

TRAITÉ PRATIQUE
DE LA
FABRICATION ET DE LA DISTRIBUTION
DU GAZ D'ÉCLAIRAGE
ET DE CHAUFFAGE

TRAITÉ PRATIQUE

LABORATOIRE ET DE LA MÉTHODE

DES GAZ DÉCOLORÉS

ET DE CHAUFFAGE

CORBELL, typographie et stéréotypie de Caëte

Q. 11460-2

Q
11460-2

TRAITÉ PRATIQUE
DE LA FABRICATION ET DE LA DISTRIBUTION
DU GAZ D'ÉCLAIRAGE
ET DE CHAUFFAGE

OUVRAGE ACCOMPAGNÉ DE 28 PLANCHES COTÉES

ET DE NOMBREUSES FIGURES DANS LE TEXTE

PAR

SAMUEL CLEGG

M. INST. C.E., F.G.S.

TRADUIT DE L'ANGLAIS ET ANNOTÉ

PAR ED. SERVIER, INGÉNIEUR CIVIL

SOUS-CHEF DU SERVICE DES USINES DE LA COMPAGNIE PARISIENNE D'ÉCLAIRAGE
ET DE CHAUFFAGE PAR LE GAZ.



ATLAS



Exclu du prêt

BIBLIOTHÈQUE DE L'USFL	
Cote	665.7
Niv.	3
Salle	MAG
Inv.	Q11460-2

PARIS

LIBRAIRIE SCIENTIFIQUE, INDUSTRIELLE ET AGRICOLE

E. LACROIX

ANCIENNE MAISON MATHIAS

15, QUAI MALAQUAIS

1860





Fig. 2.

Fig. 1.

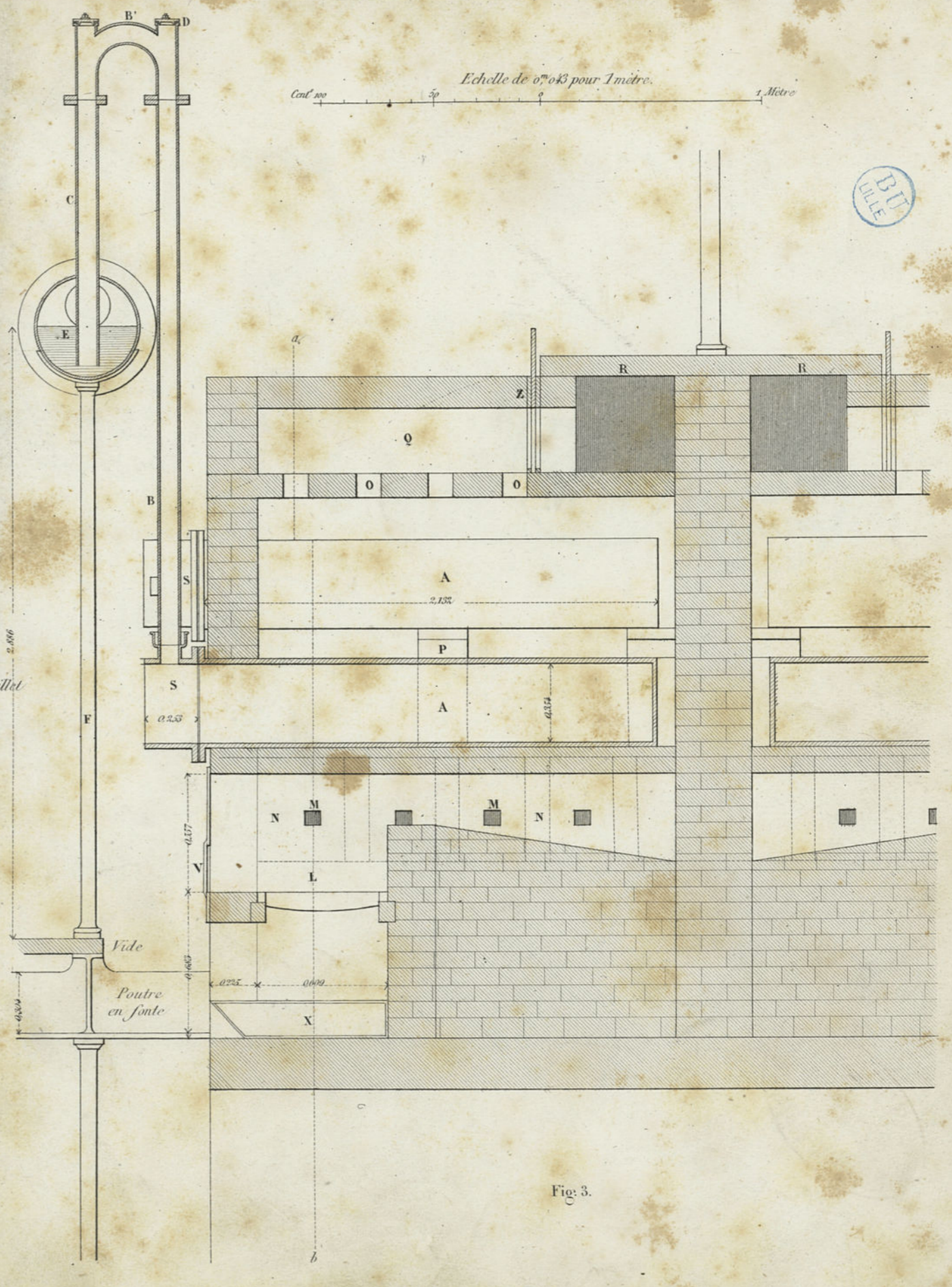


Fig. 3.

Echelle de 0^m03 pour 1 mètre.



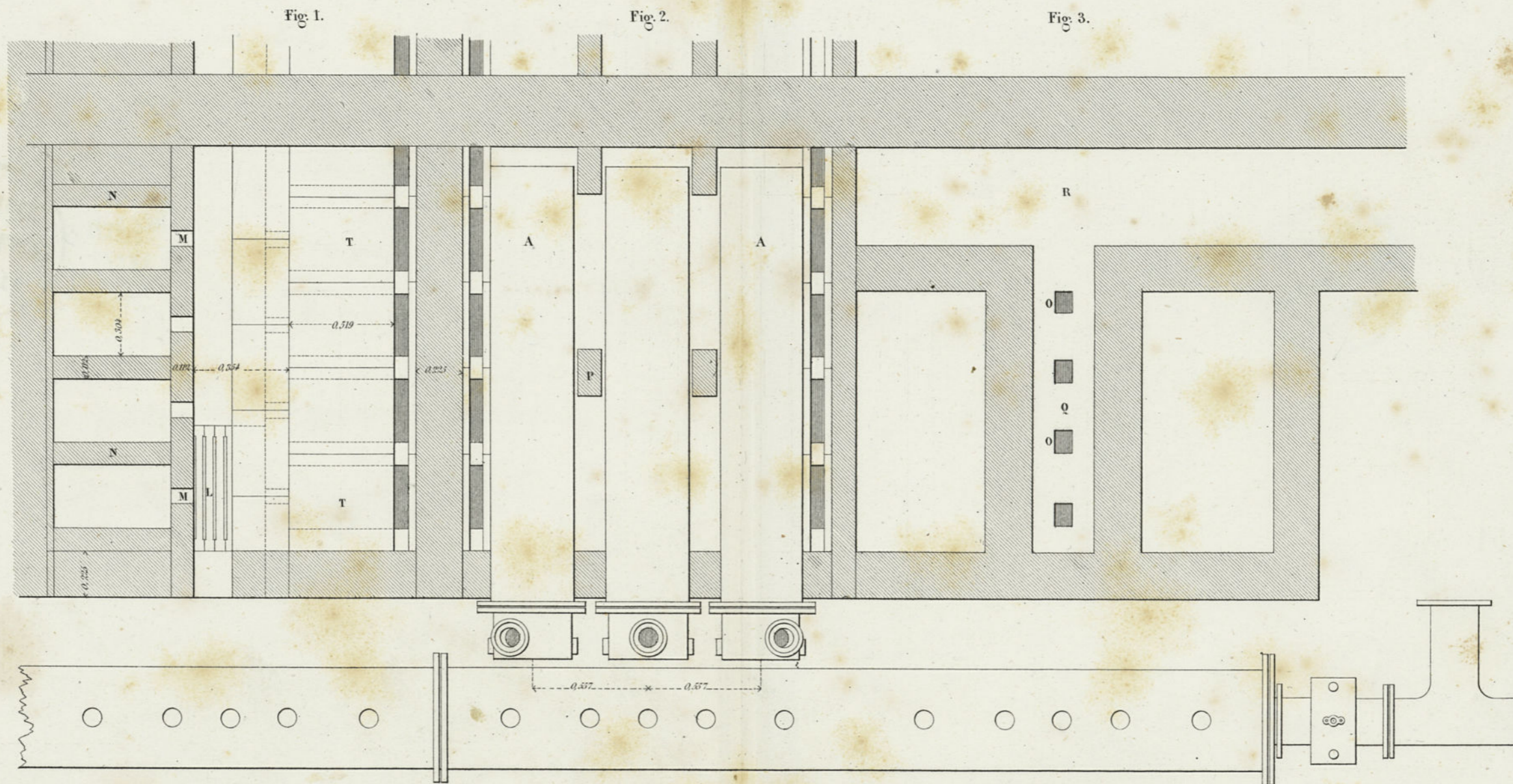


Fig. 2.

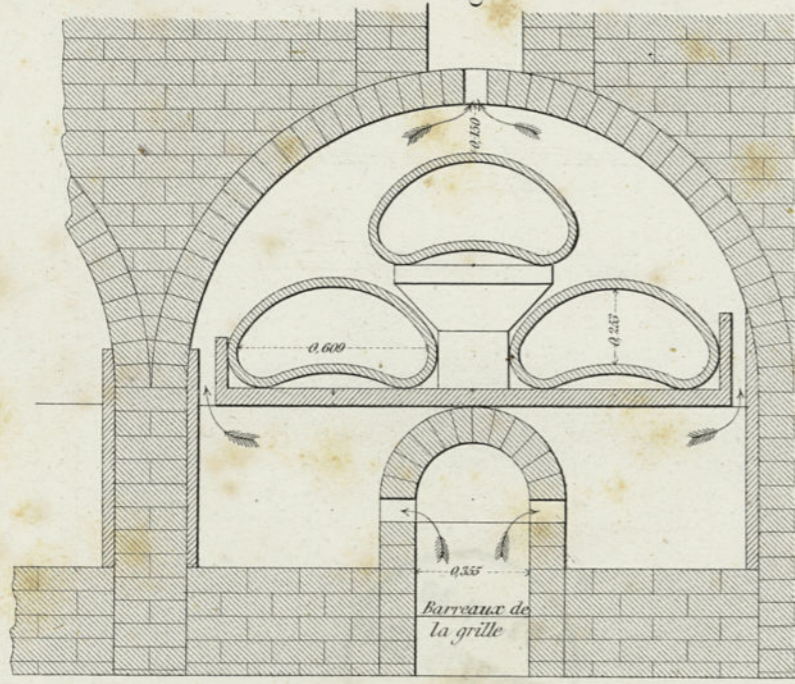


Fig. 1.

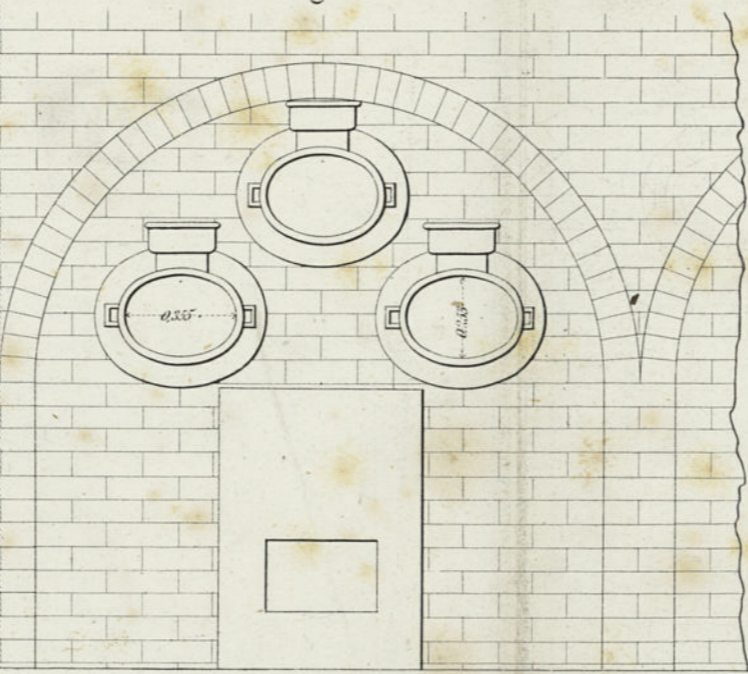


Fig. 3.

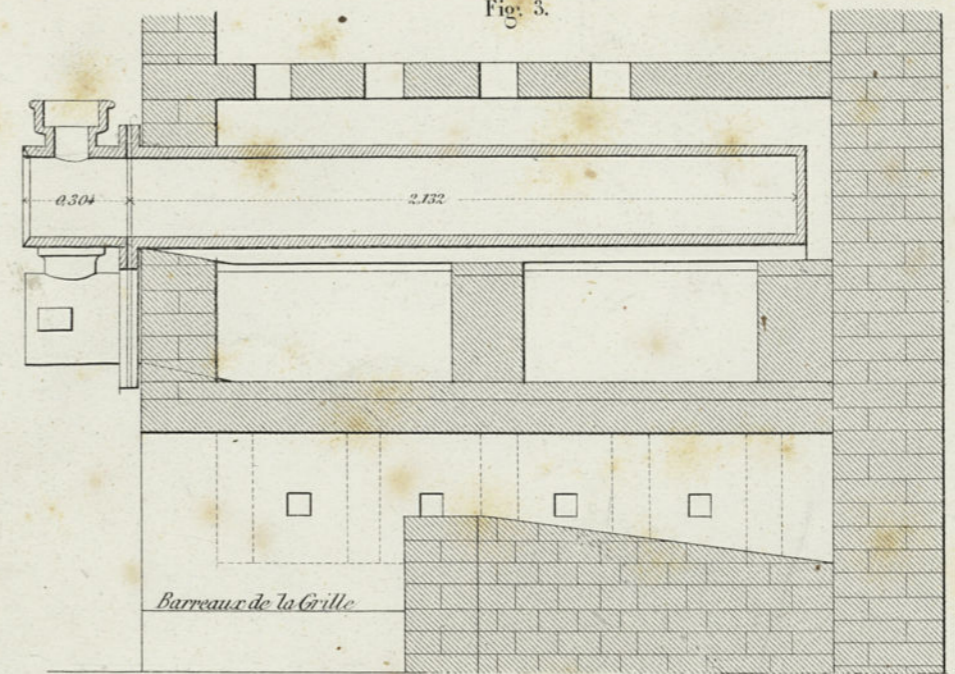


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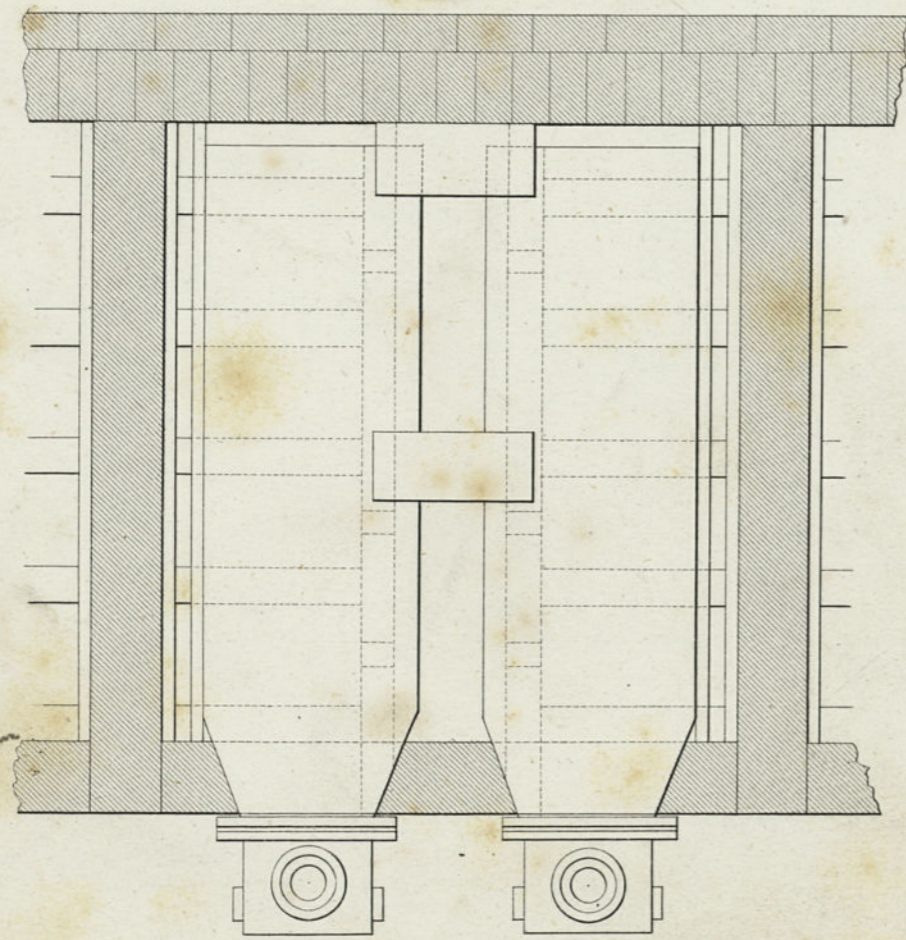


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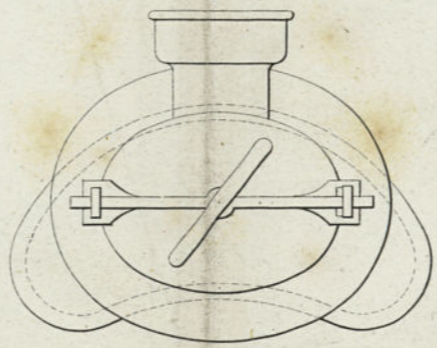


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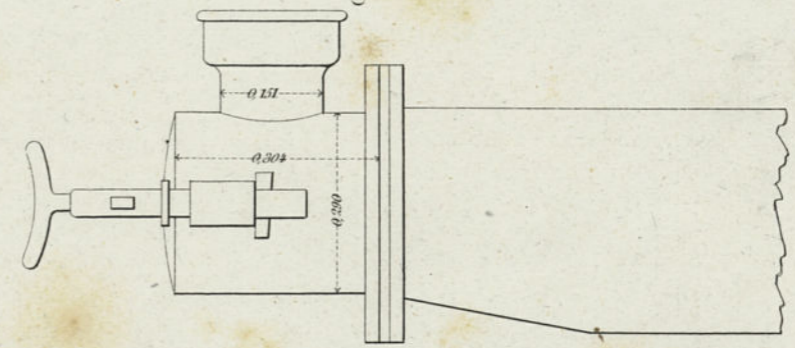
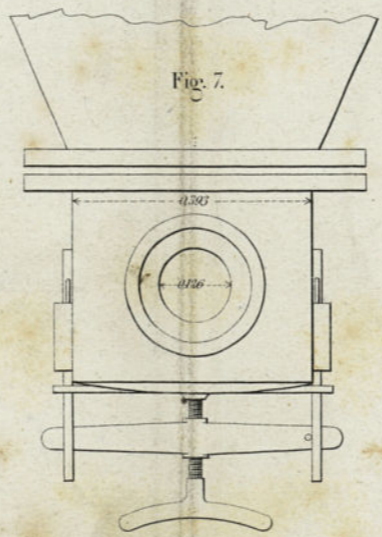


Fig. 7.



Echelle de 0^m.085 pour 1 mètre pour les Figures 5, 6, 7.

Echelle de 0^m.043 pour 1 mètre pour les Figures 1, 2, 3, 4.

Fig. 1.

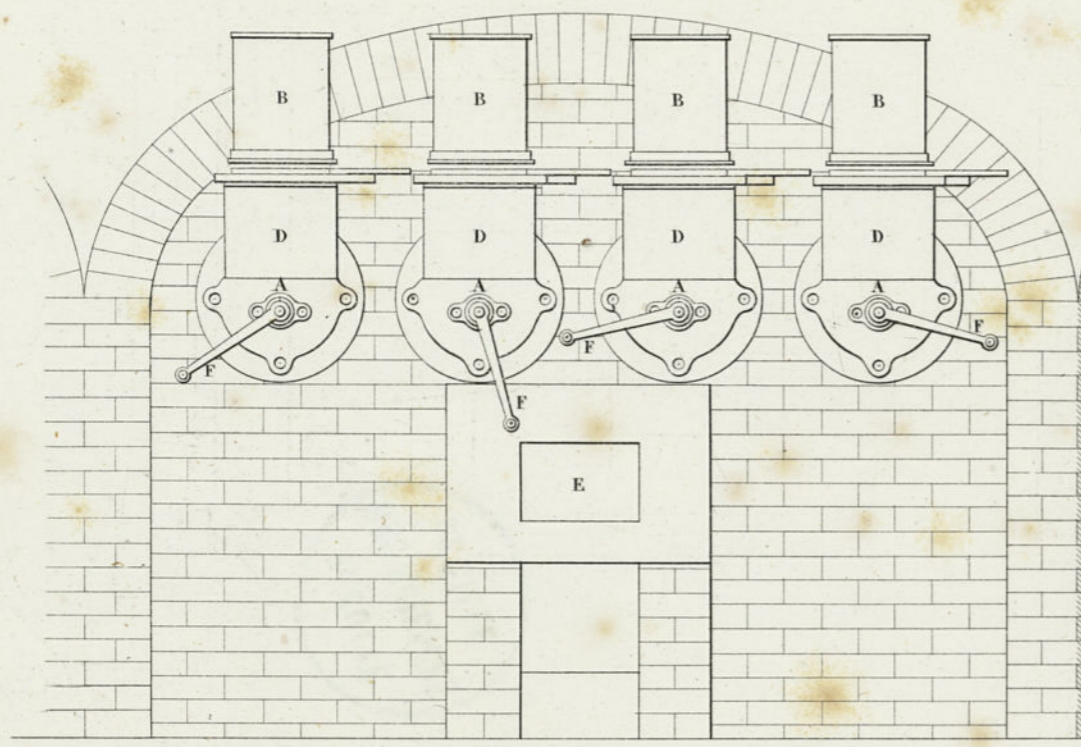


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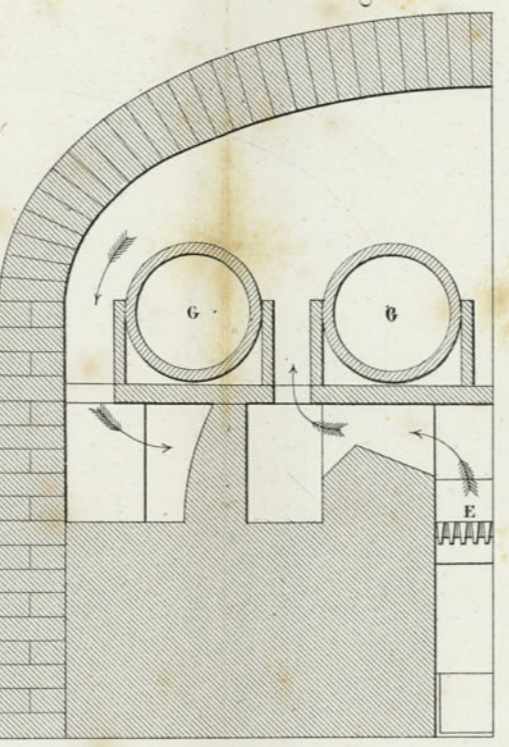


Fig. 3.

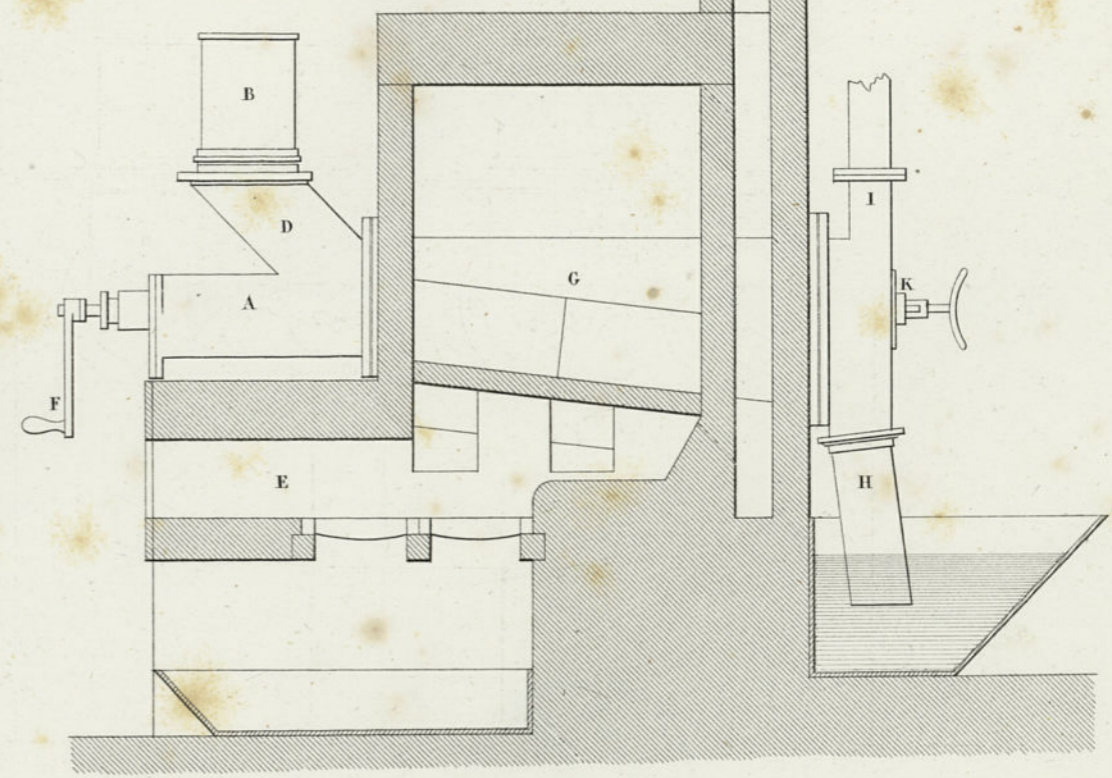
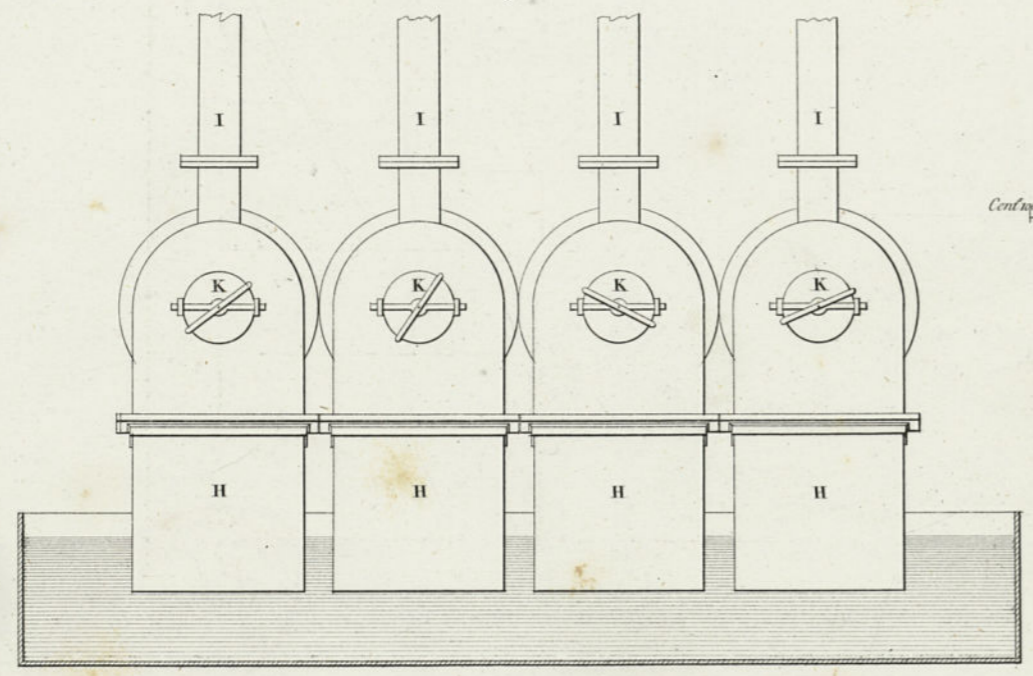


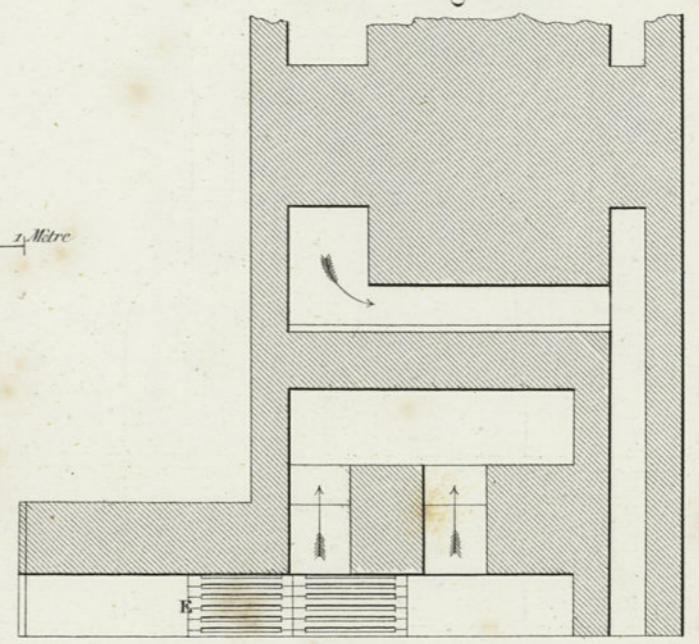
Fig. 4.



