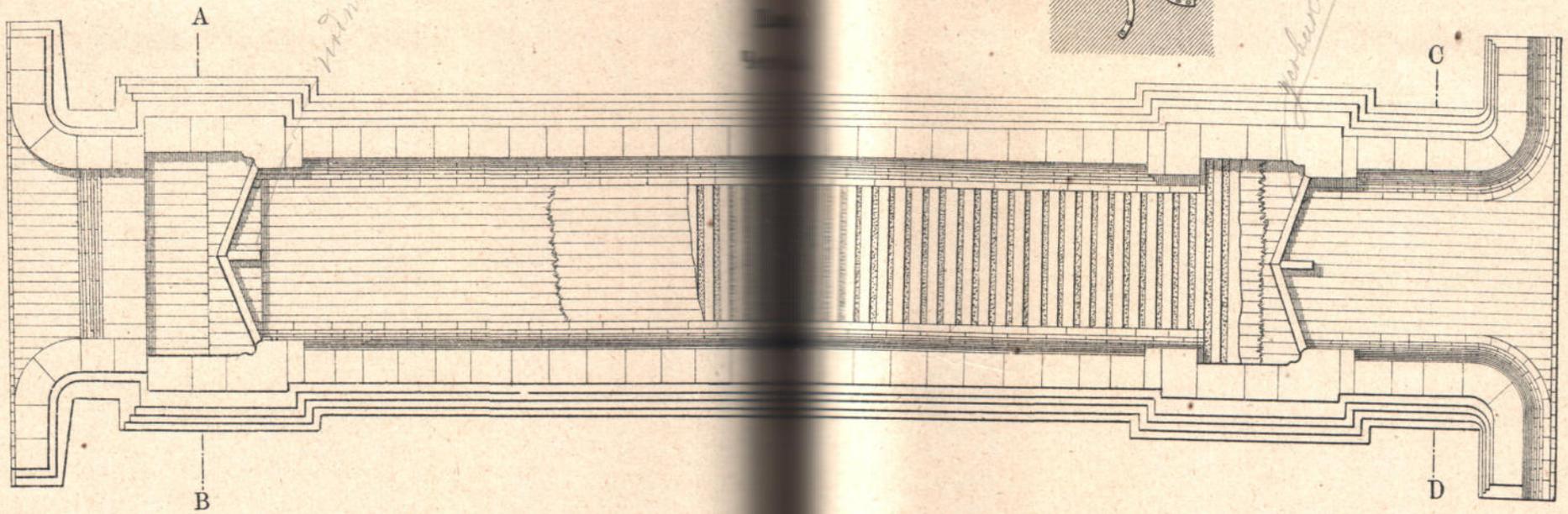
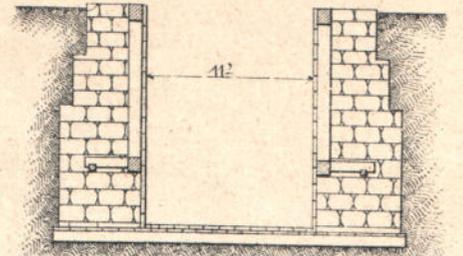
Разръзъ по С Д.



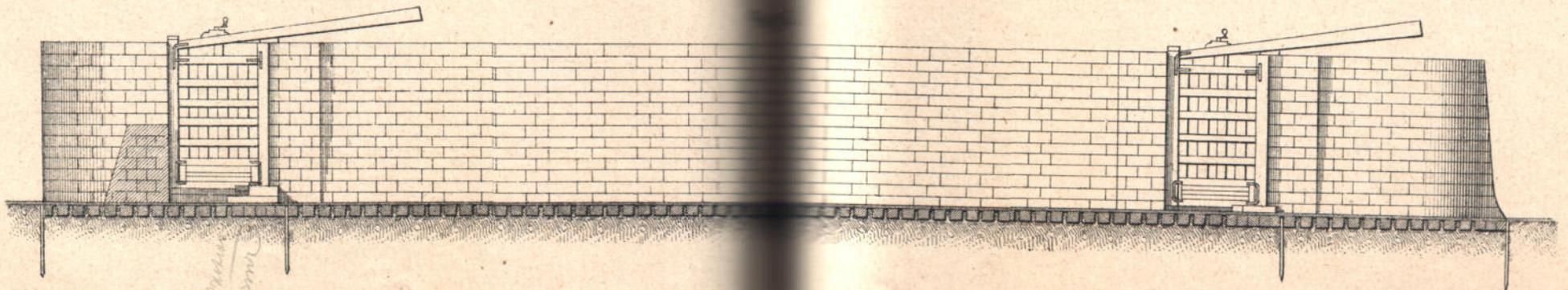
Черт. 1 д.



Черт. 2.

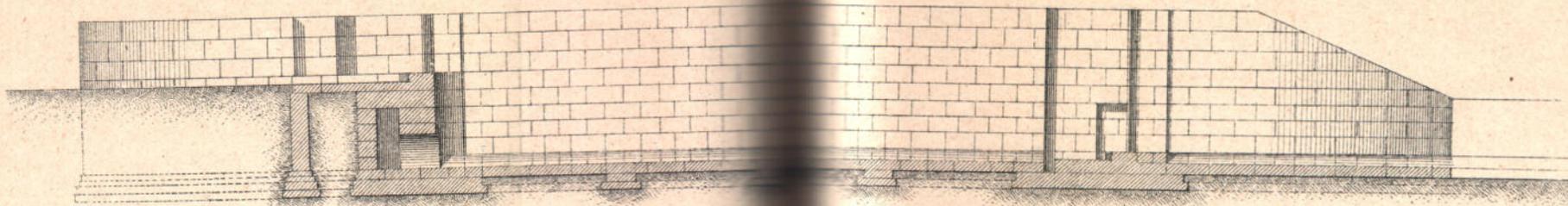


Продольный разръзъ.

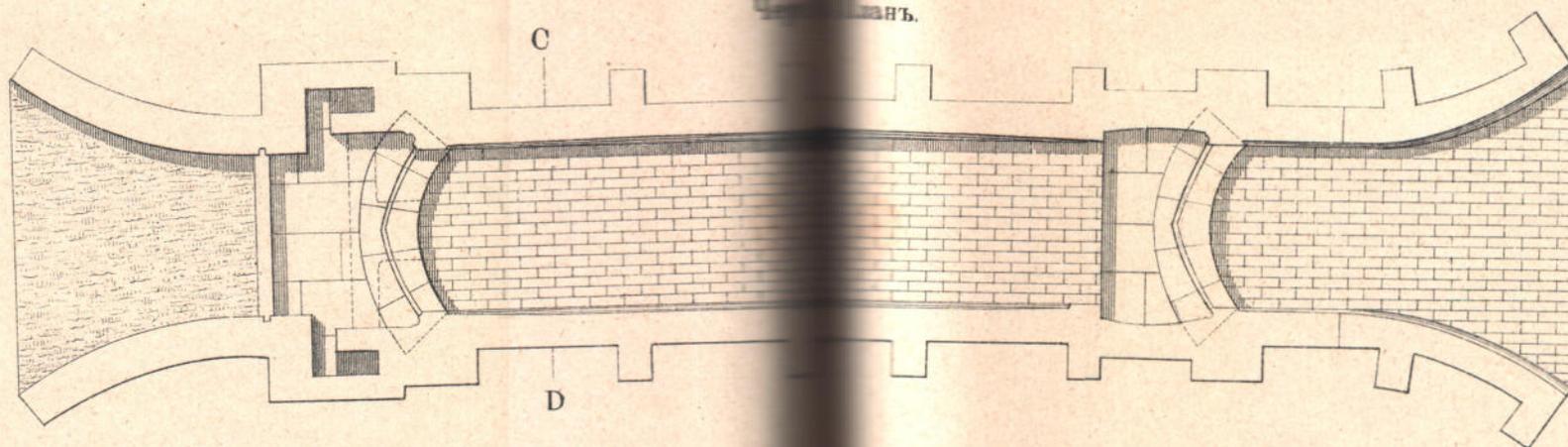


10 5 0 40 20 50 60 70 80 фут.

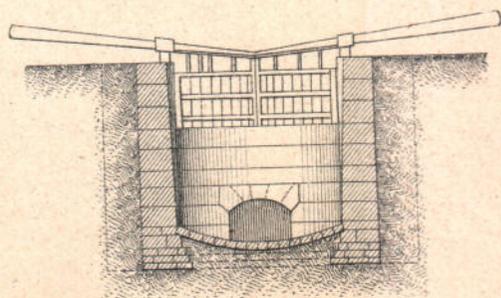
Черт. 1а.
Продольный разрез.



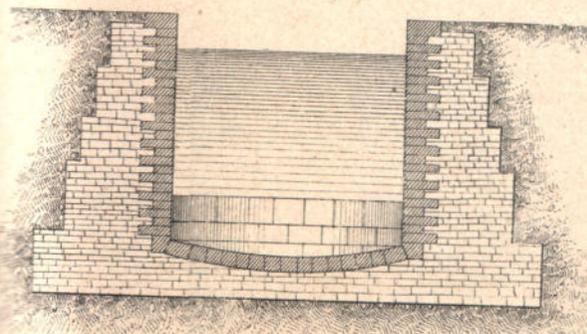
Черт. 1б.



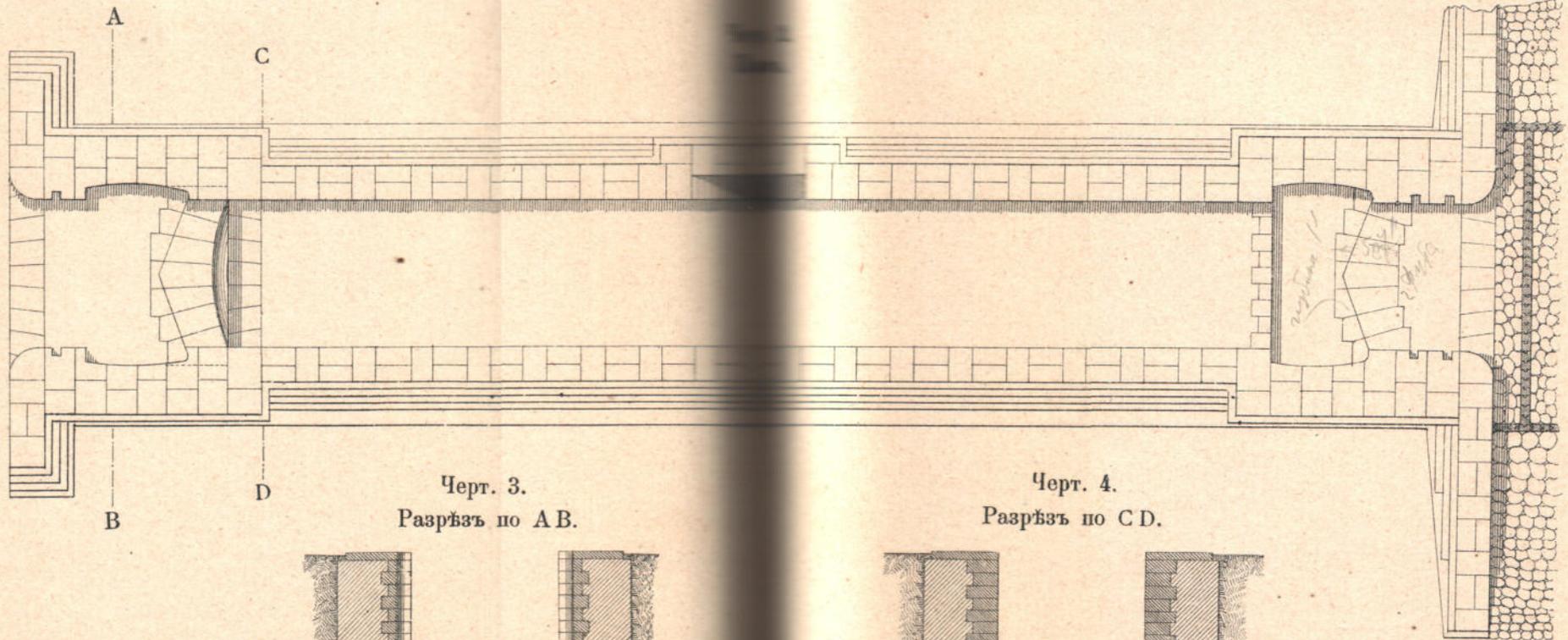
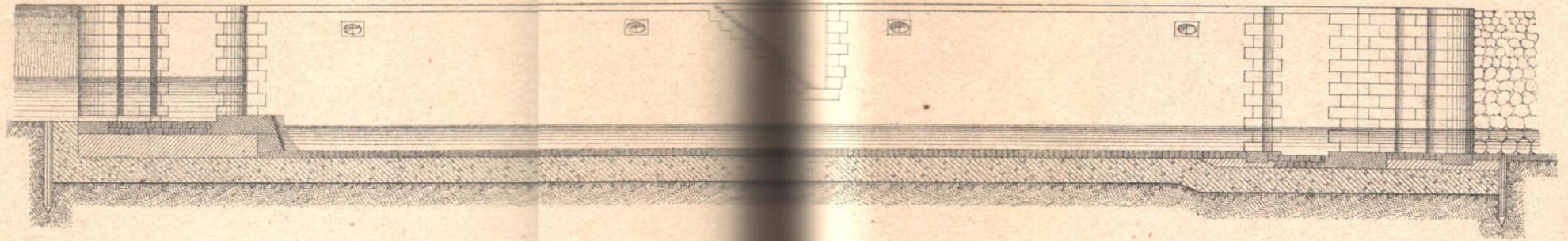
Черт. 1в.
Разрѣзь по С D.



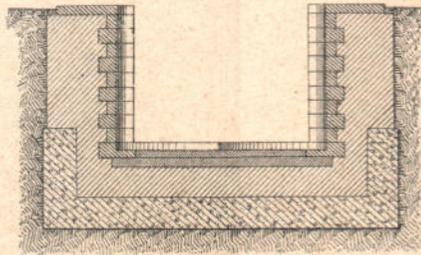
Черт. 2.



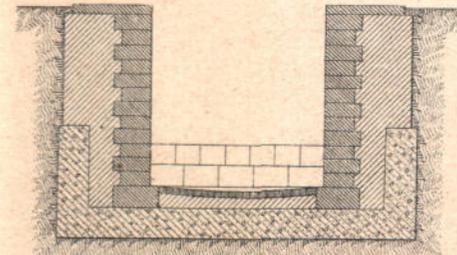
Продольный разрезъ.



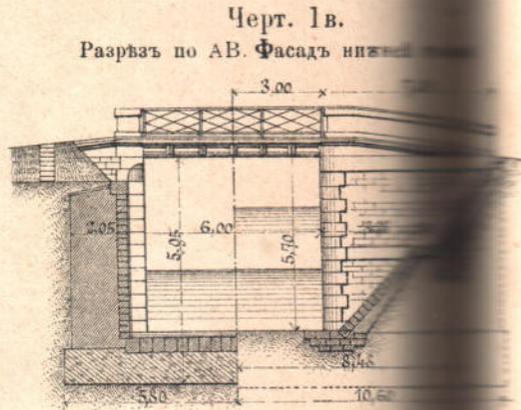
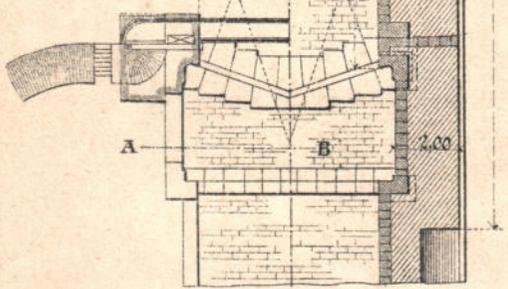
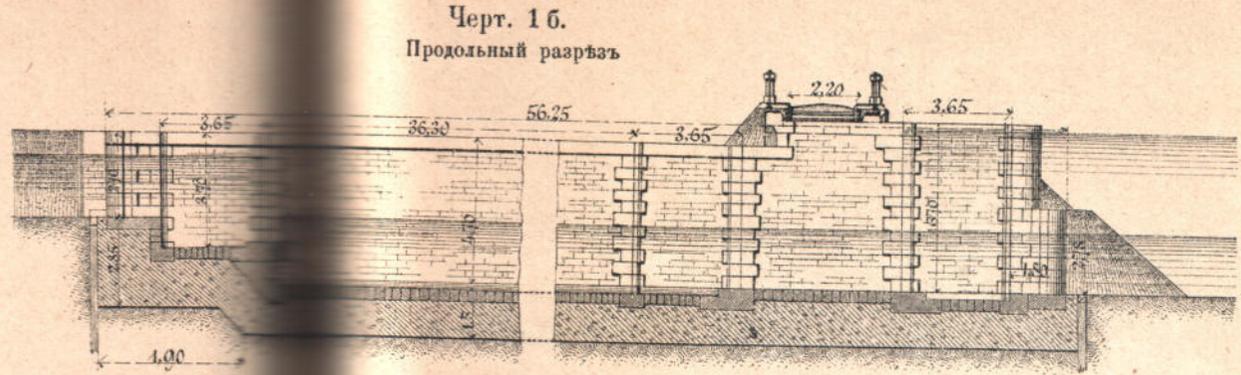
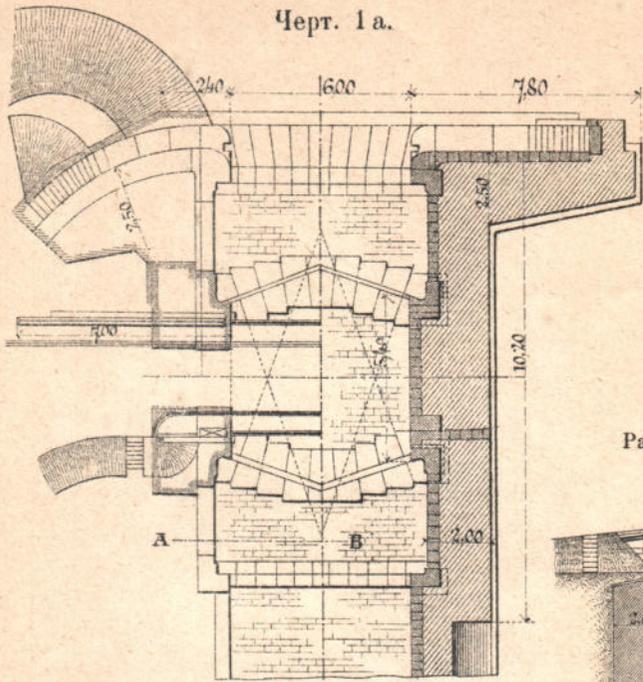
Черт. 3.
Разрѣзъ по А В.



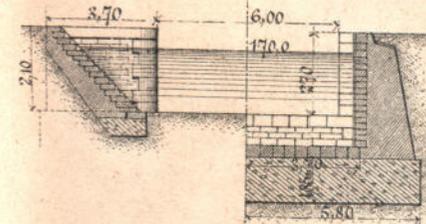
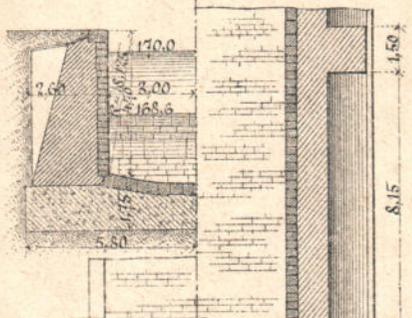
Черт. 4.
Разрѣзъ по С D.



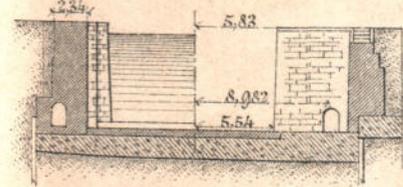
10 5 0 10 20 30 40 50 60 70 80 90 100 футов.



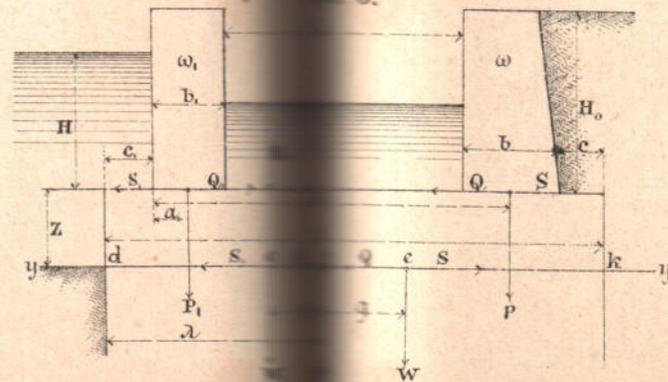
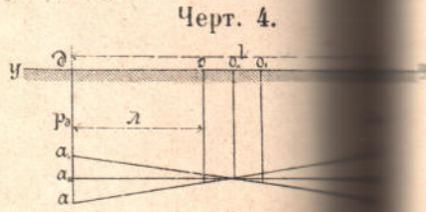
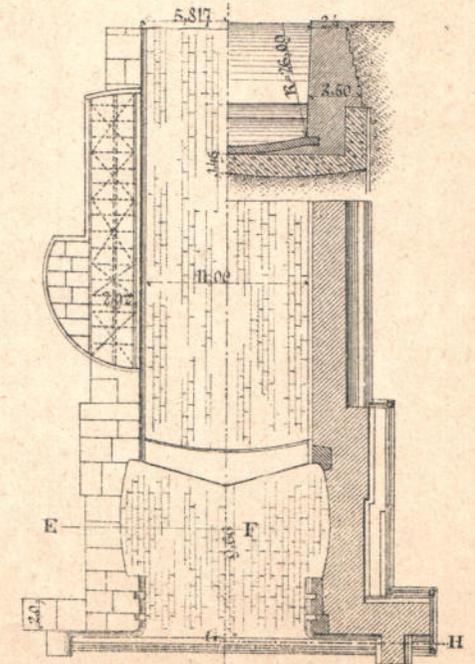
Черт. 1г.
Фасад верхней головы. Разрез по CD.



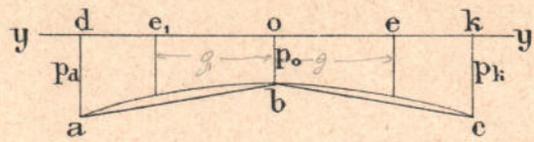
Черт. 2б. Черт. 2в.
Разрез по EF. Разрез по GH.



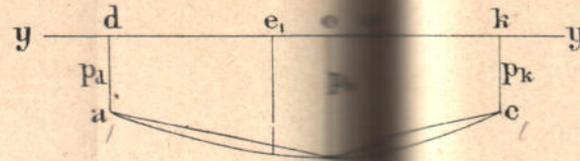
Черт. 2г. Черт. 2д.



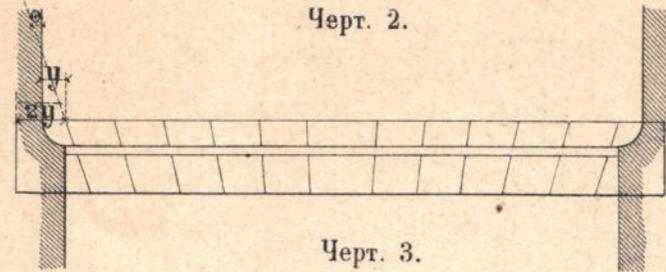
Черт. 1а.



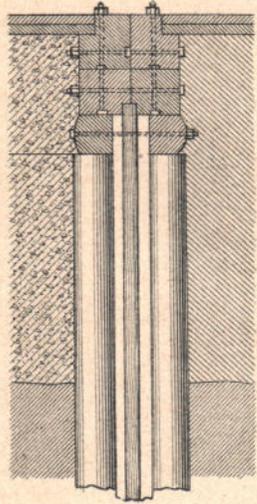
Черт. 2а.



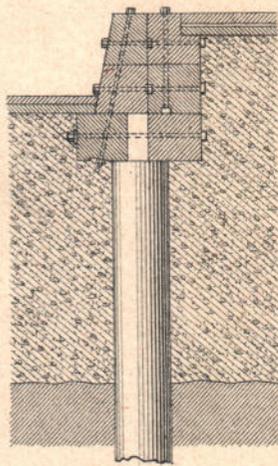
Черт. 2.



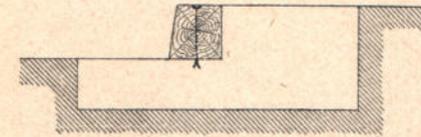
Черт. 4.



