

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



Traité Pratique  
de l'Installation et de la Distribution  
du Gaz d'Éclairage  
et de Chauffage

# 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.

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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.

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# ATLAS

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PARIS

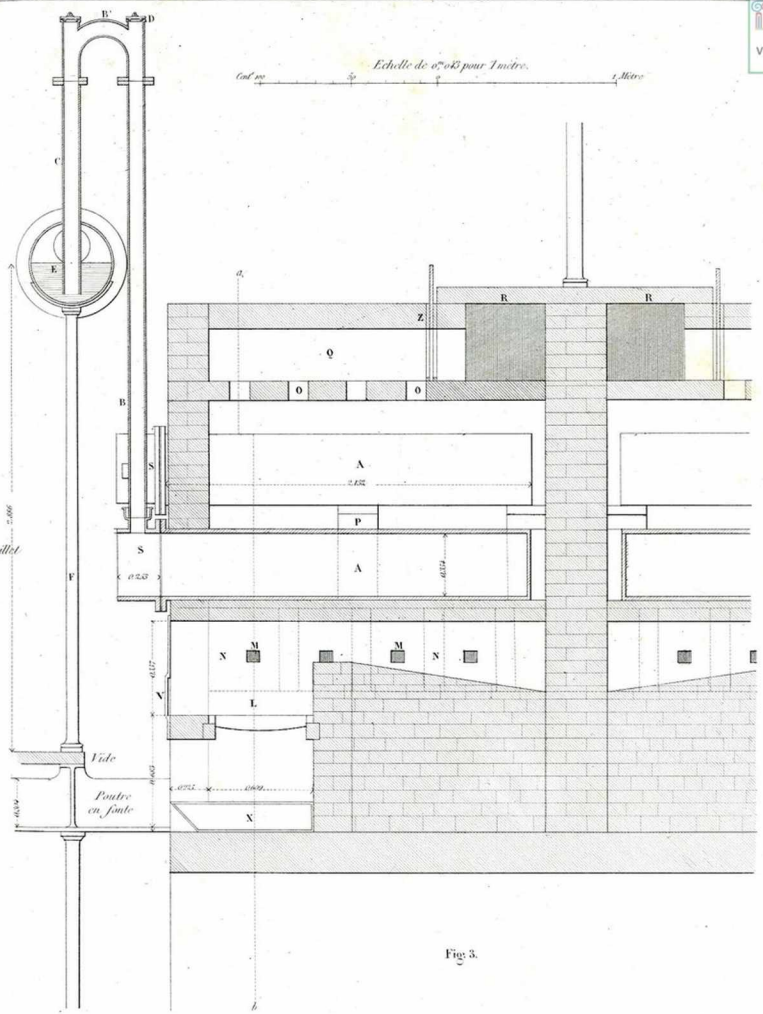
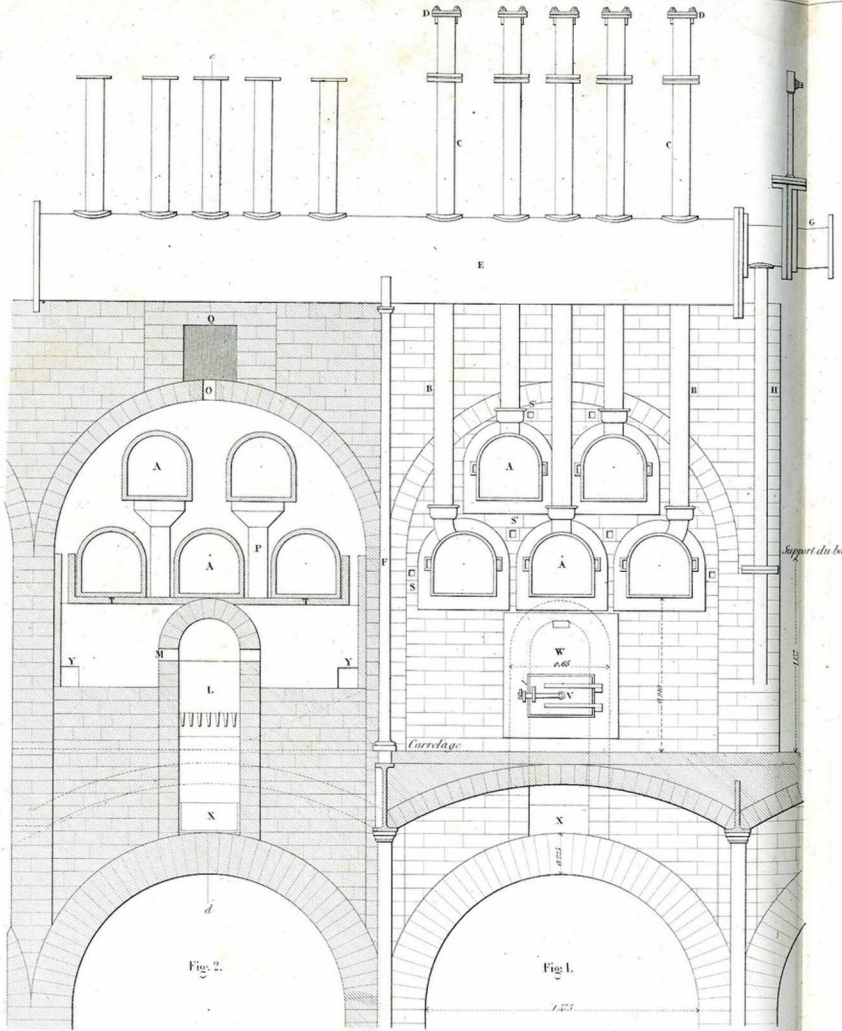
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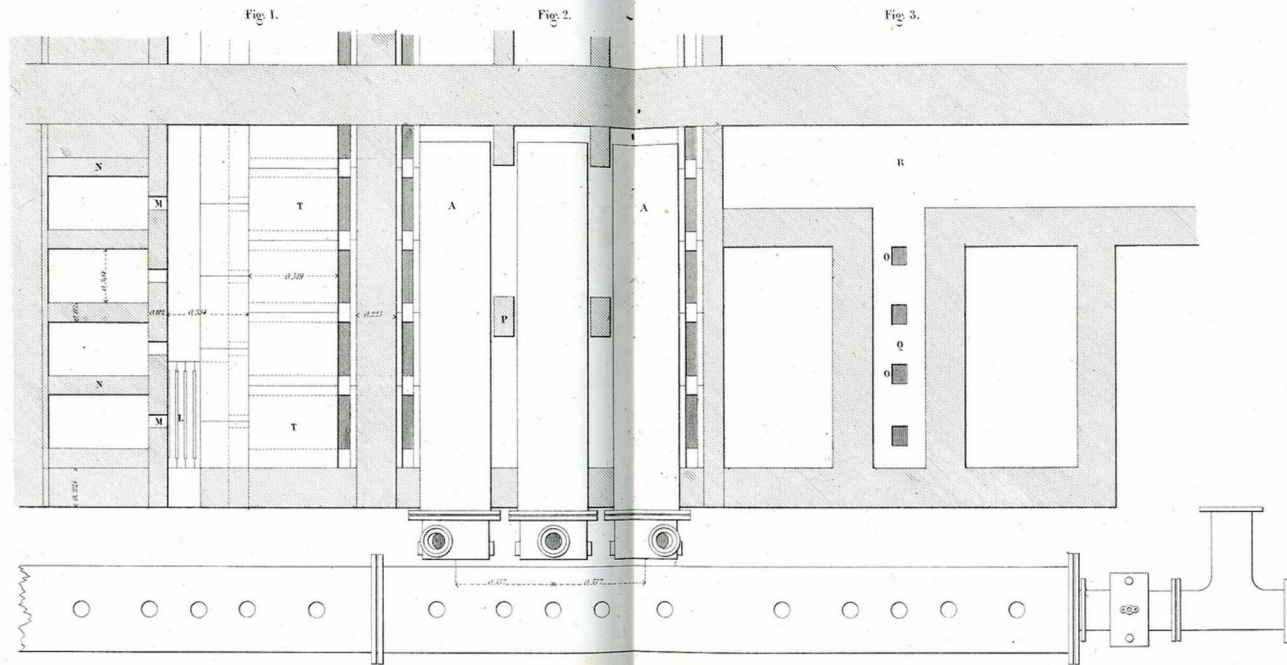
E. LACROIX