Echelle de 0^m 043 pour 1 mètre.

Centimètres 50 0 1 Mètre

Fig. 5.



BUT
LILLE

Fig. 1.

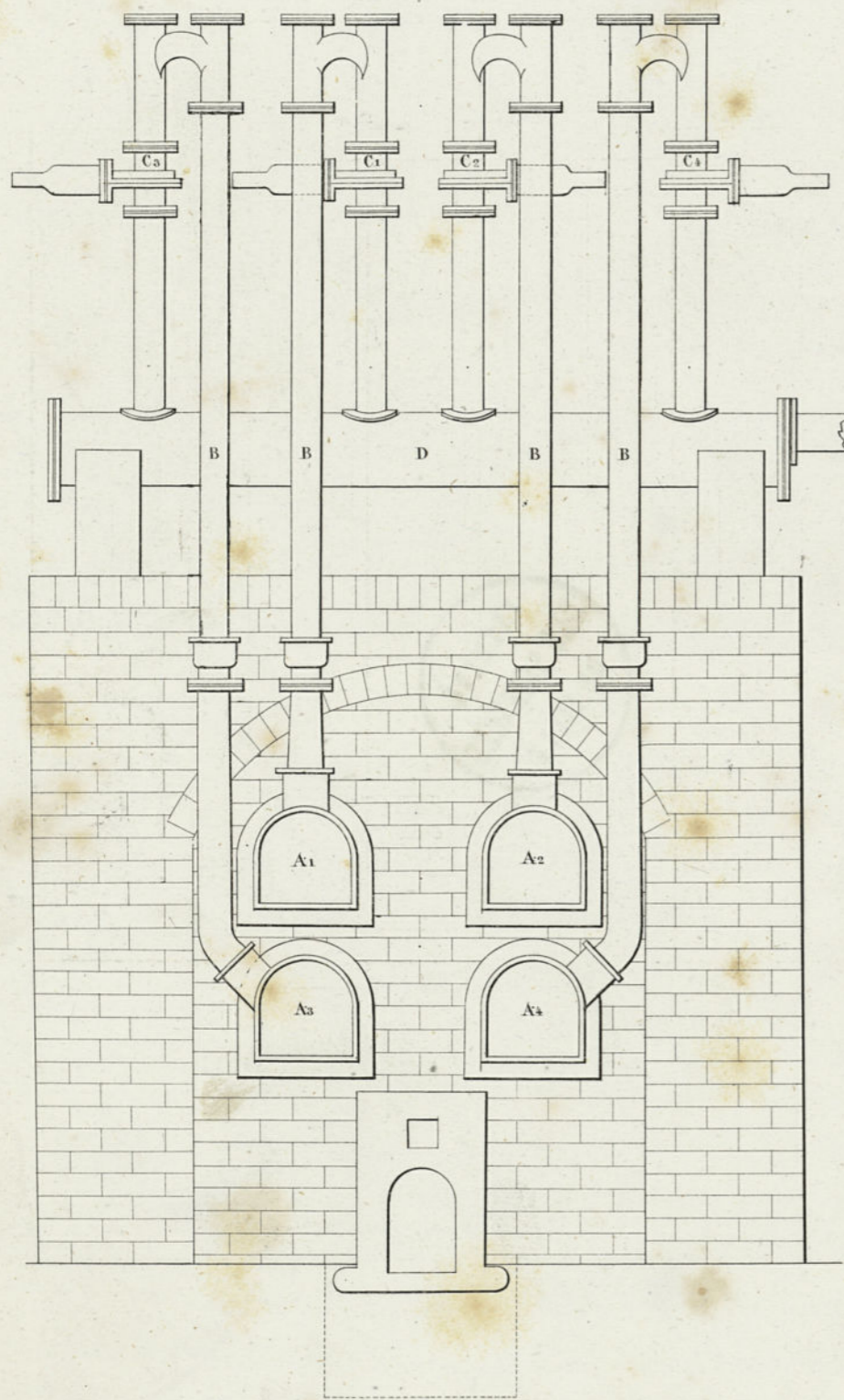


Fig. 2.

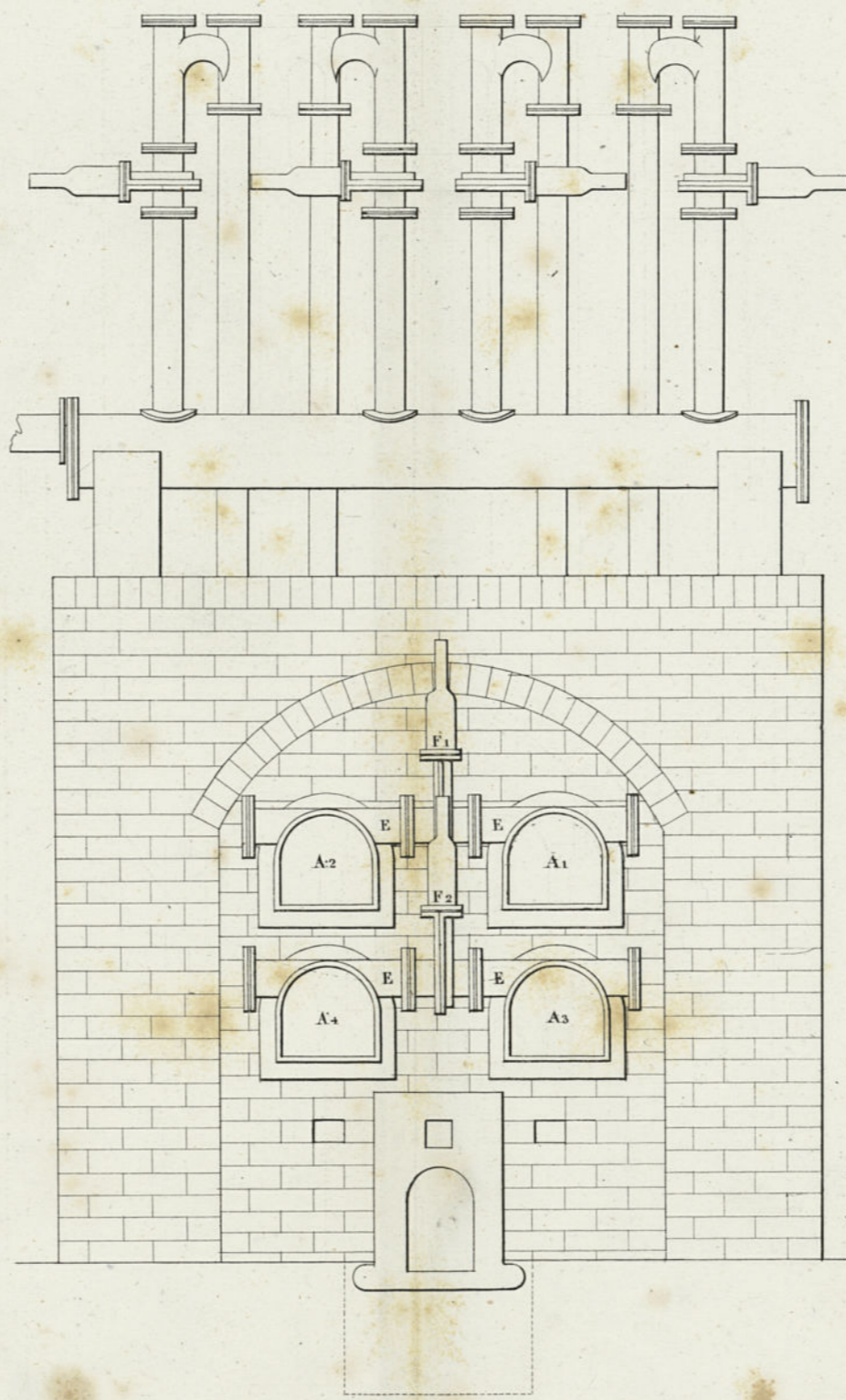
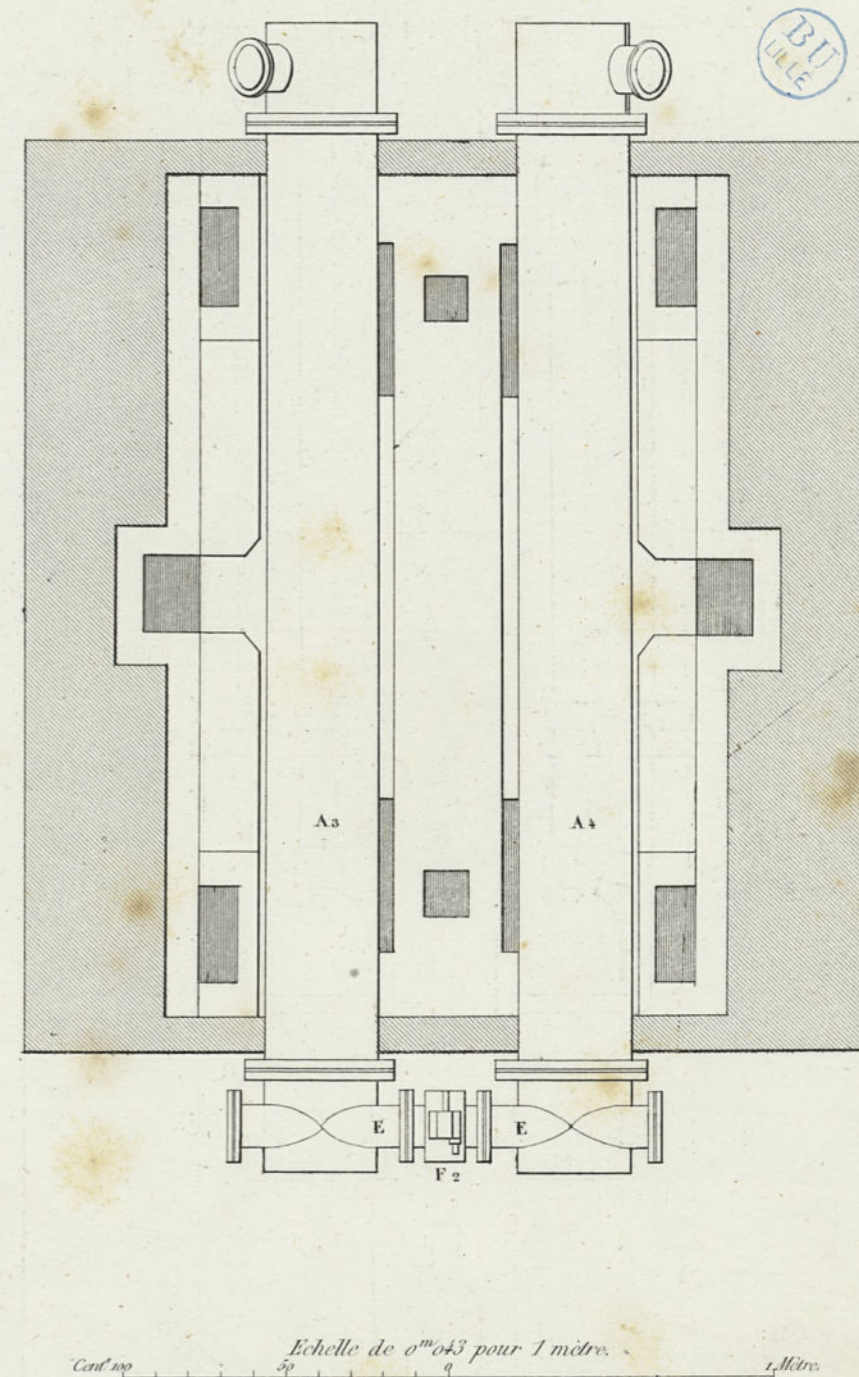
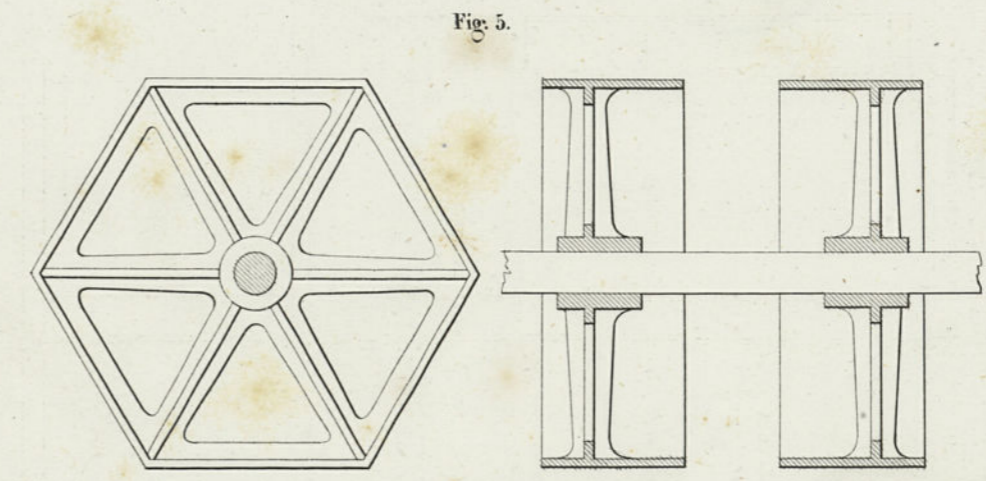
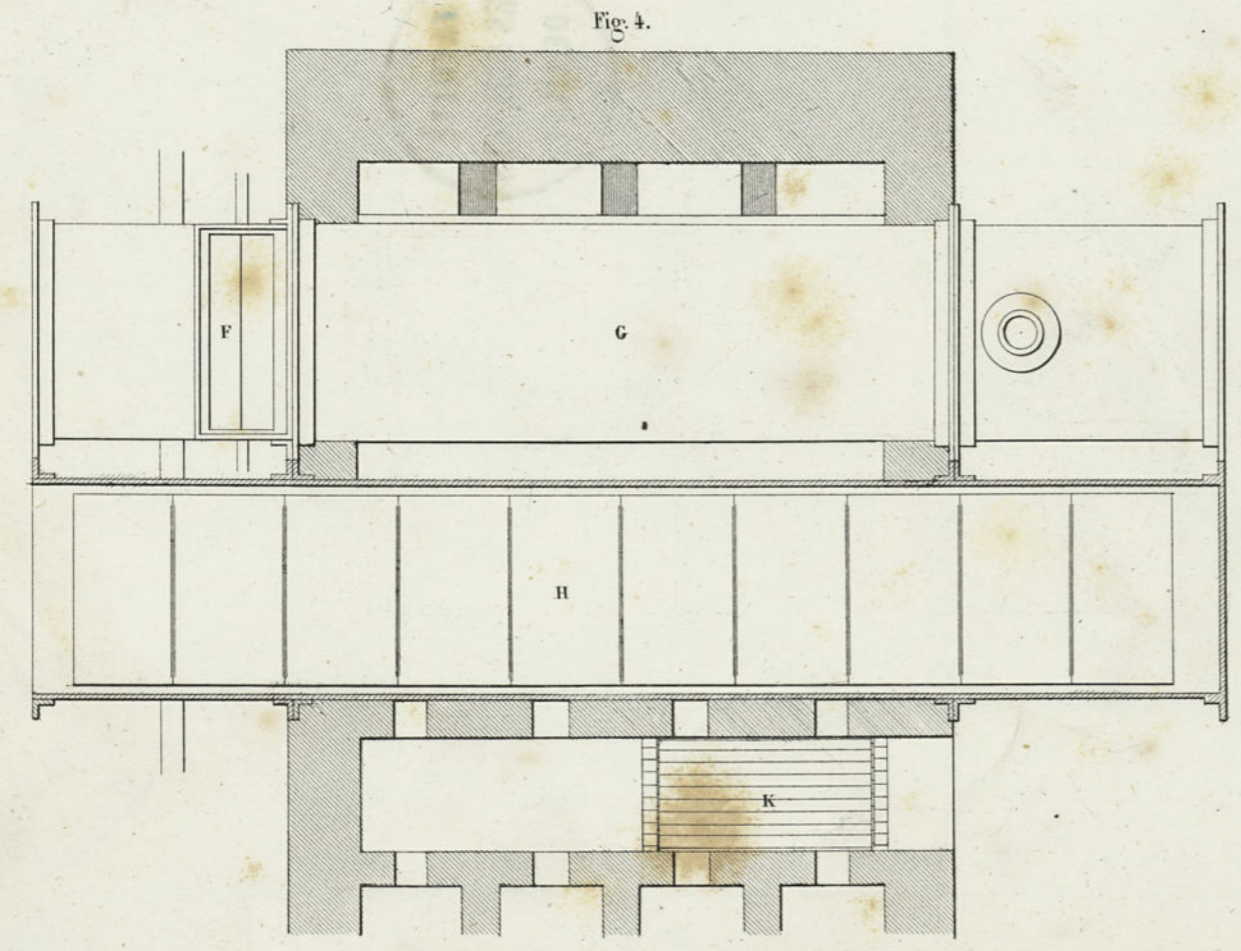
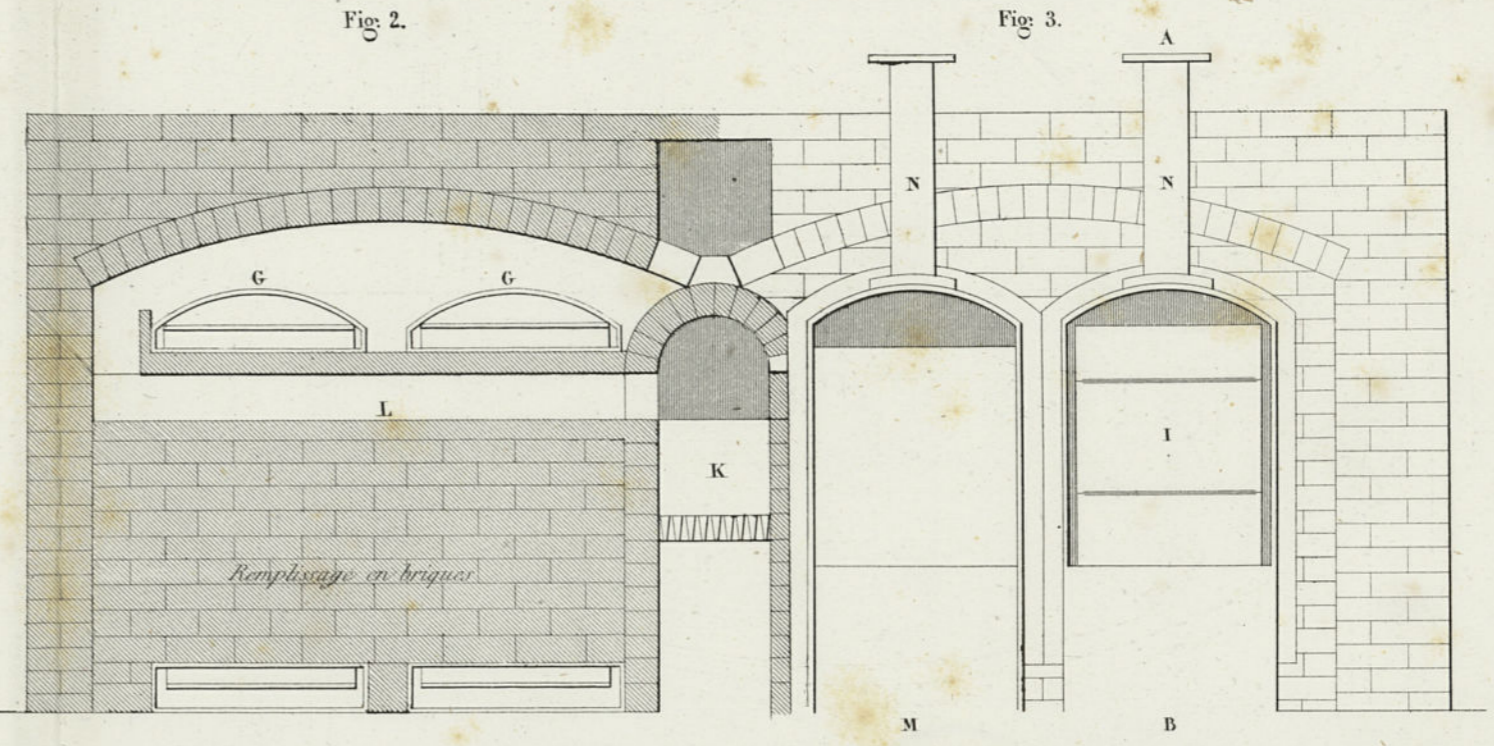
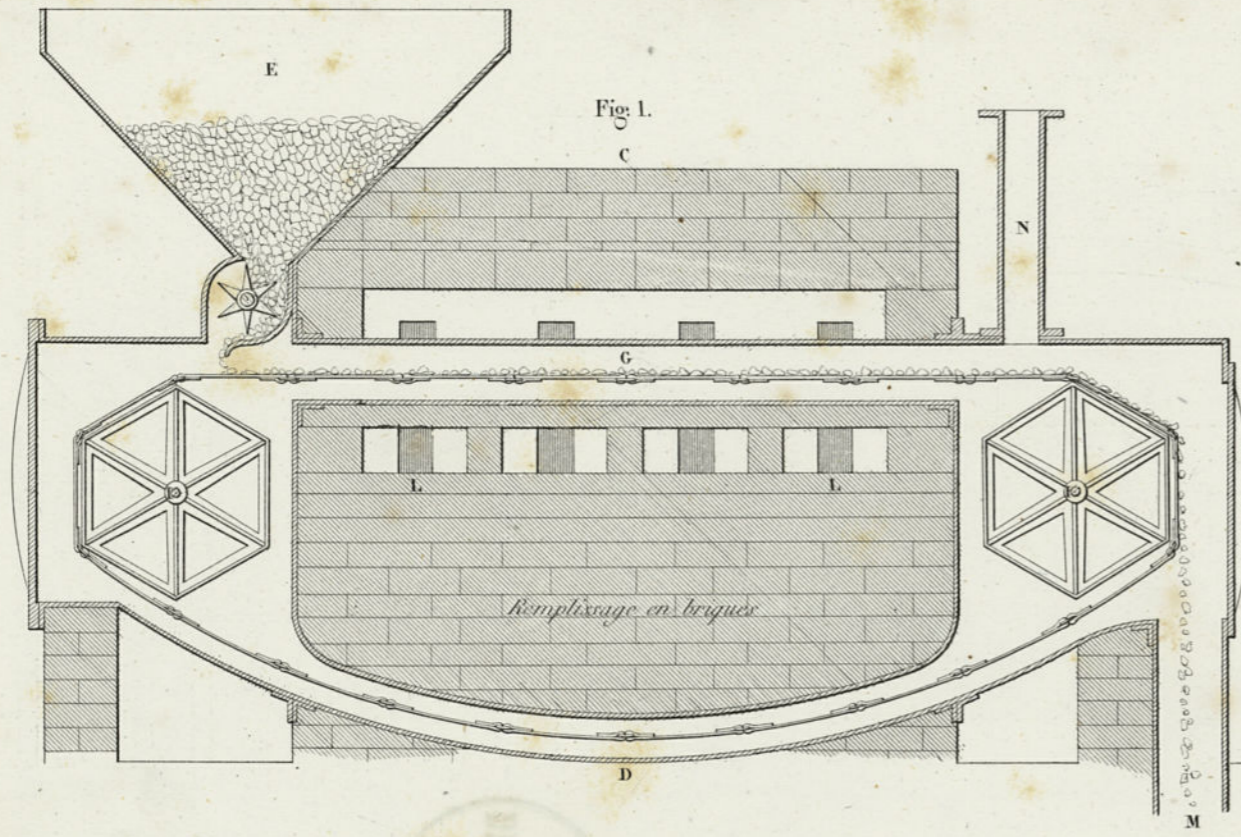


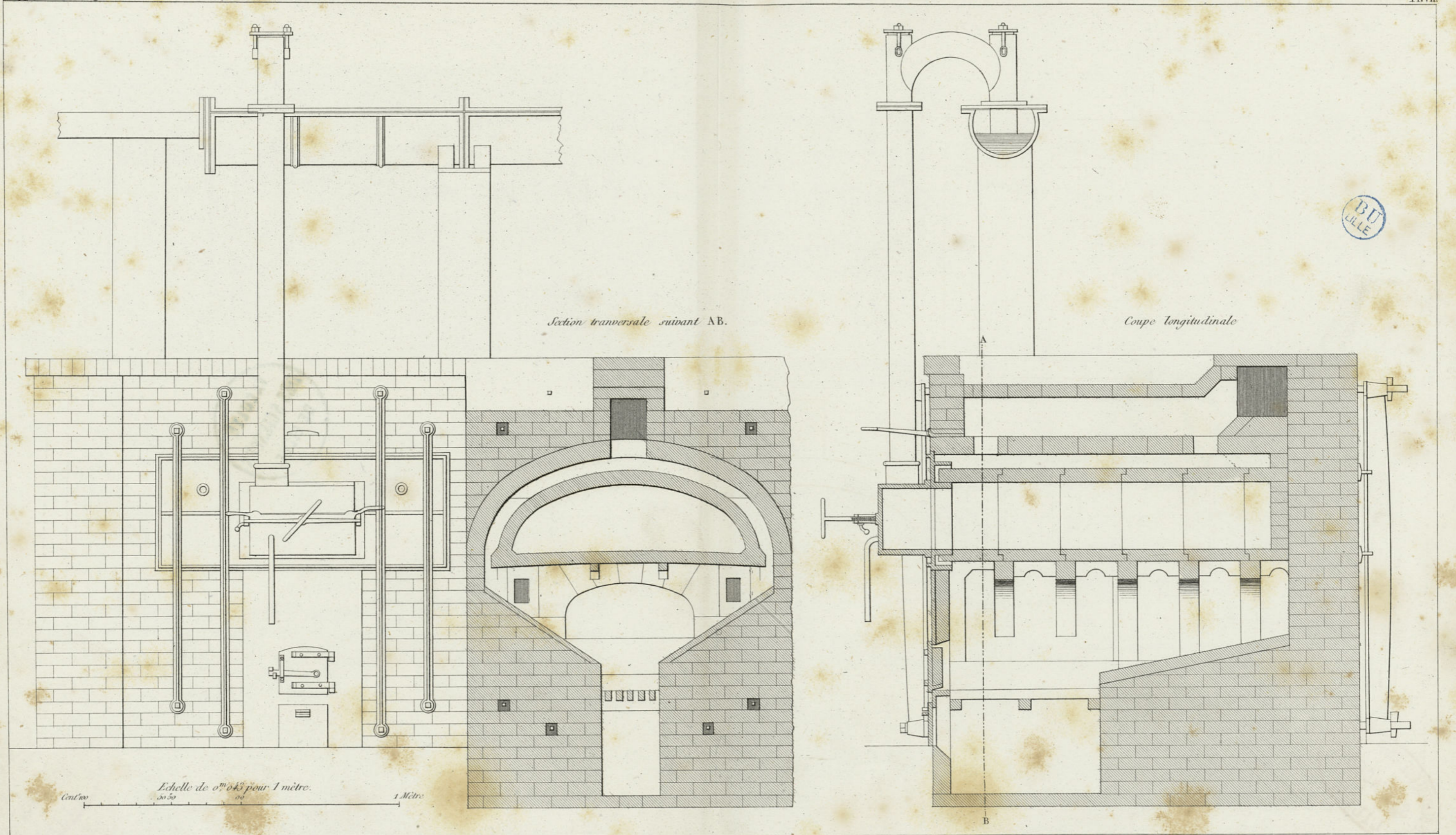
Fig. 3.