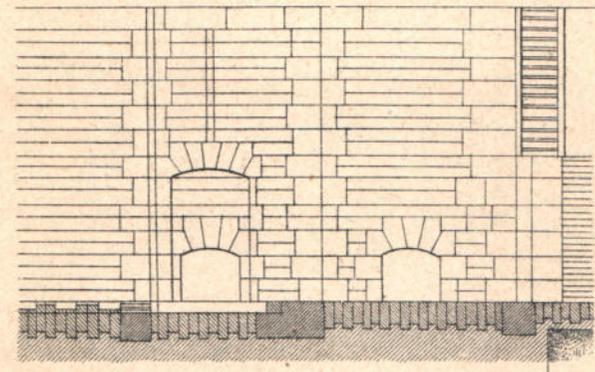
Черт. 5а.



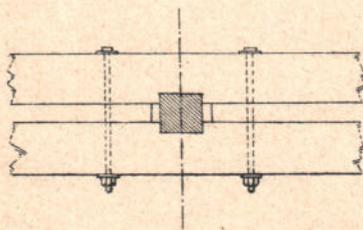
Черт. 3.



Черт. 7а.

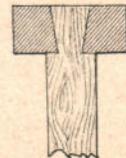


Черт. 5б.

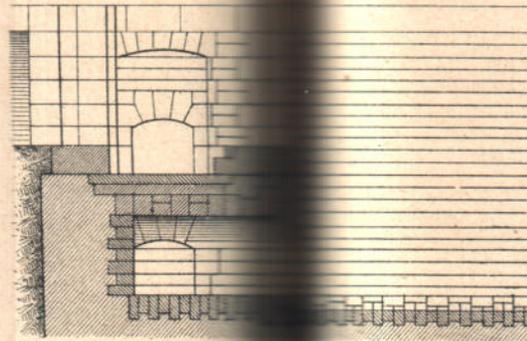


Черт. 5в.

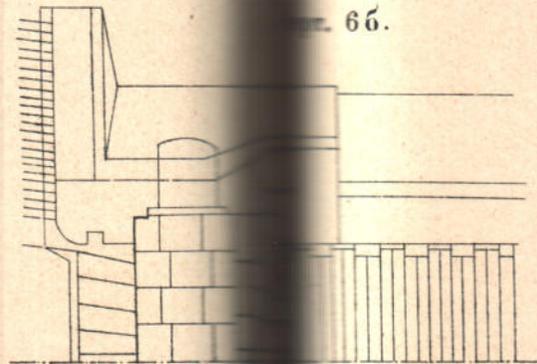
Разрѣзъ по а в.



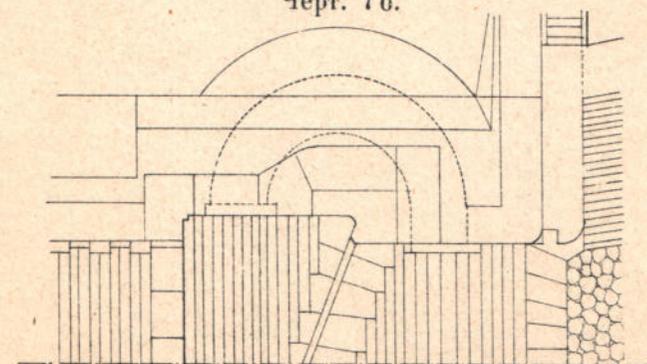
6а.



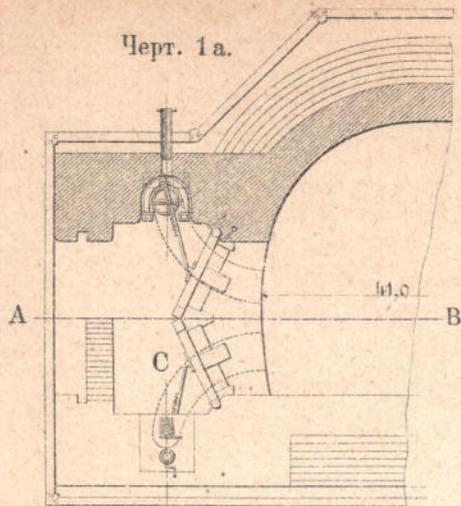
6б.



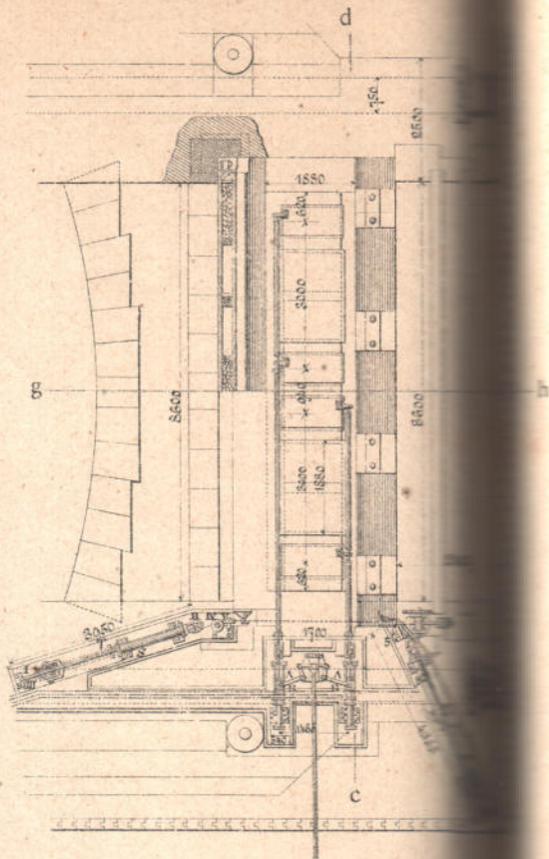
Черт. 7б.



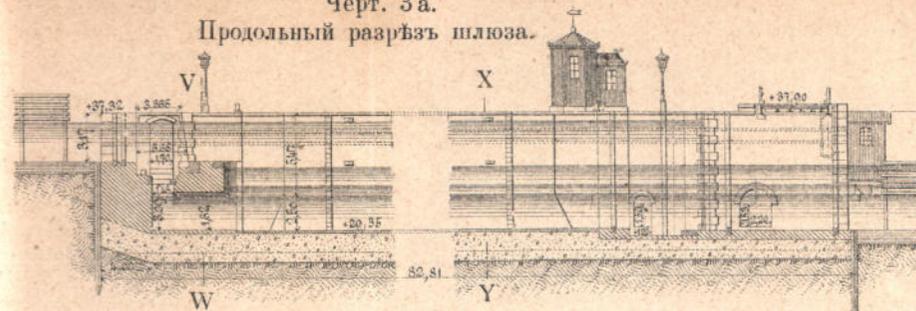
Черт. 1а.



Черт. 2а.
Планъ верхней головы.

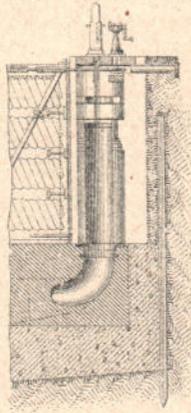
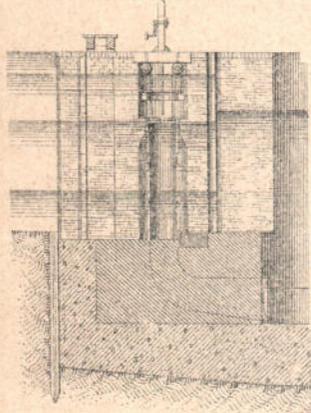


Черт. 3а.
Продольный разръзъ шлюза.

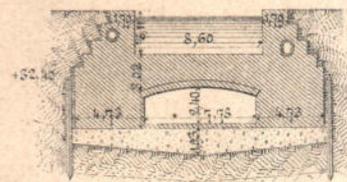


Черт. 1б.
Разръзъ по АВ.

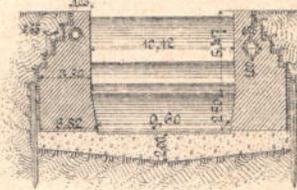
Разръзъ по СД.



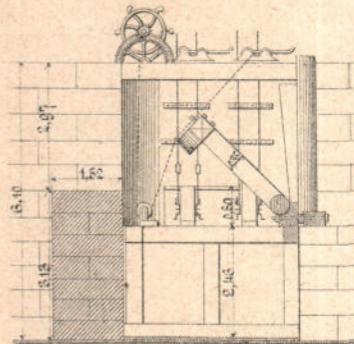
Черт. 3б.
Разръзъ по VW.



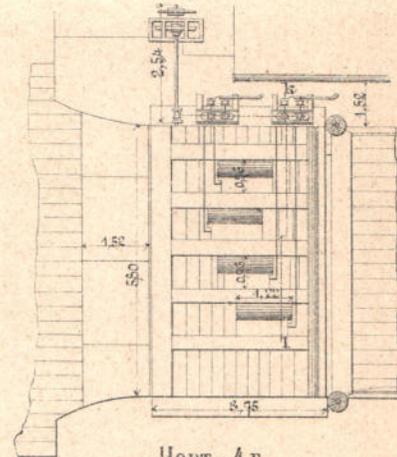
Черт. 3в.
Разръзъ по XY.



Черт. 4а.

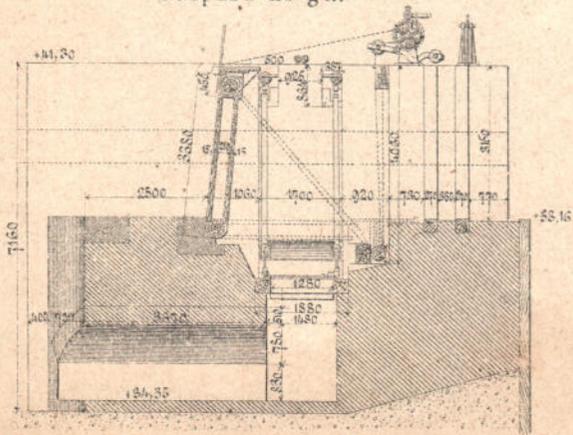


Черт. 4б.

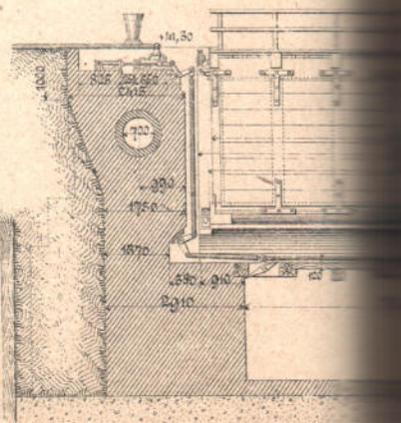


Черт. 2б.

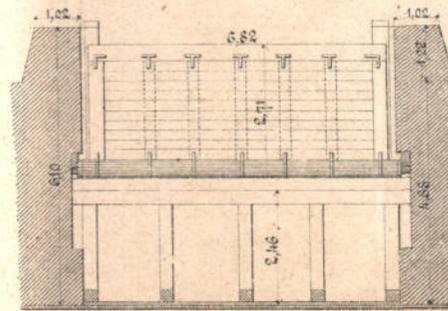
Разръзъ по gh.



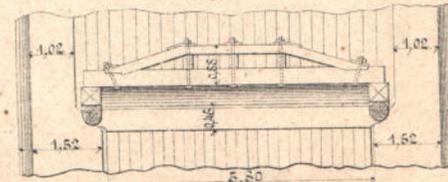
Черт. 2в.
Разръзъ по cd.



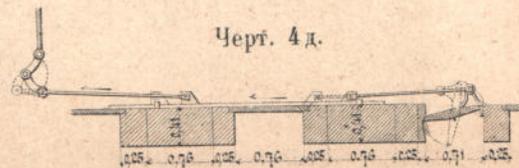
Черт. 4в.



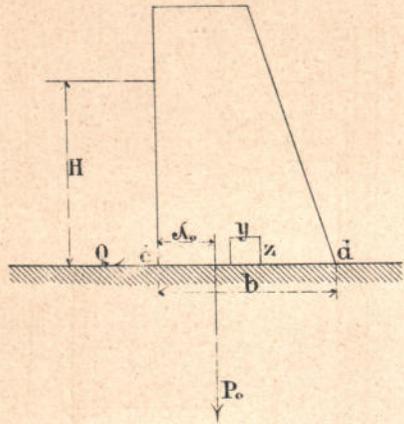
Черт. 4г.



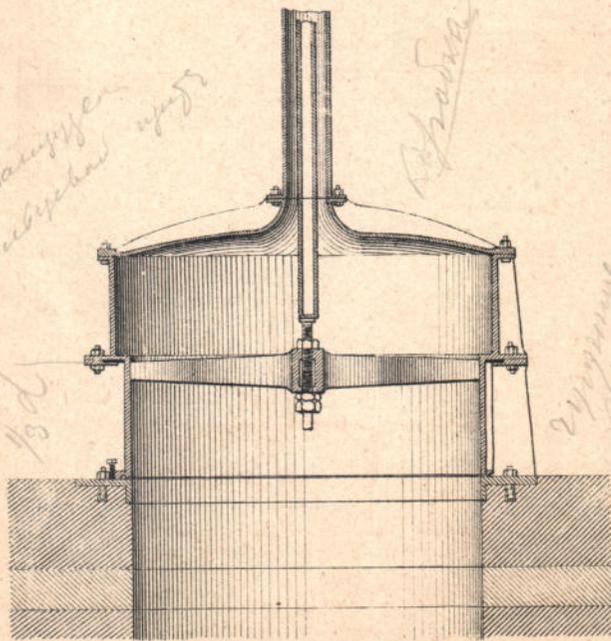
Черт. 4д.



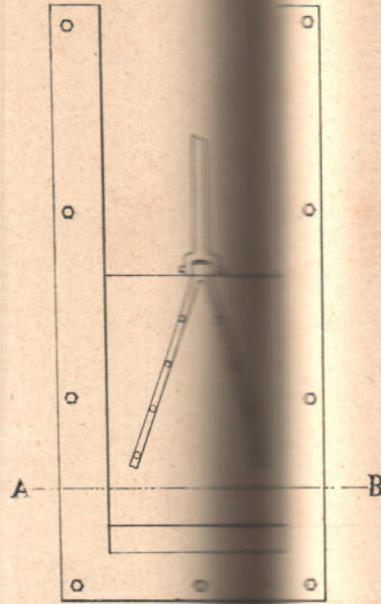
Черт. 1.



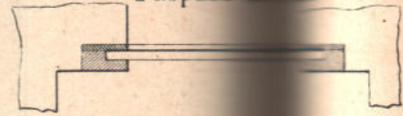
Черт. 5 а.



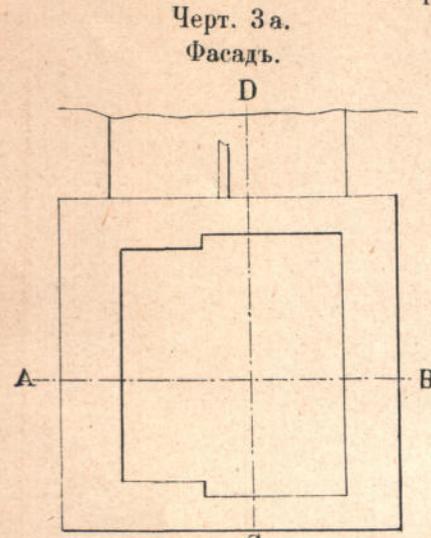
Черт. 3 а.
Фасадъ.



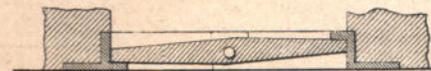
Черт. 3 б.
Разрѣзъ по АВ.



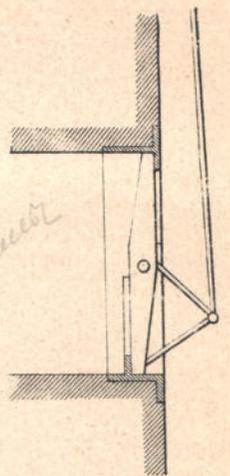
Черт. 3 в.
Разрѣзъ по СД.



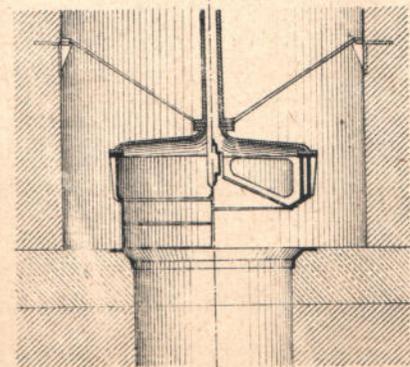
Черт. 3 б.
Разрѣзъ по АВ.



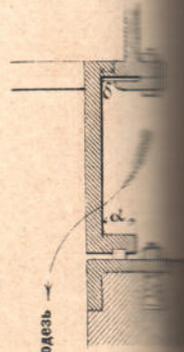
Черт. 4.



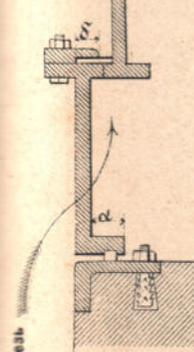
Черт. 5 б.



Черт. 6.

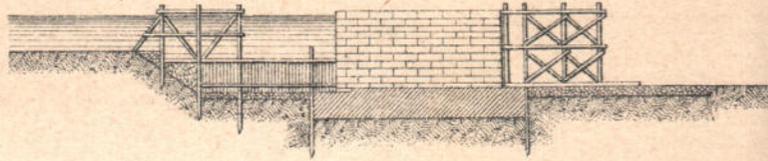


Черт. 7.

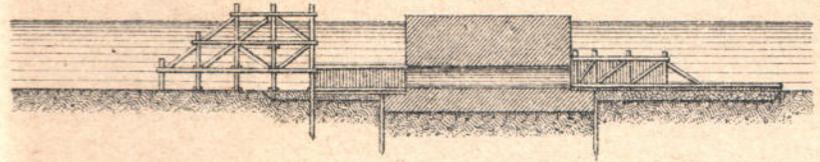


Перервинскій шлюзъ на р. Москвѣ.

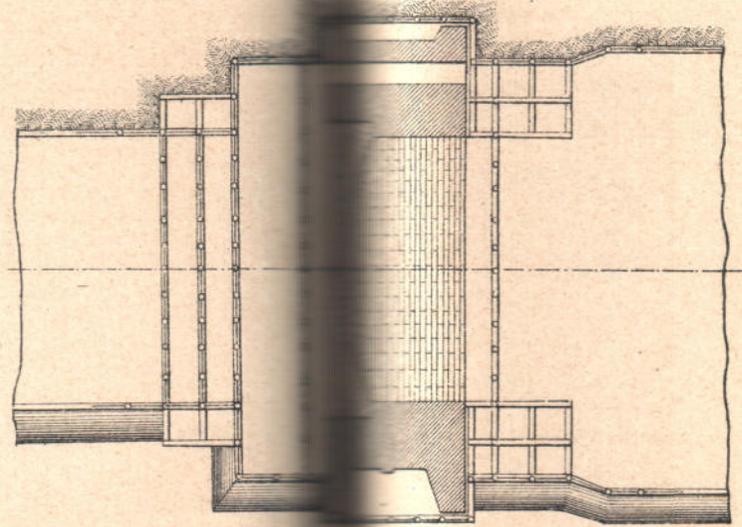
Продольный разръзъ верхней головы шлюза по оси камеры.



Продольный разръзъ нижней головы шлюза по оси камеры.



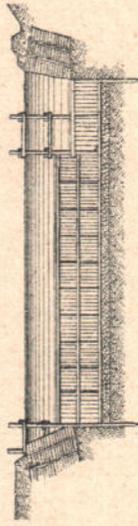
Планъ верхней головы шлюза.



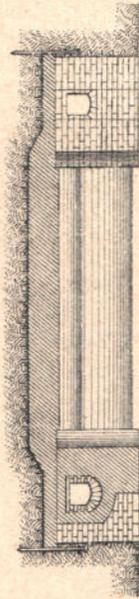
Поперечный профиль входнаго канала у стѣнки паденія.



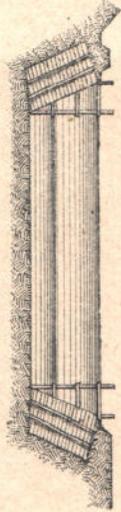
Поперечный разръзъ верхней головы шлюза по стѣнкѣ паденія и ниже ея.



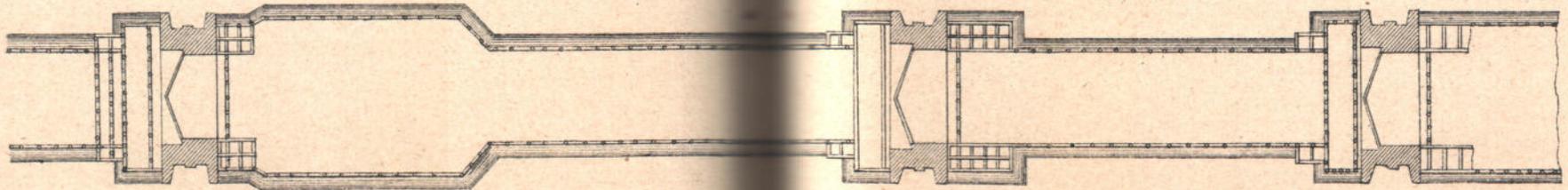
Поперечный разръзъ верхней головы шлюза выше дѣлаго устоя и по правому.



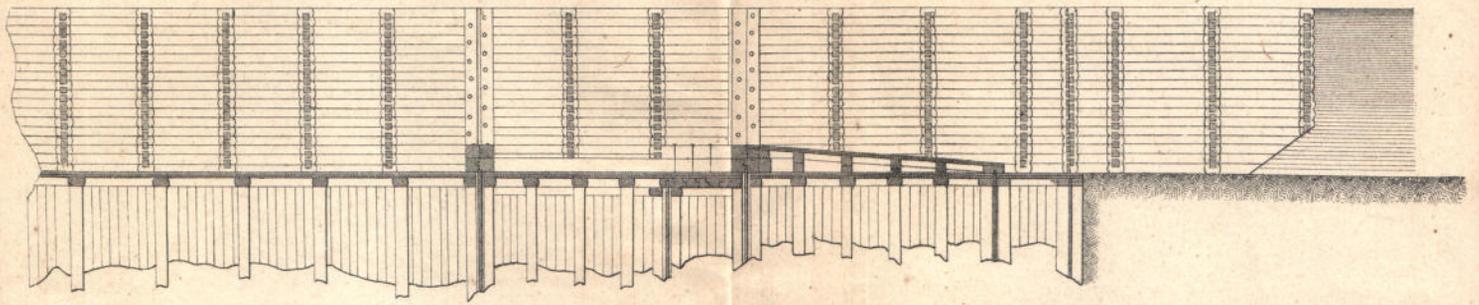
Поперечный разръзъ шлюзной камеры.



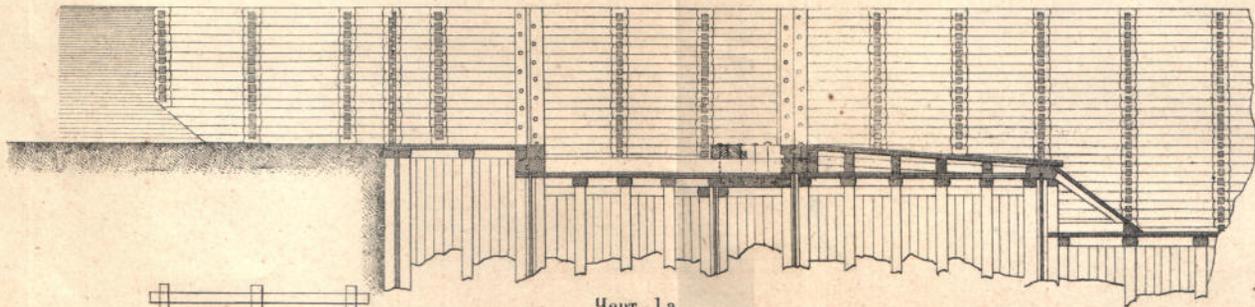
Поперечный разръзъ шлюзной камеры.