ANCIENNE MAISON MATHIAS

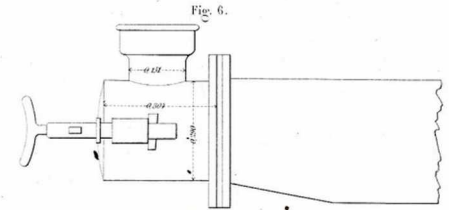
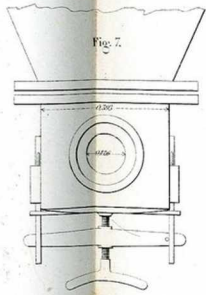
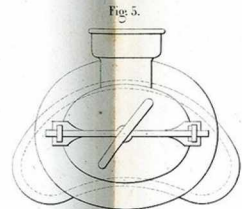
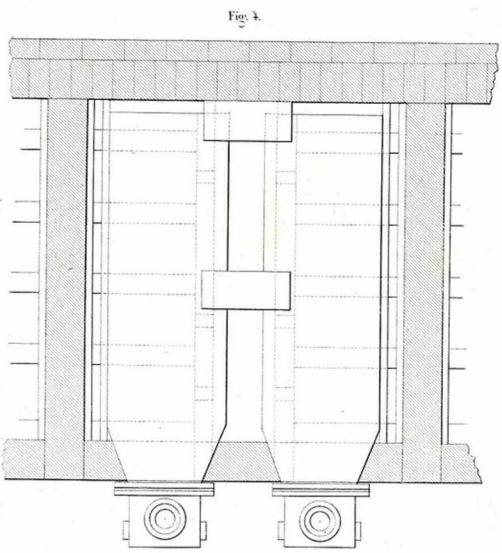
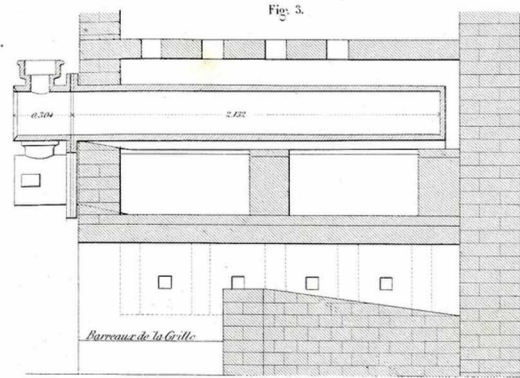
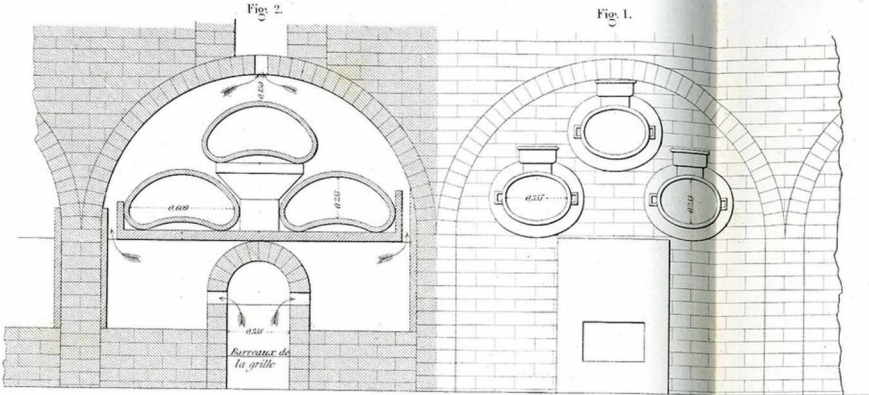
15, QUAI MALAQUAIS

1860





Echelle de 0<sup>m</sup>.05 pour 1 mètre.



Echelle de 0<sup>m</sup>,483 pour 1 mètre pour les Figures 5, 6, 7.

Echelle de 0<sup>m</sup>,483 pour 1 mètre pour les Figures 1, 2, 3, 4.

Fig. 1.