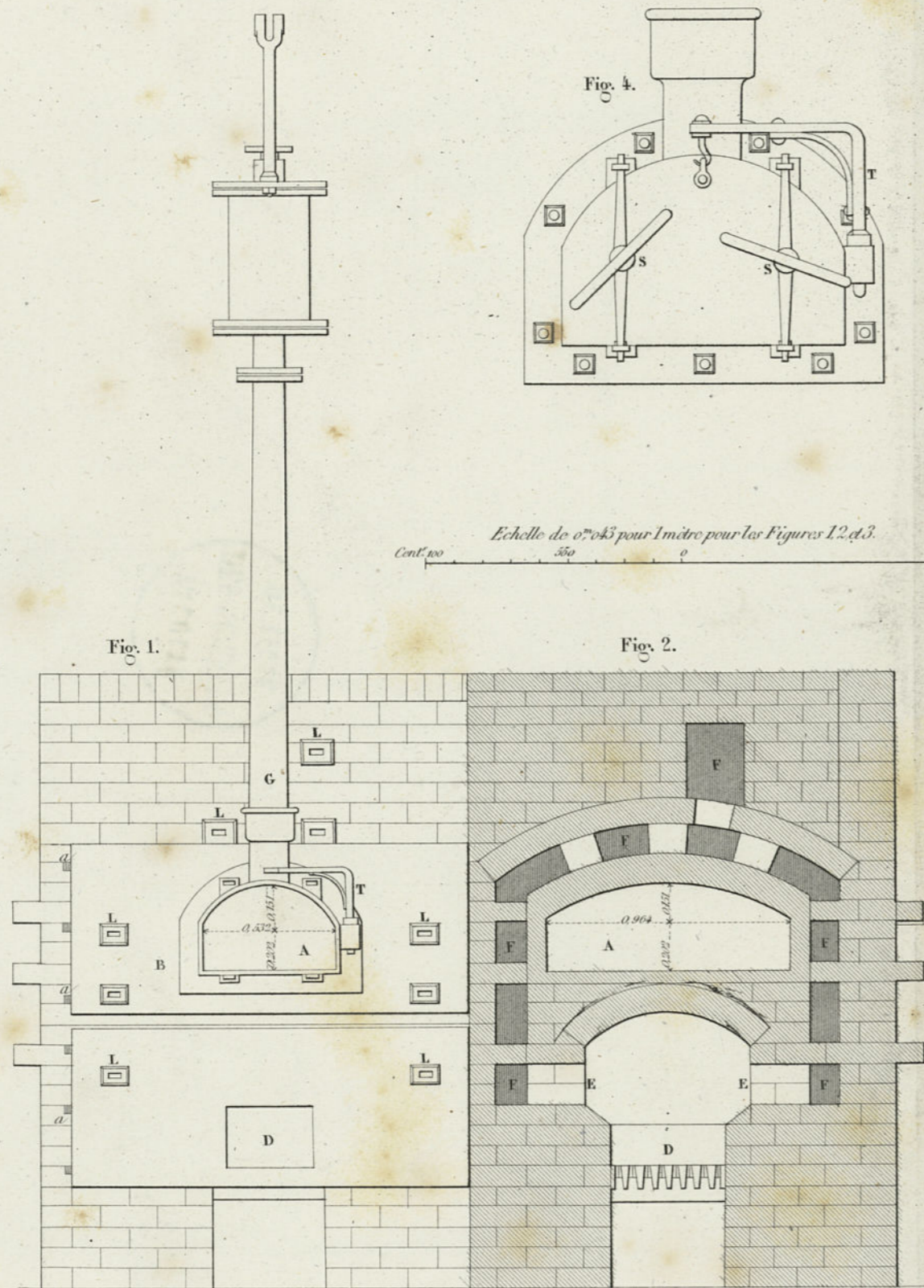




Echelle de 0^m.03 pour 1 mètre.

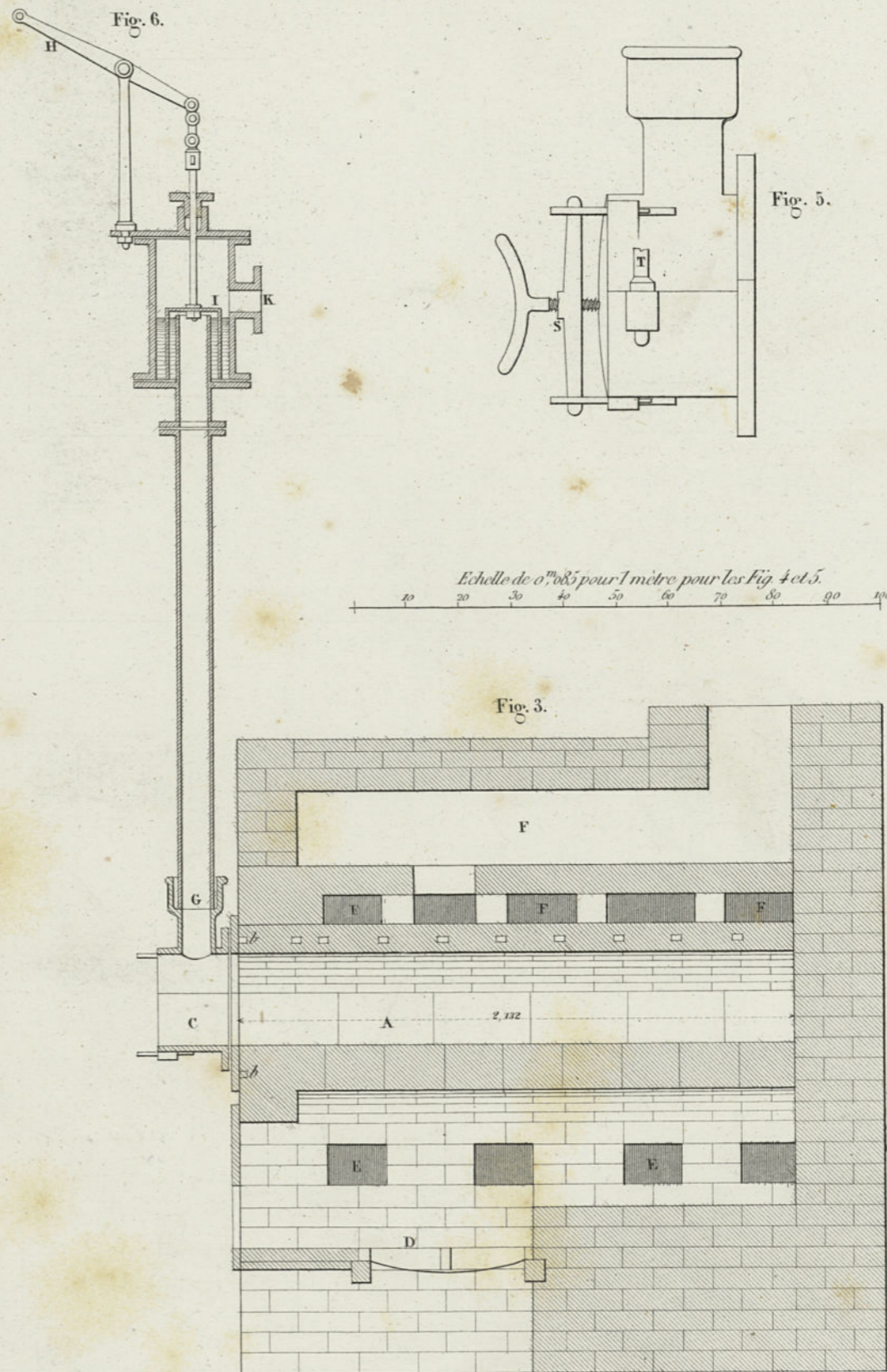
BU
LILLE





Echelle de 0^m043 pour 1 mètre pour les Figures 1, 2 et 3.

Cent. 100 500 0 1 Mètre

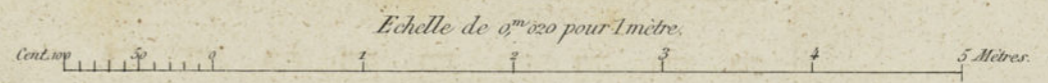
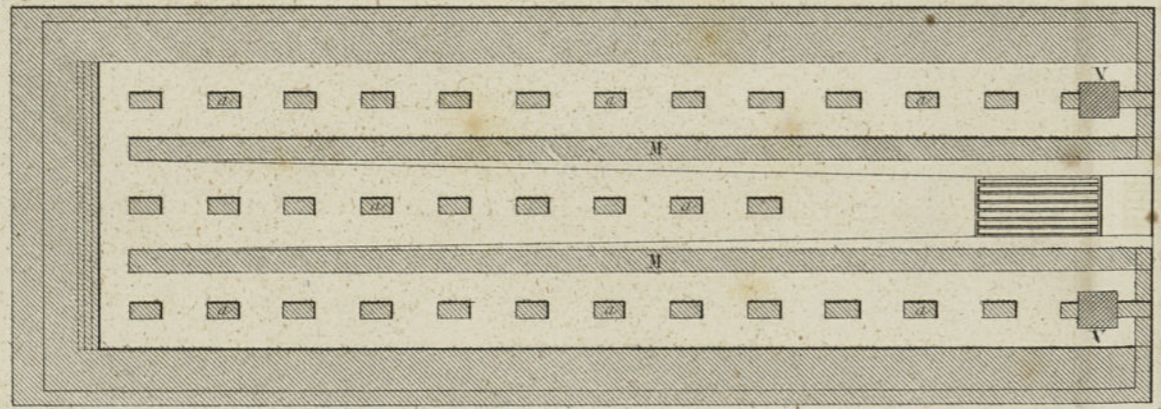
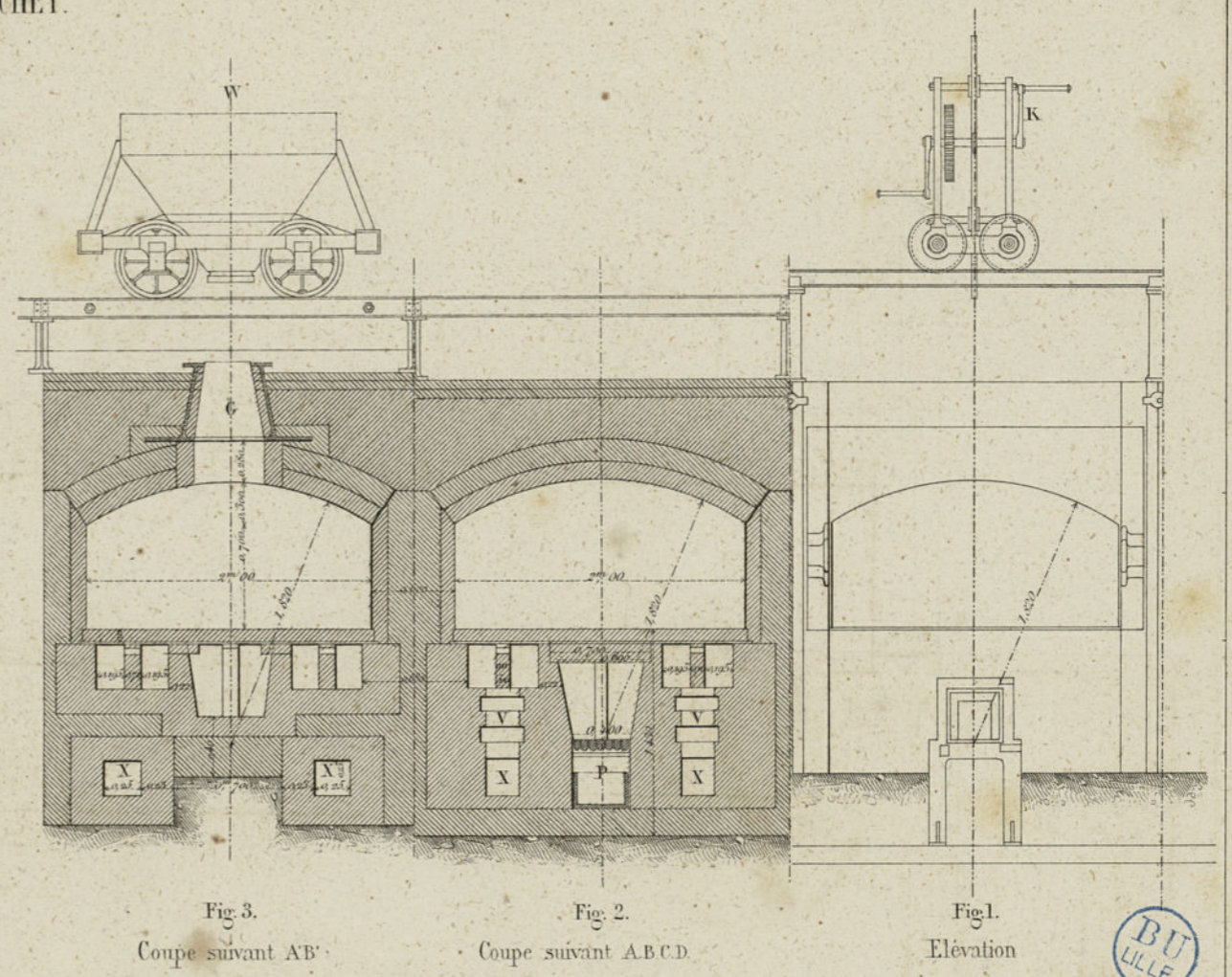
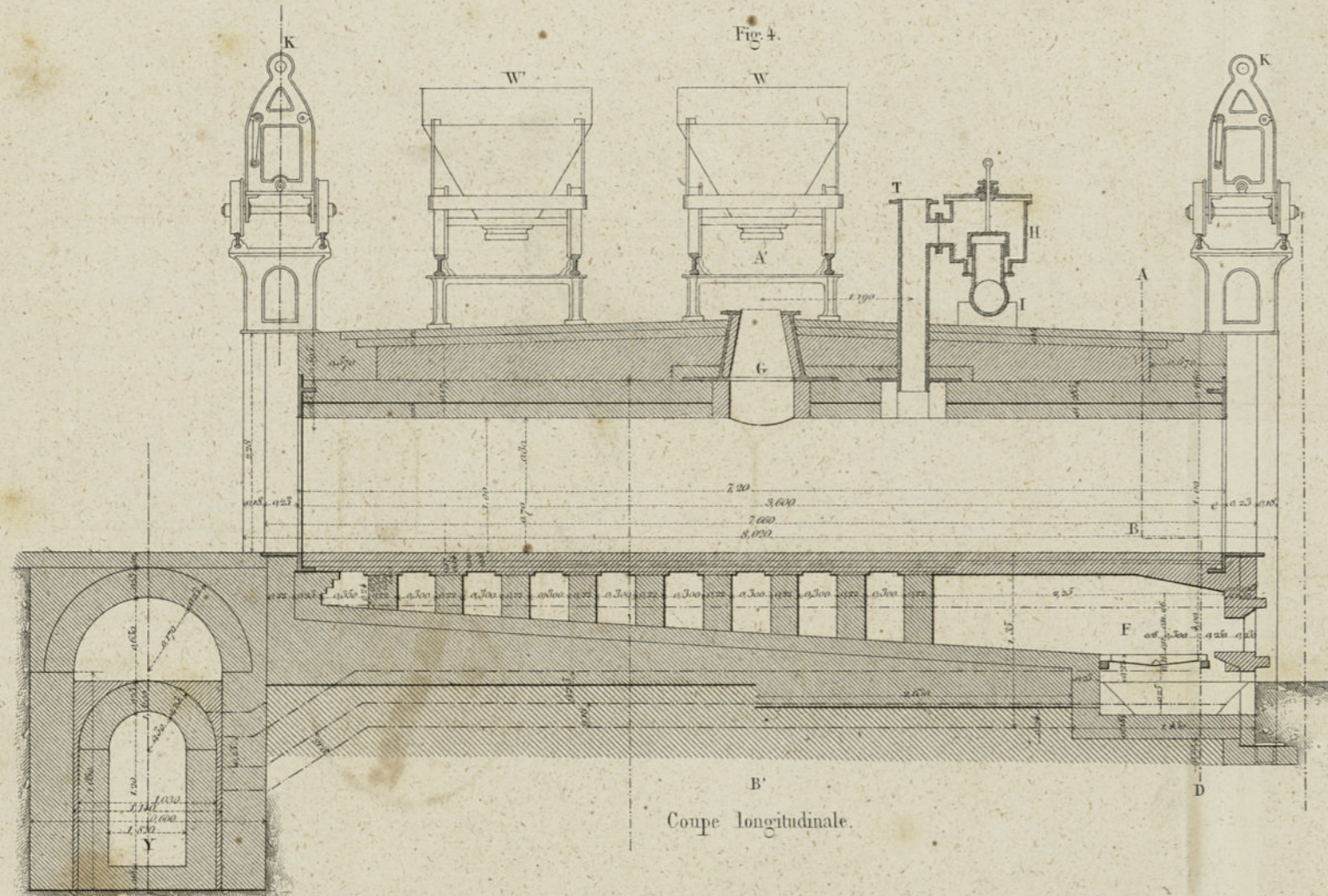


Echelle de 0^m085 pour 1 mètre pour les Fig. 4 et 5.

40 20 30 40 50 60 70 80 90 100 Cent.

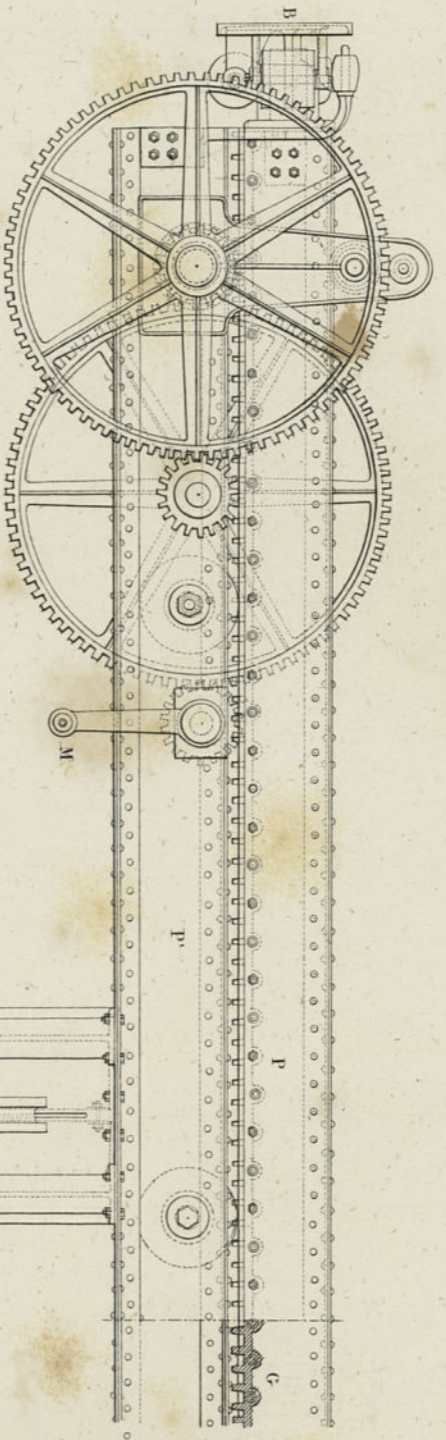
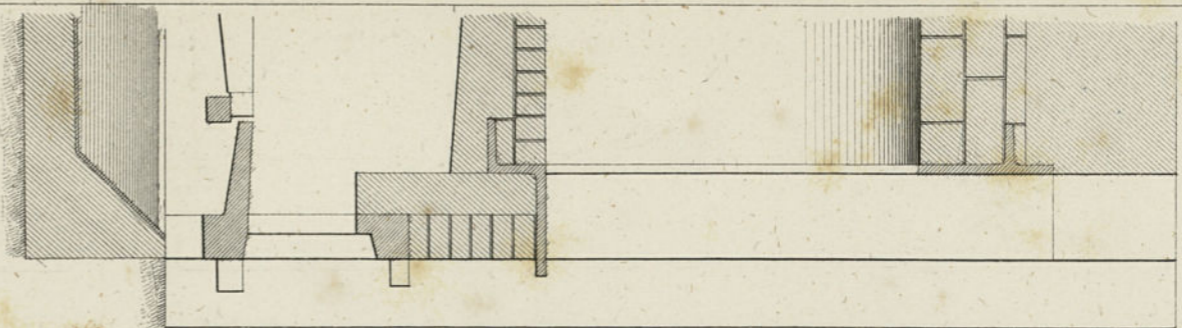
BU
LILLE

FOURS PAUWELS ET DUBOCHET.



BU
LILLE

REPOUSSOIR DES FOURS PAUVELS ET DUBOCHET.

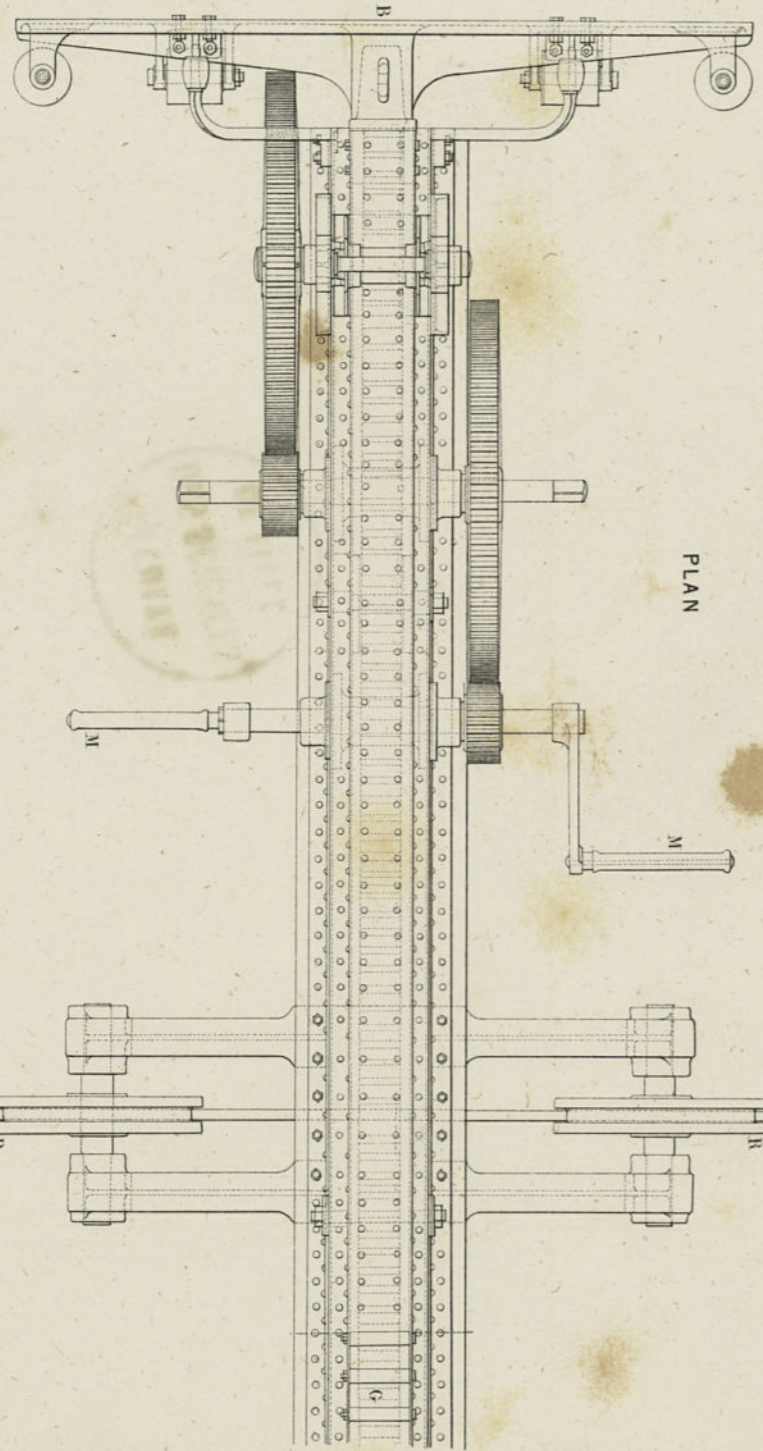
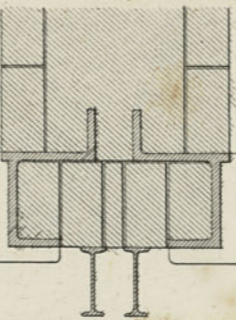


ÉLEVATION.