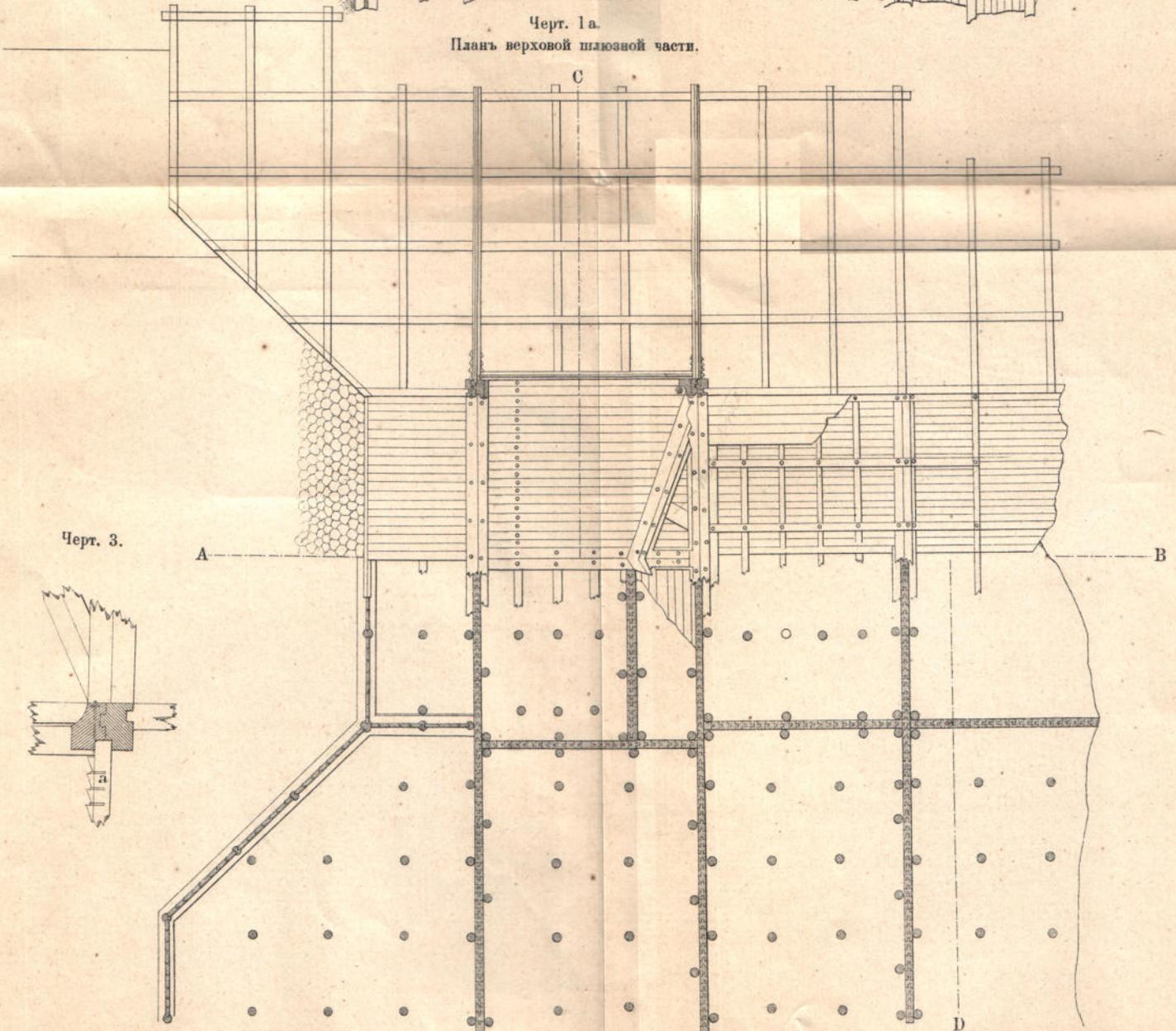
Черт. 2.
Низовая шлюзная часть. Разрѣзъ по С D.



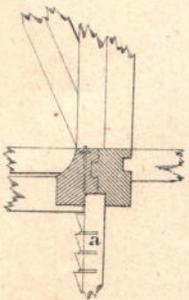
Черт. 1б.
Верховая шлюзная часть. Разрѣзъ по А В.



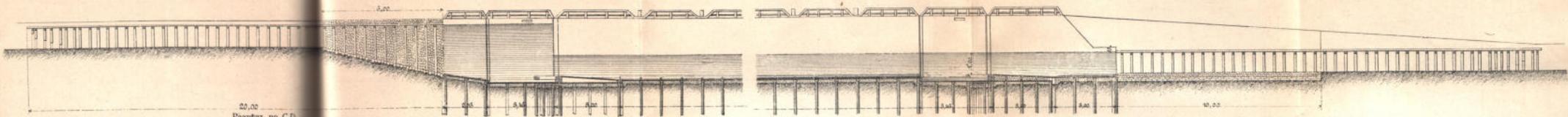
Черт. 1а.
Планъ верховой шлюзной части.



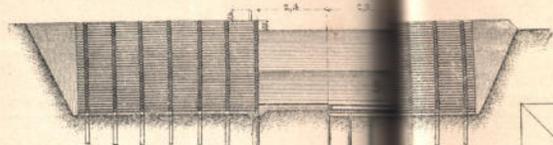
Черт. 3.



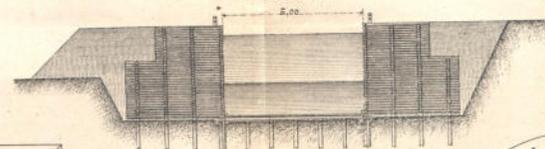
Разрѣзъ по А В.



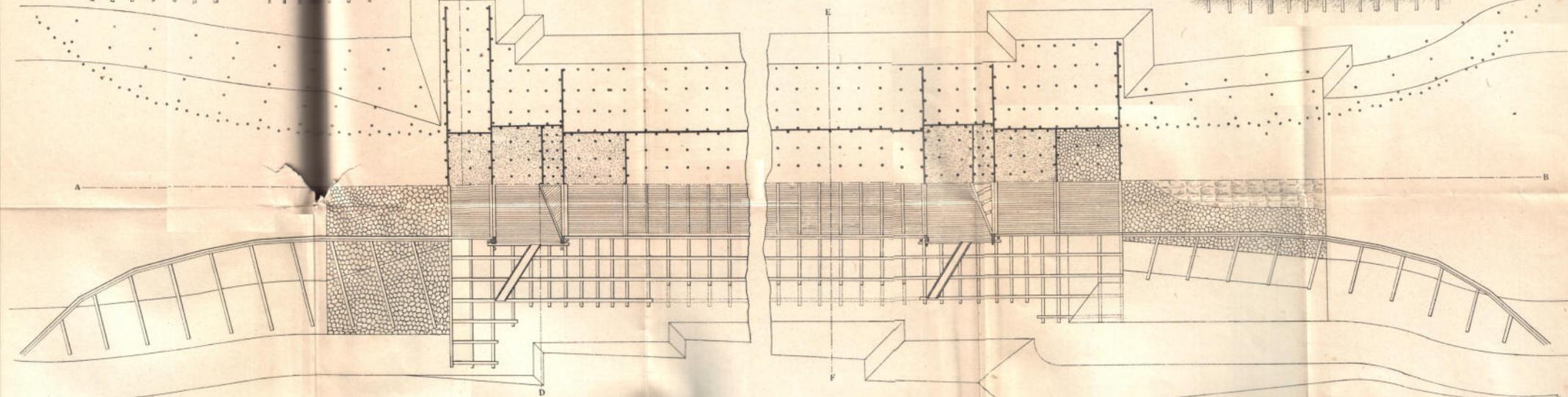
Разрѣзъ по С D.



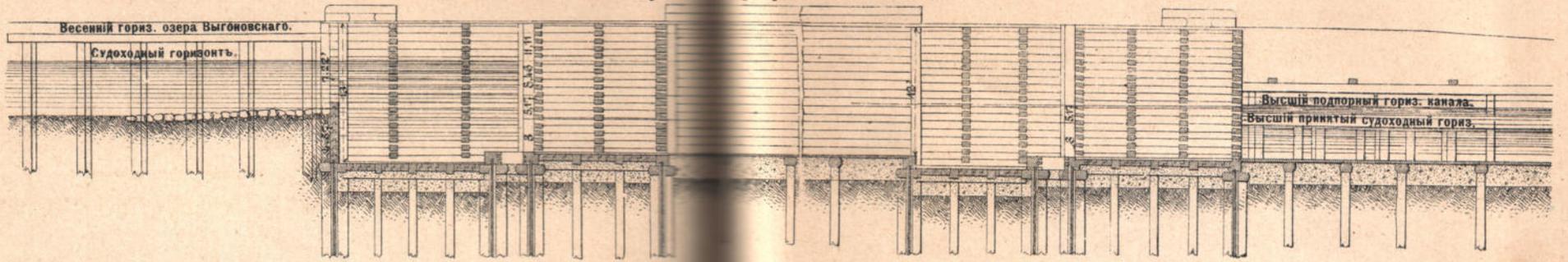
Разрѣзъ по E F.



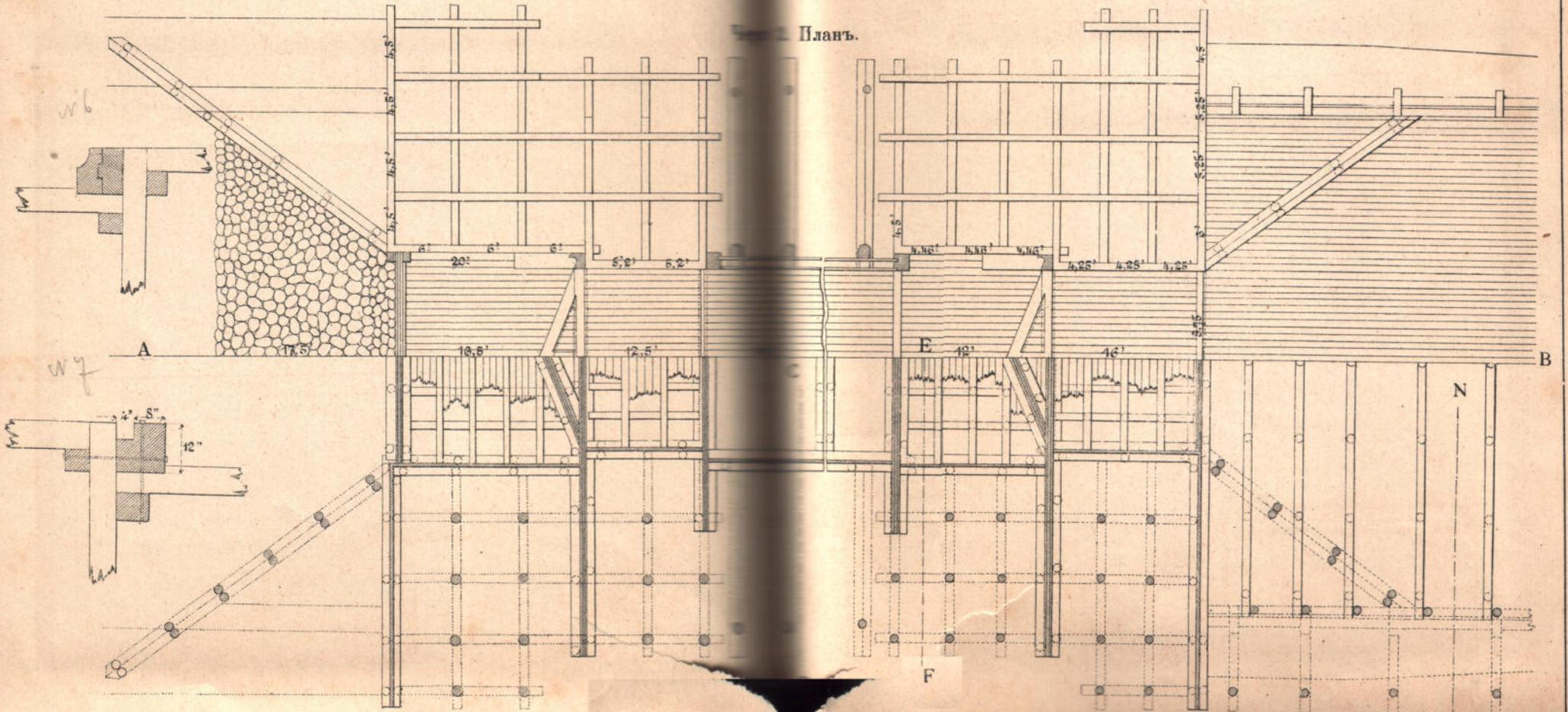
Планъ.



Черт. 1.
Продольный разръзъ по линіи АВ.

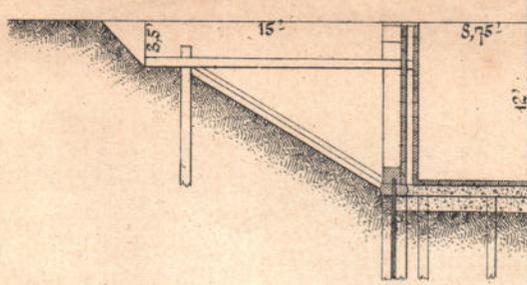


Планъ.



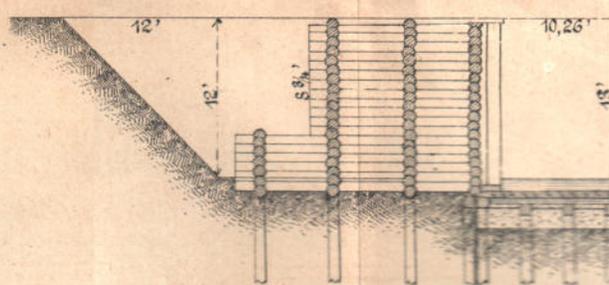
Черт. 3.

Разръзъ по линіи CD.



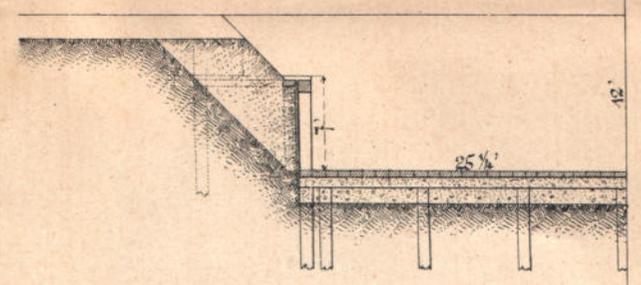
Черт. 4.

Разръзъ по линіи EF.

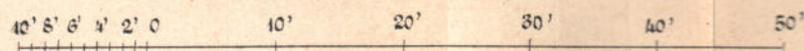


Черт. 5.

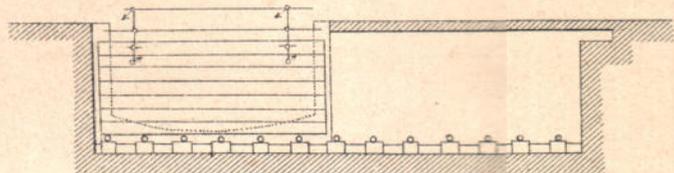
Разръзъ по линіи NO.



Масштабъ къ плану и разръзамъ.



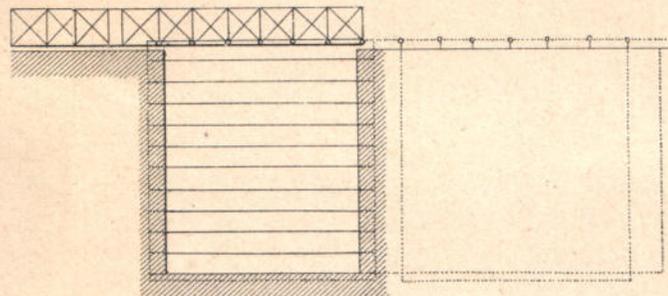
Черт. 1 а.



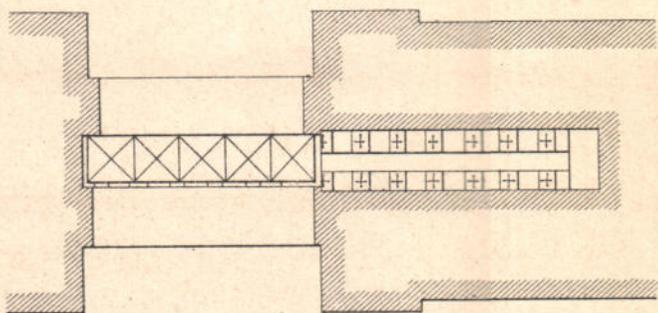
Черт. 1 в.



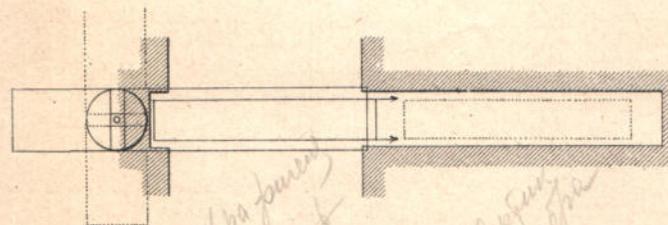
Черт. 2 а.



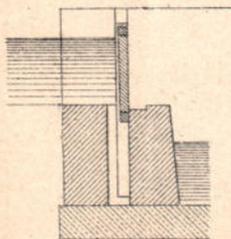
Черт. 1 б.



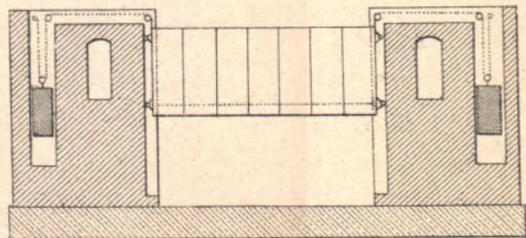
Черт. 2 б.



Черт. 3 б.



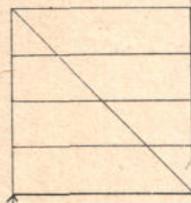
Черт. 3 а.



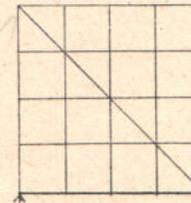
4 а.



Черт. 4 б.



Черт. 4 в.



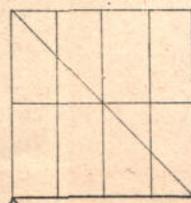
Черт. 4 г.



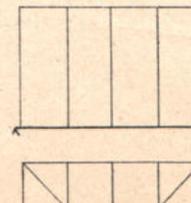
9 а.



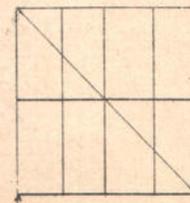
Черт. 9 б.



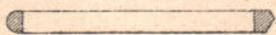
Черт. 9 в.



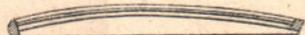
Черт. 4 д.



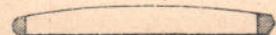
Черт. 5.



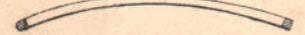
Черт. 7.



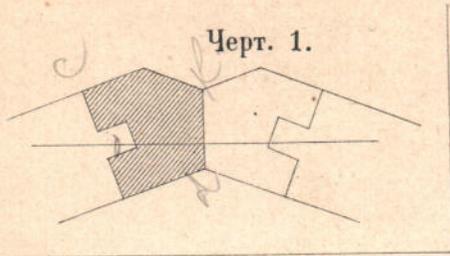
Черт. 6



Черт. 8.



Черт. 1.



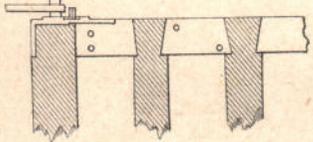
Ворота Фаустовского шлюза на р. Москвѣ.

Дерево.

Железо.

стальной стержень

Разрѣзь по АВ.



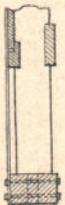
Разрѣзь по CD.



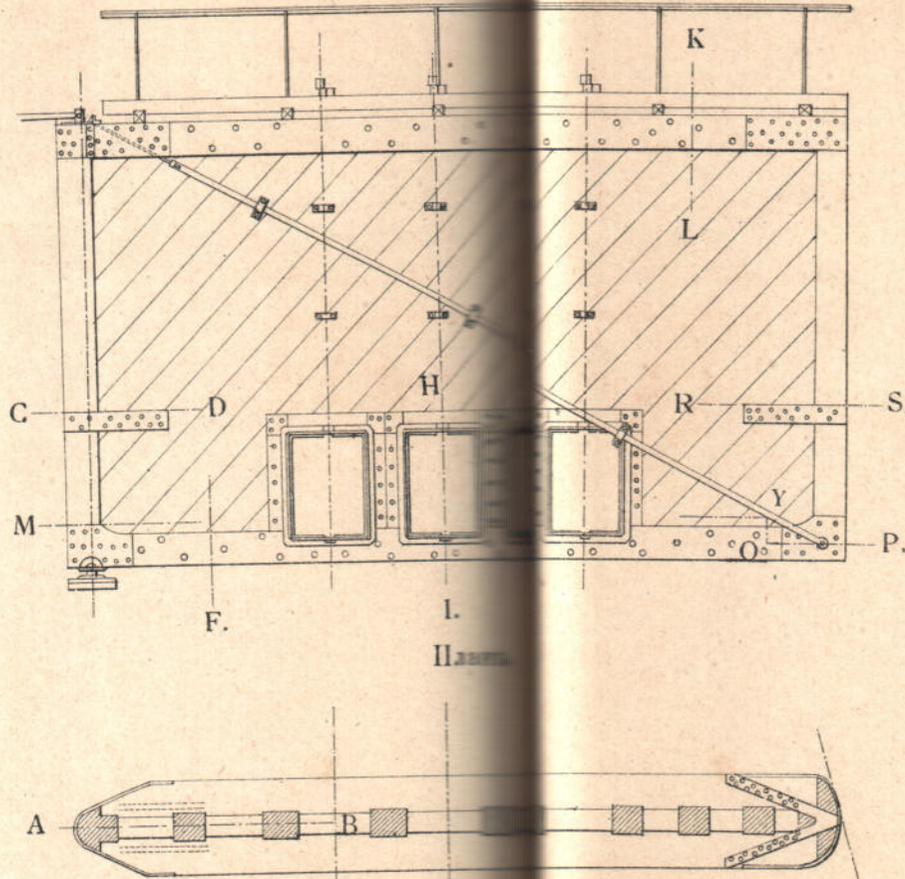
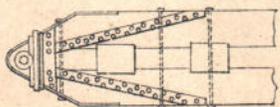
Разрѣзь по EF.



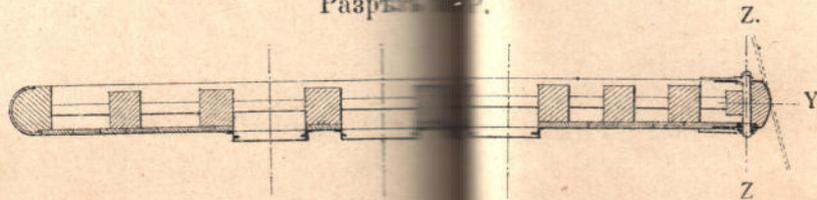
Разрѣзь по HI.



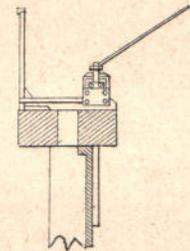
Часть верхняго плана.



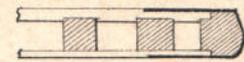
Разрѣзь по KL.



Разрѣзь по KL.



Разрѣзь по RS.



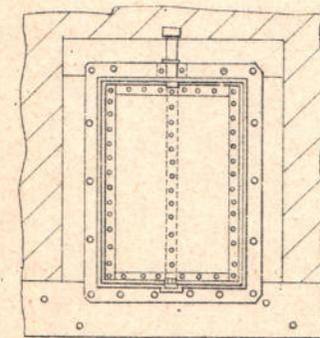
Разрѣзь по оси болта ZZ.



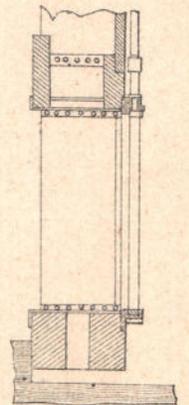
Разрѣзь по оси воротъ YY.



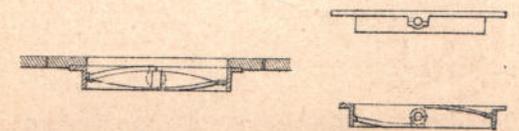
Щитъ.



Вертикальный разрѣзь по оси.