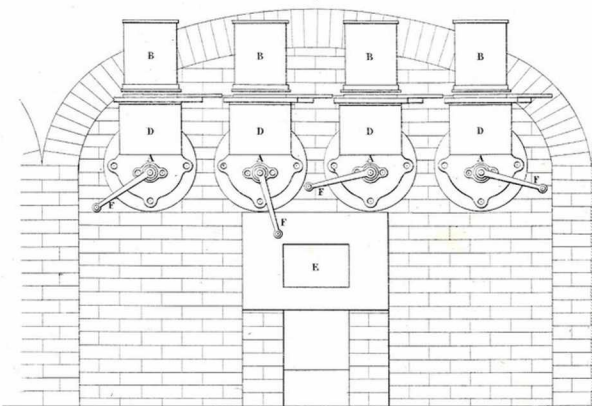


Fig. 2.

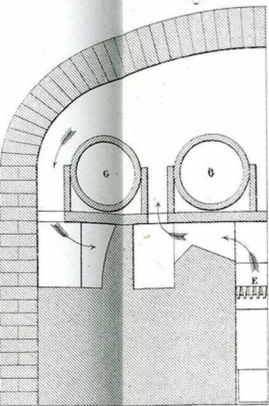


Fig. 3.

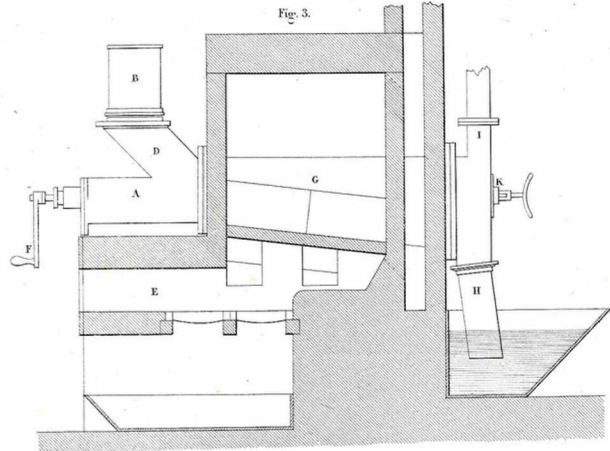
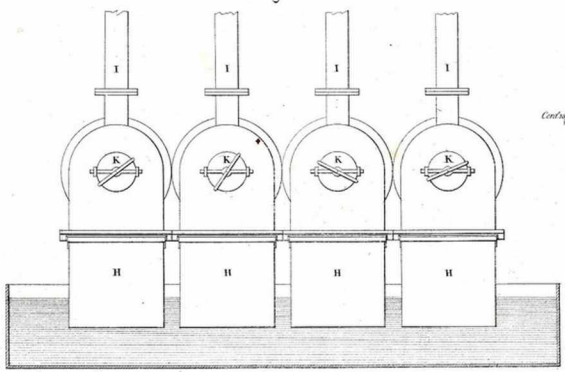


Fig. 4.



Echelle de 0<sup>m</sup> 043 pour 1 mètre.  
Consp. 5p 9 1 Mètre

Fig. 5.

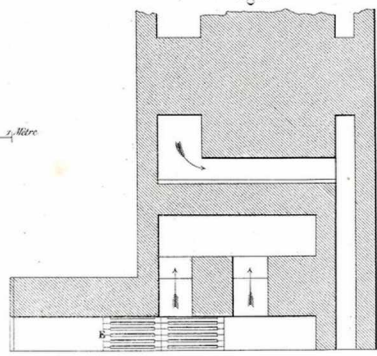


Fig. 1.

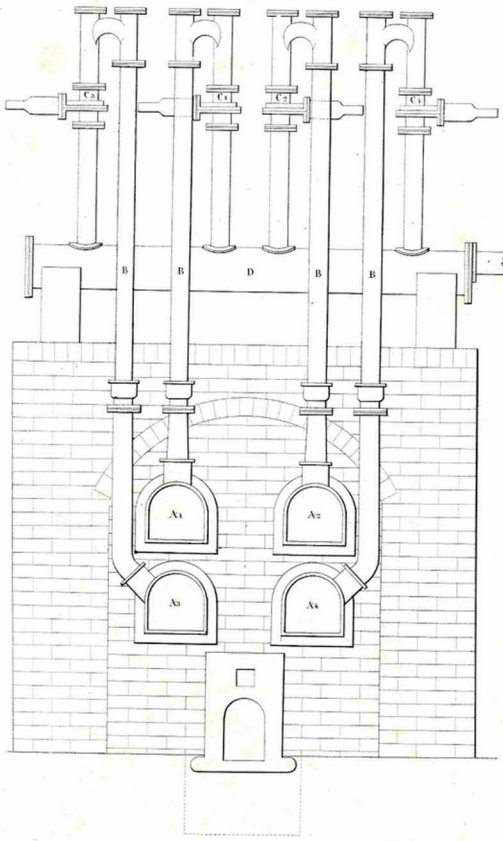


Fig. 2.

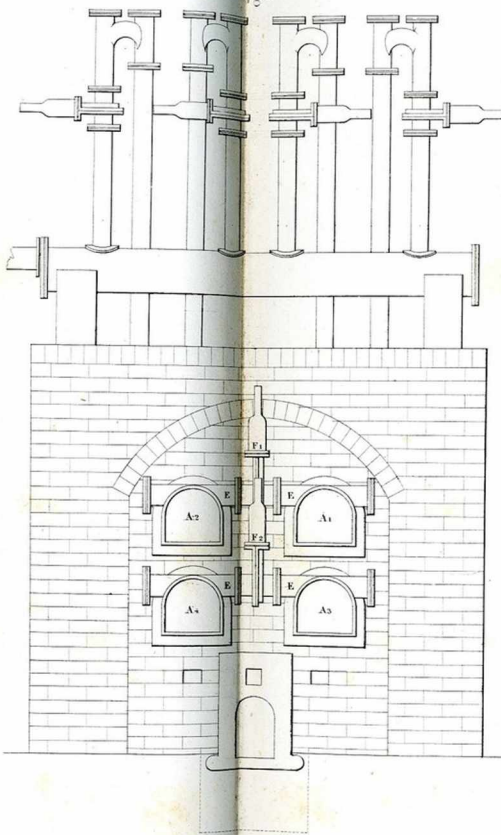
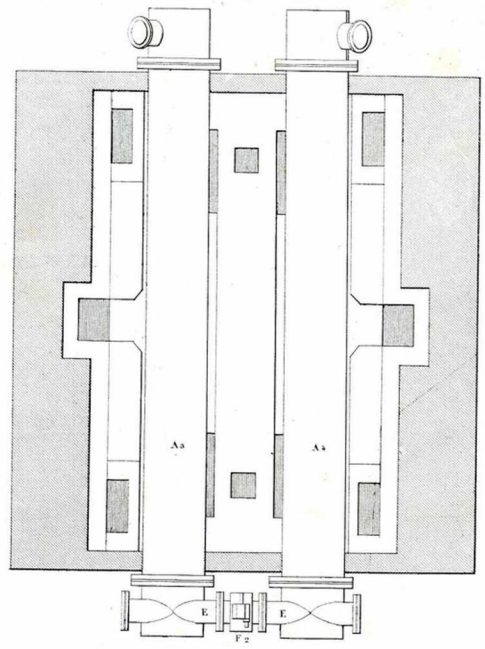


Fig. 3.