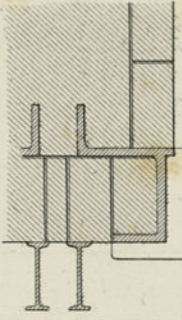
Centimètres

Echelle de 0^m 05 pour l'indice.

Mètres



PLAN



CORNUES EN BRIQUES DE F. J. EVANS.

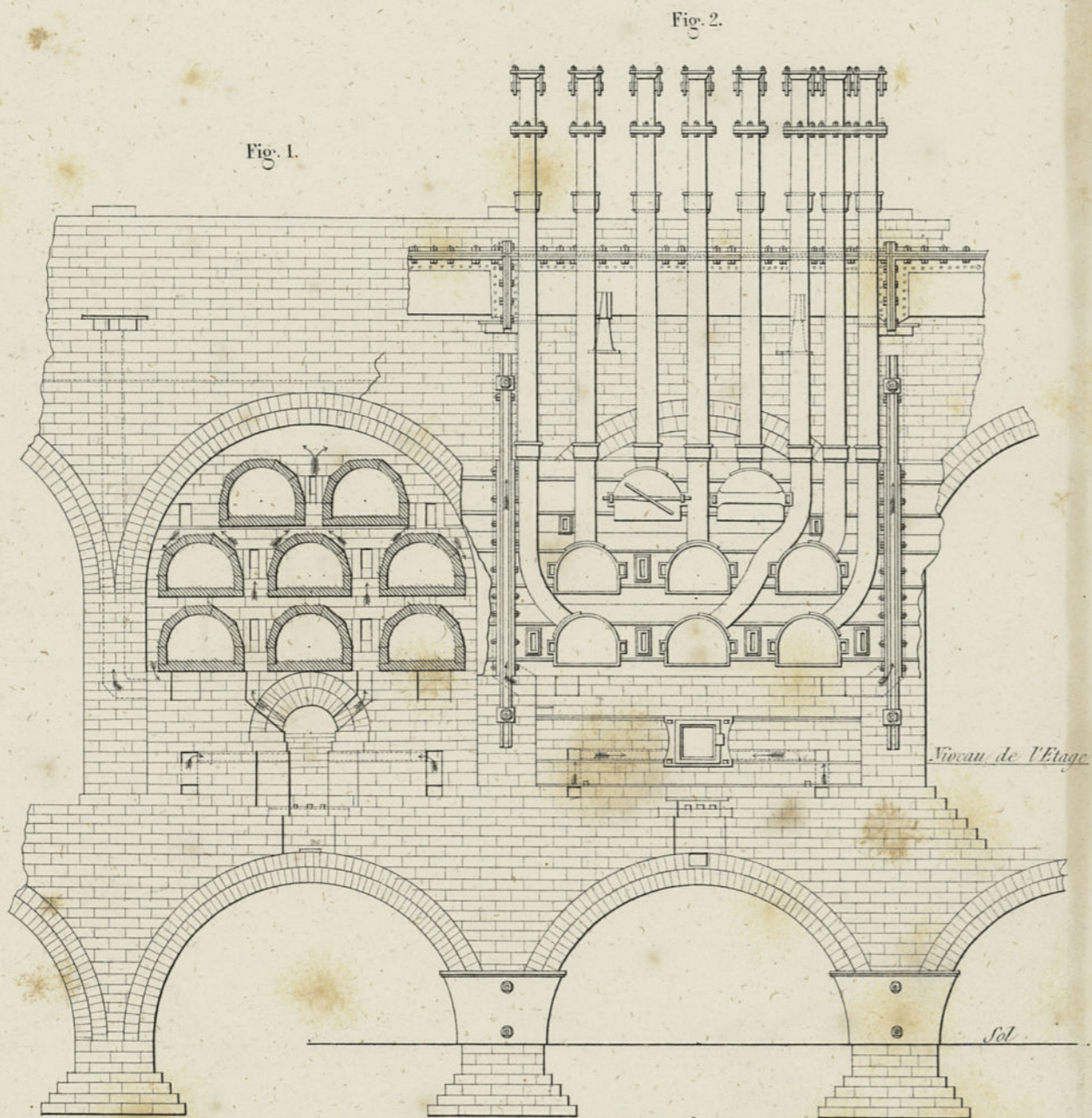
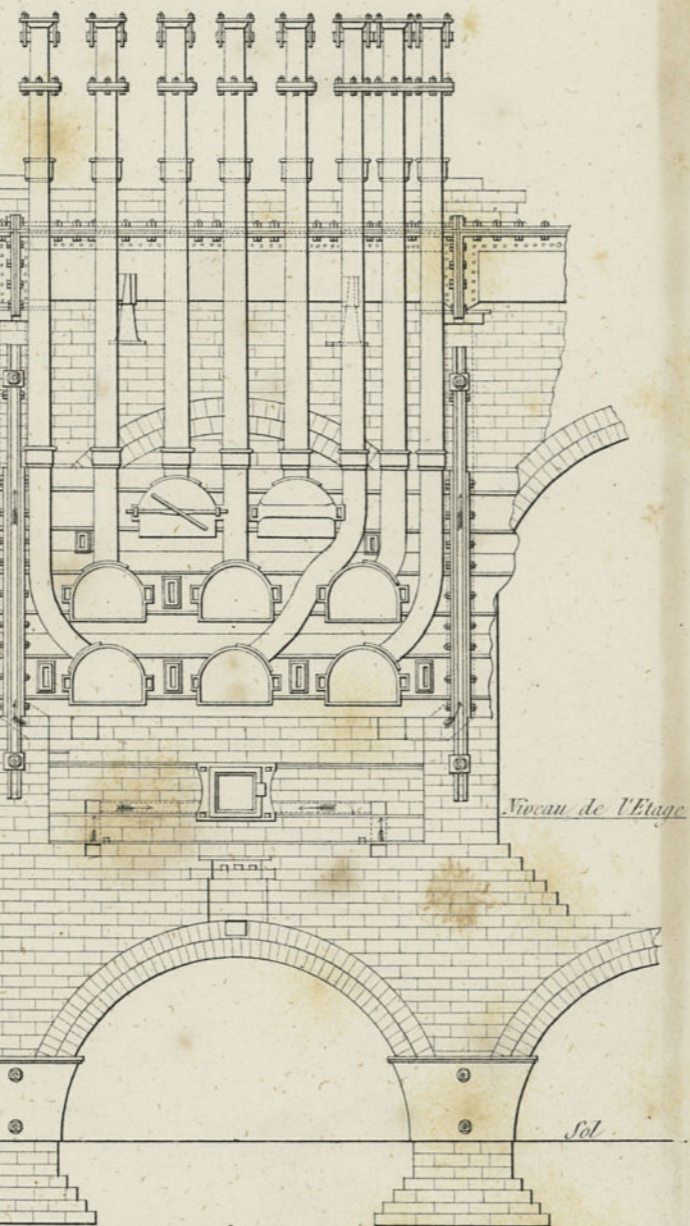


Fig. 1.

Fig. 2.



Elevation

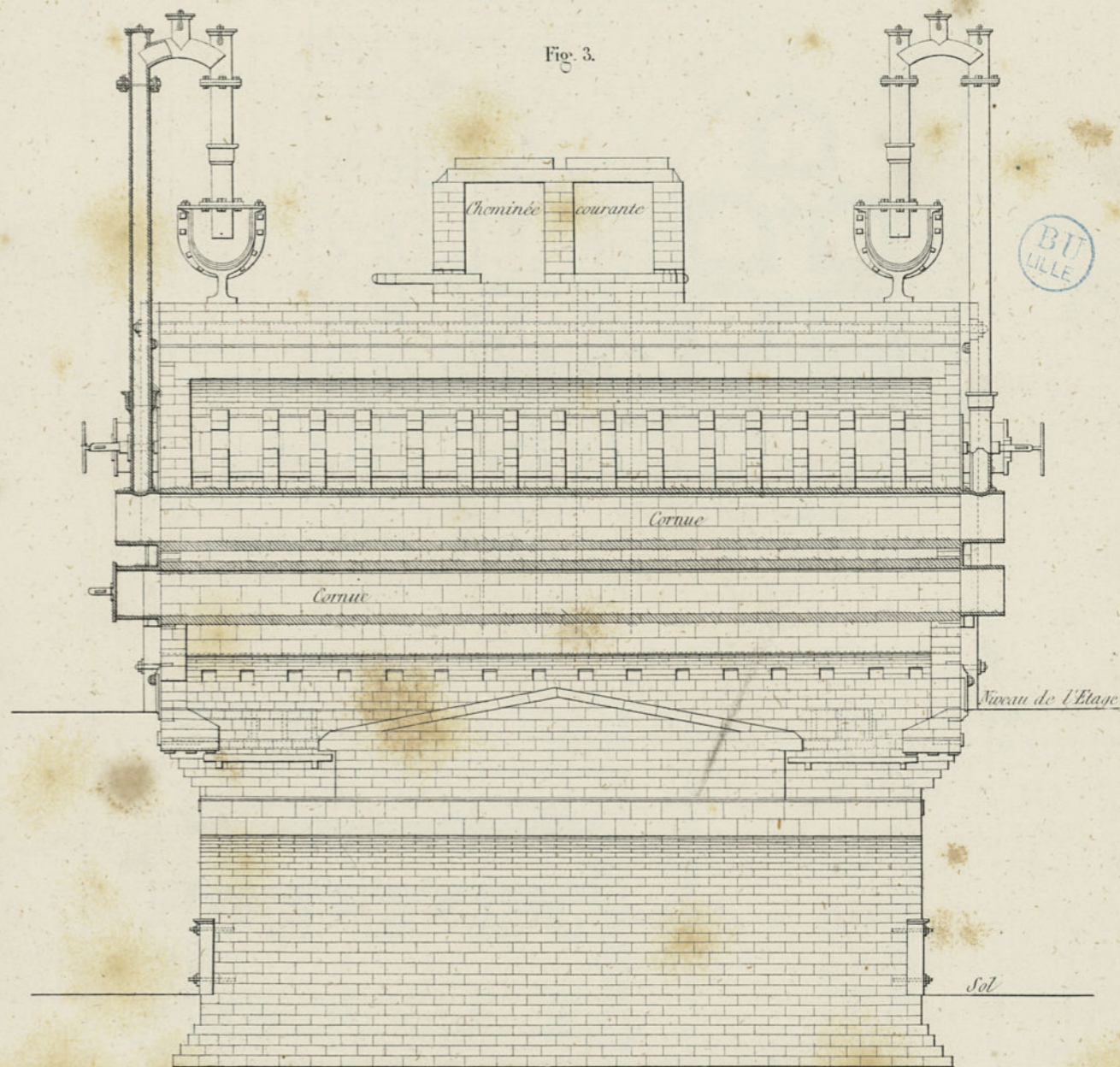


Fig. 3.

Coupe longitudinale.

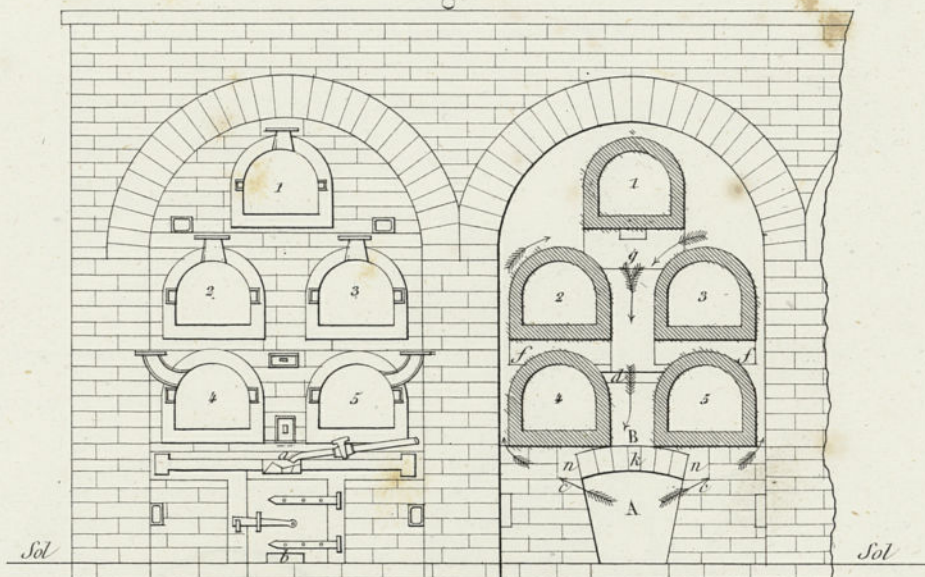
Echelle de 0^m 02 pour 1 mètre.

Cent. 100 50 0 1 2 3 Mètres

BU LILLE

FOUR A 5 CORNUES DE CORTEEN.

Fig. 1.

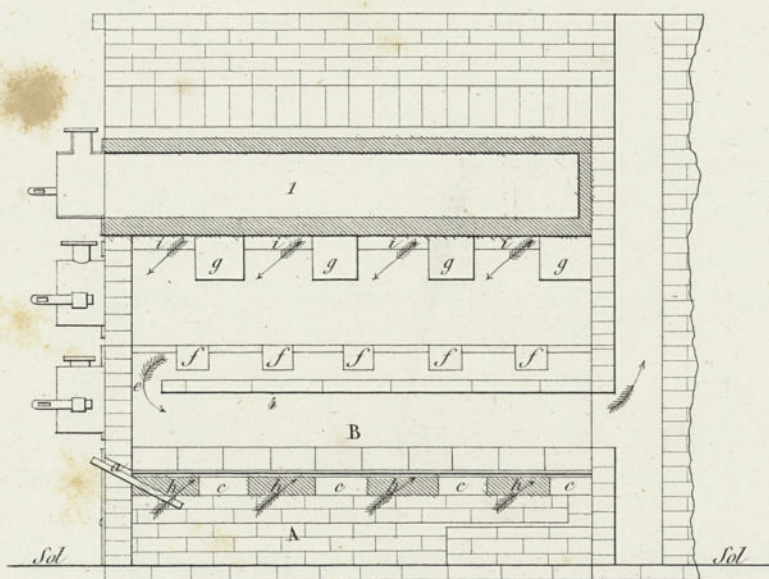


Vue de face.

Coupe transversale.

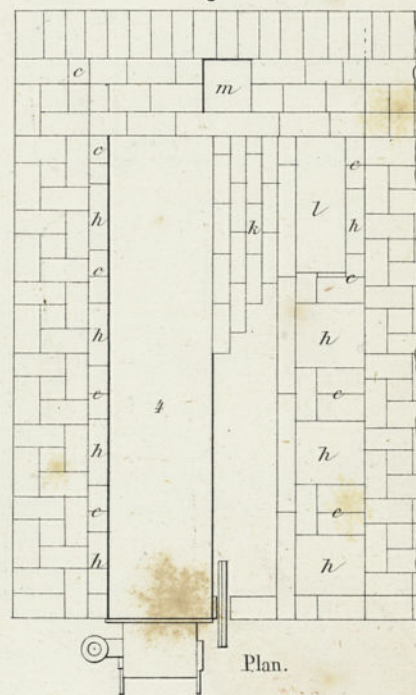


Fig. 2.



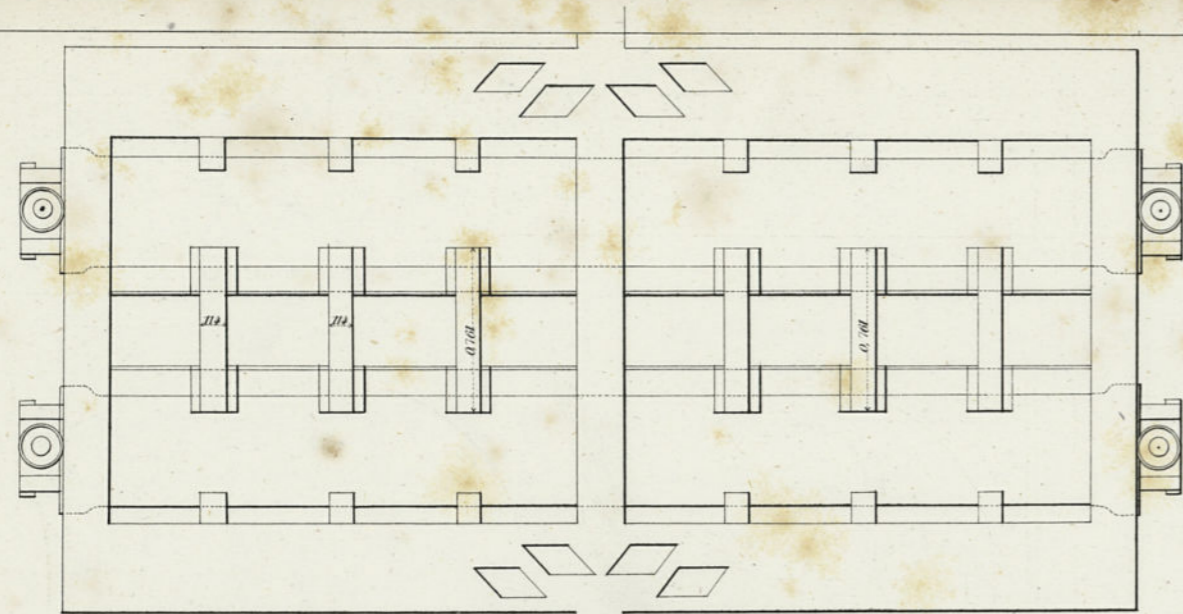
Coupe longitudinale.

Fig. 3.

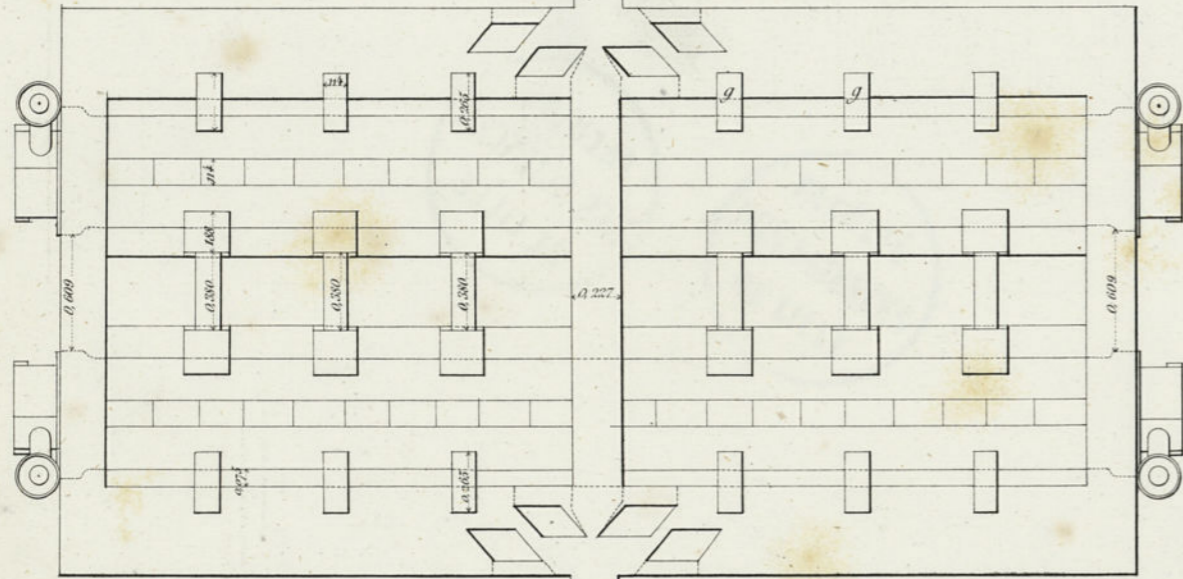


Echelle de 0^m028 pour 1 mètre.

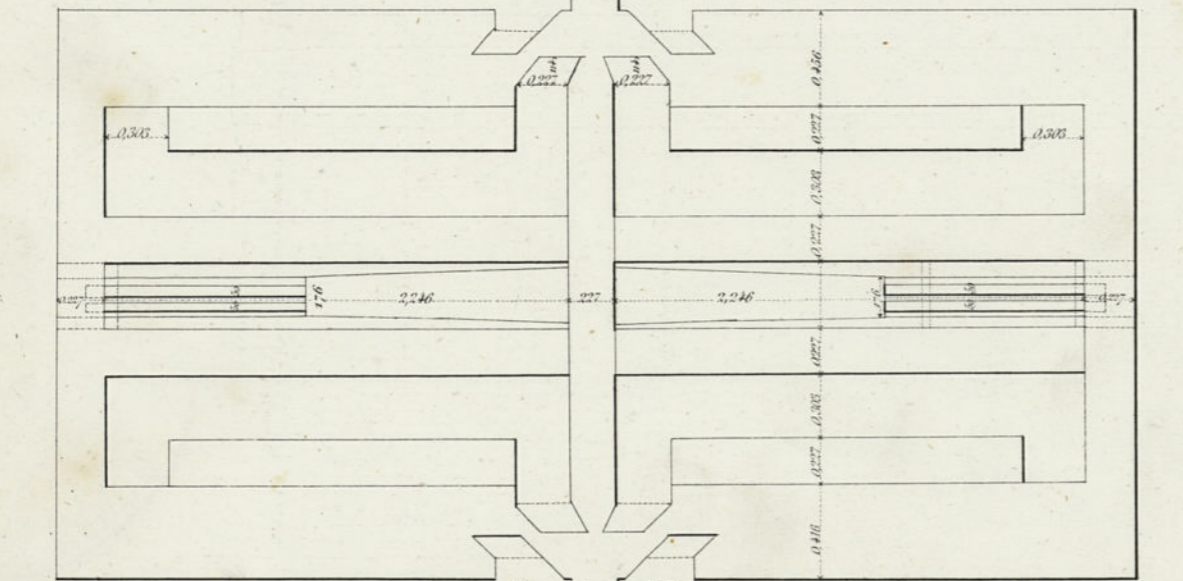
Cent. 190 50 0 1 2 3 Mètres



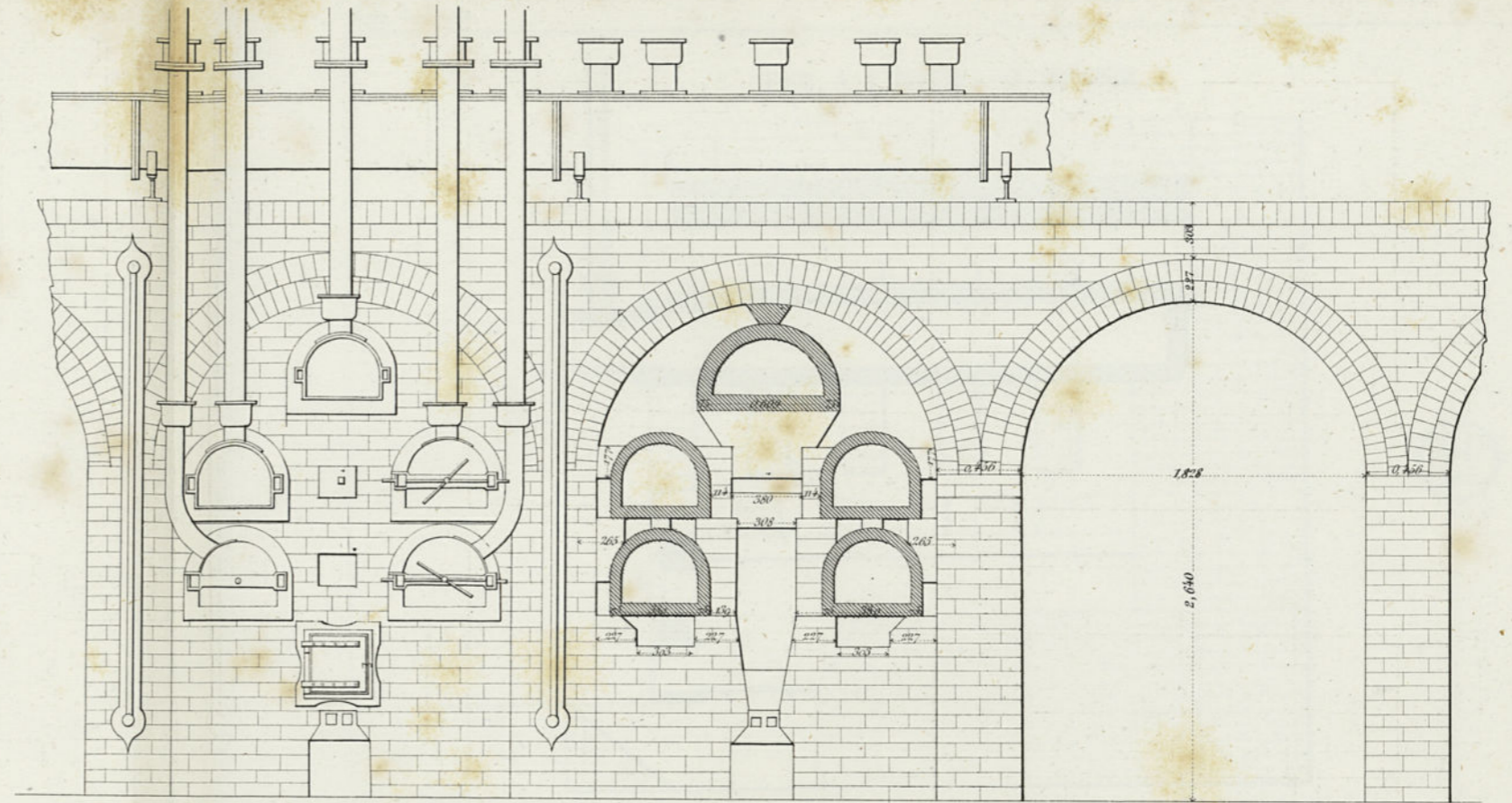
Plan suivant A B.



Plan suivant C D.