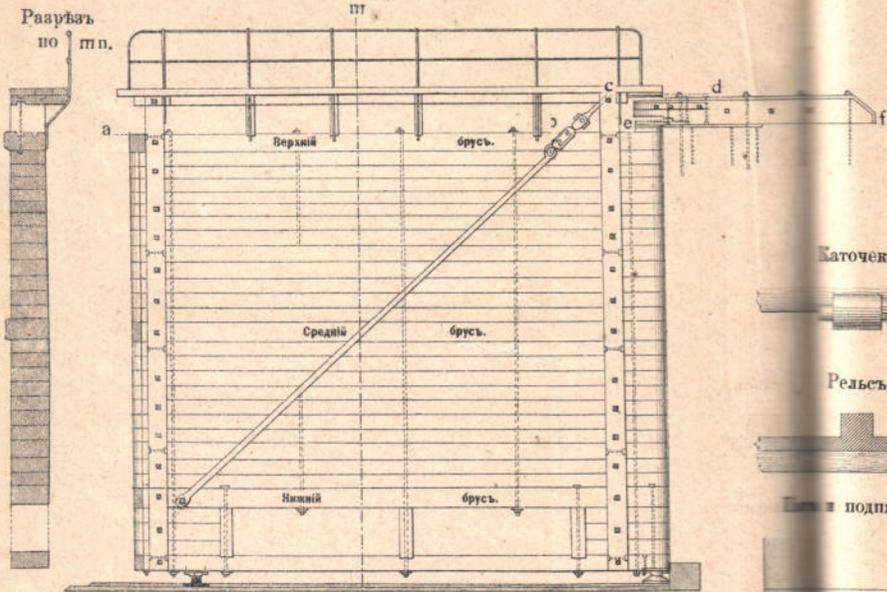


Горизонтальный разрѣзь.

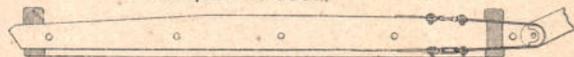


Черт. 1.

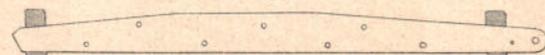
Американскія брусчатые ворота на каналъ Эри.



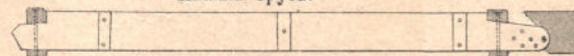
Разрѣзь по абсд.



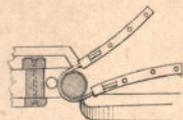
Средній брусъ.



Нижній брусъ.



Гальбантъ въ плоскости ef.



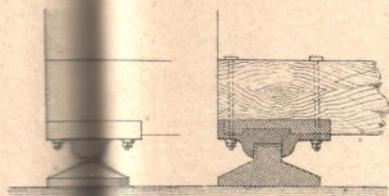
Каточекъ.



Рельсъ.

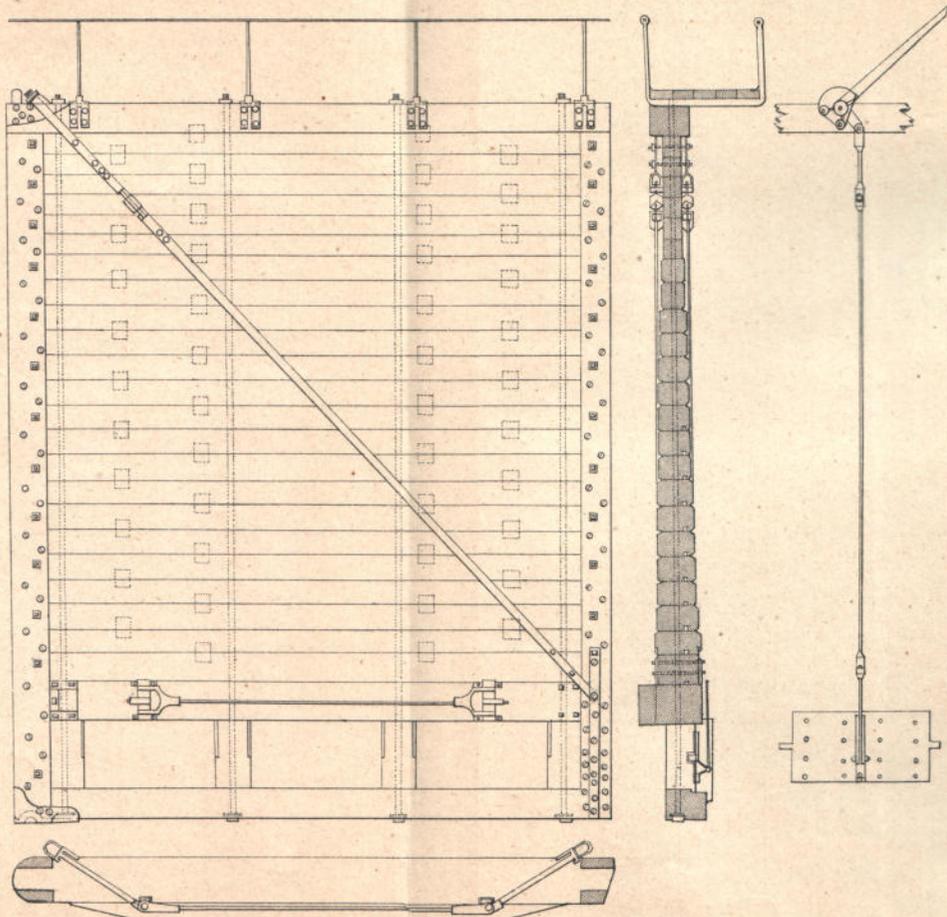


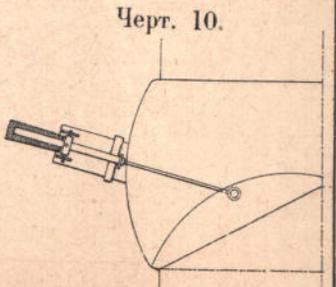
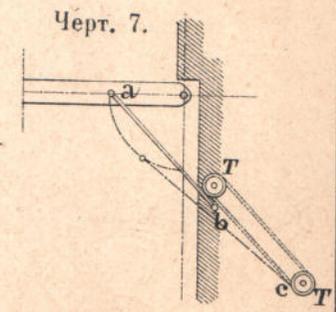
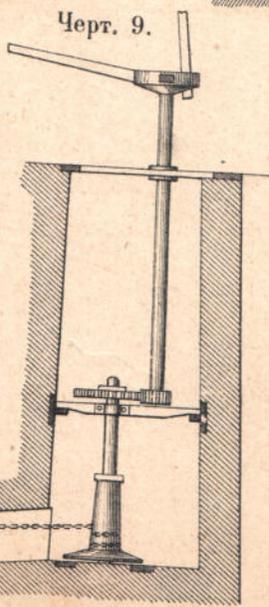
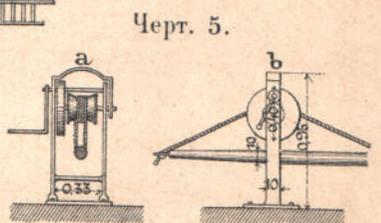
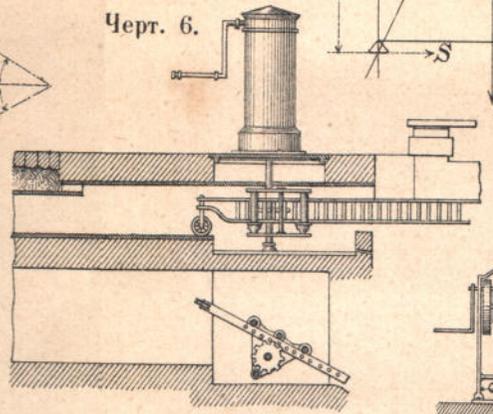
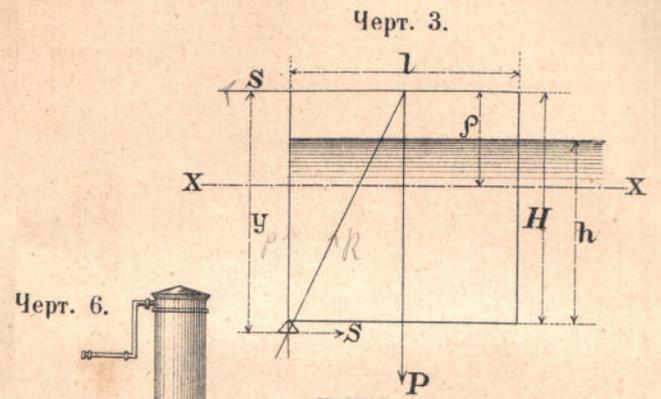
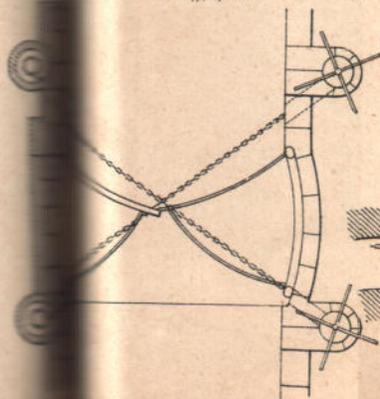
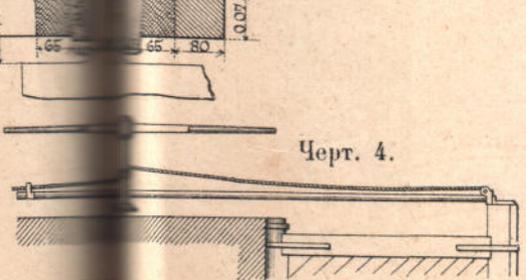
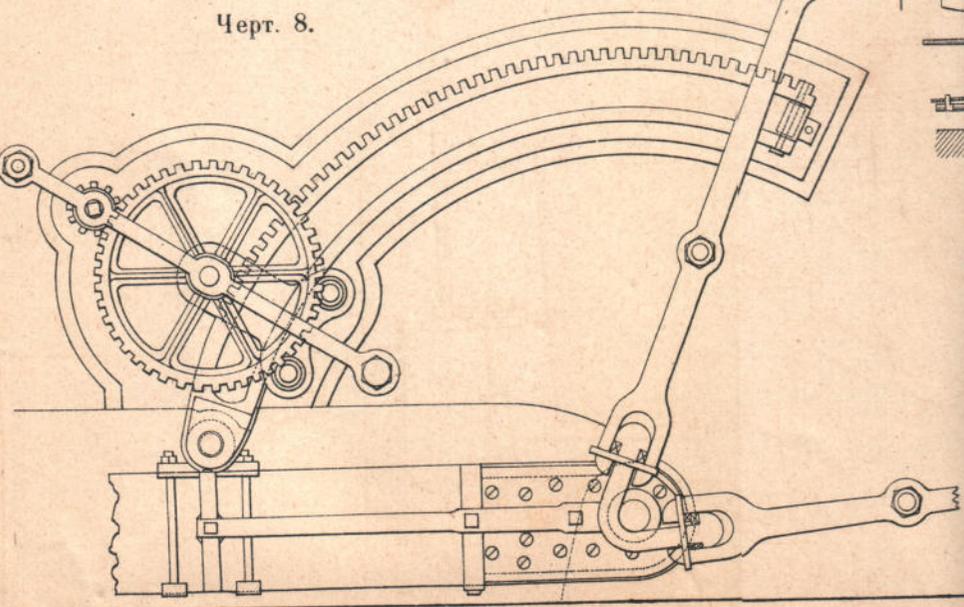
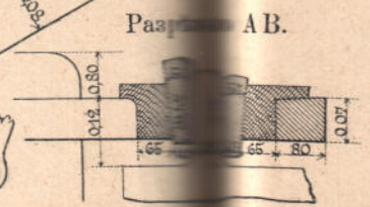
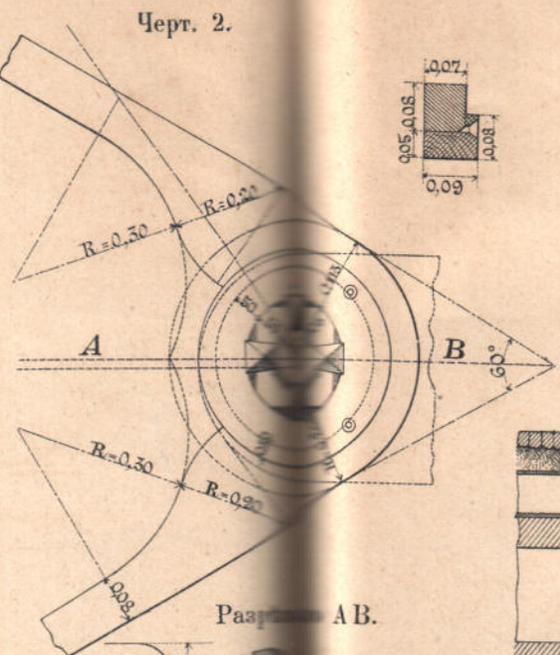
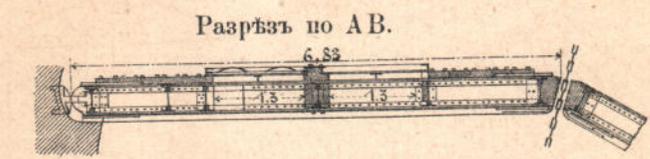
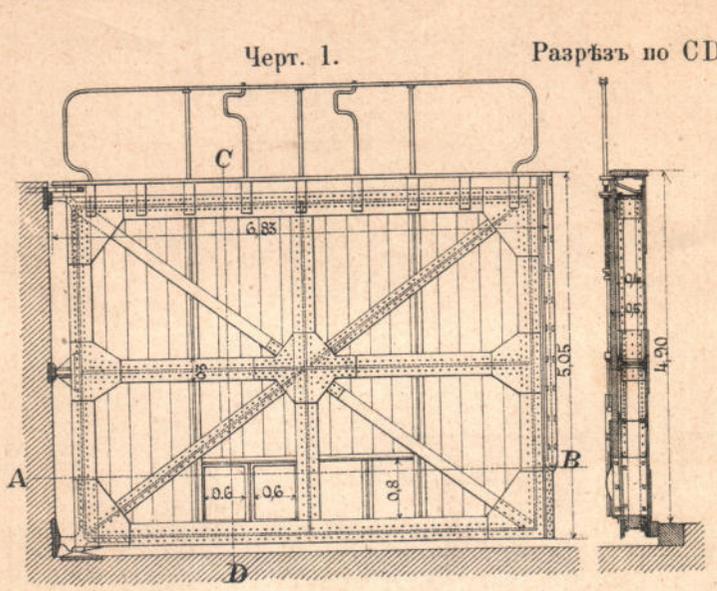
Полнъ подпятникъ.



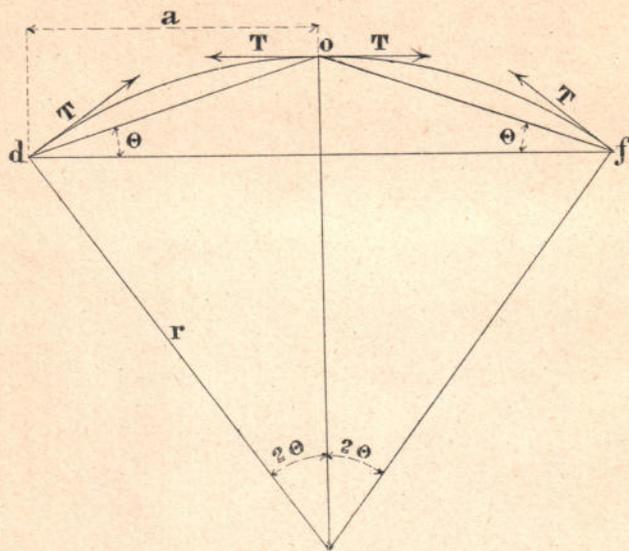
Черт. 2.

Брусчатые ворота Маринской системы.

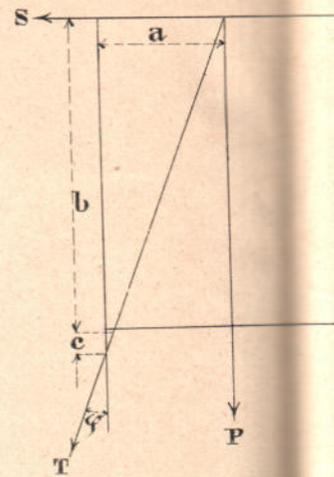




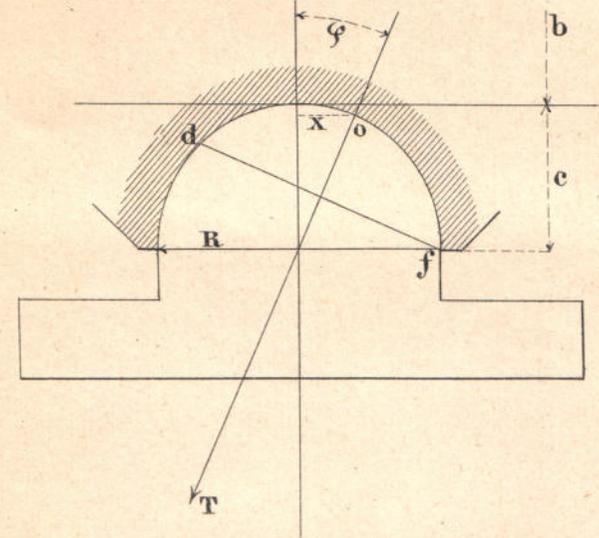
Черт. 1.



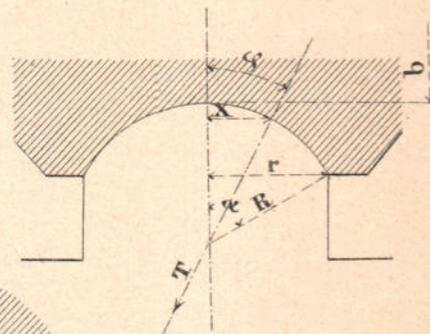
Черт. 2.



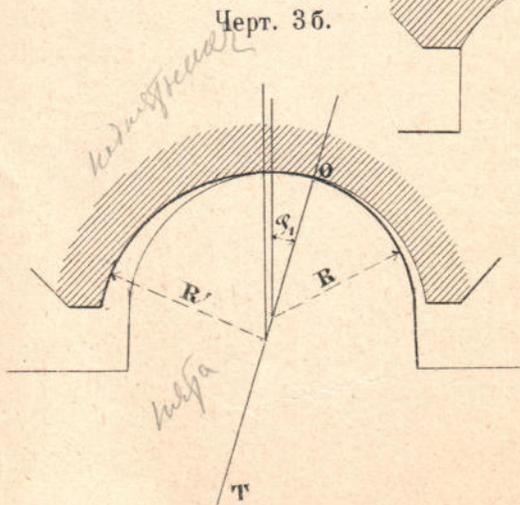
Черт. 3а.



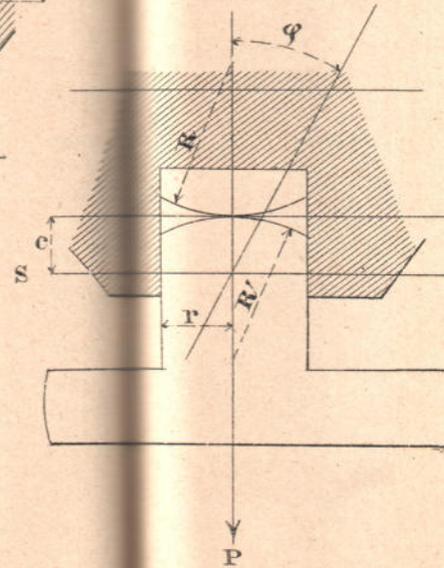
Черт. 3в.



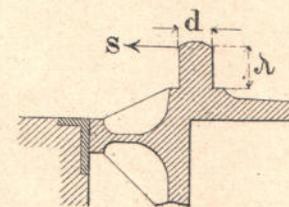
Черт. 3б.



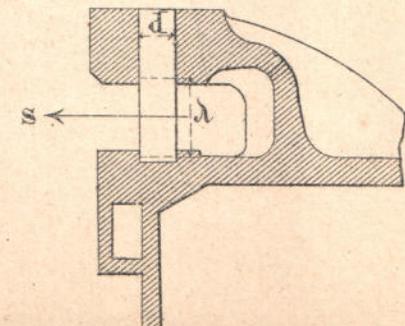
Черт. 4.



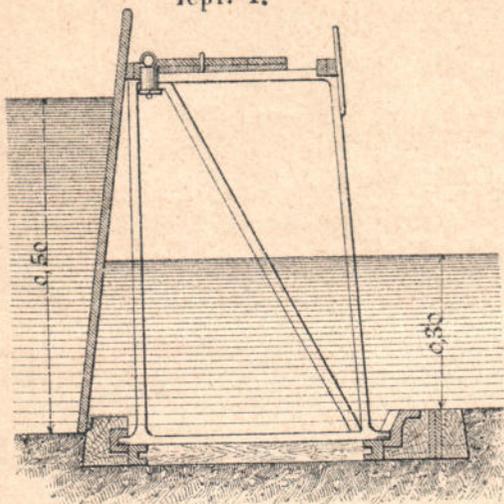
Черт. 5.



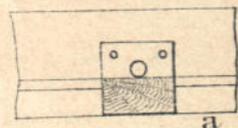
Черт. 6.



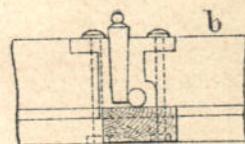
Черт. 1.



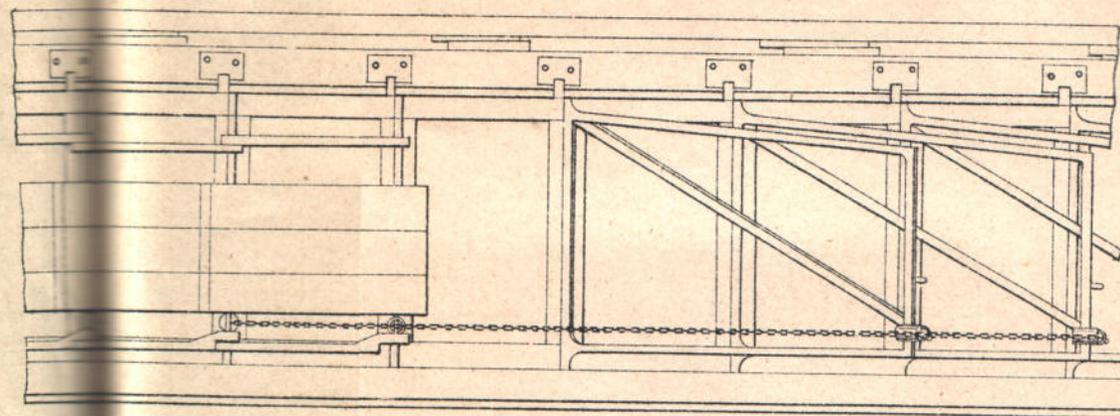
Черт. 2а.



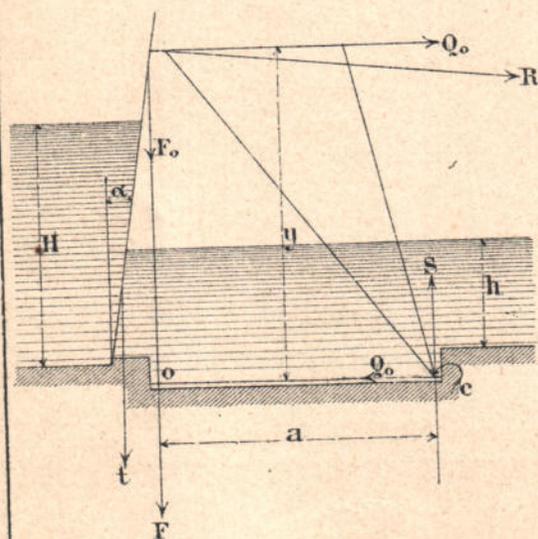
Черт. 2б.