Echelle de 0<sup>m</sup>03 pour 1 mètre. 1/1000



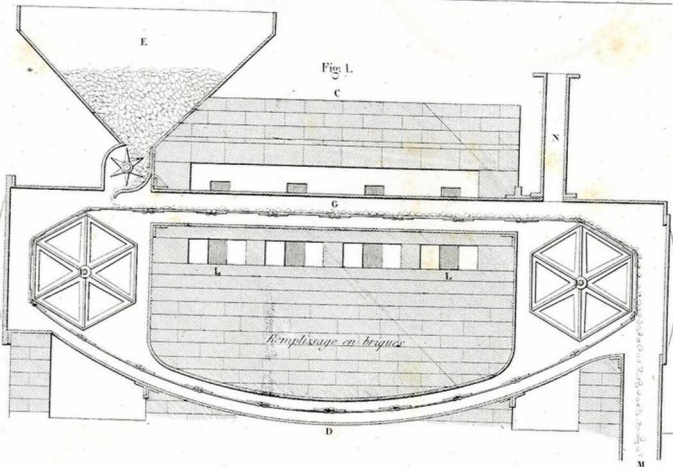


Fig. 4.

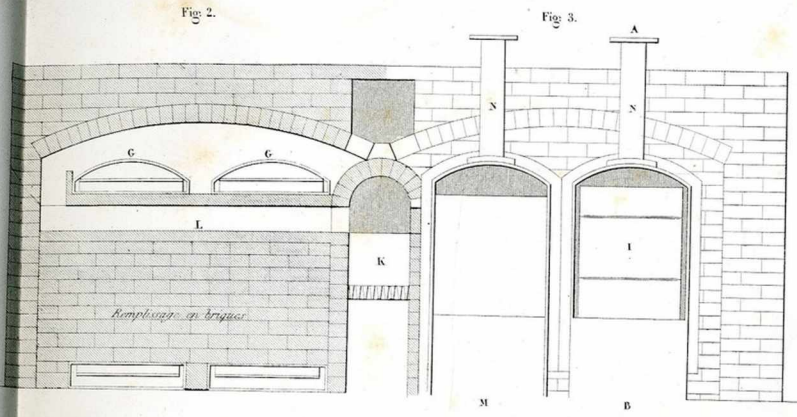
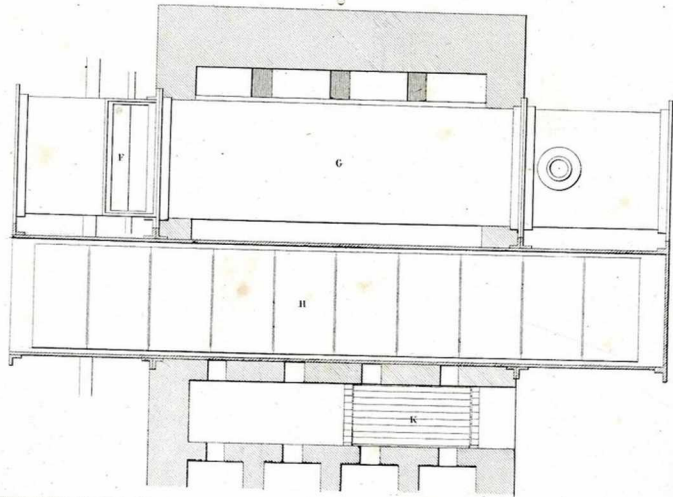
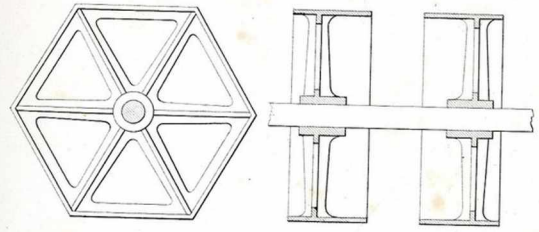
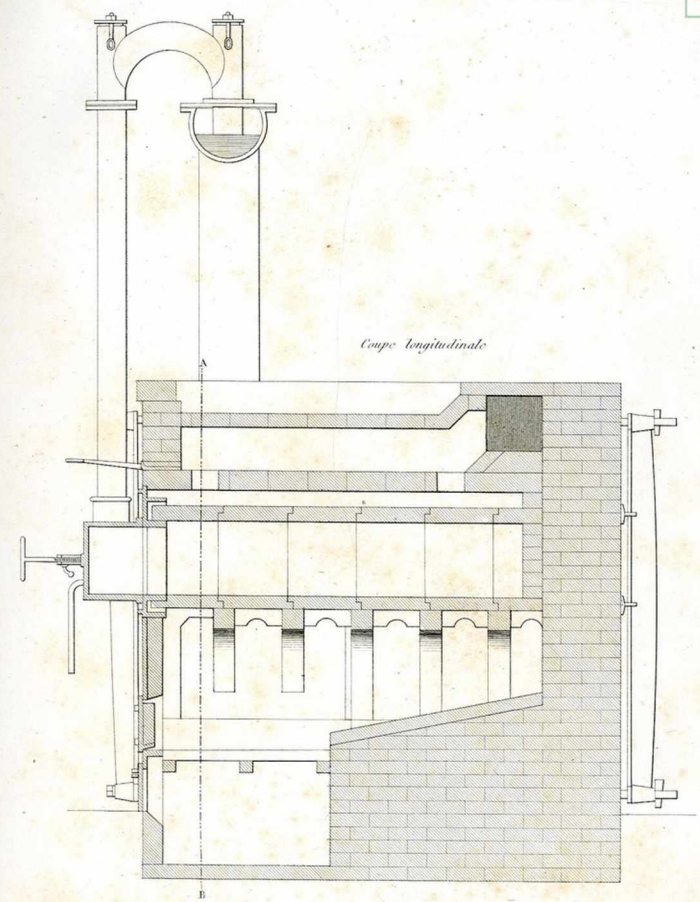
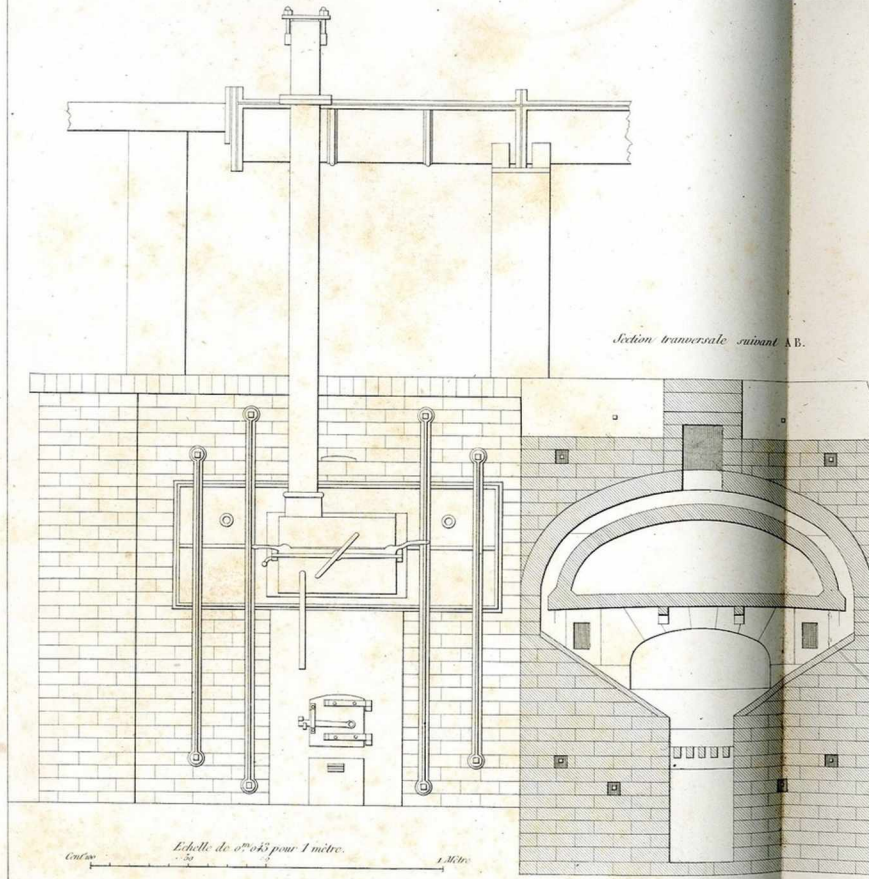