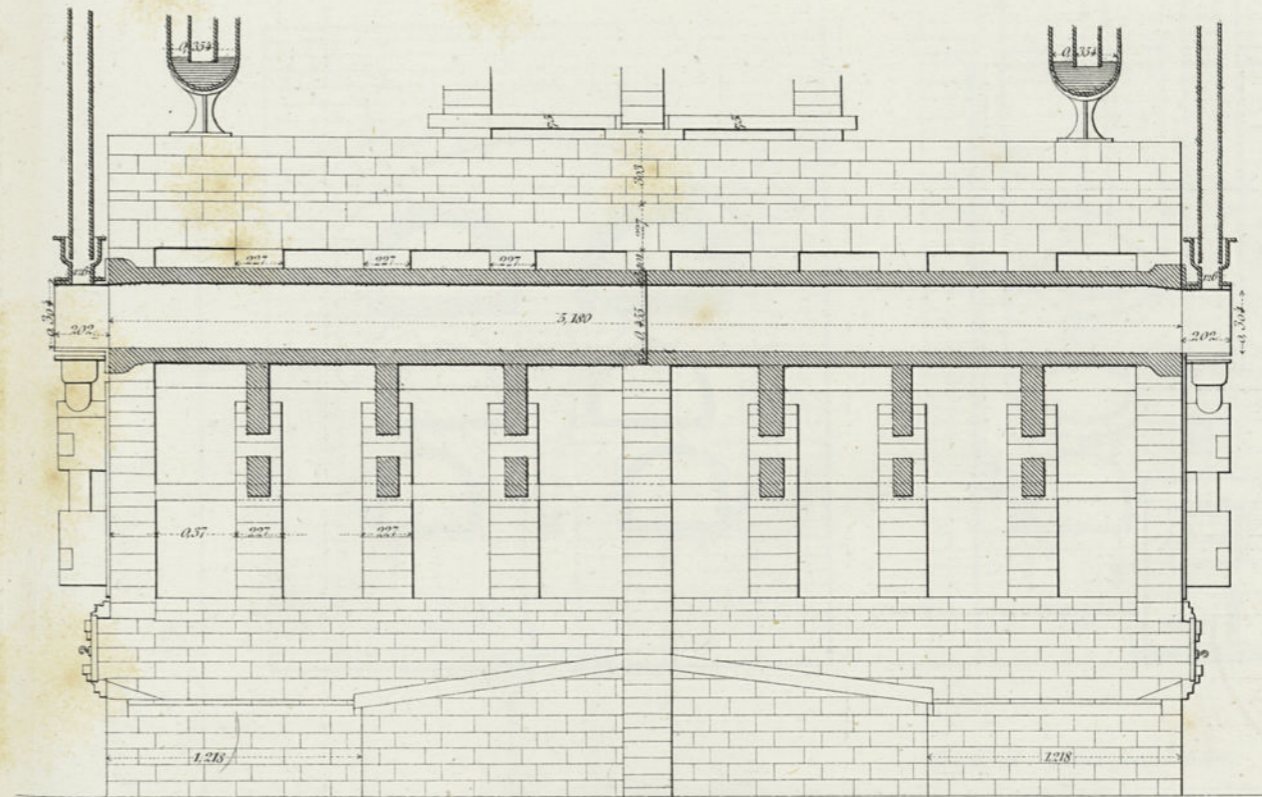


Plan suivant E F.



Elevation.

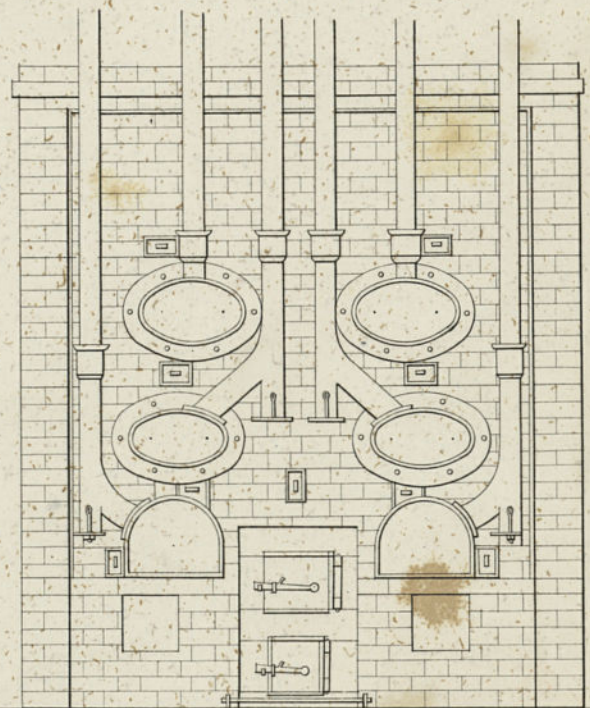
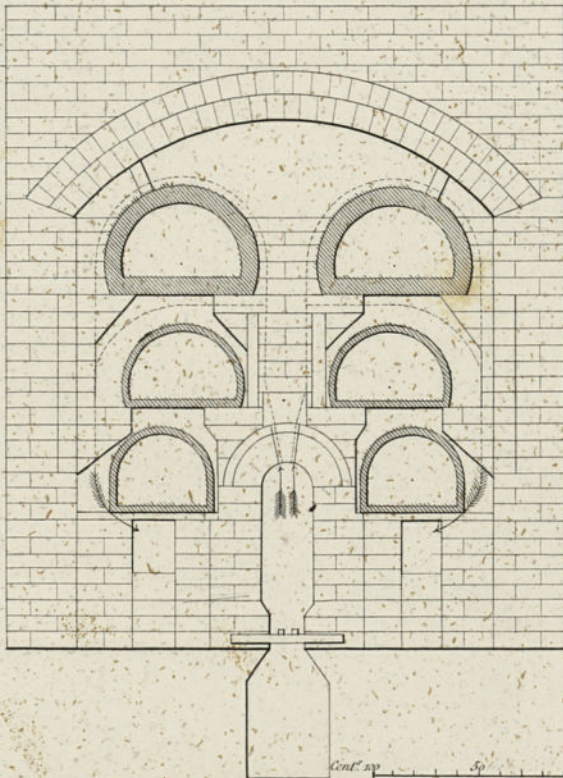
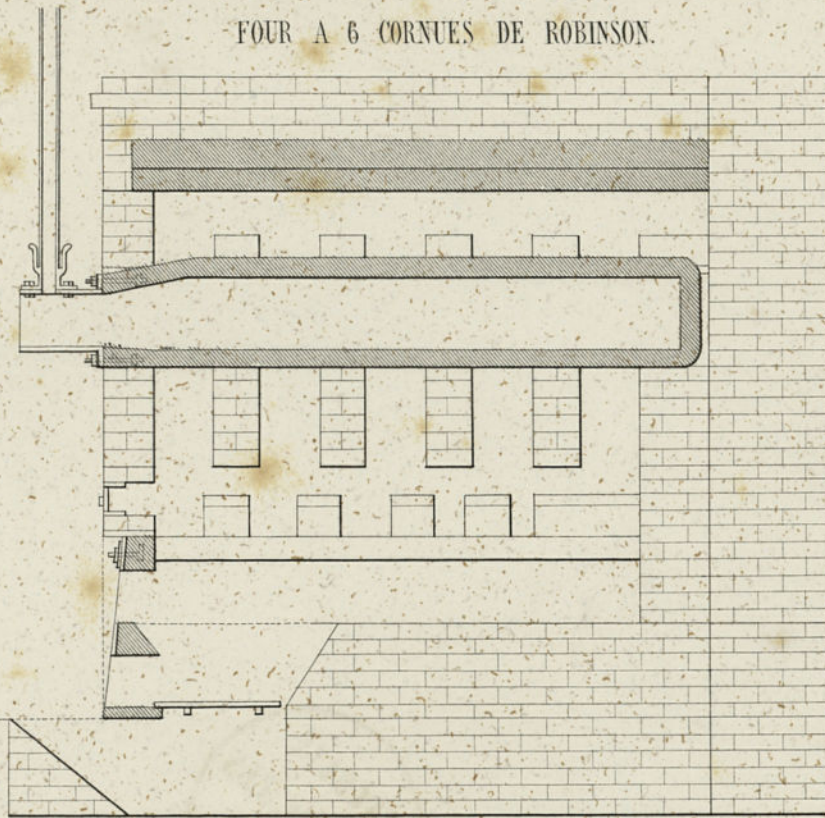
Coupe transversale.



Coupe longitudinale.

BU LILLE

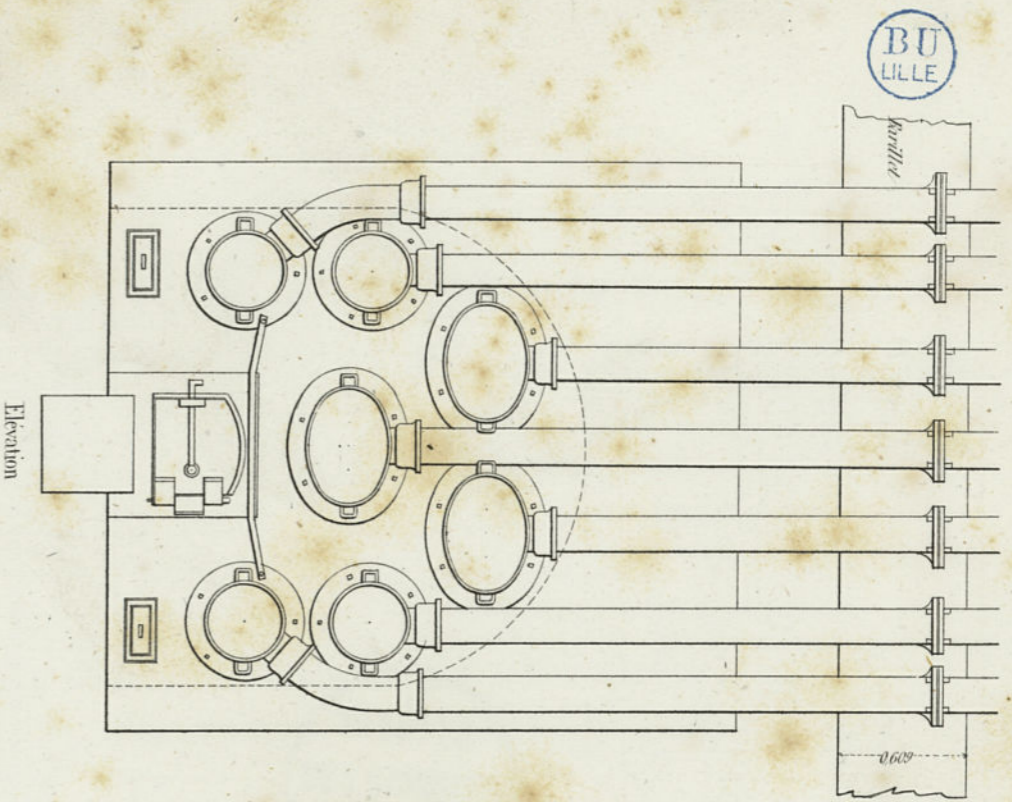
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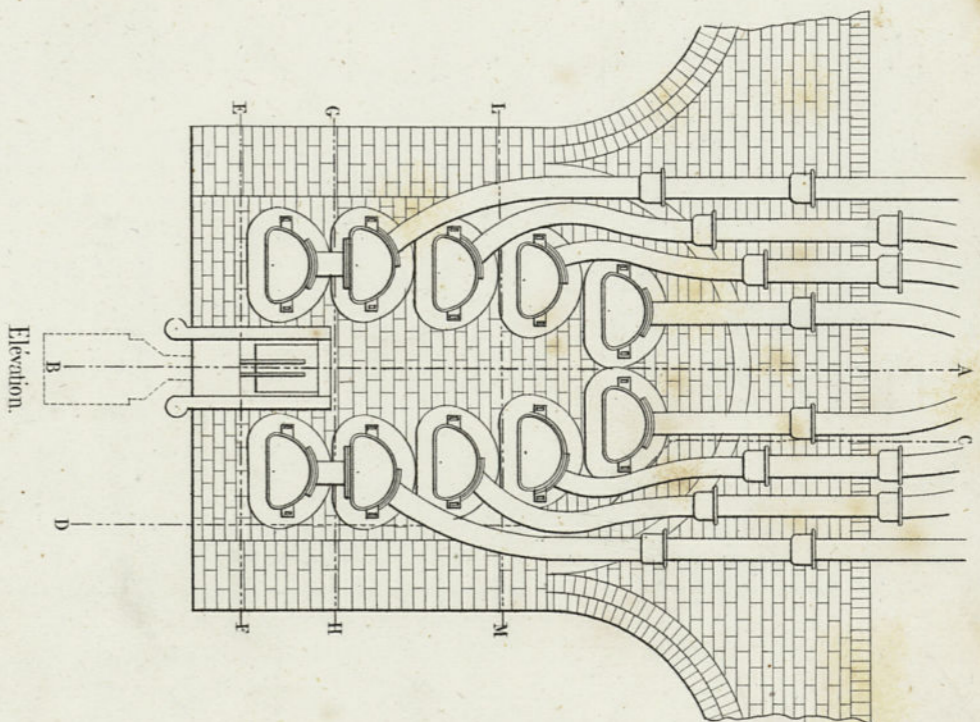
Echelle de 0^m 028 pour 1 metre.



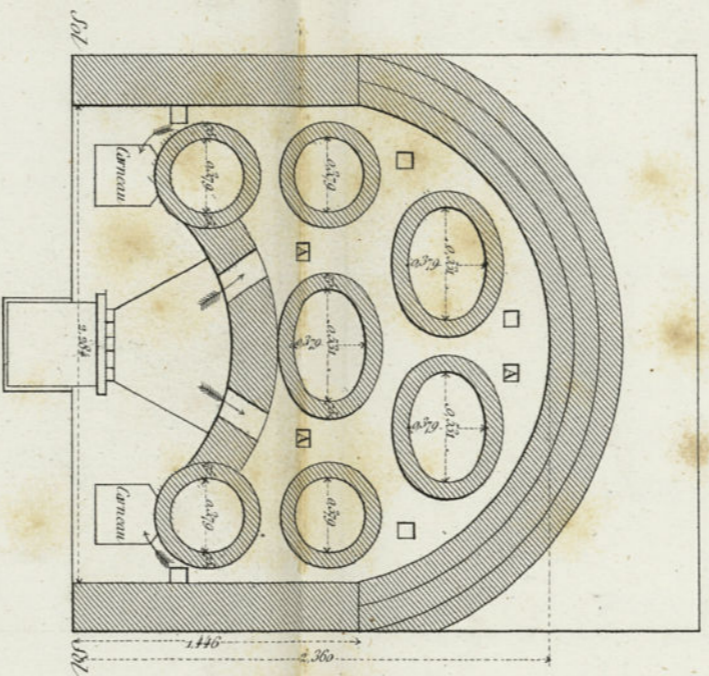
FOUR A 7 CORNUES DE JONES.



FOUR A 10 CORNUES DE METIVEN.

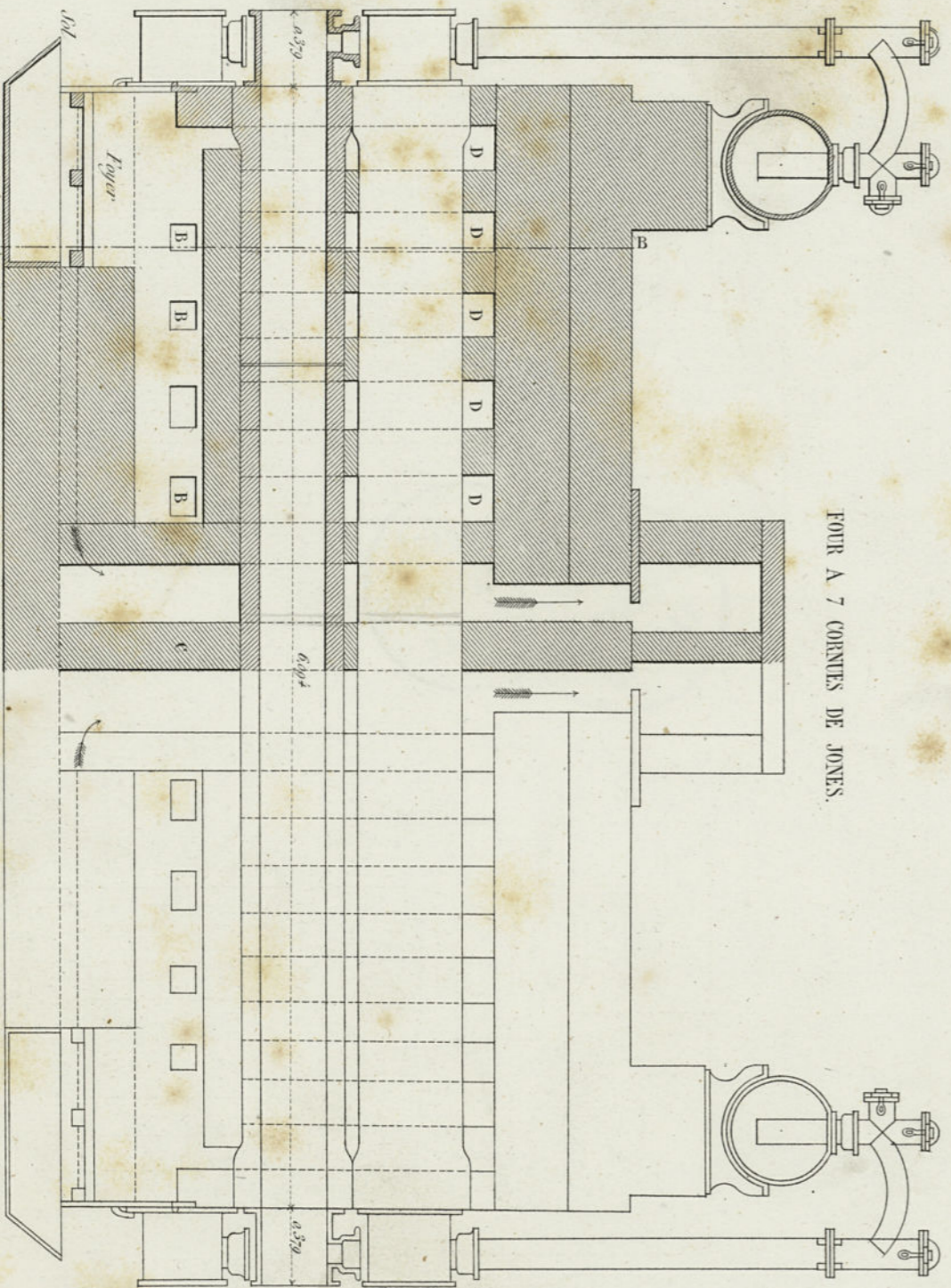


FOUR A 7 CORNUES DE JONES.



Coupe transversale suivant A B.

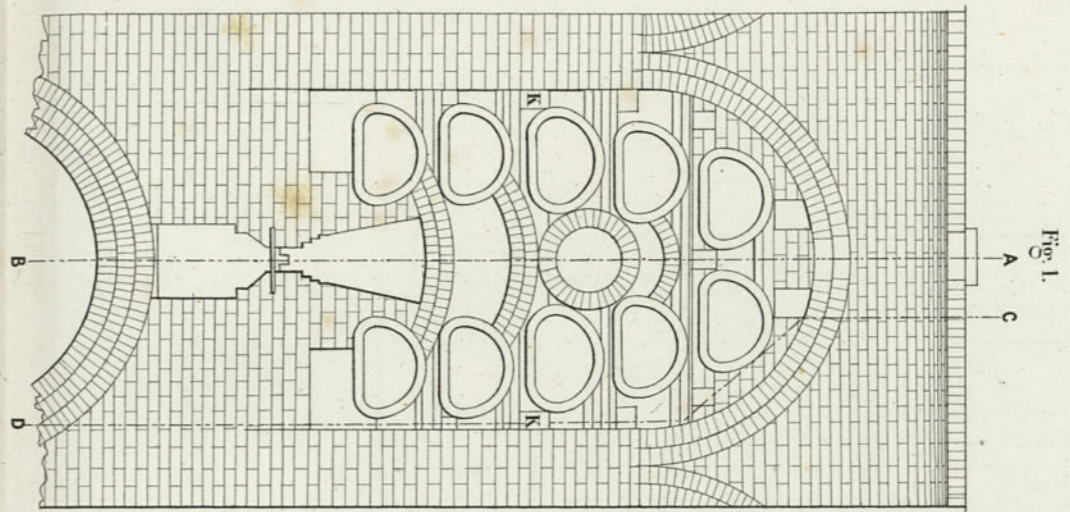
FOUR A 7 CORNUES DE JONES.



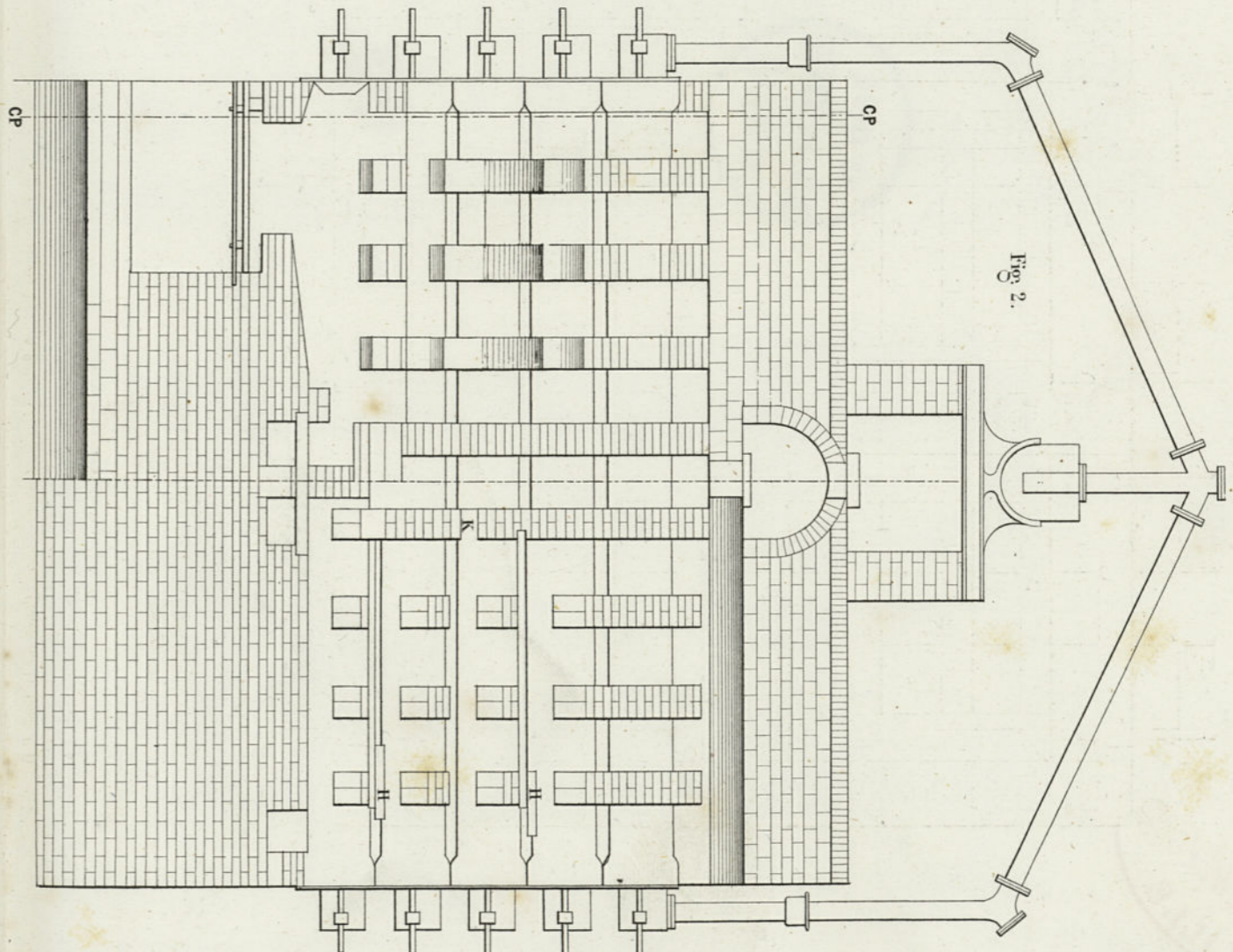
Coupe longitudinale.

Echelle de 0,028 pour 1 mètre.

FOIR A DIN CORNUES DE METHYEN.



Elevation



Coupe sur la ligne A B.

Coupe sur la ligne C D.

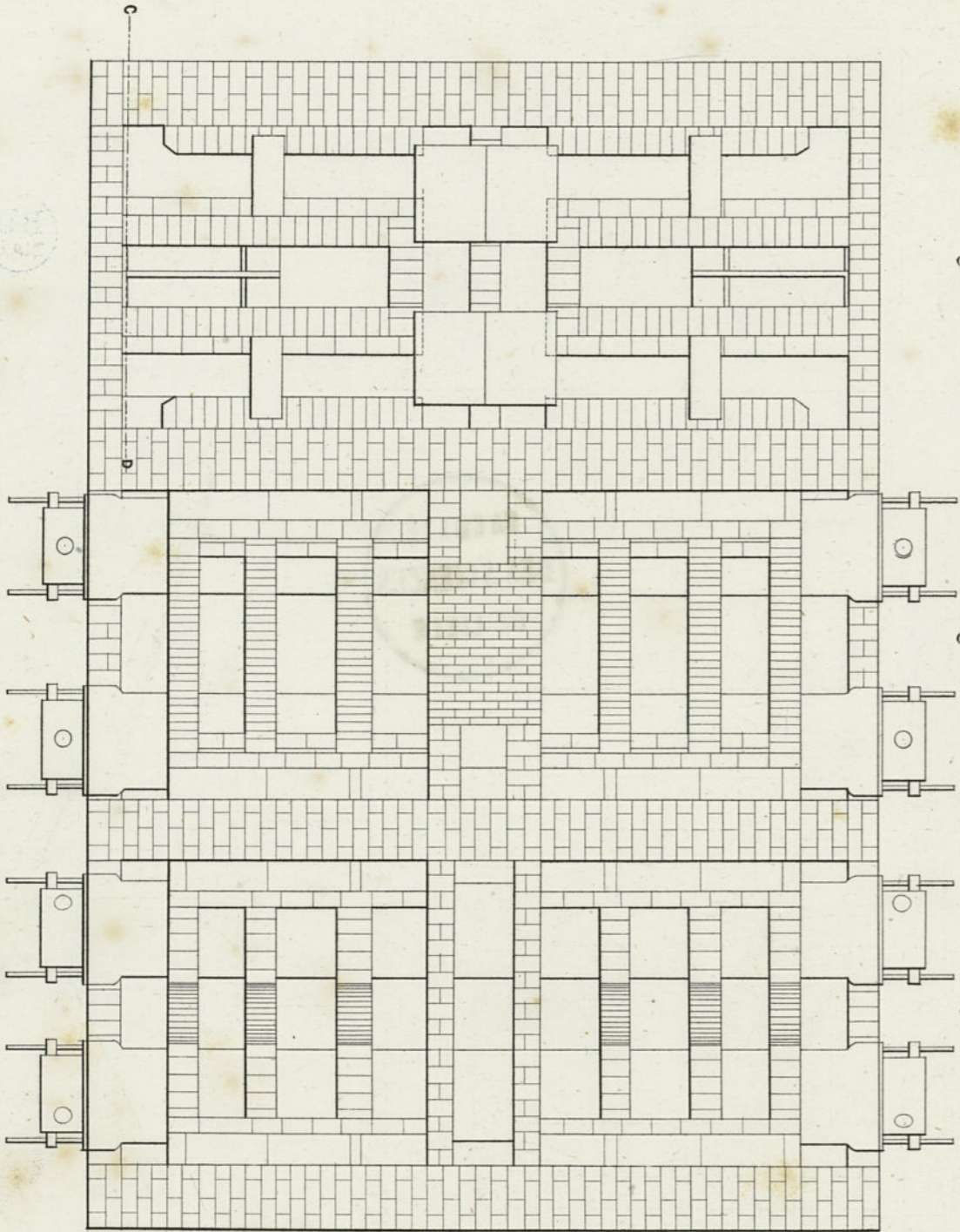


Fig. 3.