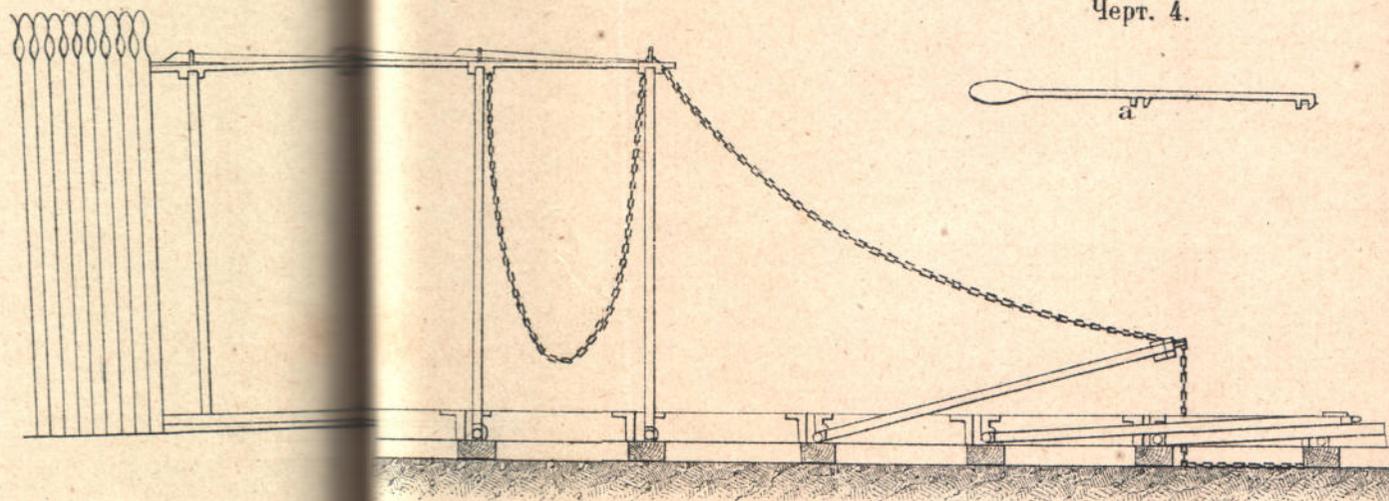
Черт. 3а.



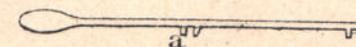
Черт. 5.



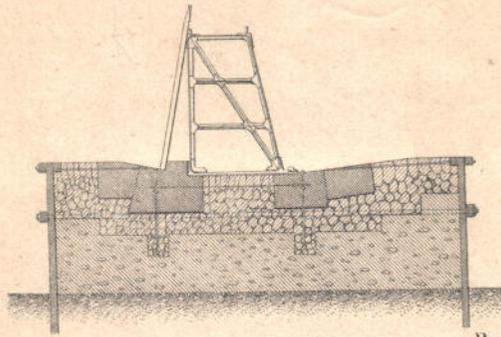
Черт. 3б.



Черт. 4.

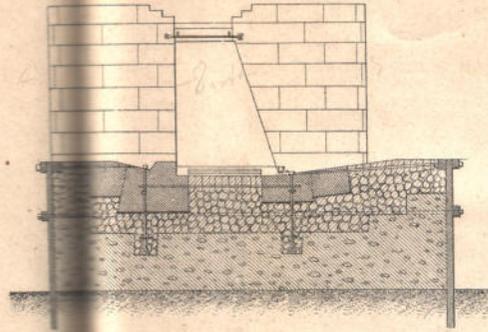


Разрѣзъ по АВ.



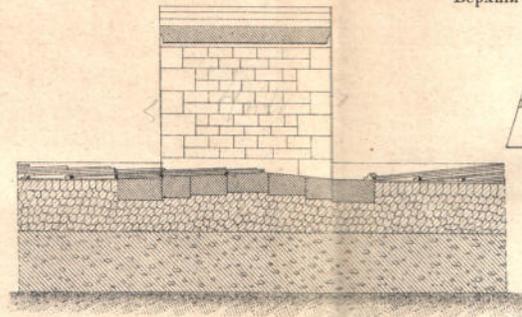
В

Разрѣзъ по СD.



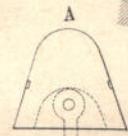
С

Разрѣзъ по ЕF.



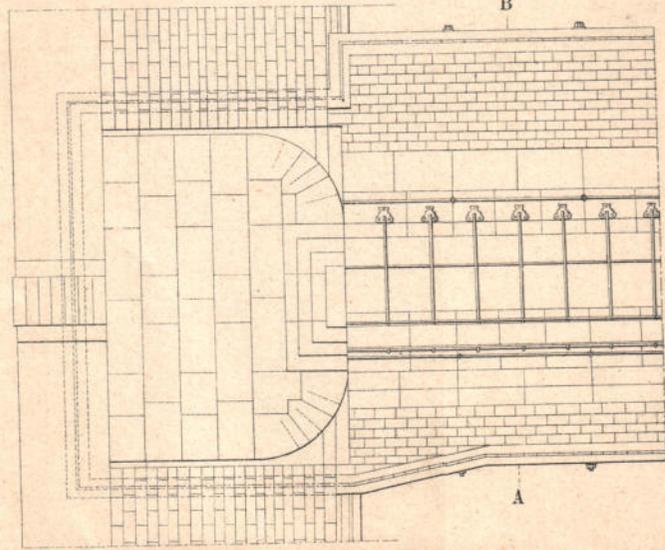
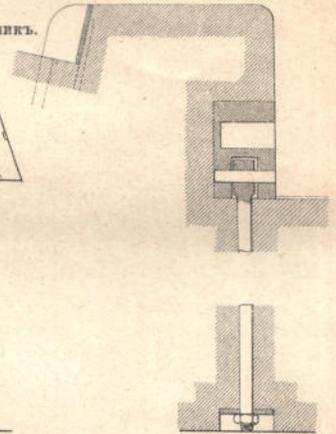
Разрѣзъ подфермнаго камня по оси верхняго подшипника АВ.

Верхній подшипникъ.

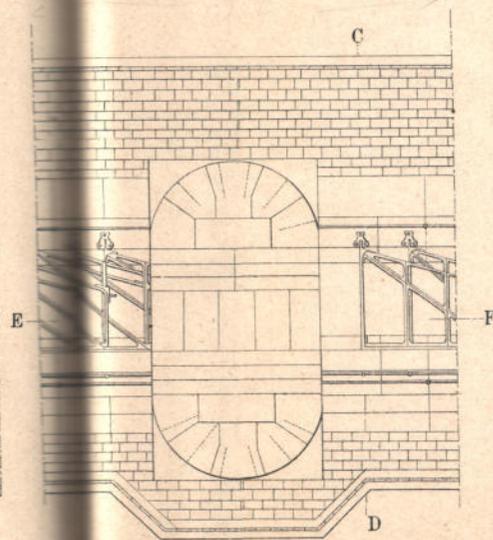


А

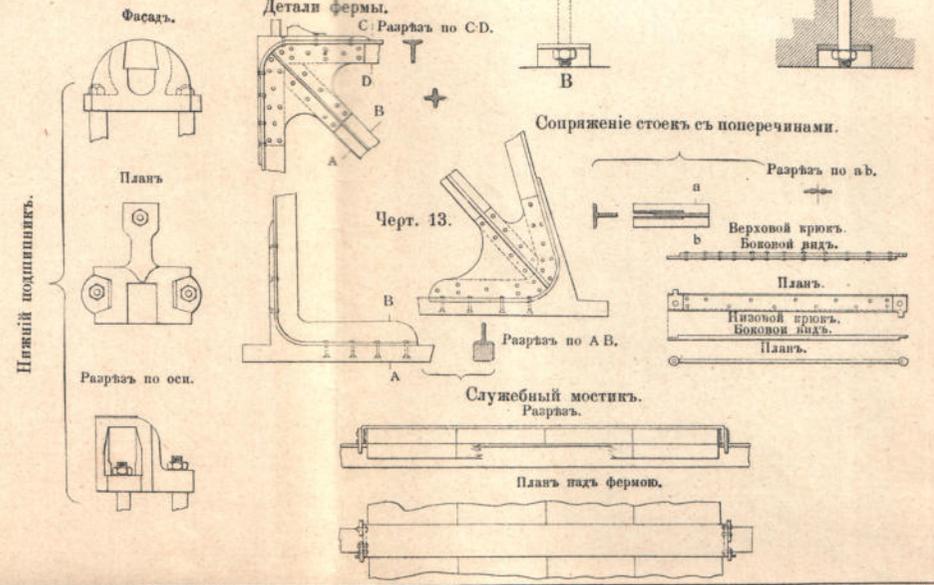
В



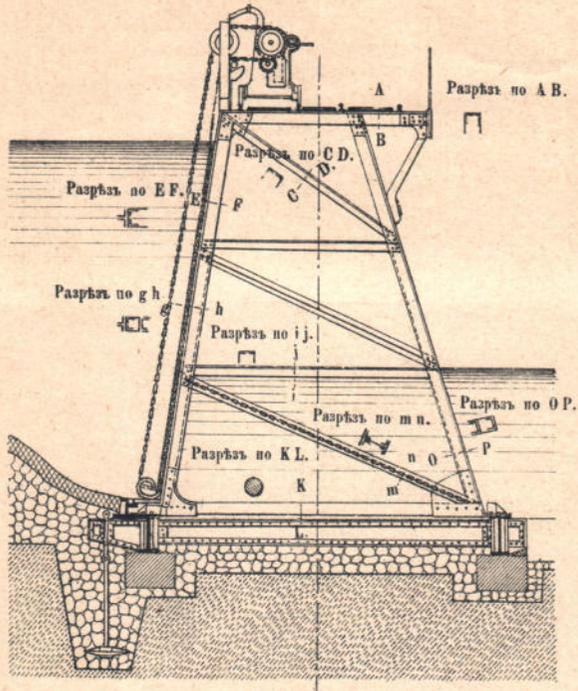
А



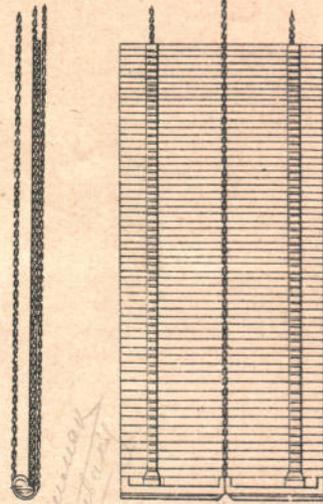
D



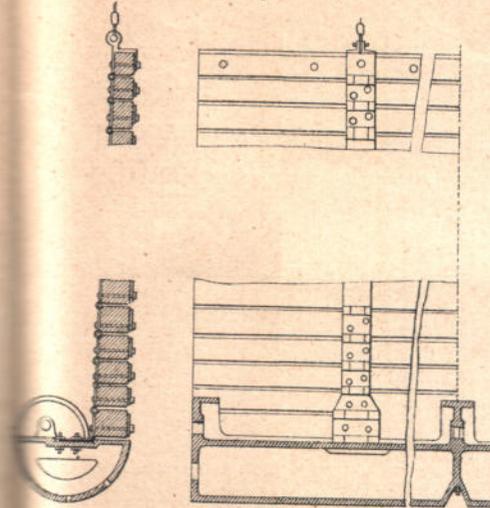
Черт. 1.



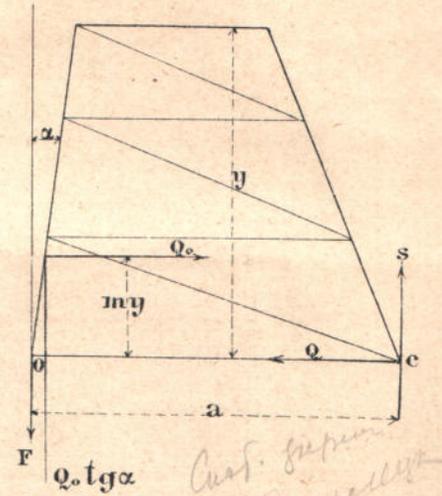
Черт. 2а.



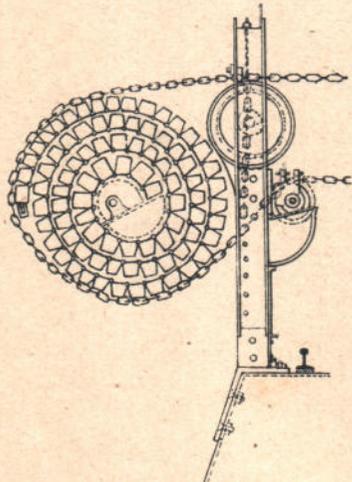
Черт. 2б.



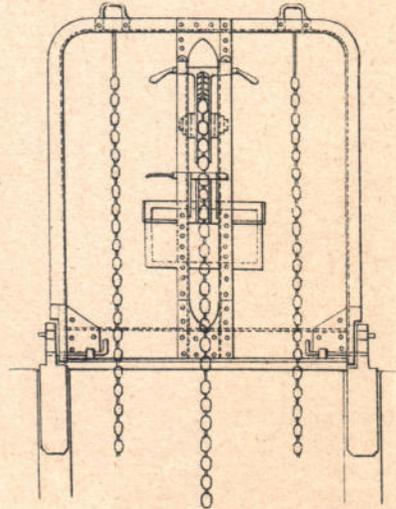
Черт. 6.



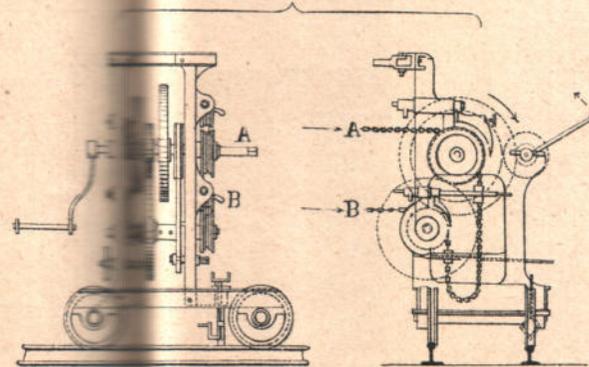
Черт. 3а.



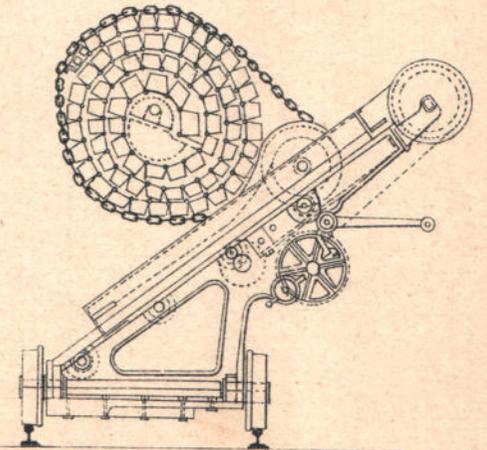
Черт. 3б.



Черт. 4.

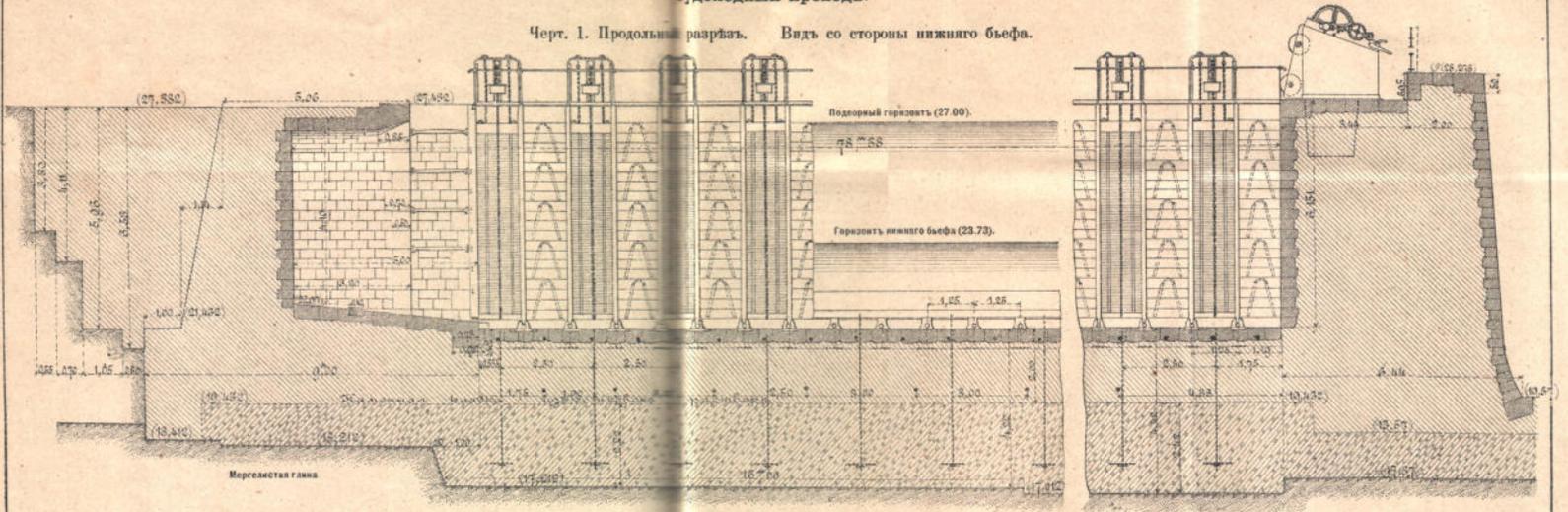


Черт. 5.

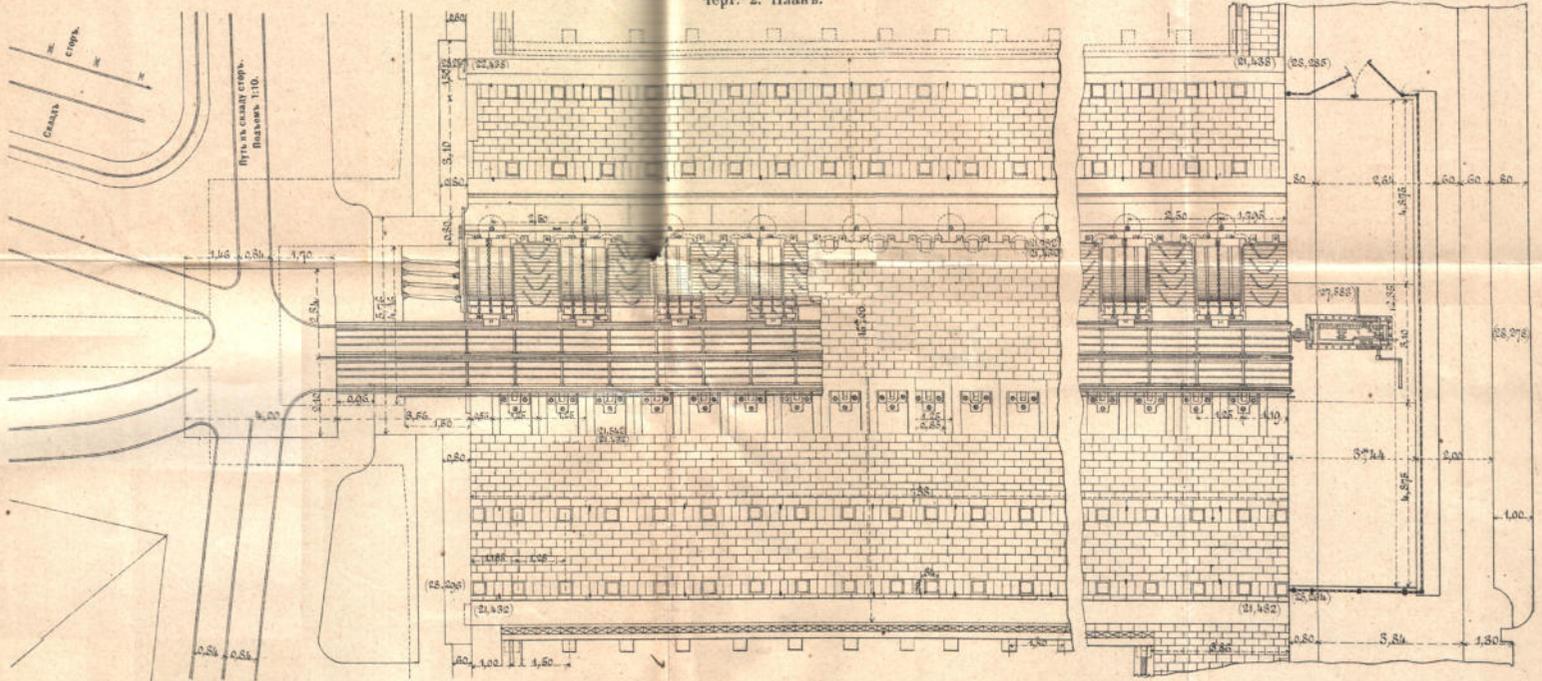


Судоходный проход.

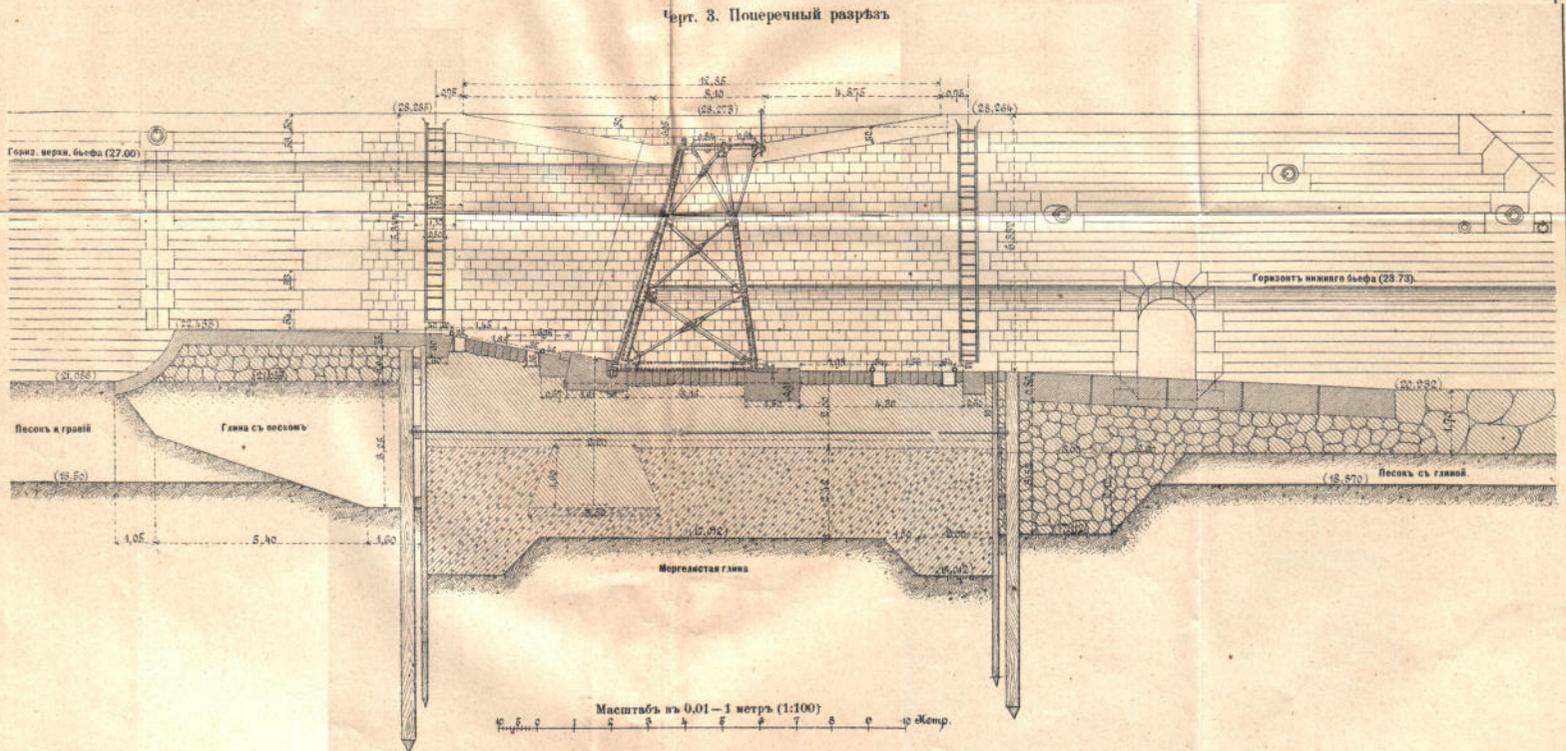
Черт. 1. Продольный разрьъ. Видъ со стороны нижняго бьефа.



Черт. 2. Планъ.