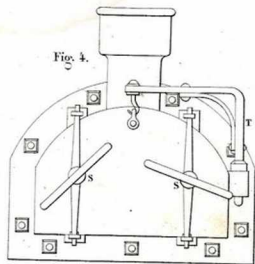
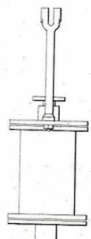
Fig. 5.



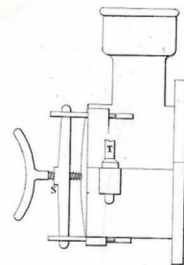
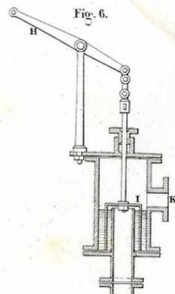
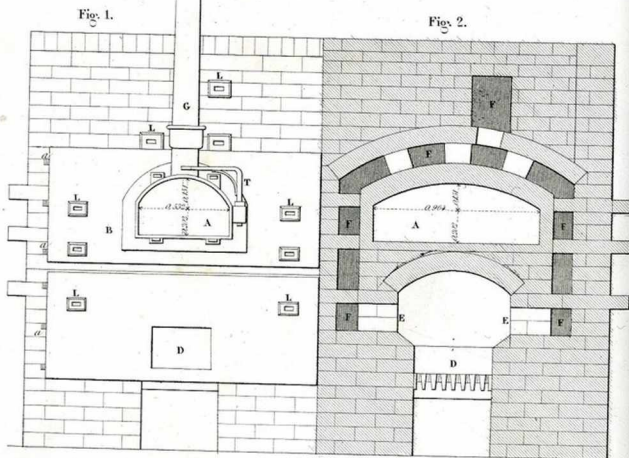
Echelle de 0<sup>m</sup>50 pour 1 mètre.

0.50 1.00 1.50 2.00

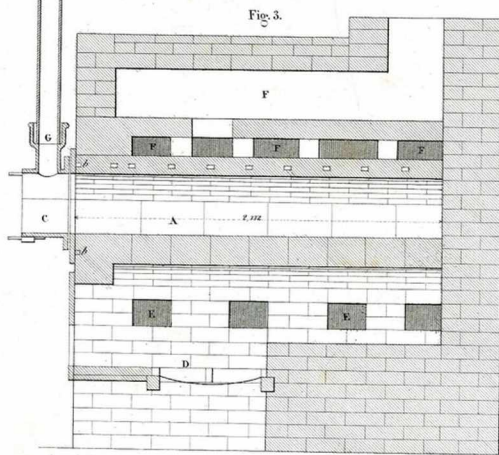




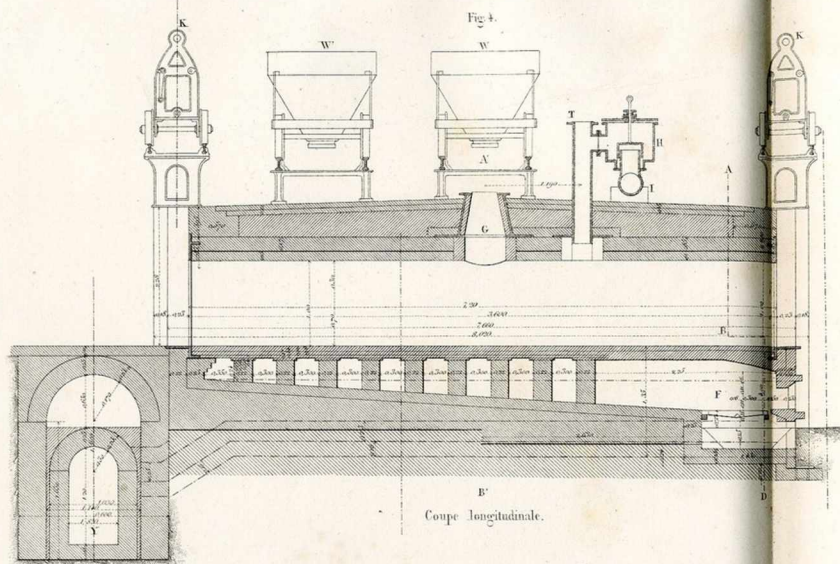
Echelle de 0,005 pour 1 mètre pour les Figures 1, 2, 4, 3