Fig. 4.

Fig. 5.

Plan suivant E F.

Plan suivant G H.

Plan suivant L M.

0 50 100

0

1

2

3

4

5

6

7

8

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10

11

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13

14

15

16

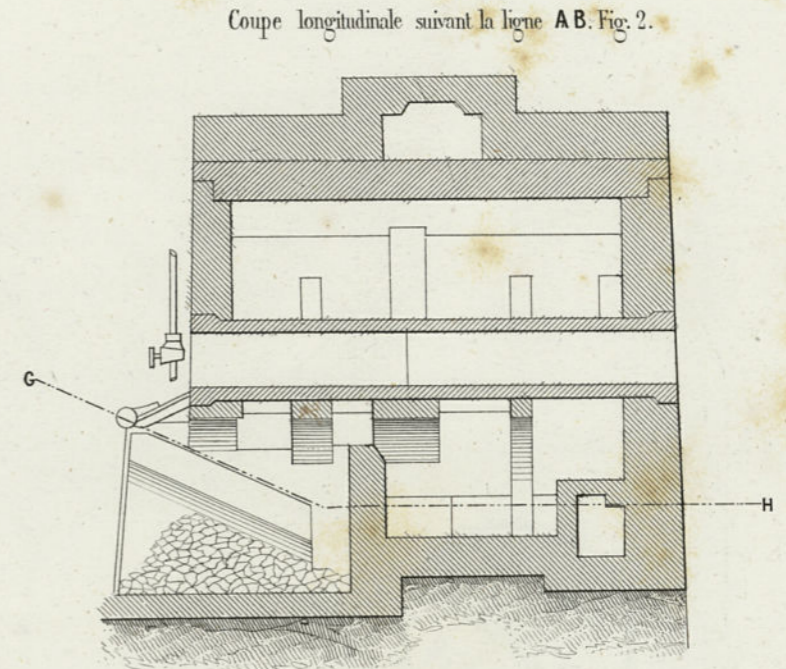
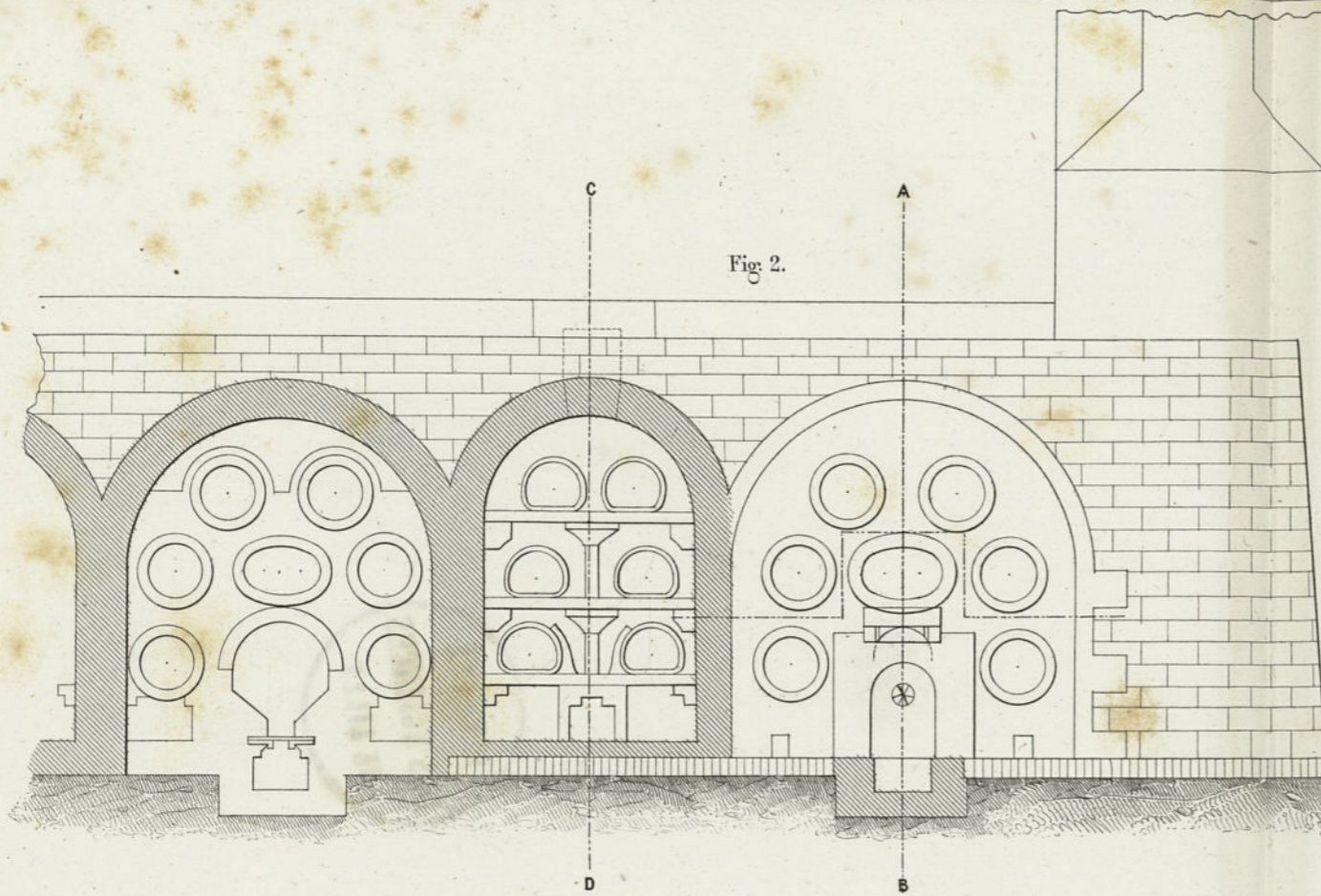
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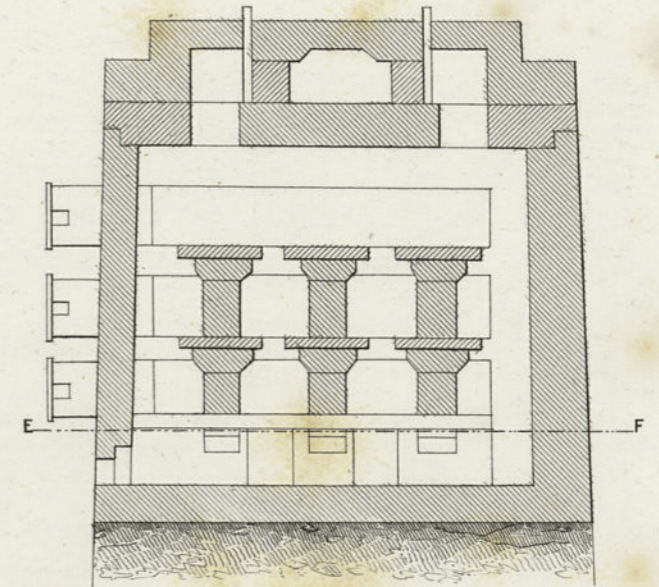
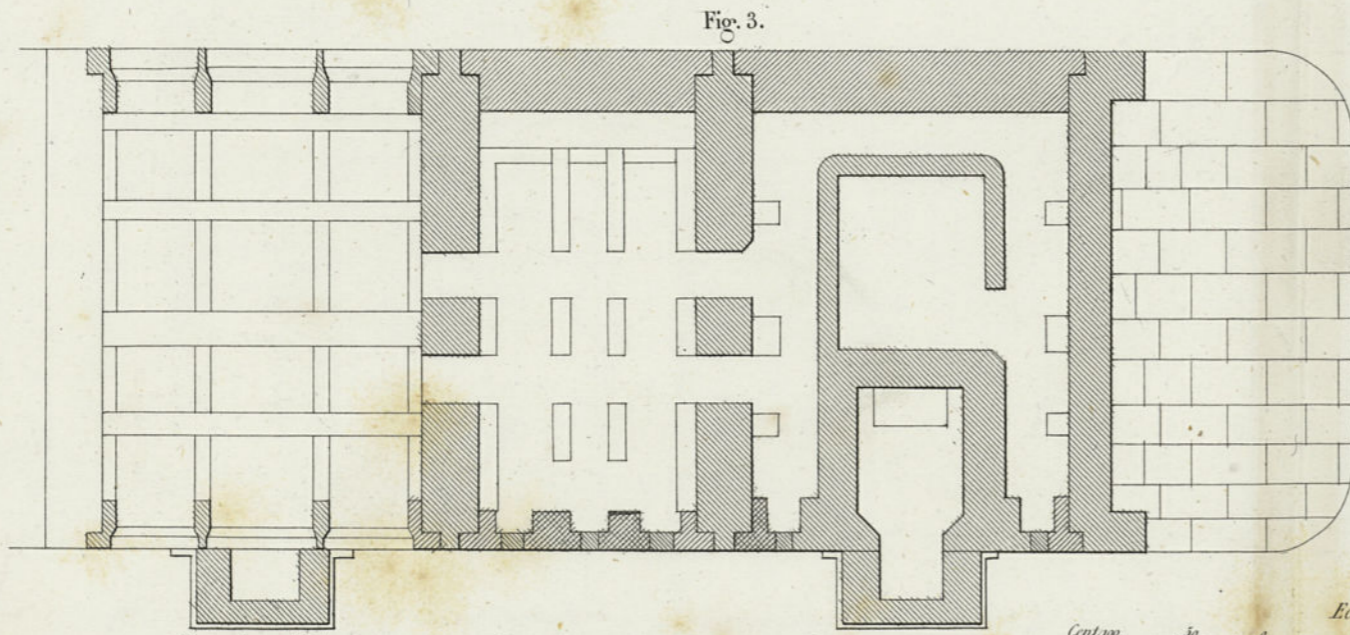
19

20

Echelle de 0,001 pour 1 mètre.



BU LILLE



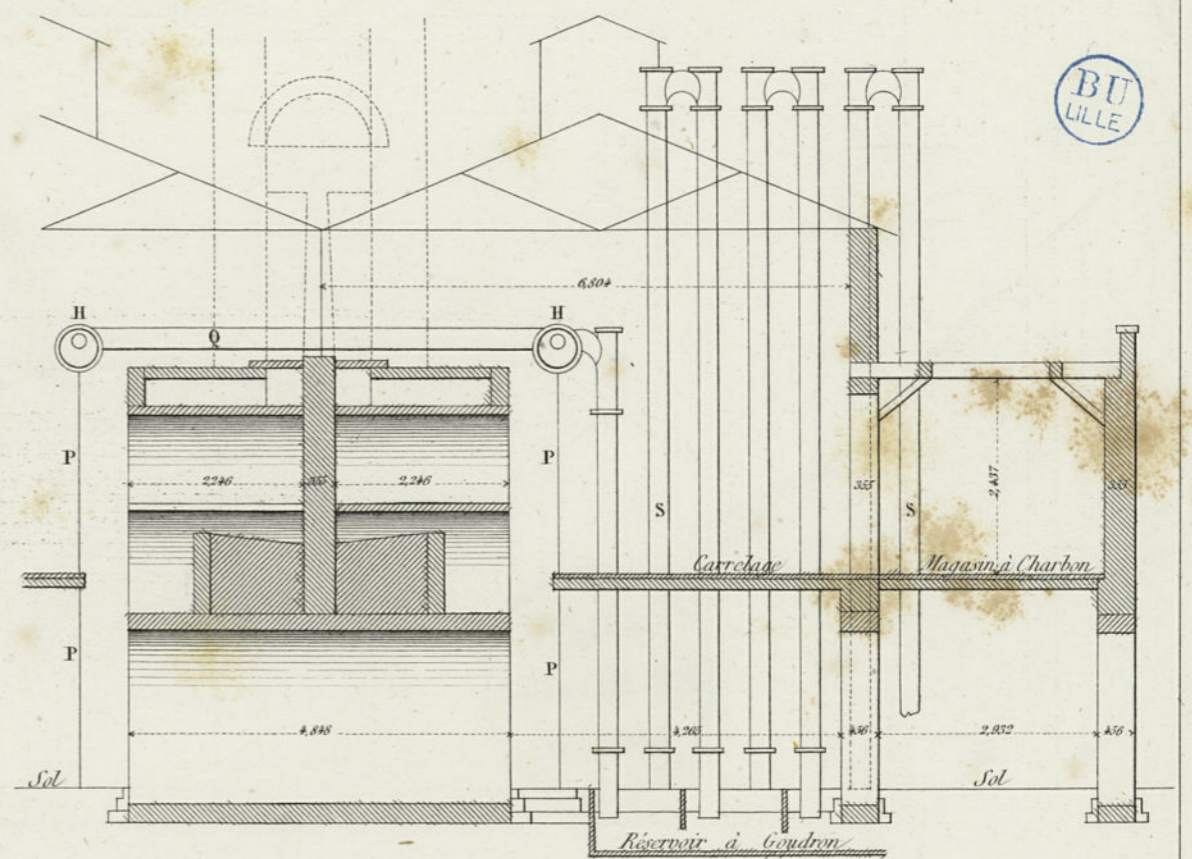
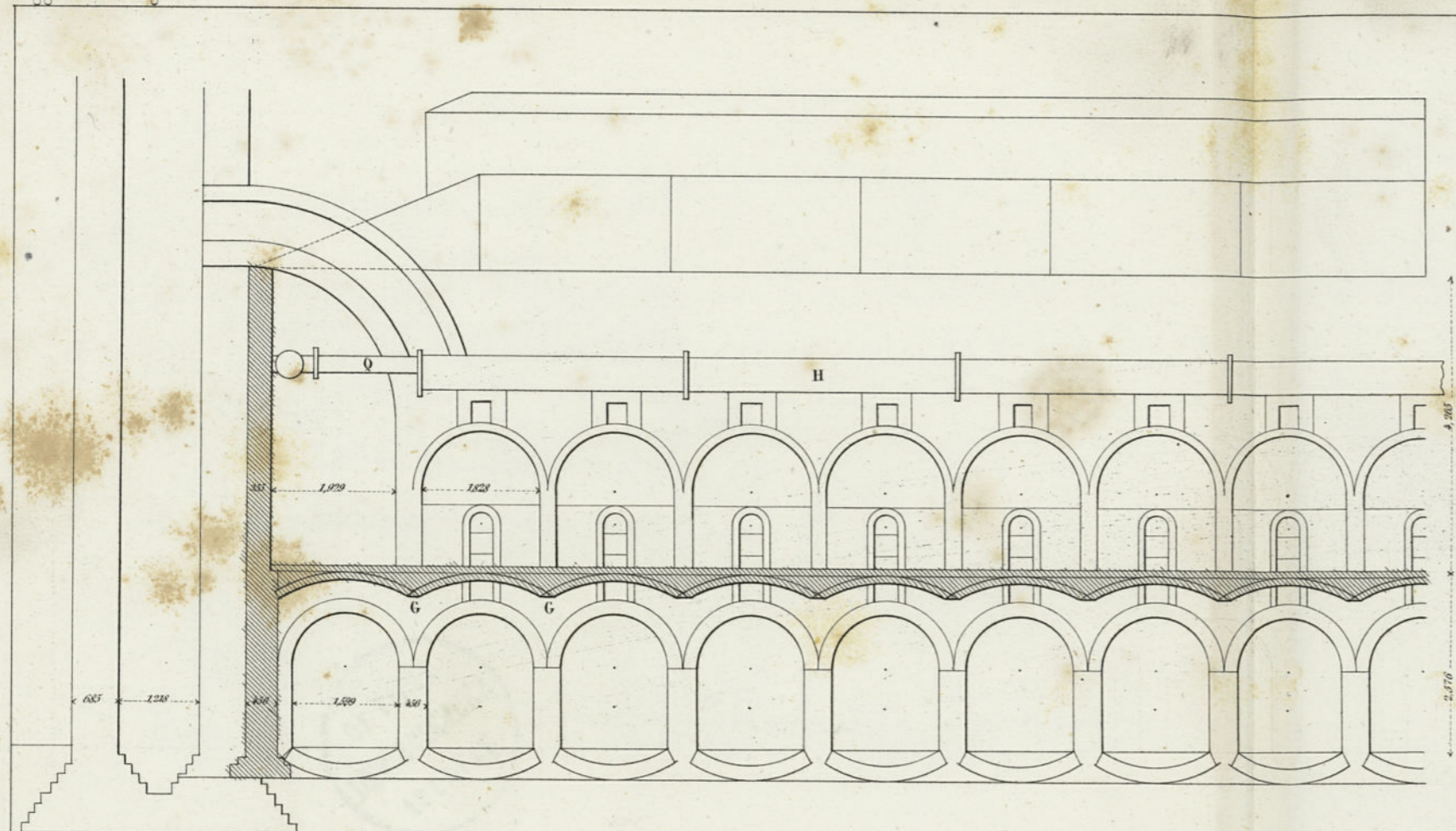
Plan suivant I J. Fig. 2.

Plan suivant E F. Fig. 3.

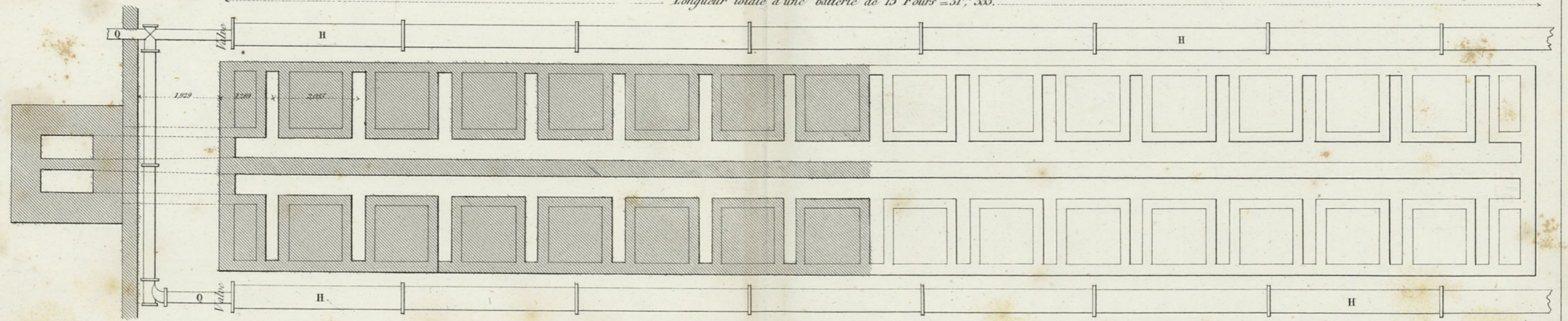
Plan suivant G H. Fig. 4.

Echelle de 0,021 pour 1 mètre.

Centimètres 50 0 1 2 3 Mètres.

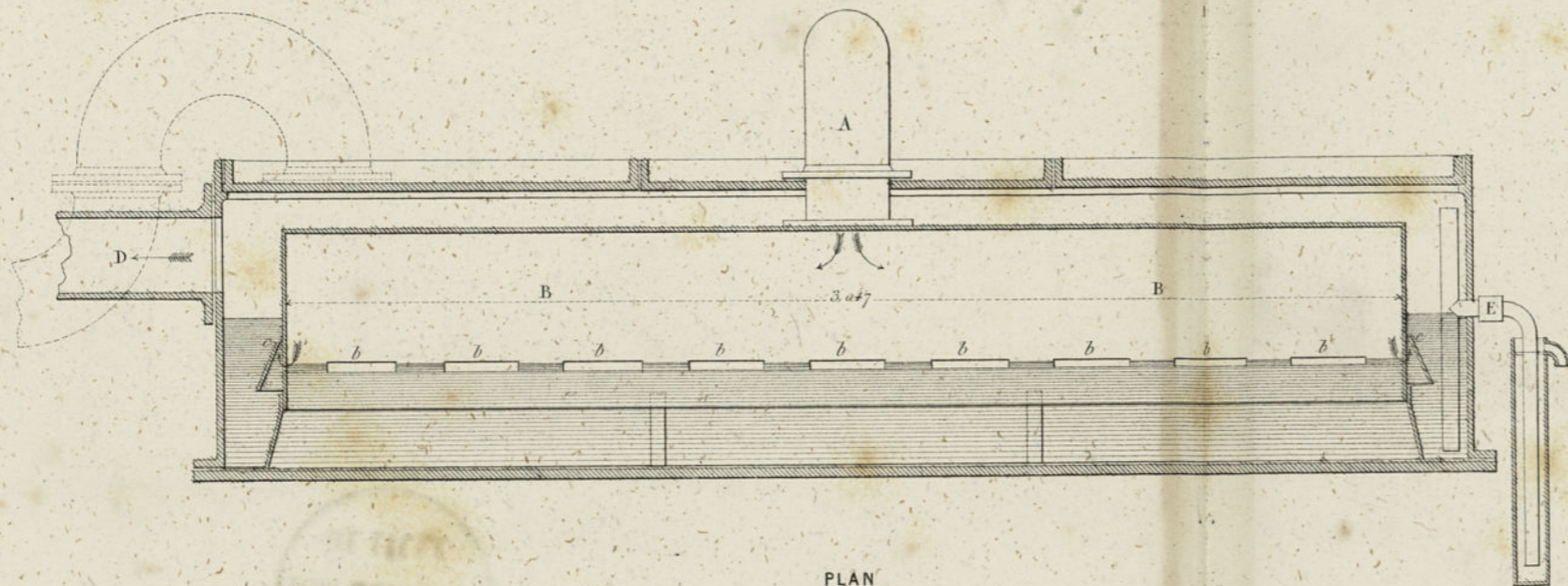


Longueur totale d'une batterie de 15 Fours = 31^m, 333.

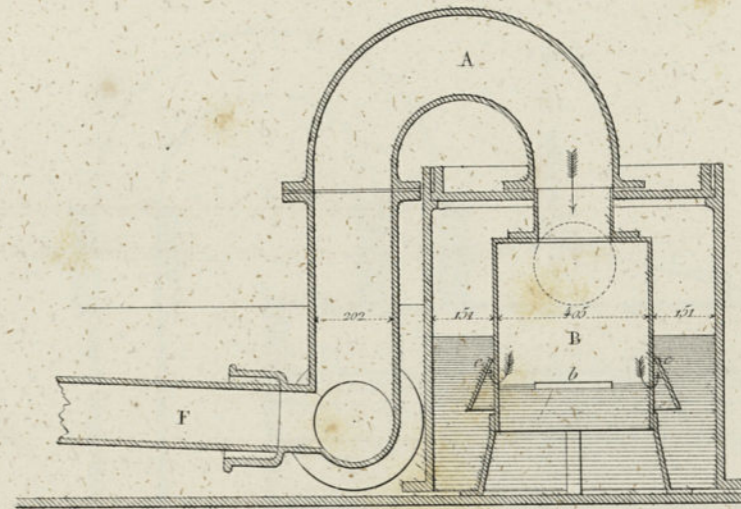


Gravé par Erhard R. Bonaparte, 42.

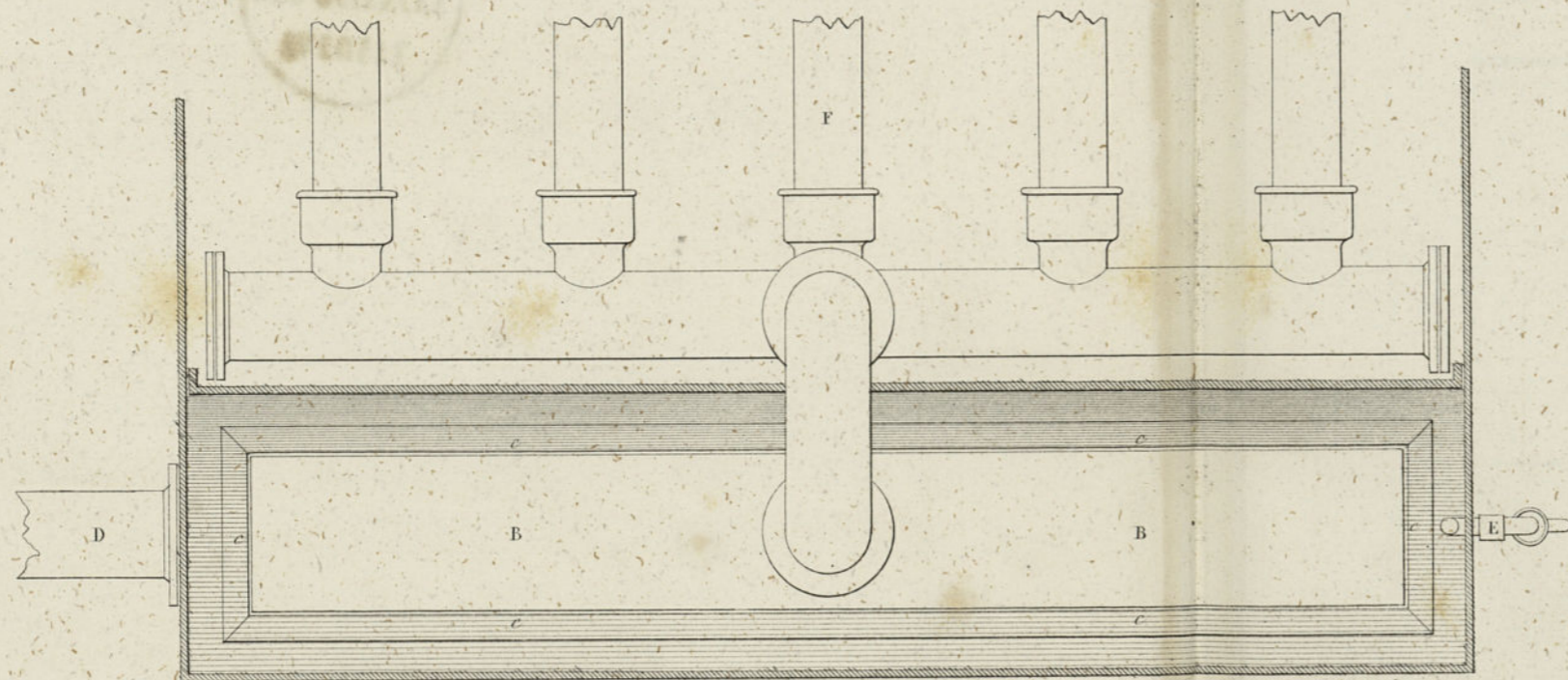
COUPE LONGITUDINALE.