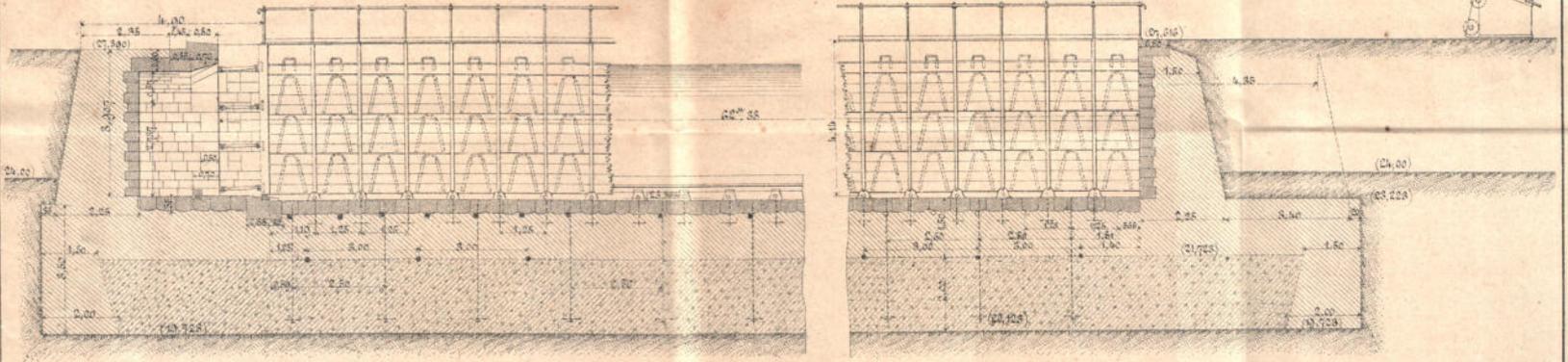


Черт. 3. Поперечный разрьъ

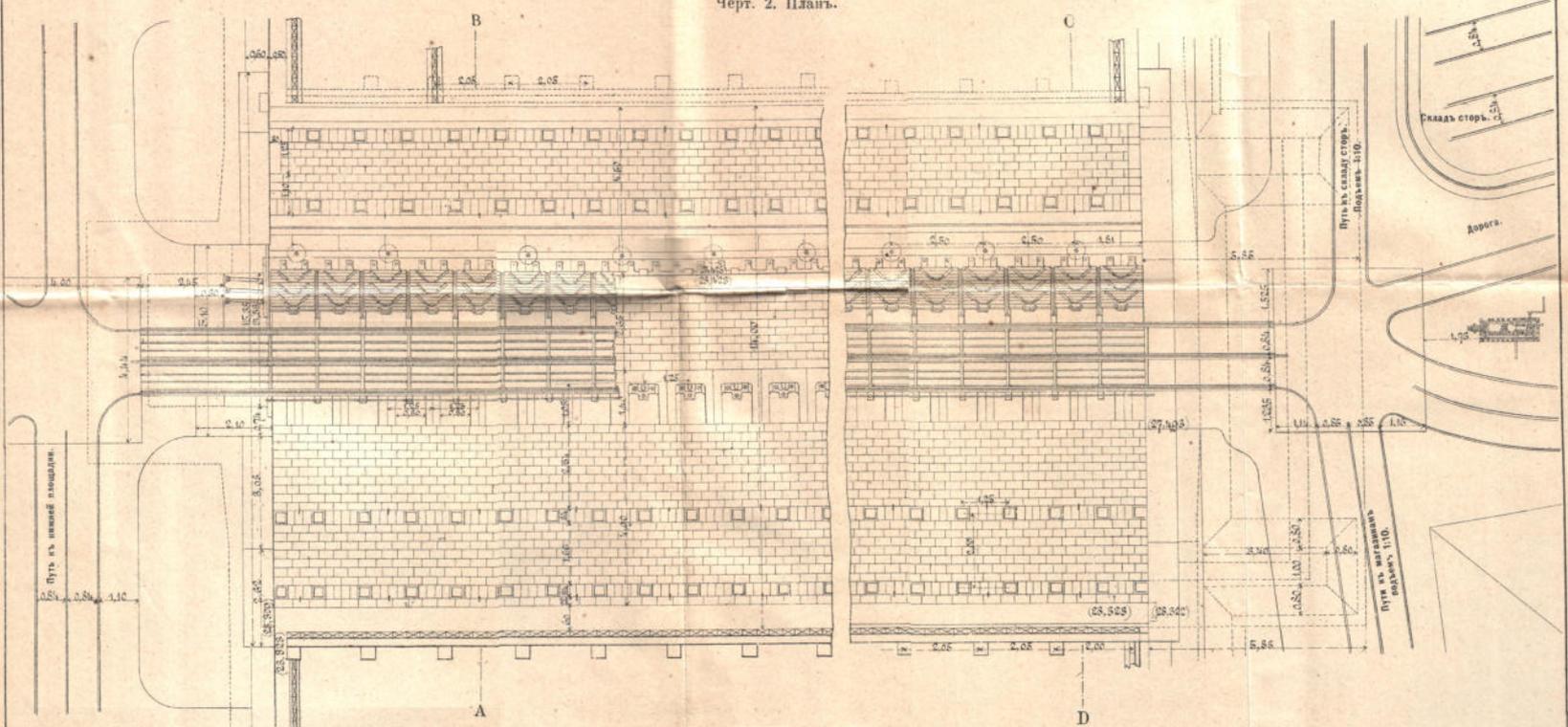


Водосливъ.

Черт. 1. Продольный разръзъ. Видъ со сторонъ нижняго бьефа.

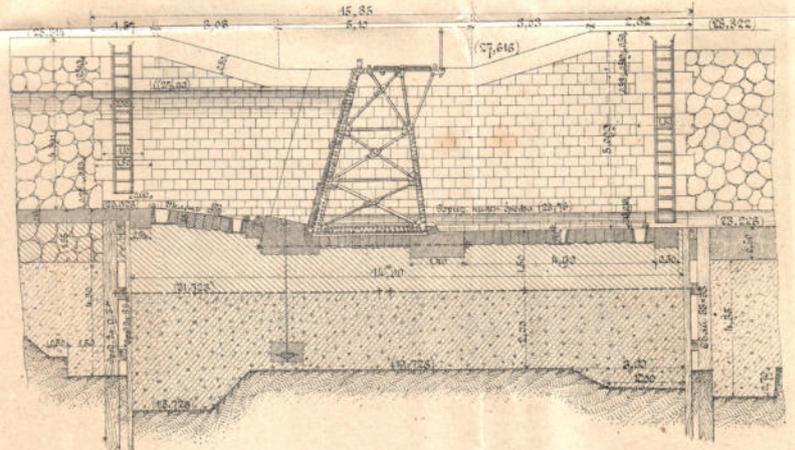
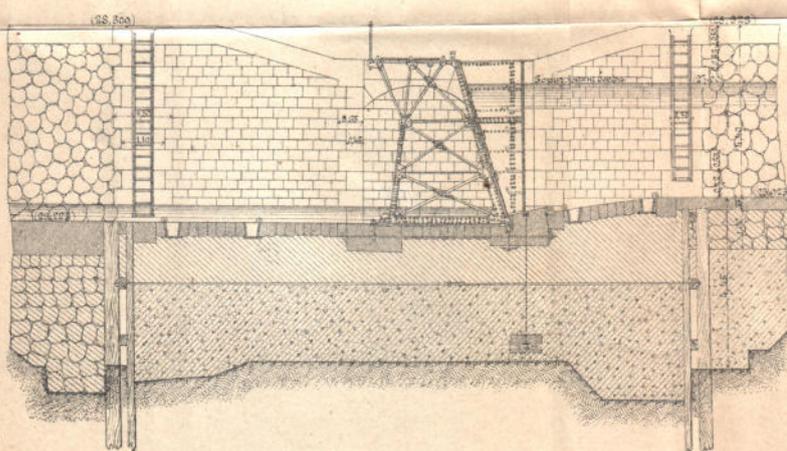


Черт. 2. Планъ.



Черт. 3. Поперечный разръзъ по АВ.

Черт. 4. Поперечный разръзъ по СД.

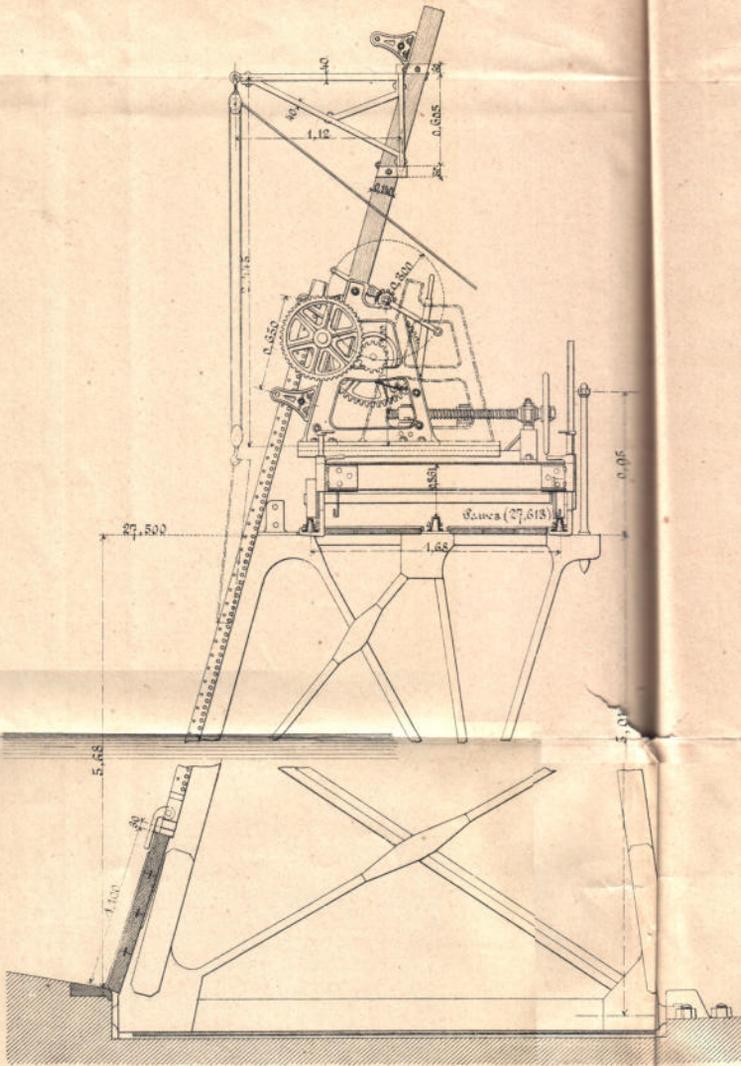


Масштабъ въ 0.01—1 метръ (1:100)
0 1 2 3 4 5 6 7 8 9 10 Метръ

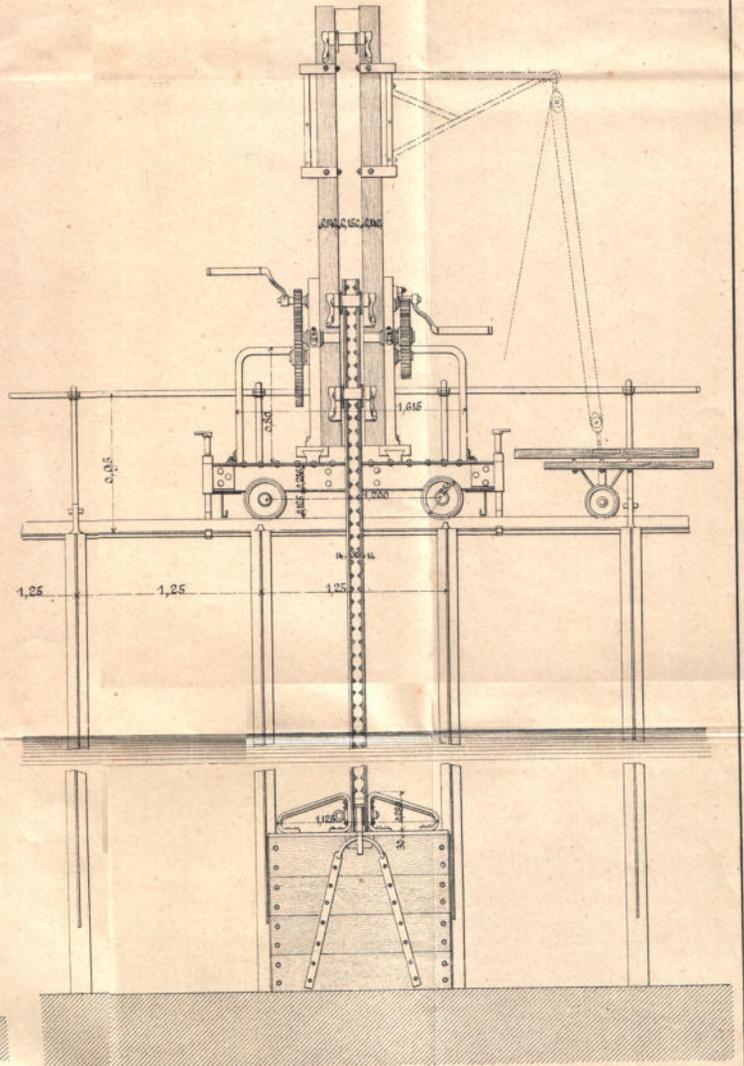
Плотина Suresnes на рѣкѣ Севѣ.

Припособленіе для зыванія и открыванія отверстій шитами.

Черт. 1. Поперечный разръзъ.

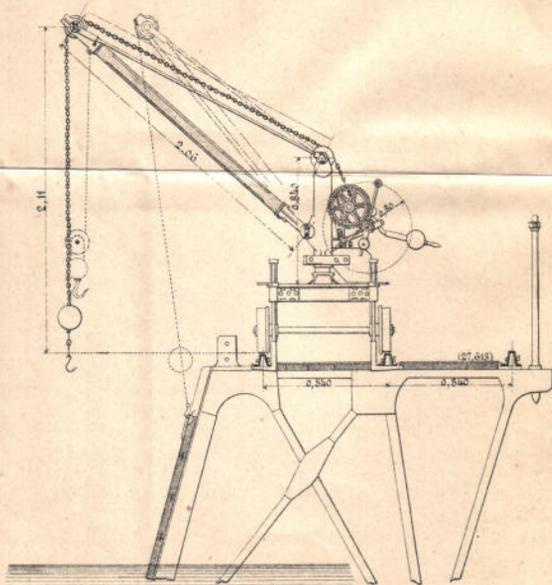


Черт. 2.

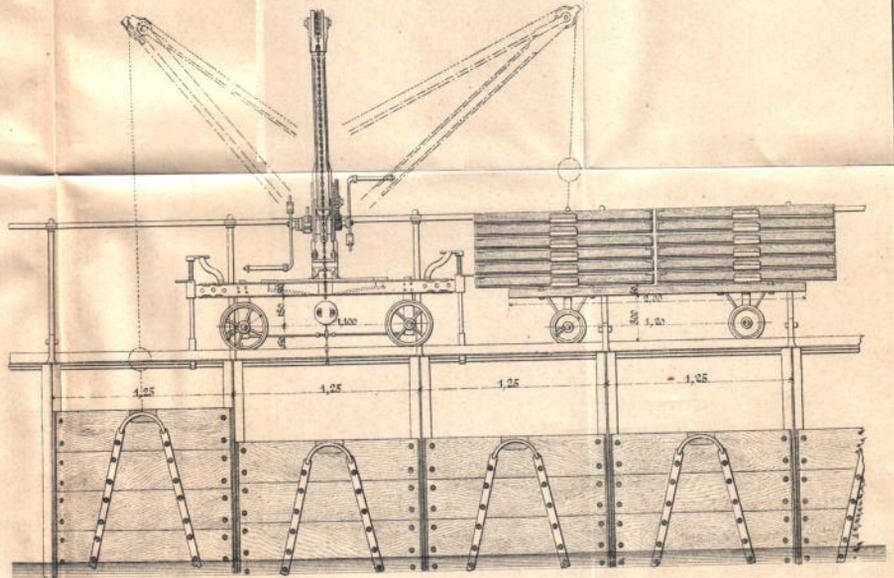


Поротый крайъ 300 кв.

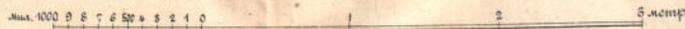
Черт. 3.



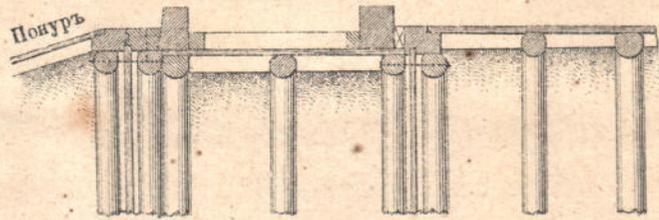
Черт. 4.



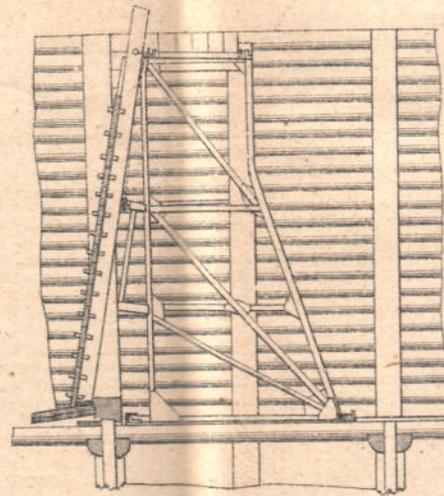
Масштабъ.



Черт. 1.

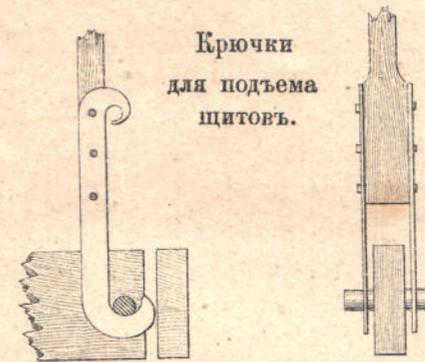


Черт. 3.
Боковой видъ
фермы и устоя

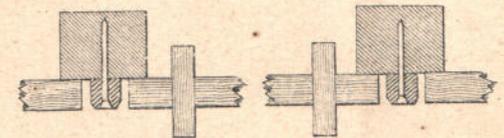


Черт. 4.

Крючки
для подъема
щитовъ.



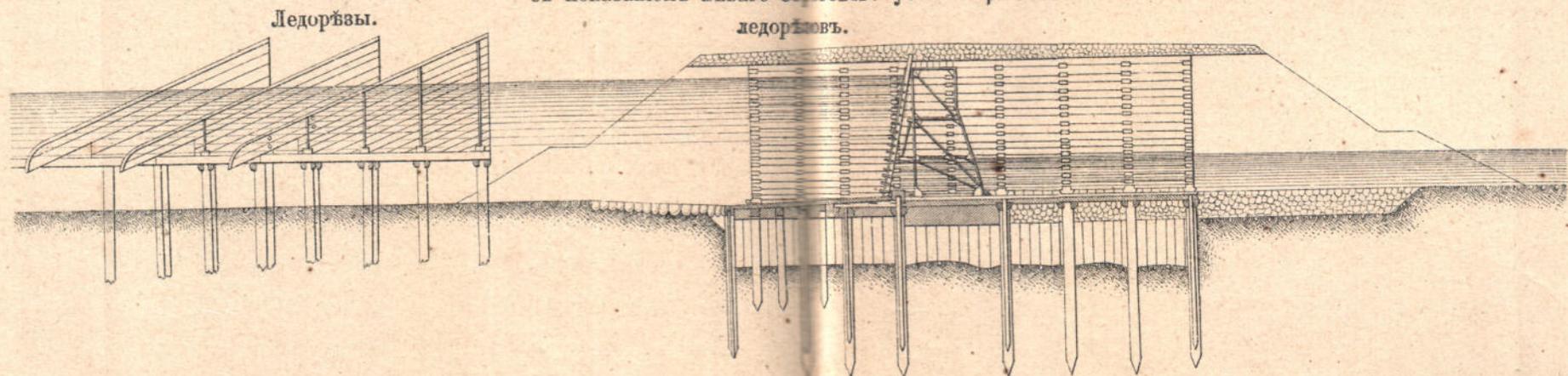
Разрѣзъ щитовъ и стоевъ.



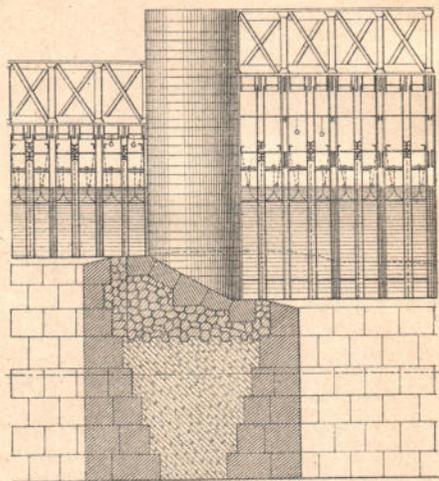
Черт. 2.

Поперечный разрѣзъ

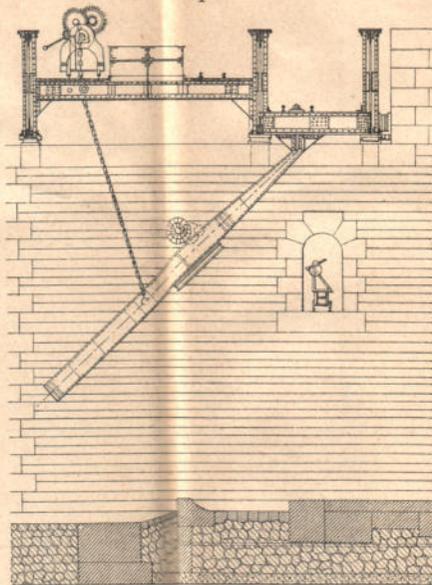
съ показаніемъ лѣваго берегового устоя и рѣчныхъ
ледорѣзовъ.



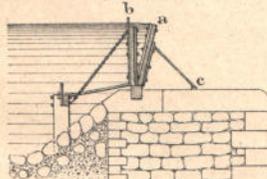
Черт. 1.



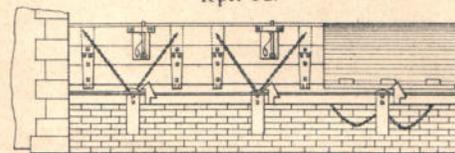
Черт. 2.



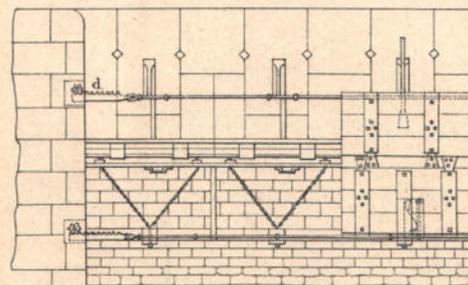
Черт. 3а.



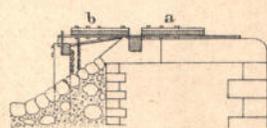
Черт. 3в.



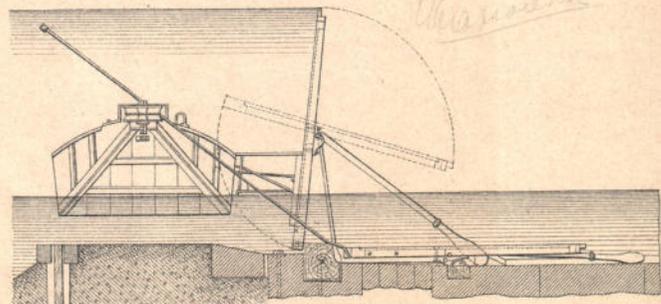
Черт. 3г.



Черт. 3б.



Черт. 4.



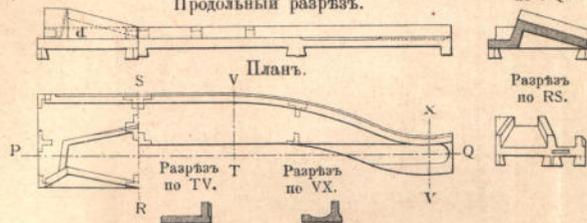
Черт. 5.

Разрѣзъ по ЕФ. Фасадъ.



Черт. 6.

Продольный разрѣзъ.



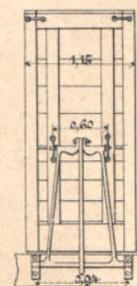
Разрѣзъ по PQ.