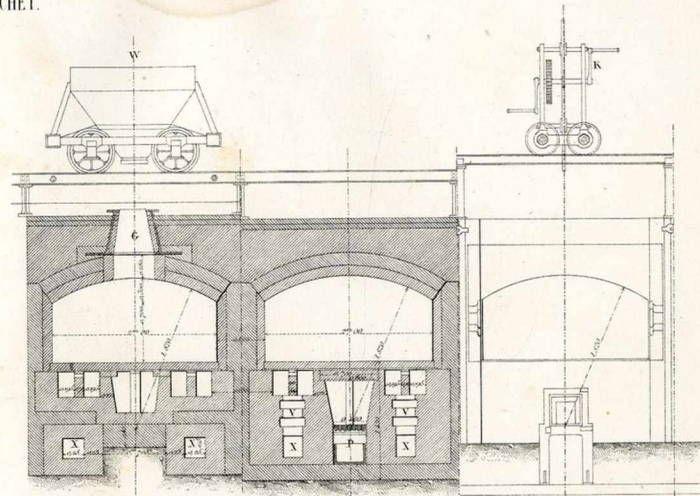
Echelle de 0,005 pour 1 mètre pour les Fig. 5 et 6



### FOURS PAUWELS ET DUBOCHET.



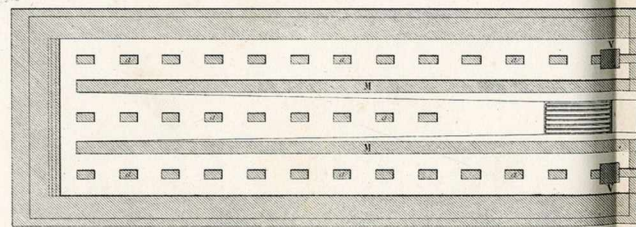
Coupe longitudinale.



Coupe suivant AB

Coupe suivant A.B.C.D.

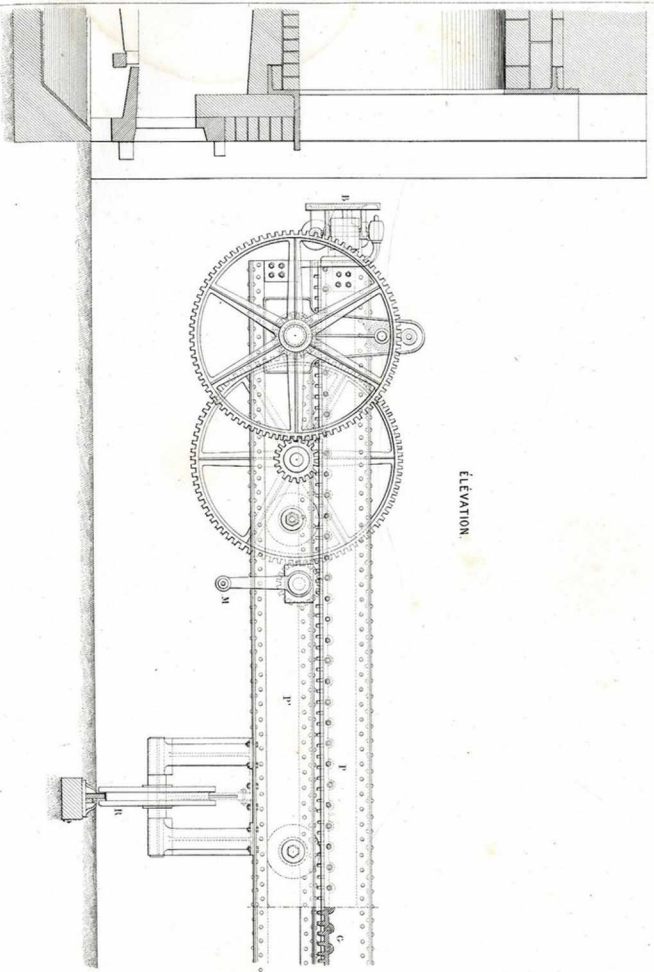
Elevation



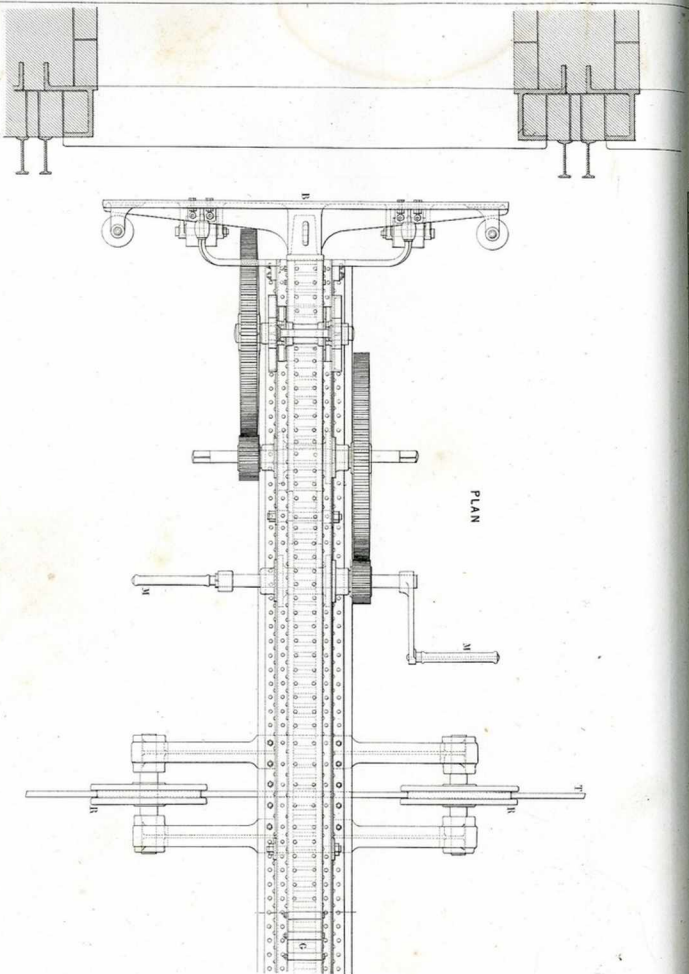
Plan.