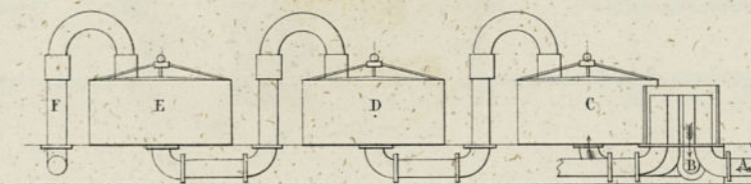
COUPE TRANSVERSALE.



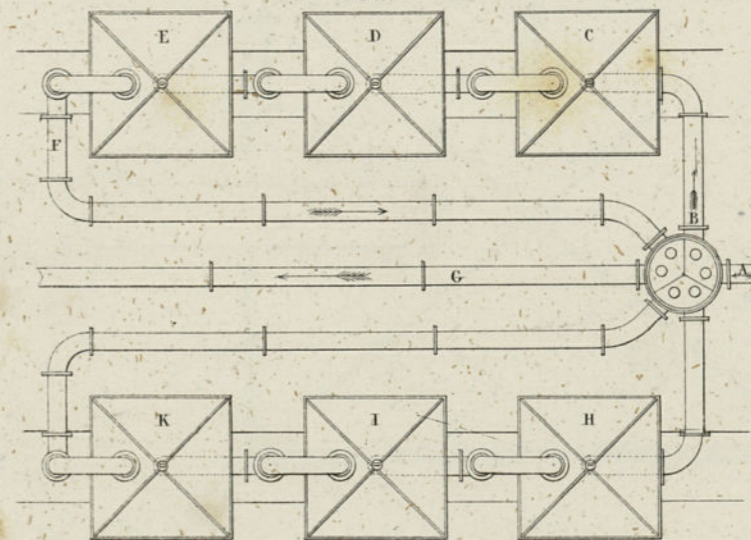
PLAN



ÉLEVATION



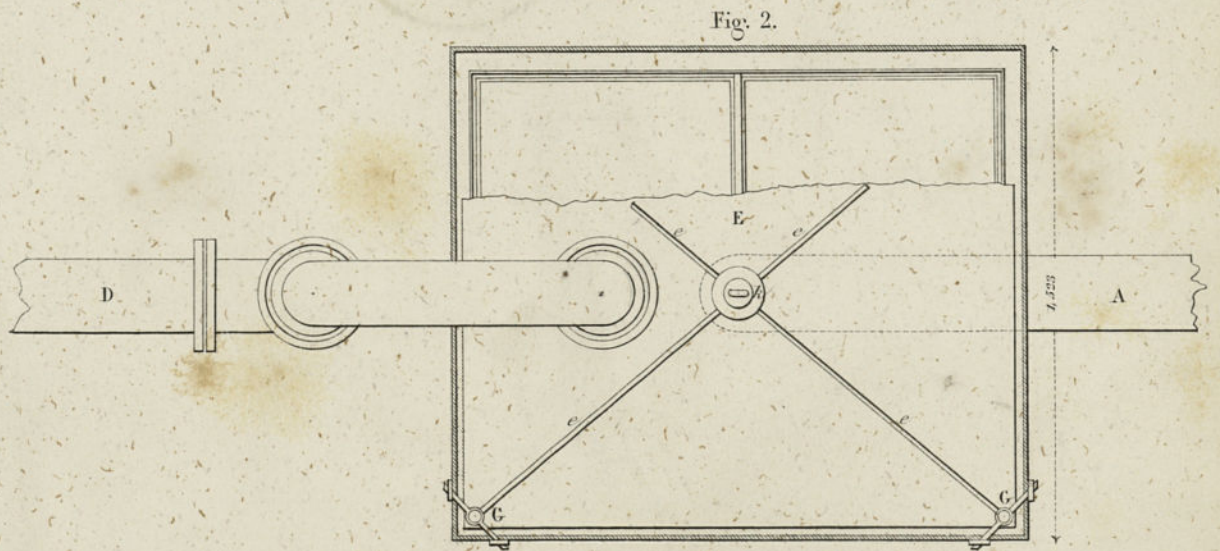
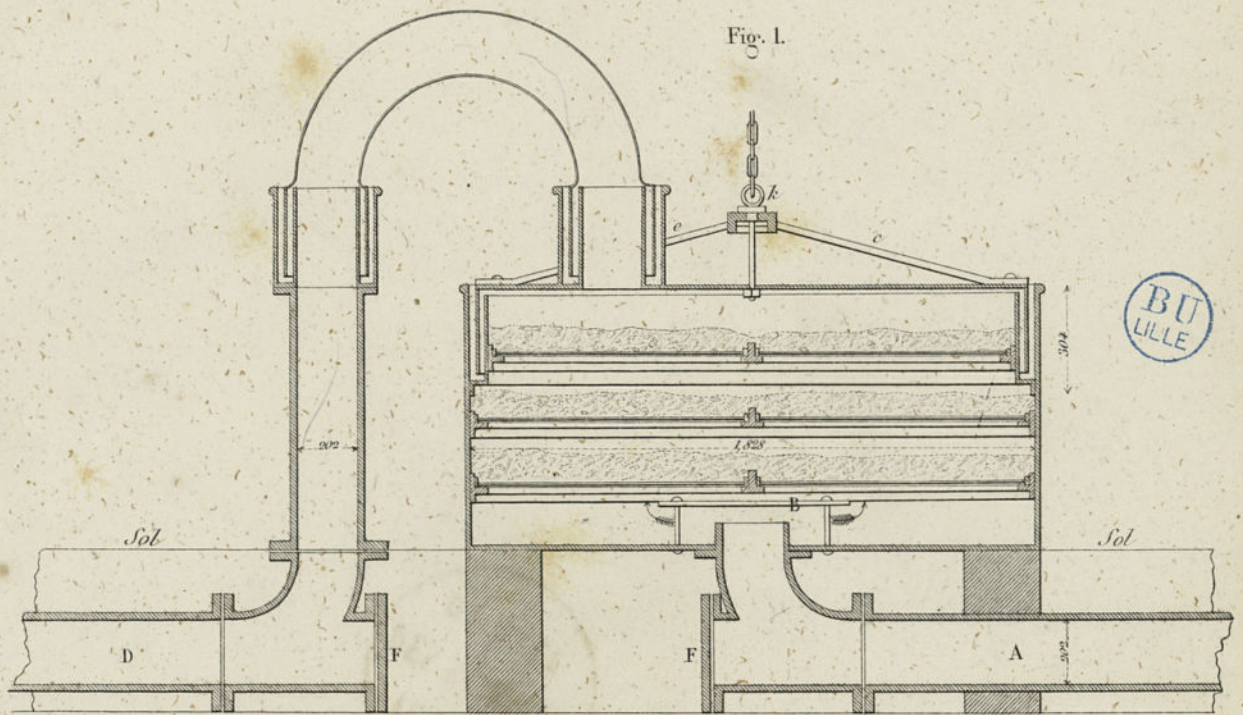
PLAN



Echelle de 0^m 05 pour 1 Mètre.
 Cent. 100 90 80 70 60 50 40 30 20 10 0 1 Mètre

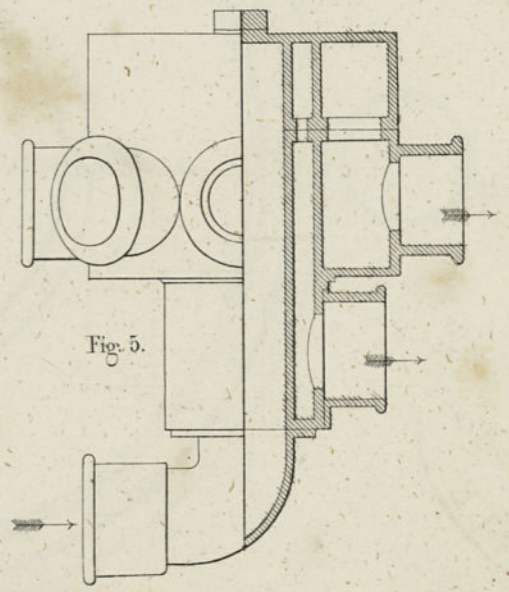
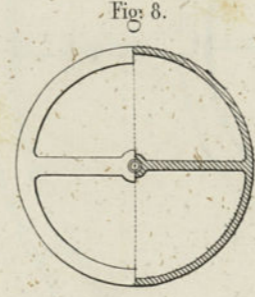
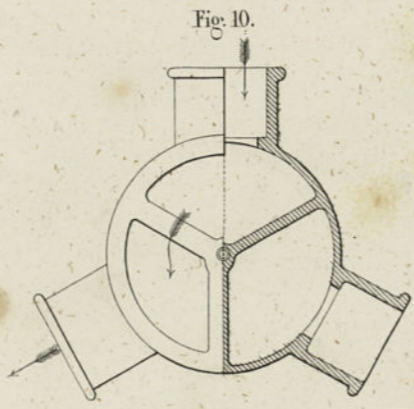
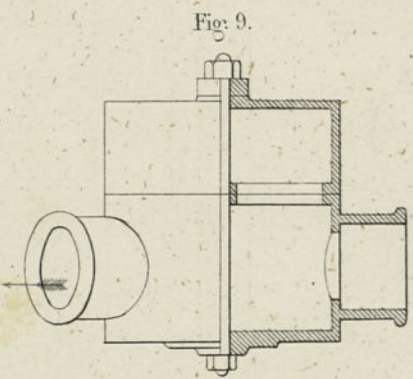
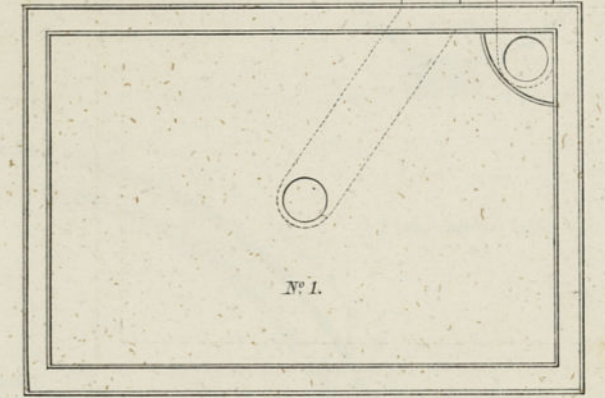
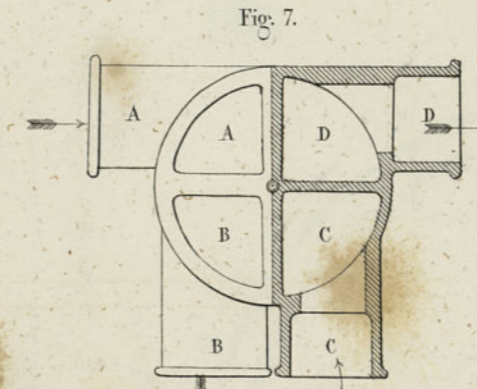
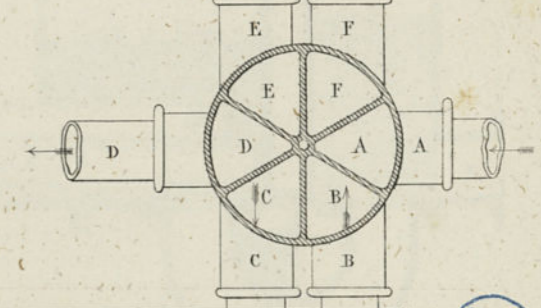
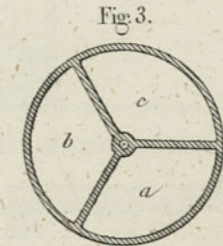
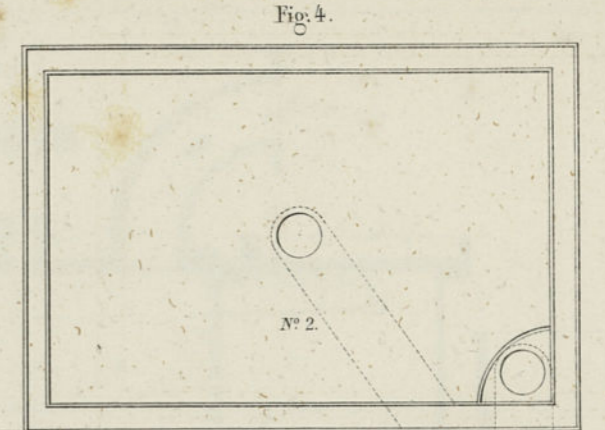
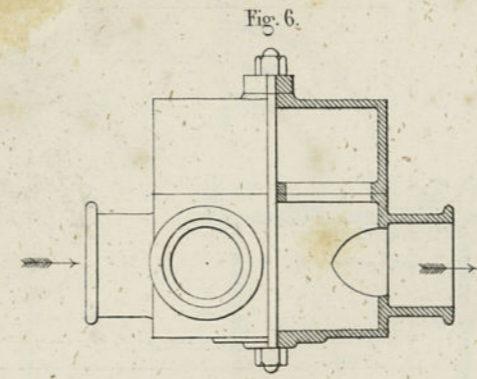
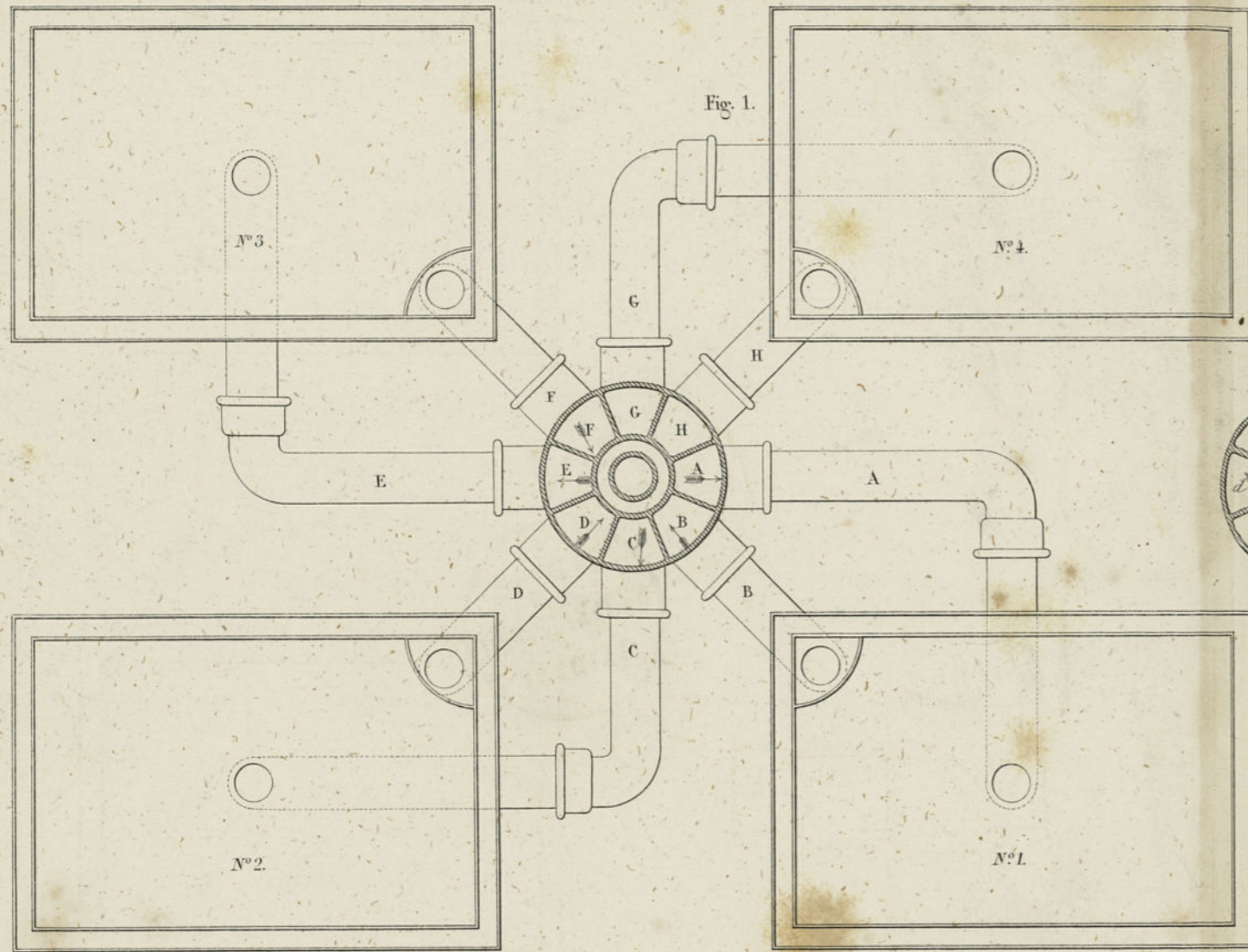
Echelle de 0^m 010 pour 1 Mètre.
 Cent. 20 50 0 1 2 3 4 Mètres.

BT
LILLE



Echelle de 0^m 043 pour 1 mètre.

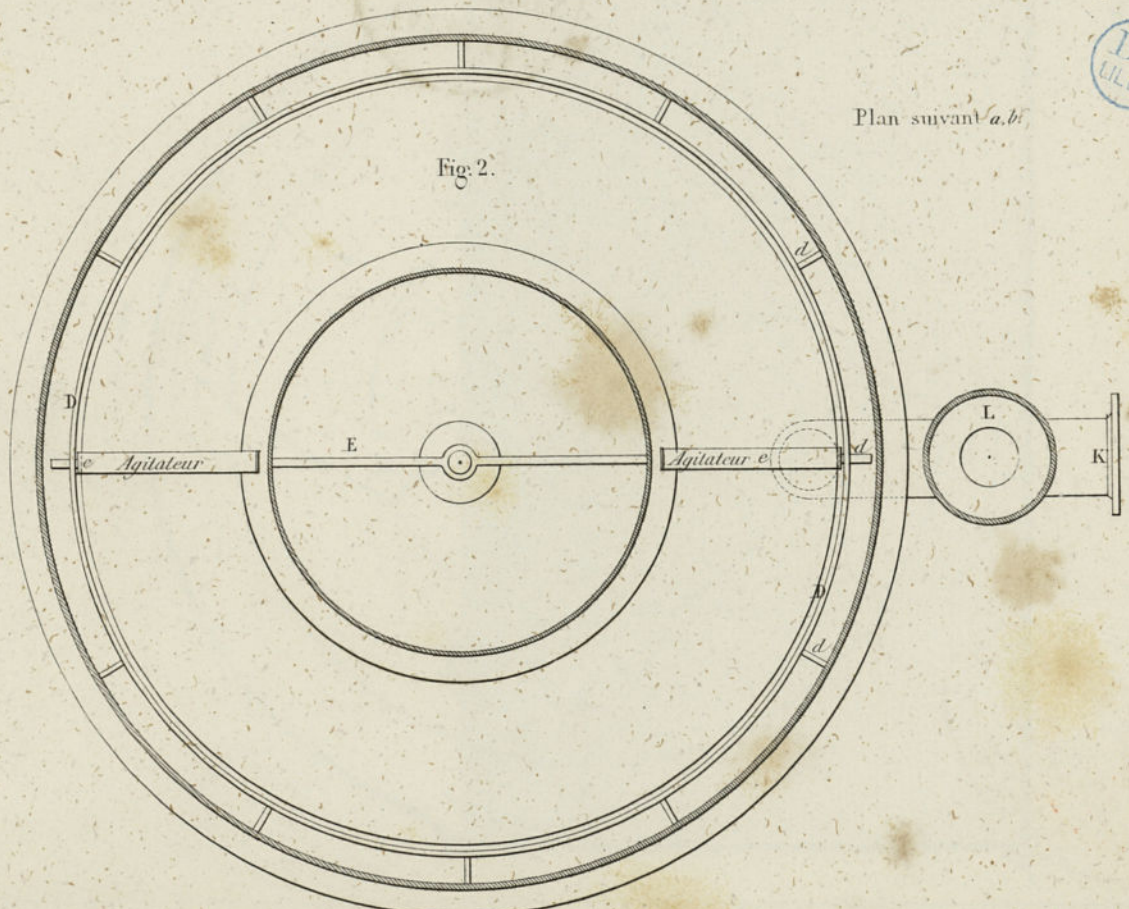
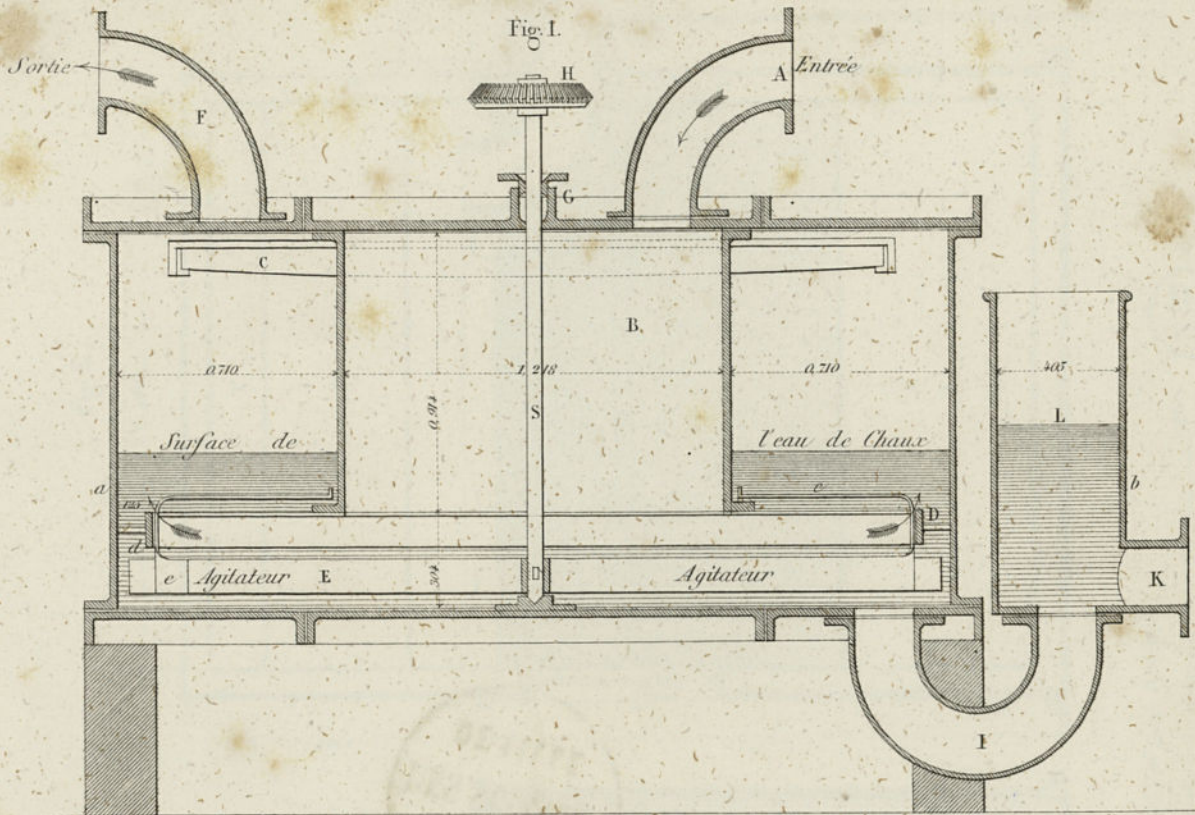
Cent. 200 50 1 Mètre



Echelle de 0^m 042 pour les Figures 1 à 4.

Echelle de 0^m 063 pour les Figures 5 à 11.

BU
LILLE



BU
LILLE

Plan suivant a, b

Fig. 2.

Fig. 1.