Разрѣзъ по RS.



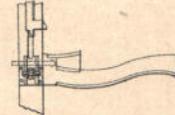
Черт. 7а.



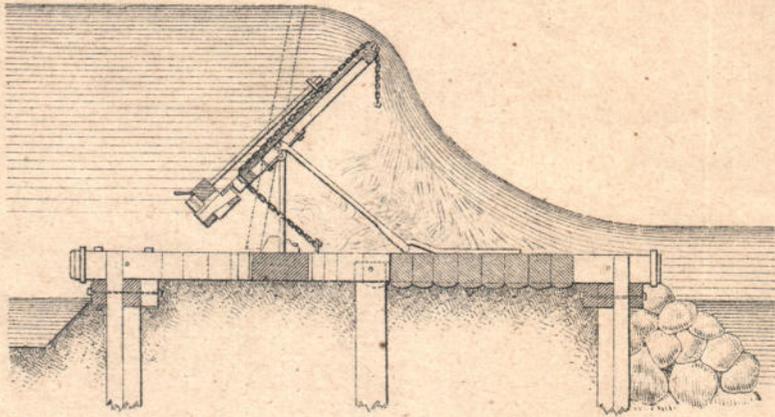
Черт. 7б.



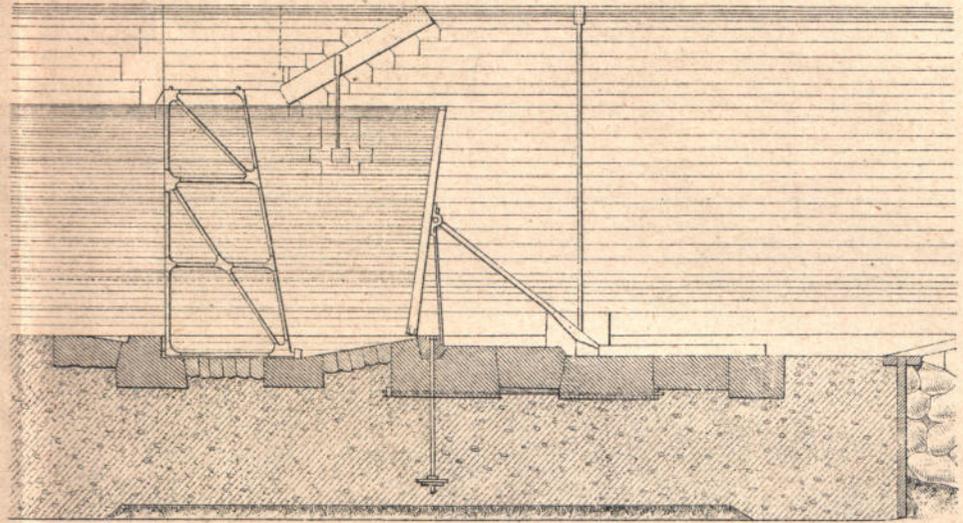
Черт. 7в.



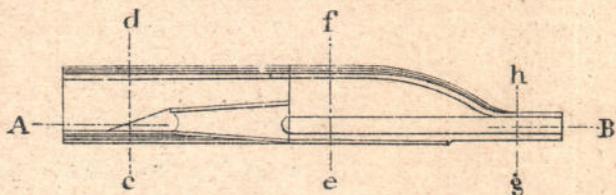
Черт. 1.



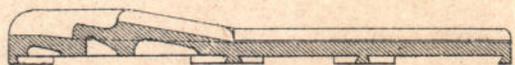
Черт. 2.



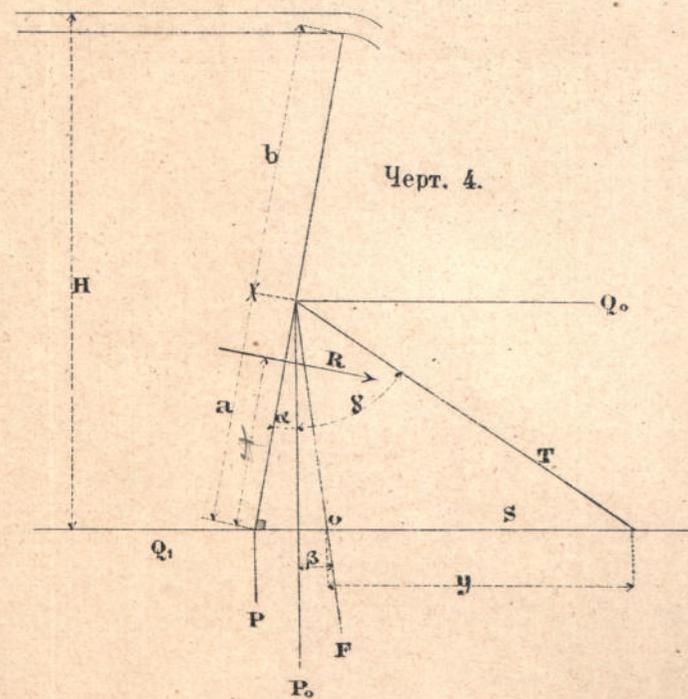
Черт. 3а.



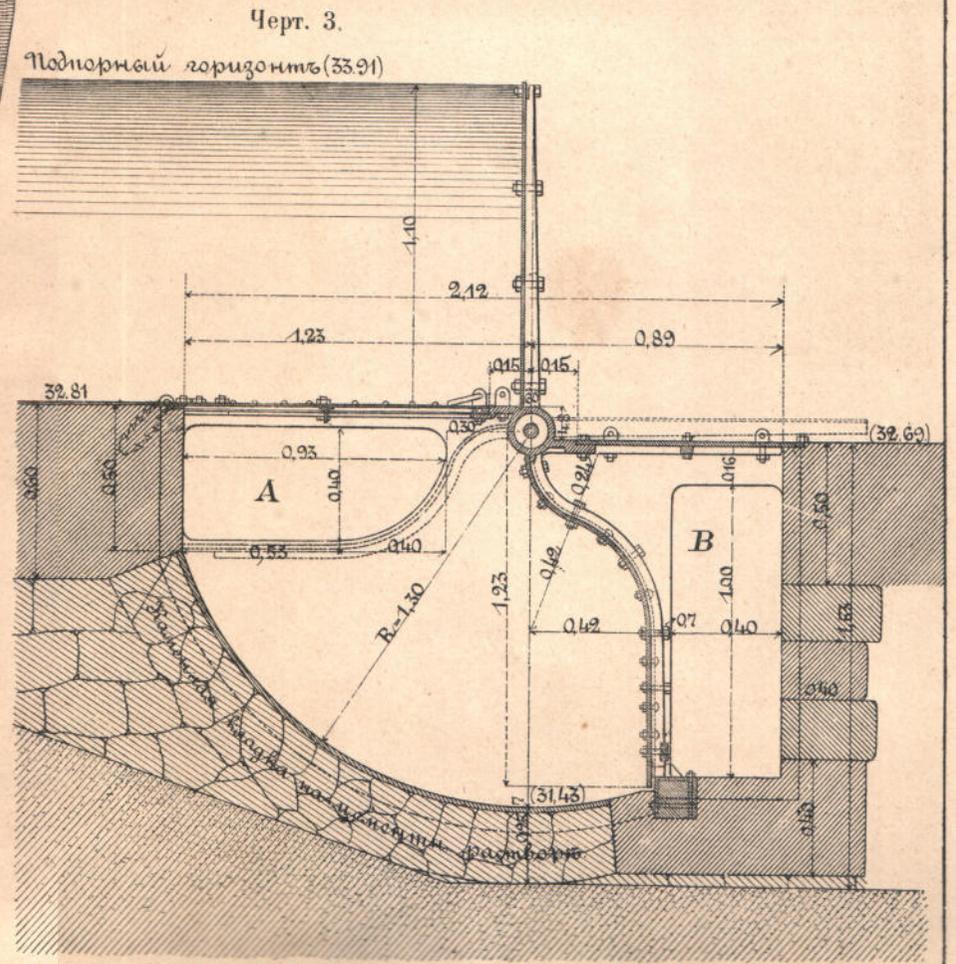
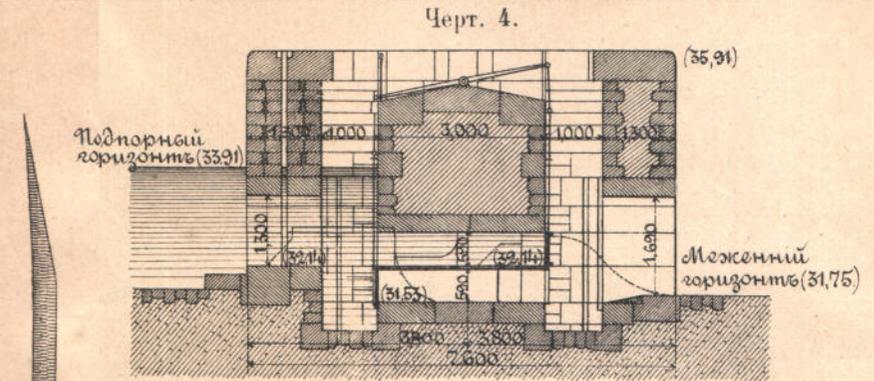
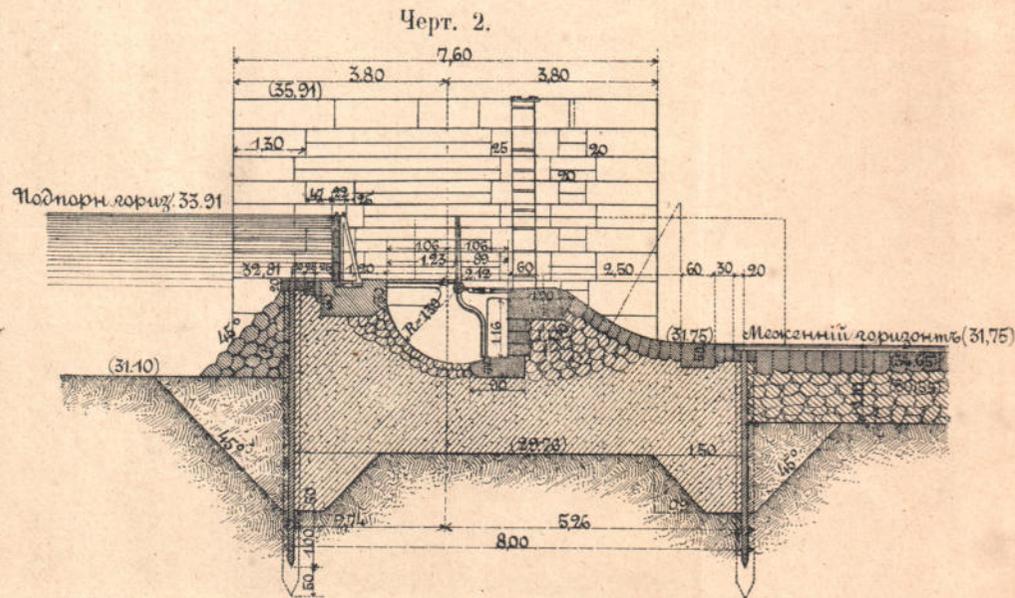
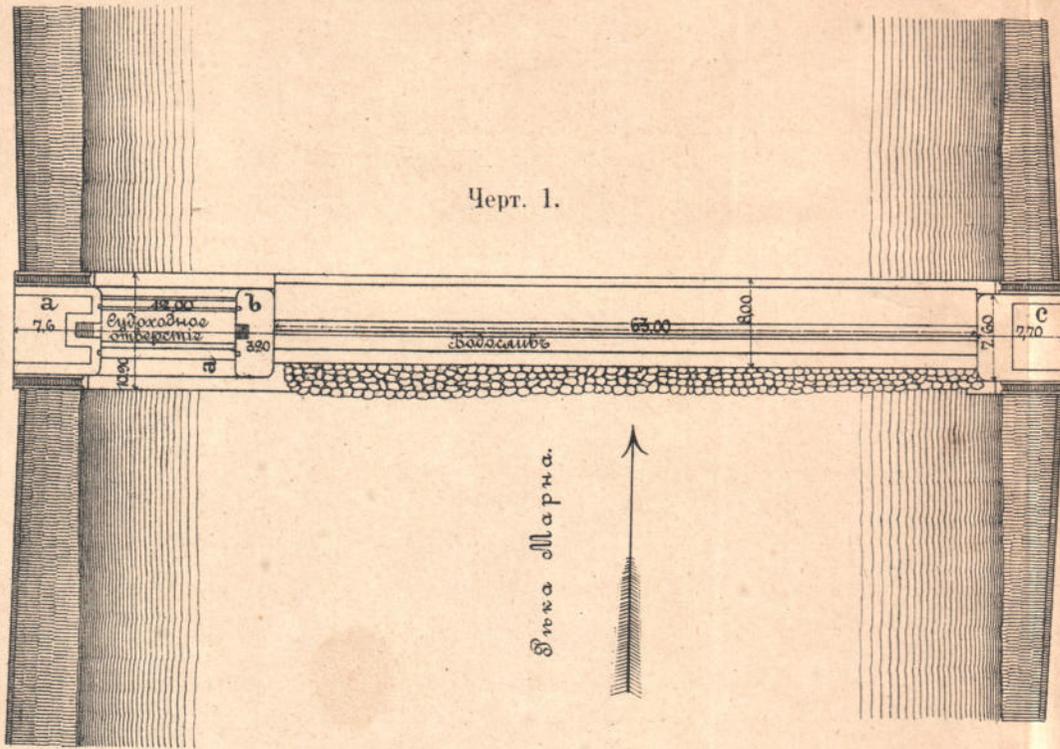
Черт. 3б. Разрѣзъ по АВ.

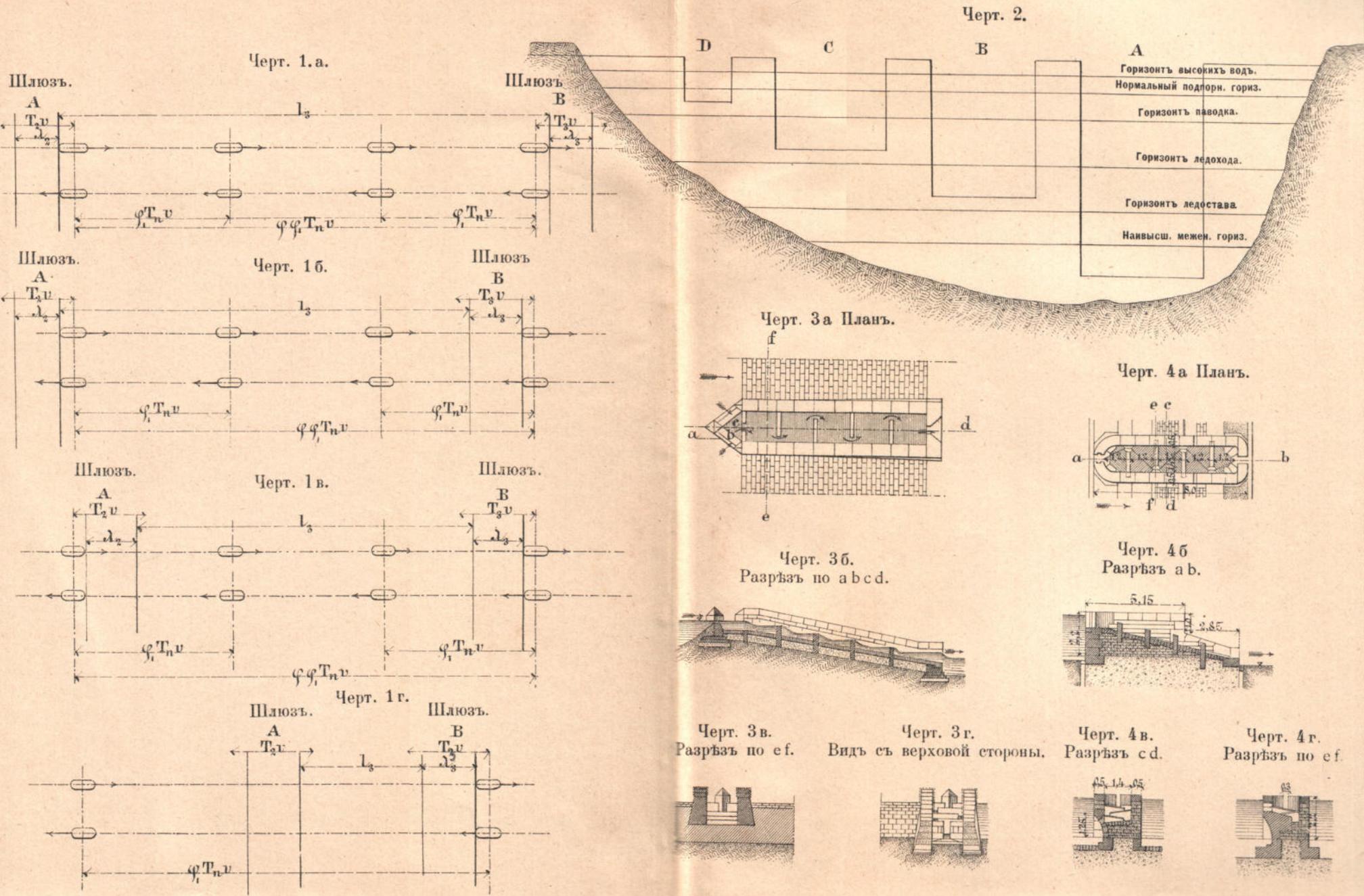


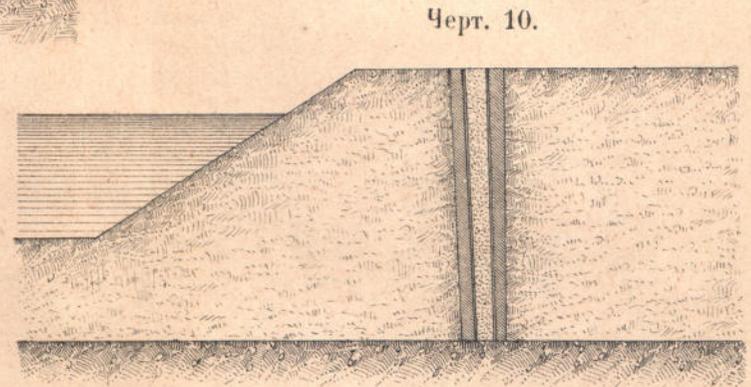
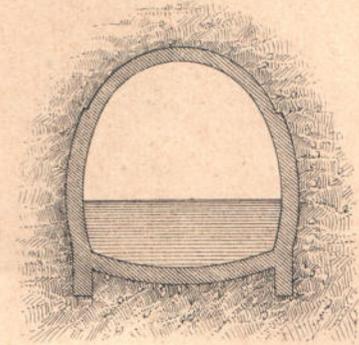
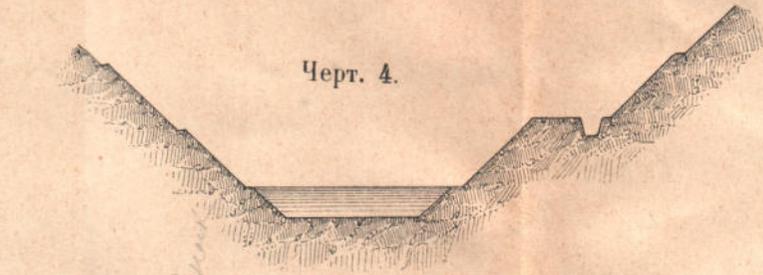
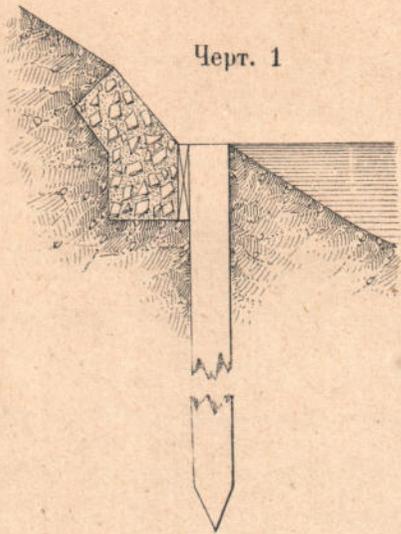
Черт. 3в.



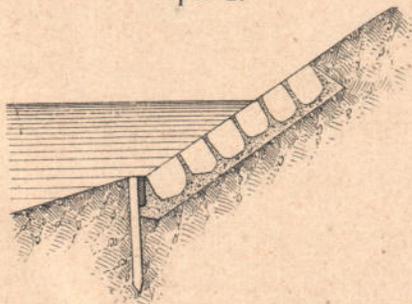
Черт. 4.



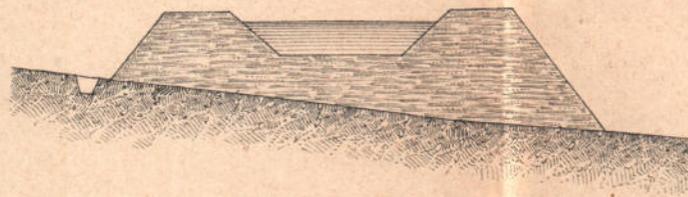




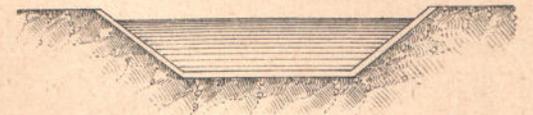
Черт. 2.



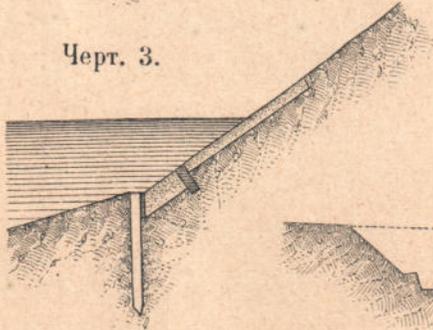
Черт. 7.



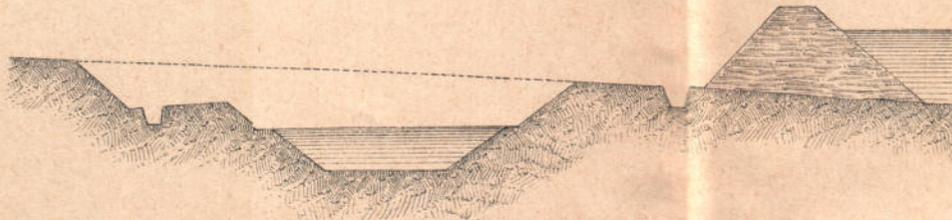
Черт. 11.



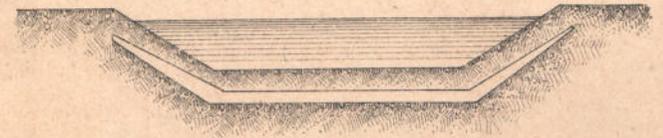
Черт. 3.



Черт. 8.

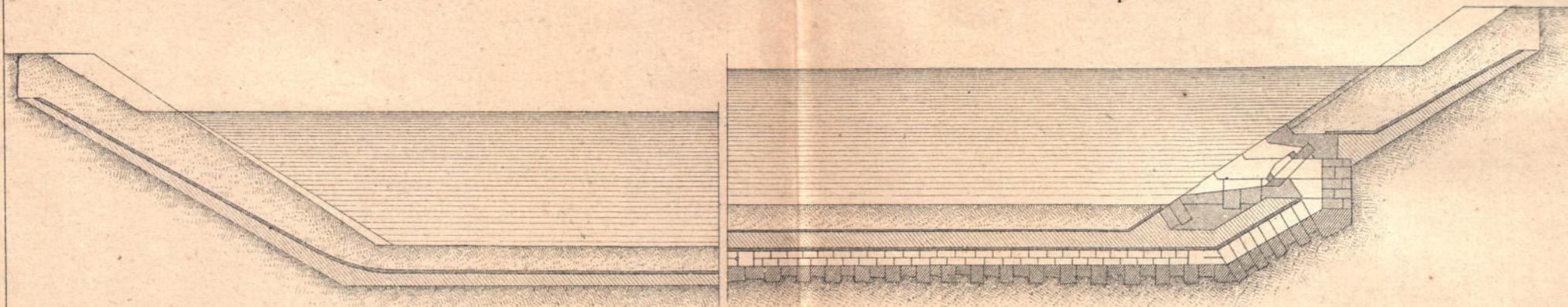


Черт. 12.