Echelle de 0<sup>m</sup>000 pour 1 mètre.

REPOUSSOIR DES FOIES PAVELS ET DUBOCHET.



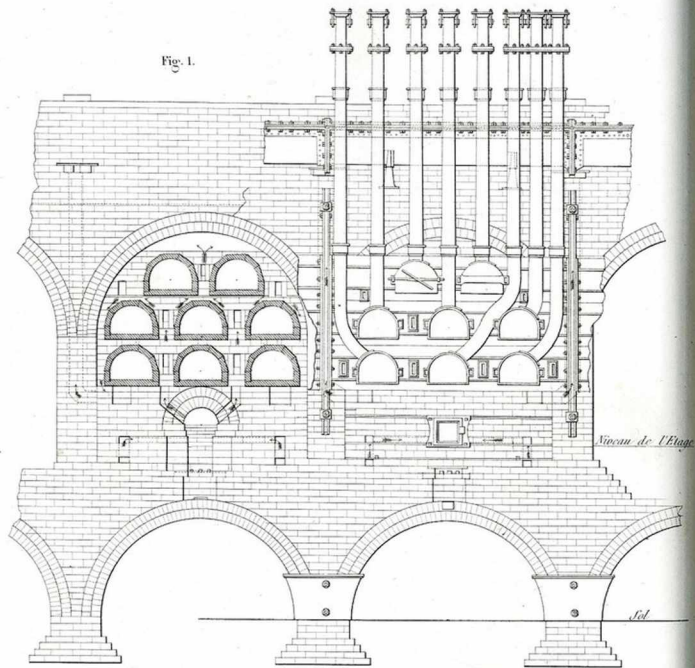
*Echelle des 0<sup>m</sup> 01 pour l'arbre.*



### CORNUES EN BRIQUES DE F. J. EVANS.

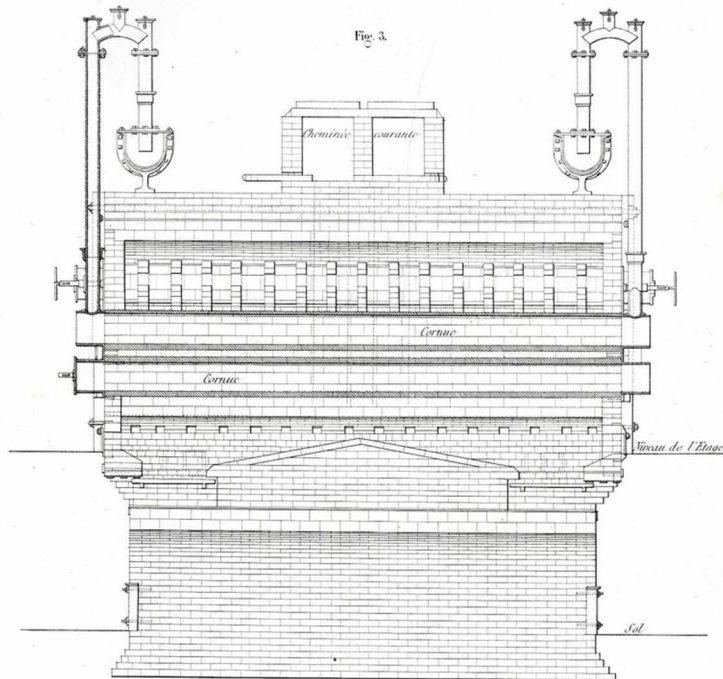
Fig. 2.

Fig. 1.



Elevation

Fig. 3.



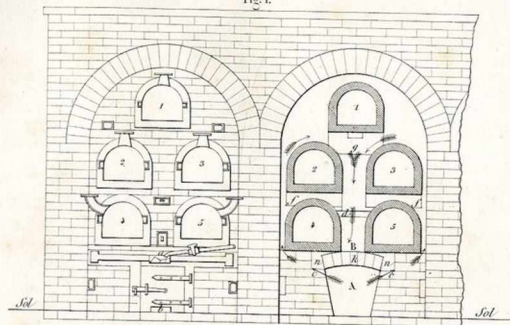
Coupe longitudinale.

Echelle de 1/20 pour 1 mètre.



FOUR A 5 CORNUES DE CORTEEN.

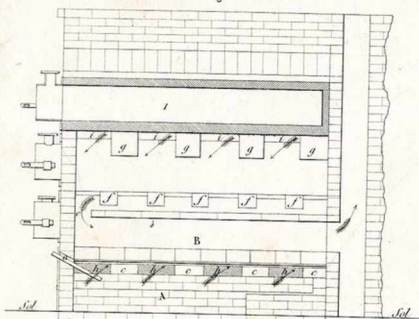
Fig. 1.



Vue de face.

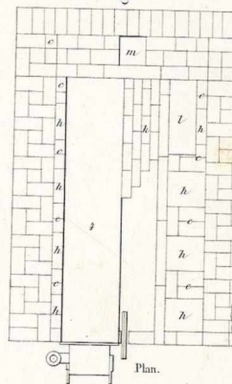
Coupe transversale.

Fig. 2.



Coupe longitudinale.

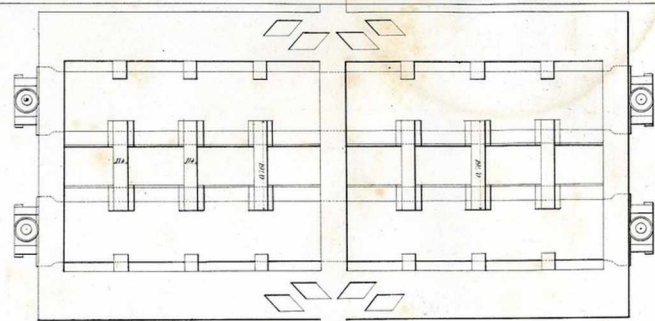
Fig. 3.