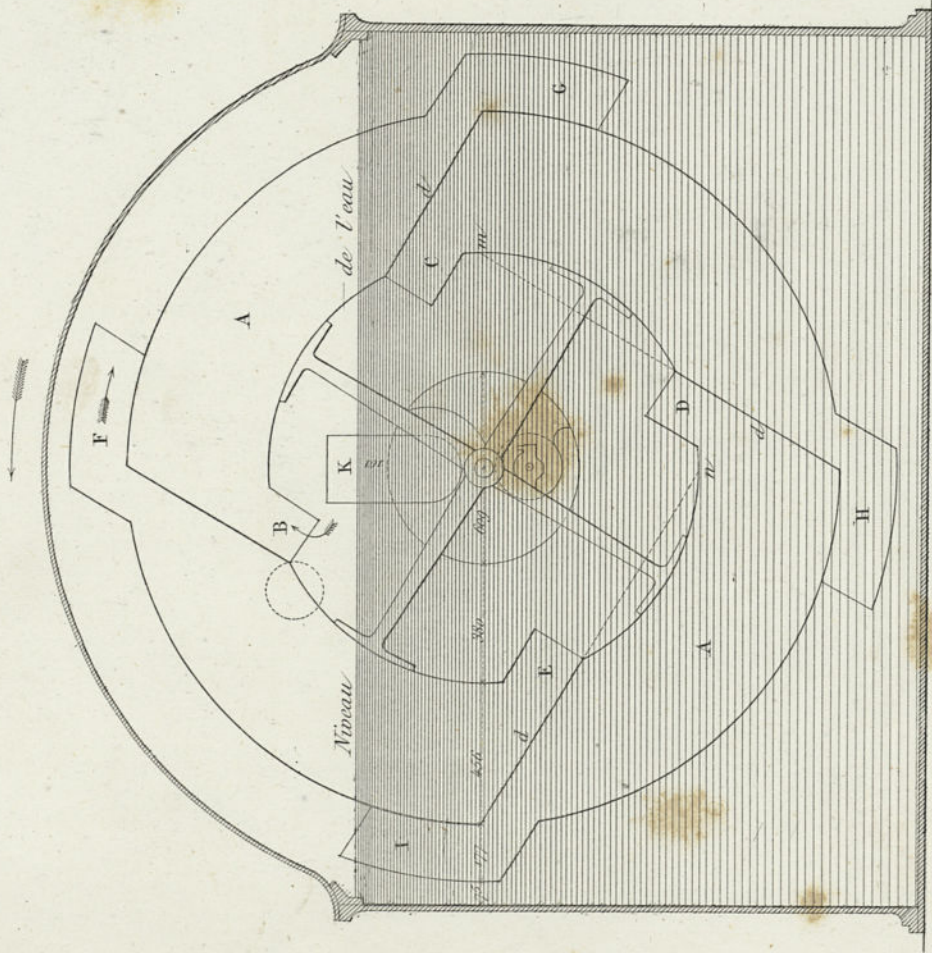
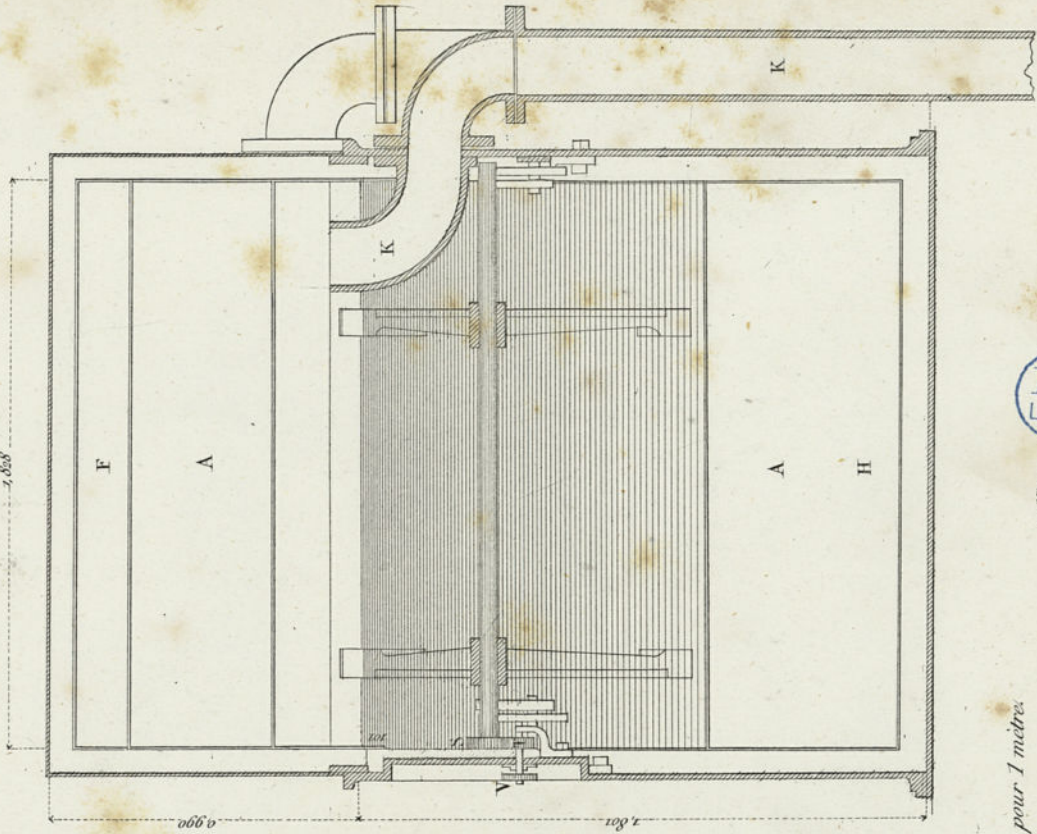
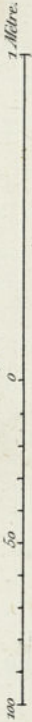


Fig. 2.

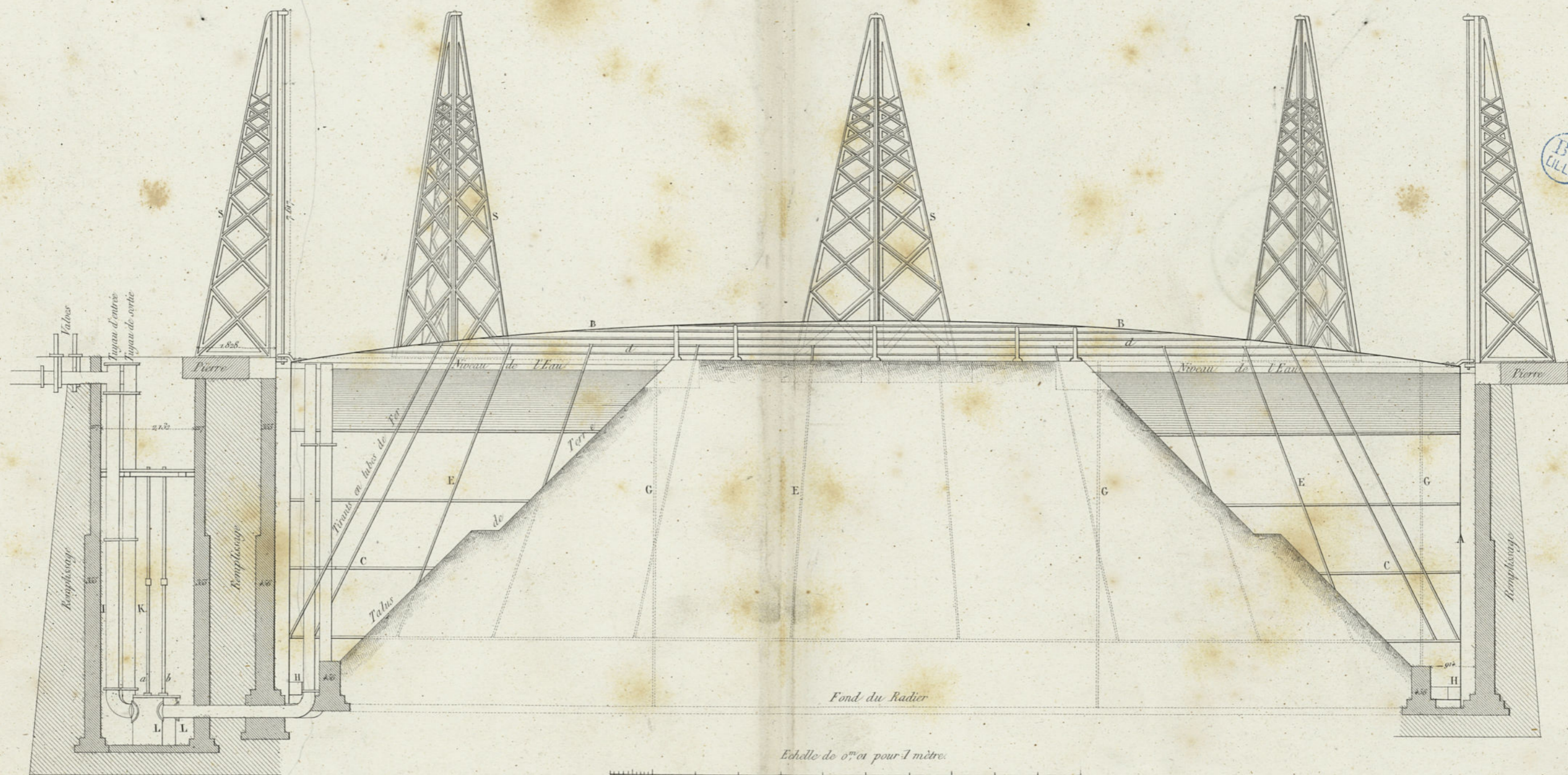


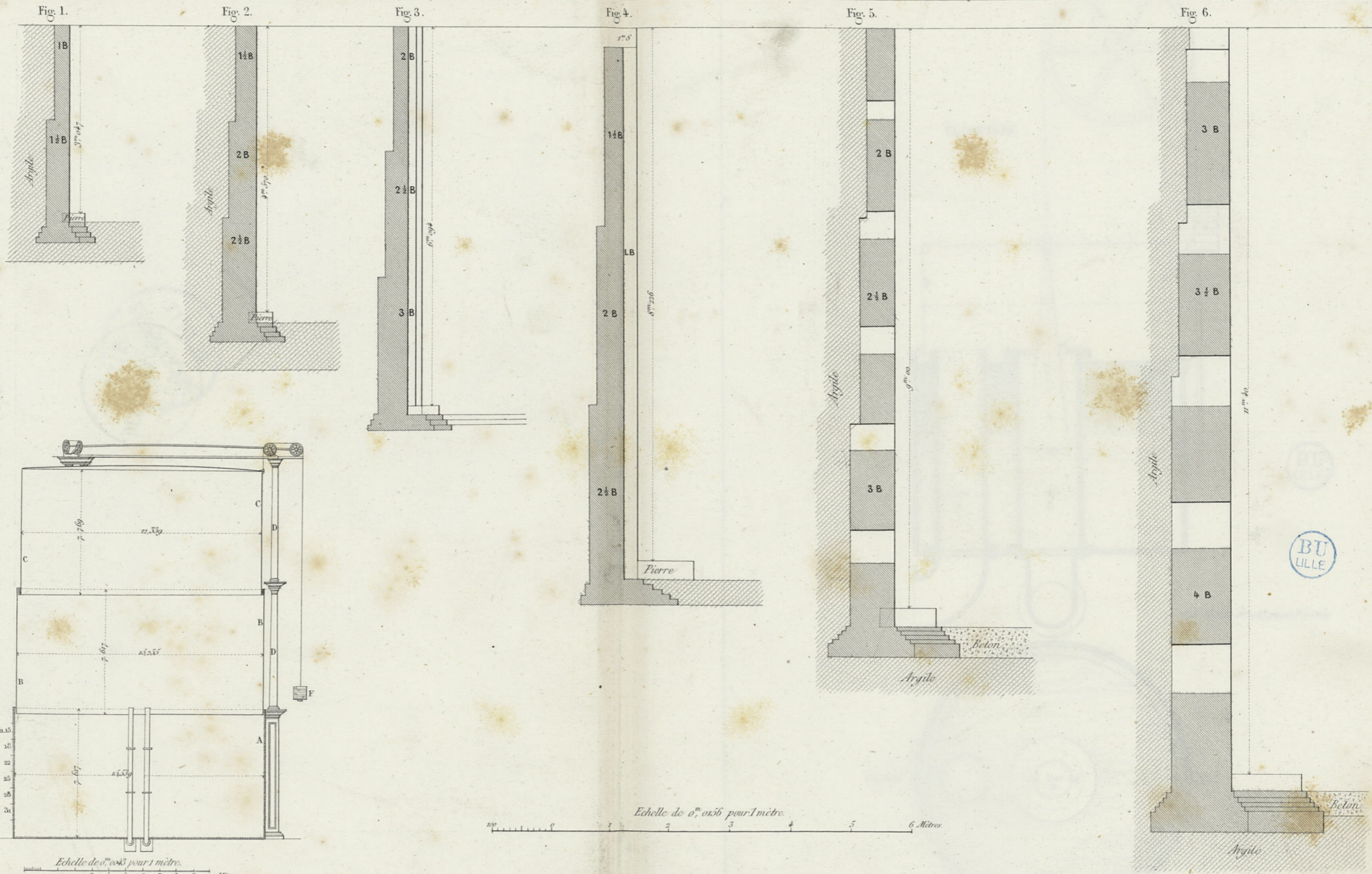
Echelle de 0^m003 pour 1 mètre.



COUPE D'UN GAZOMETRE CONTENANT 150.000 PIEDS CUBES. (environ 4200 m. cubes)

Diamètre 26^m.1. Hauteur 7^m.50 - Flèche de la calotte 1^m.08.



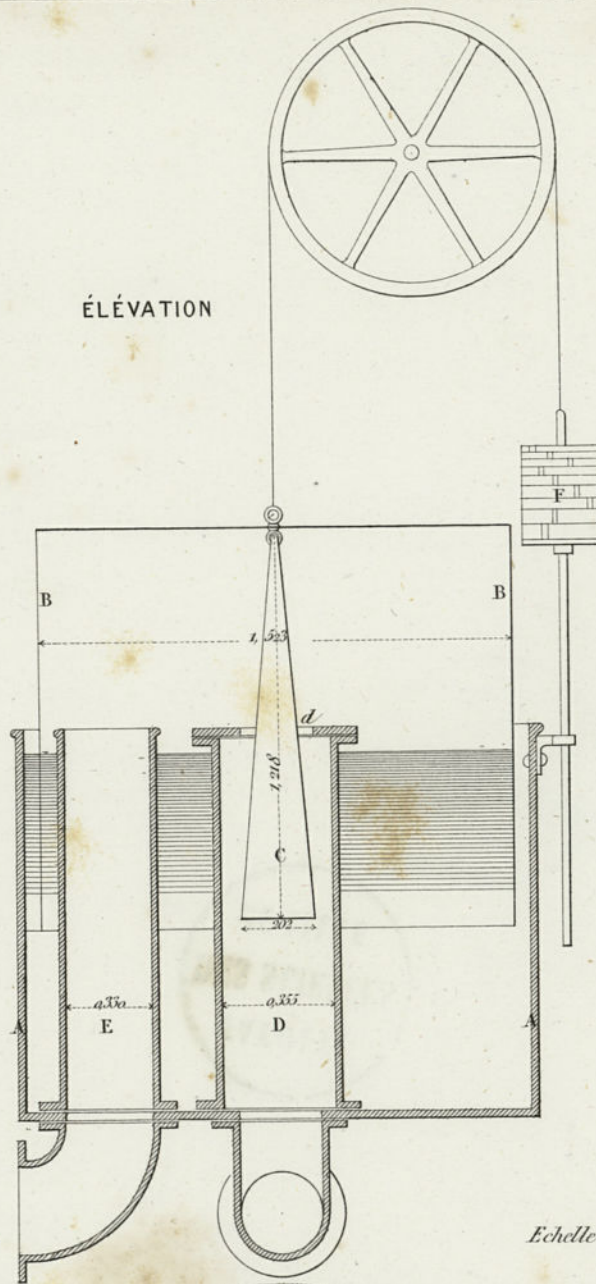


Gravée par Erhard, Bonaparte 42.

E. Lacroix Editeur, Quai Malaquais N. 15.

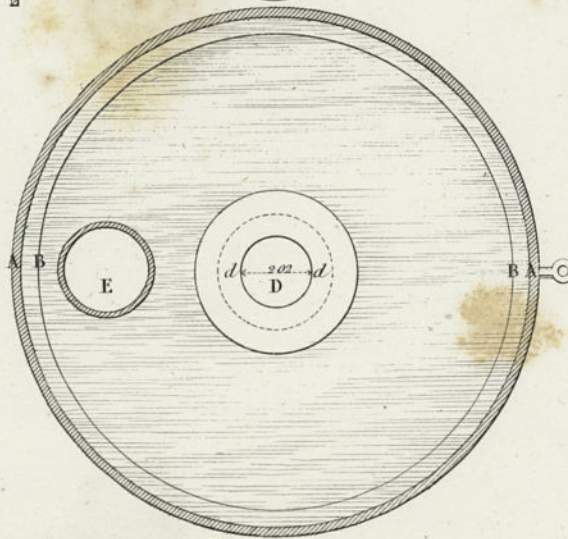
Paris Imp. Bequet.

ÉLEVATION



Echelle de 0^m,03 pour 1 mètre.

PLAN



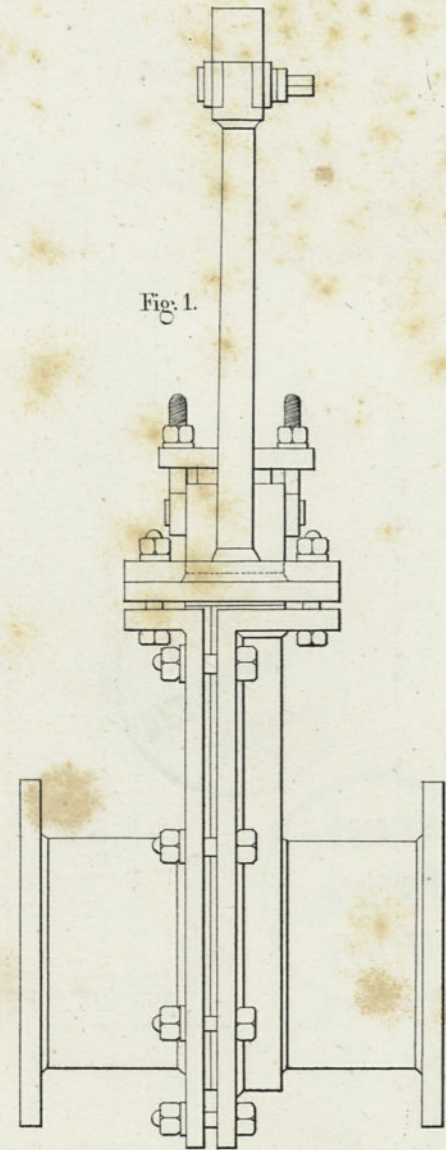


Fig. 1.

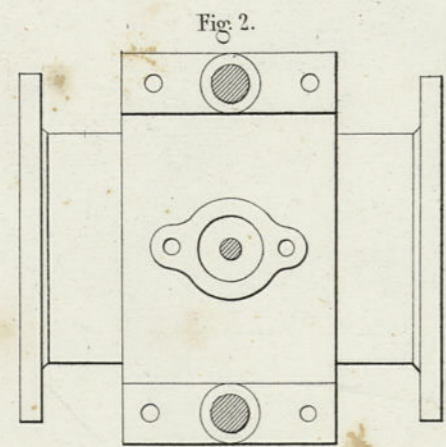


Fig. 2.

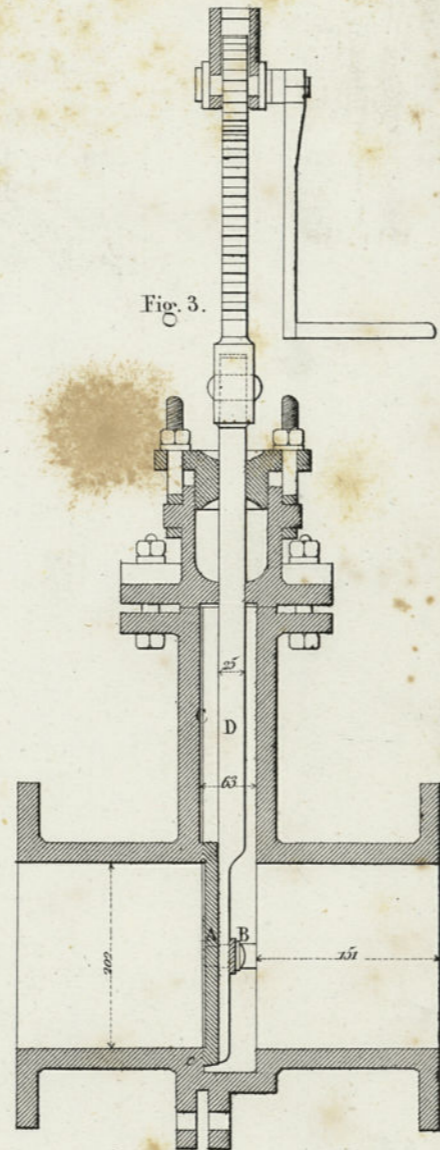


Fig. 3.

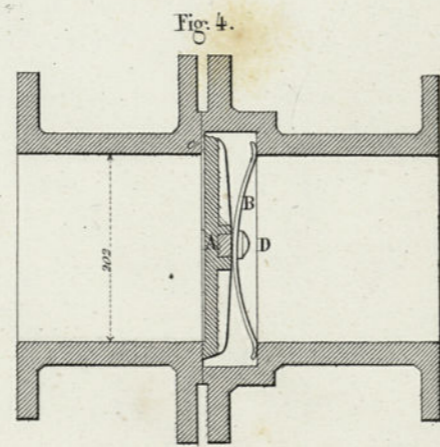


Fig. 4.

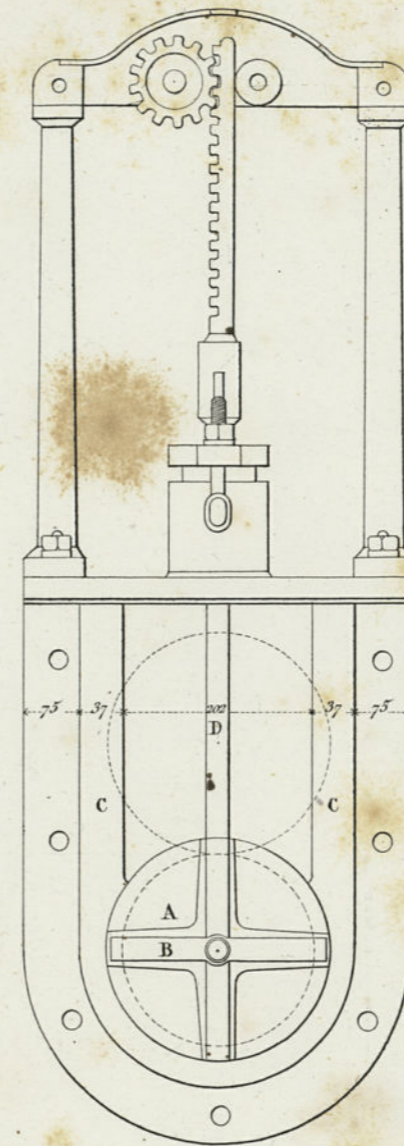


Fig. 5.

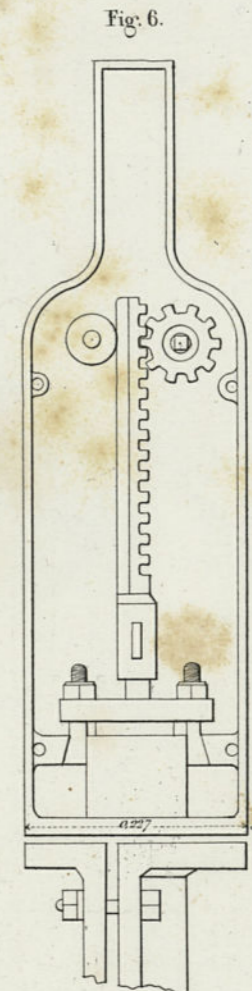


Fig. 6.

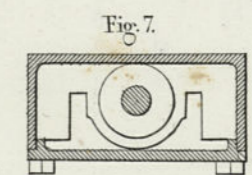
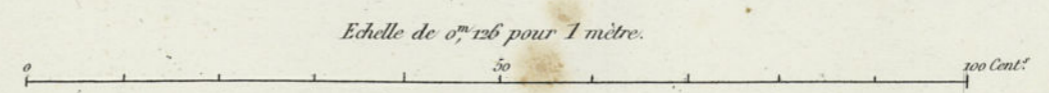
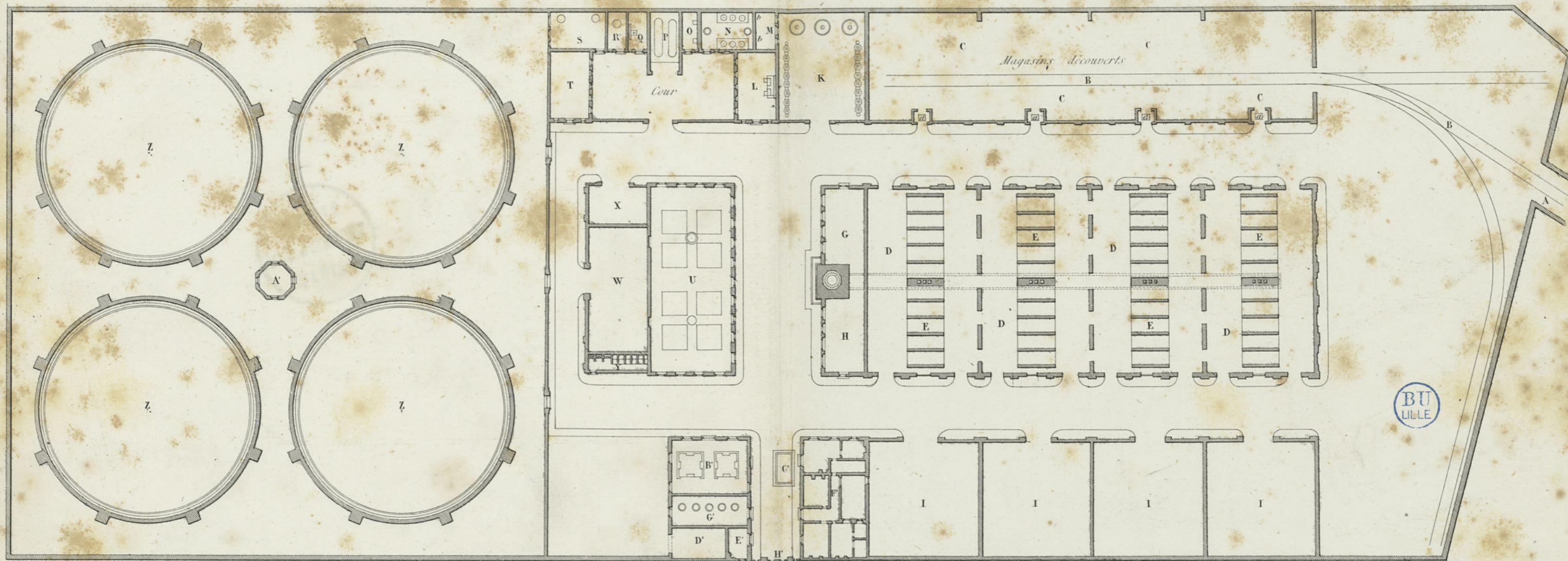


Fig. 7.



USINE DE LA "LIVERPOOL UNITED GAS LIGHT COMPANY", A WAVERTREE.



BU
LILLE

- A Tunnel conduisant au Chemin de Fer.
- BB Voie ferrée conduisant aux Magasins de Charbon.
- CC Magasins de Charbon (a a a a) Bascules.
- DDDD Ateliers de Distillation } La Cheminée courante est tracée
- EEEE Batteries de Fours à Cornues } en lignes ponctuées.
- F Cheminée.
- G Lavoir pour les Ouvriers } Des réservoirs d'eau
- H Magasins } se trouvent au dessous.
- IIII Magasins de Coke. (découverts)

- K Cour découverte pour les condenseurs et colonnes à Coke; les citernes à goudron et eaux ammoniacales sont au dessous.
- L Atelier de Forge.
- M Bâtiment des Pompes; les réservoirs à goudron et eaux ammoniacales sont au dessus.
- N Bâtiment de l'exhaus. ur.
- O Bâtiment de la machine conduisant l'exhausseur.
- P Bâtiment des Chaudières.
- Q Bâtiment des Machines à Vapeur pour différents usages.

- R Puits.
- S Moulin à Eau.
- T Atelier de Mécanicien.
- U Atelier de Purification. Le magasin pour les Matières épurantes est sur le sol, sous les purificateurs.
- W Cour pour les matières d'épuration épuisées.
- X Cour à goudron.
- Y Urinoirs et Latrines.
- Z Z Z Z Gazomètres.

- A Bâtiment contenant les Volves d'entrée et de sortie des Gazomètres.
- B Bâtiment du Compteur.
- C Bâtiment du Régulateur.
- D Magasins.
- E Logement du Concierge.
- F Bureaux et logements des employés.
- G Bascule.
- H Entrée de l'Usine.

Echelle de 0,001 pour 1 mètre.

Cent 10 0 10 20 30 40 50 Mètres.