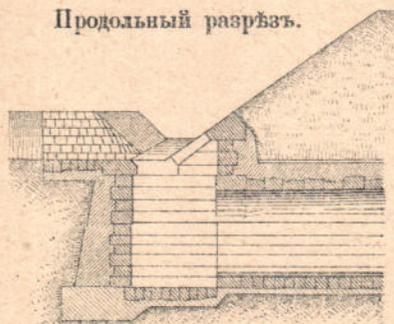
Черт. 1.

Черт. 2.

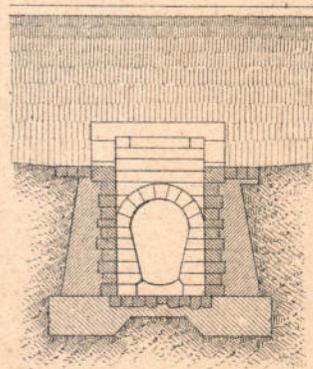


Продольный разръзъ.

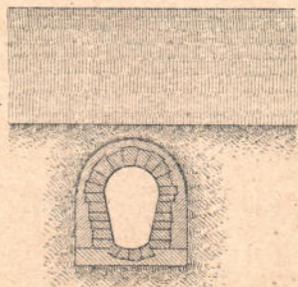
Черт. 3.



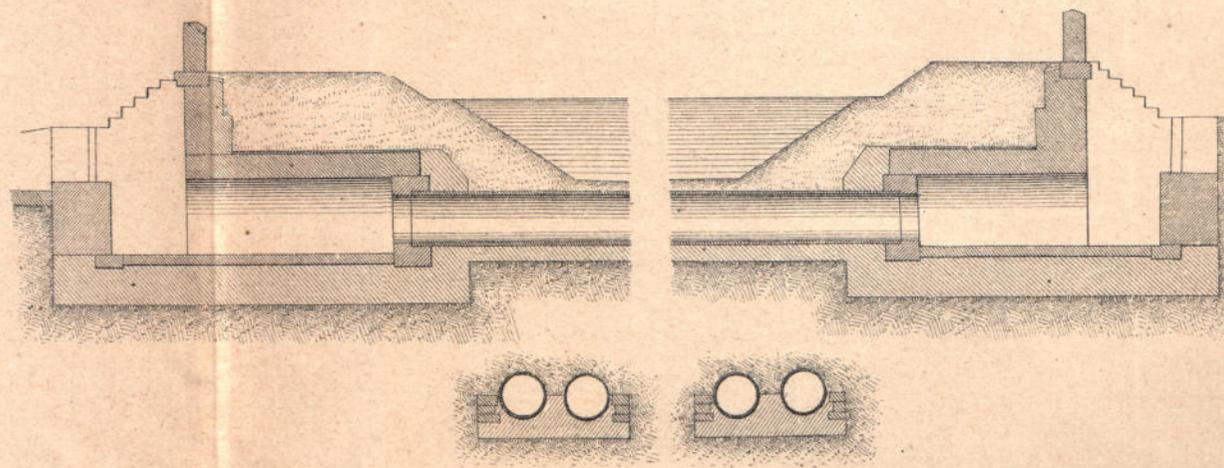
Поперечный разръзъ по колодцу.



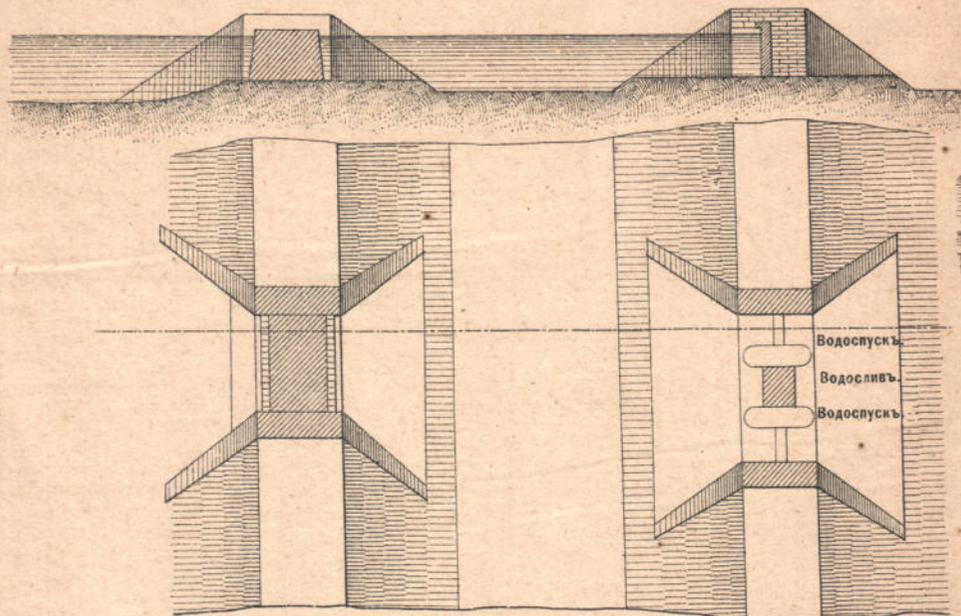
Поперечный разръзъ по оси канала.



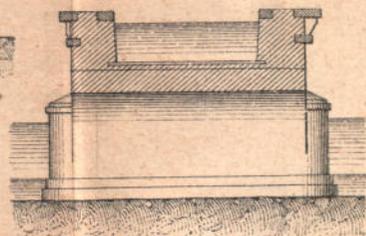
Черт. 4.



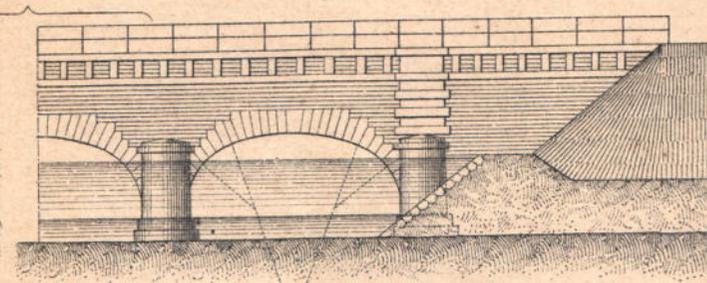
Черт. 1. Разрѣзь по АВ.



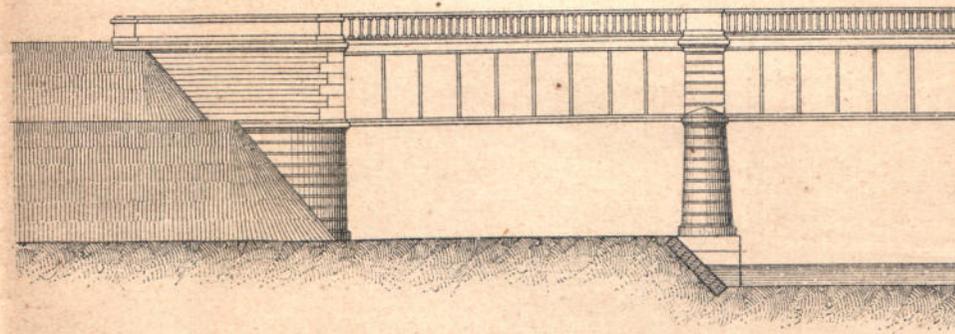
Поперечный разрѣзь.



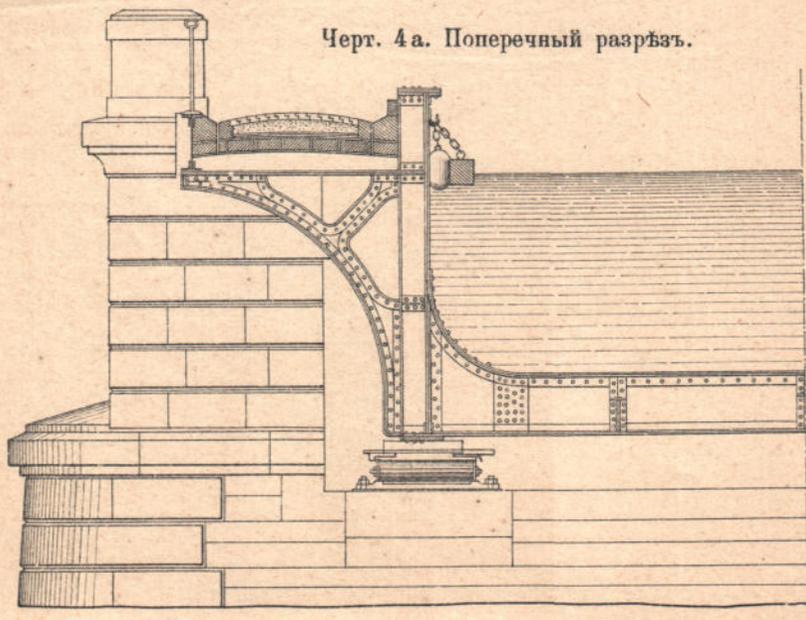
Фасадъ.



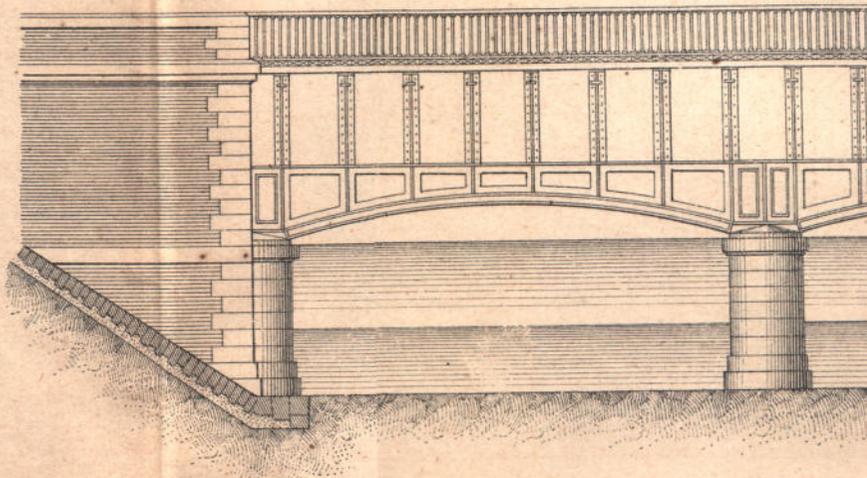
Черт. 4б. Фасадъ.



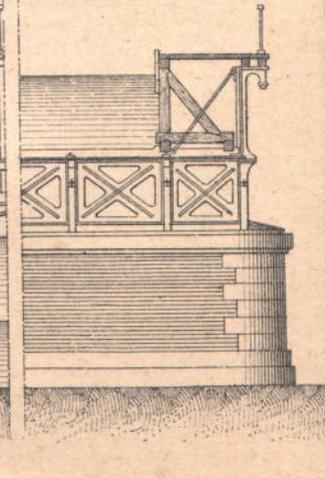
Черт. 4а. Поперечный разрѣзь.



Черт. 3а. Фасадъ.



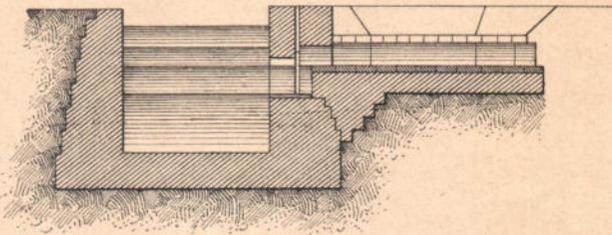
Черт. 3б. Поперечный разрѣзь.



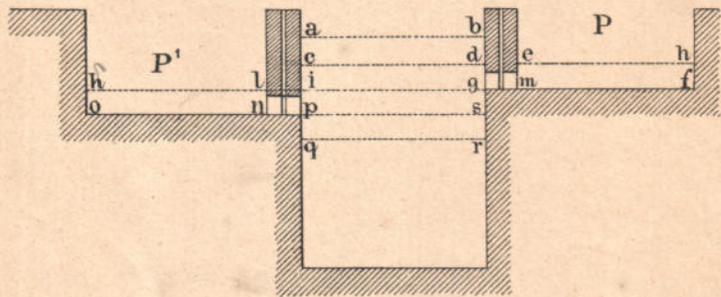
Черт. 1а Планъ.



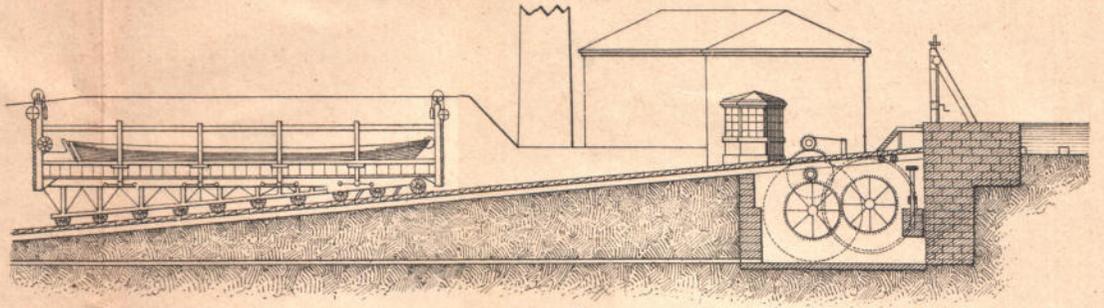
Черт. 1. Поперечный разръзъ.



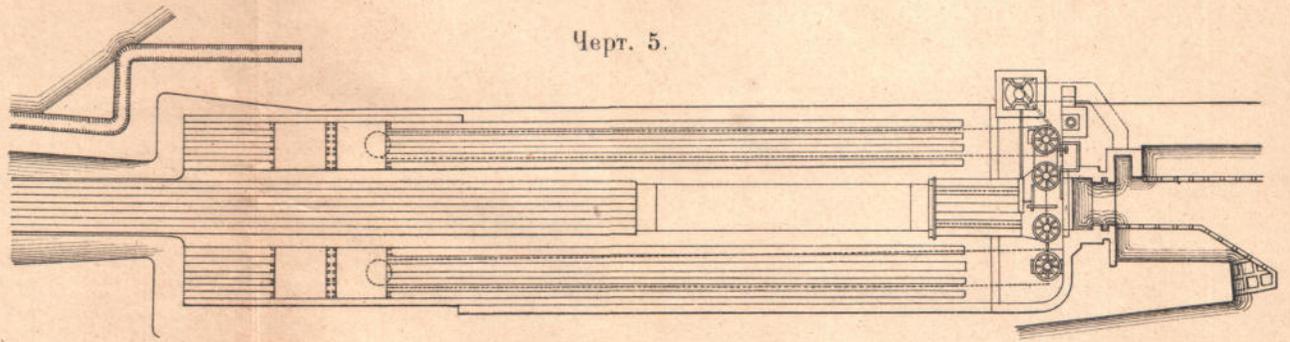
Черт. 2.



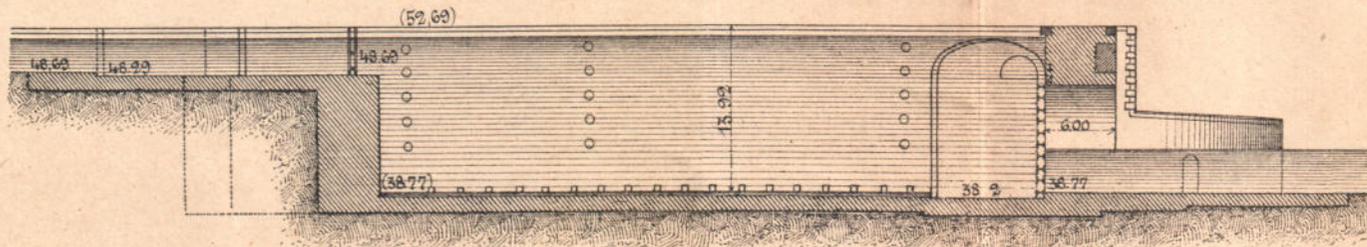
Черт. 4.



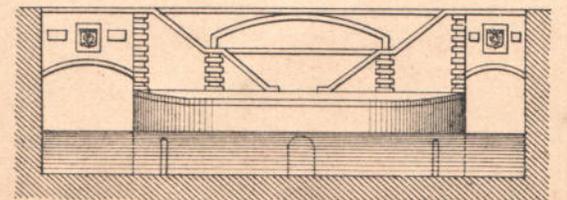
Черт. 5.



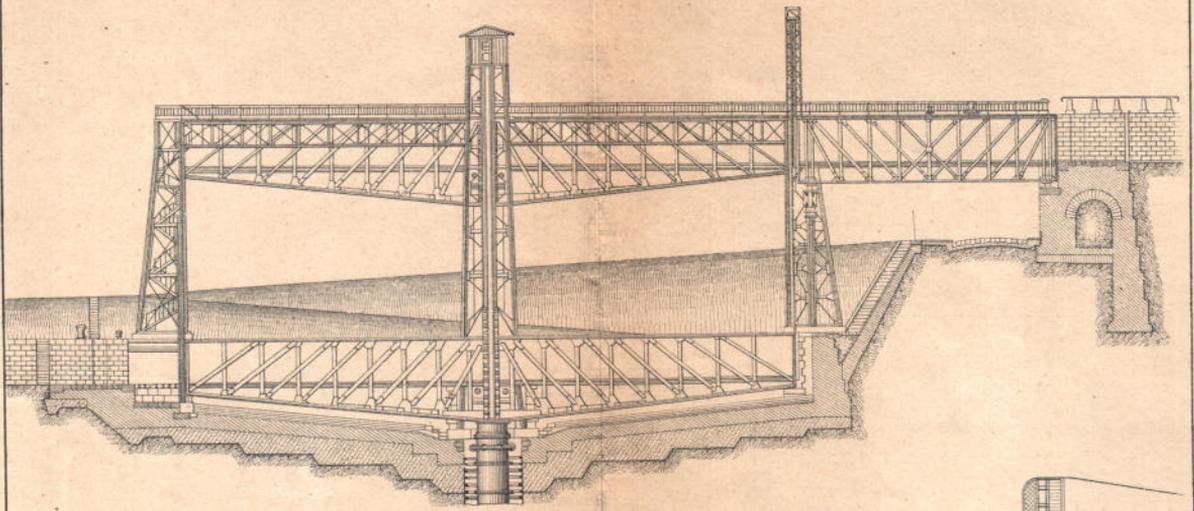
Черт. 3а.



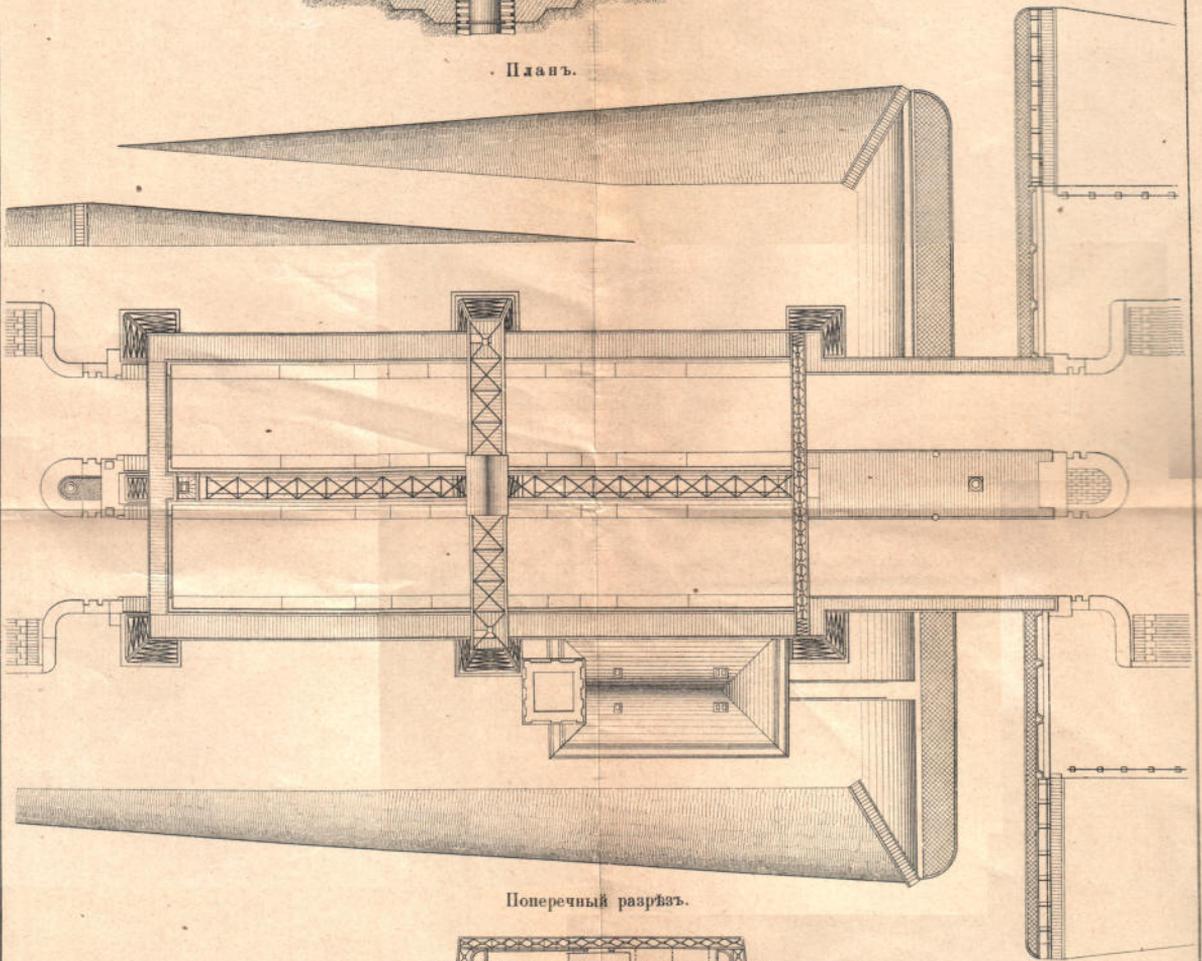
Черт. 3б.



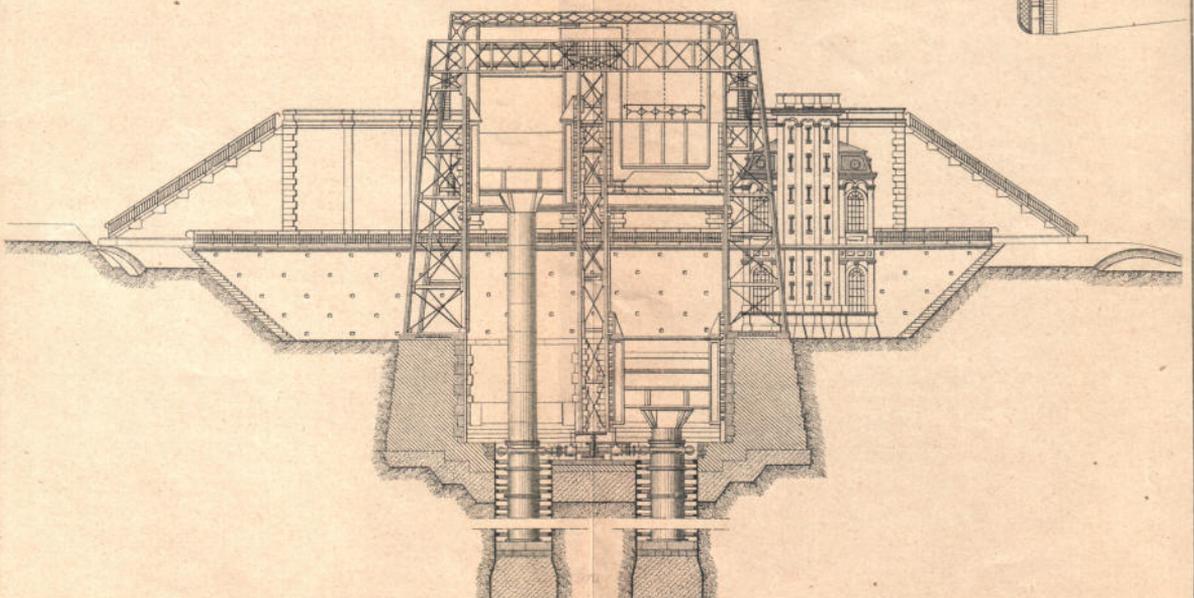
Продольный разръзъ.



Плавъ.



Поперечный разръзъ.



2018