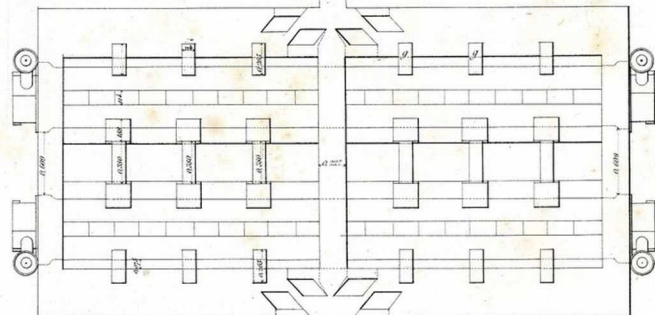
Plan.

Echelle de 0<sup>m</sup>08 pour 1 mètre.

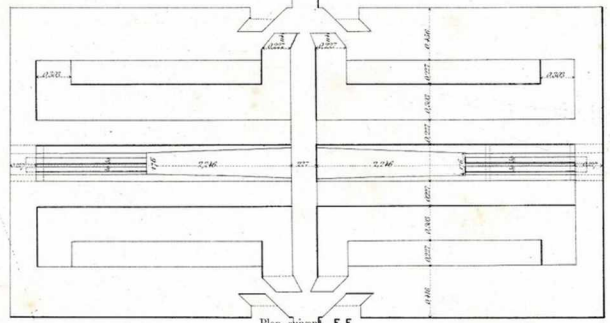
0.08



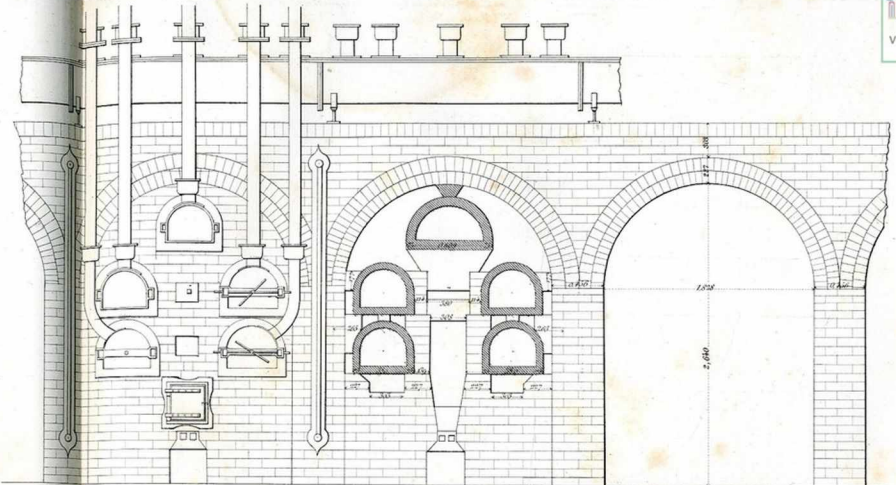
Plan suivant A.B.



Plan suivant C.D.

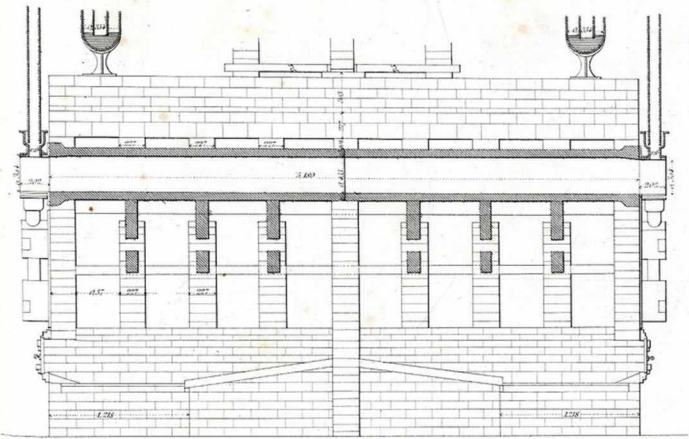


Plan suivant E.F.



Elevation.

Coupe transversale.

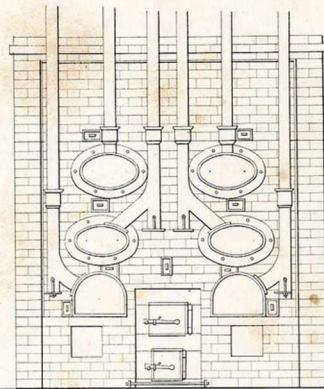
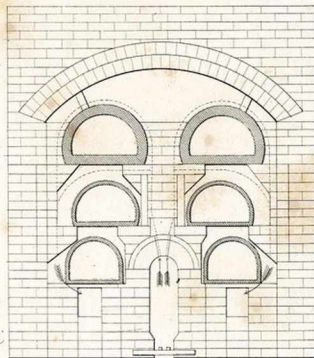
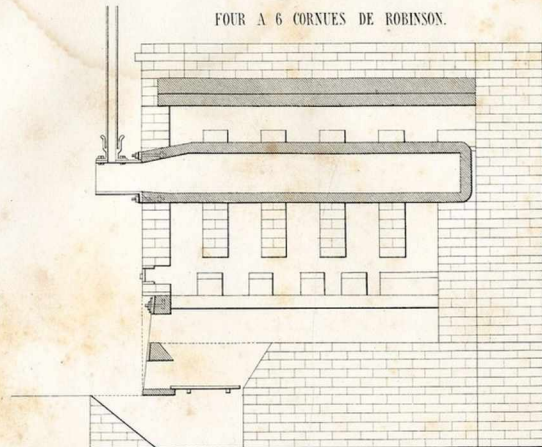


Coupe longitudinale.



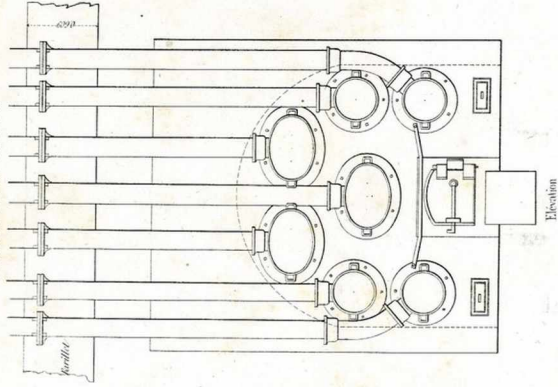
Classe d'éclairage.

FOUR A 6 CORNUES DE ROBINSON.

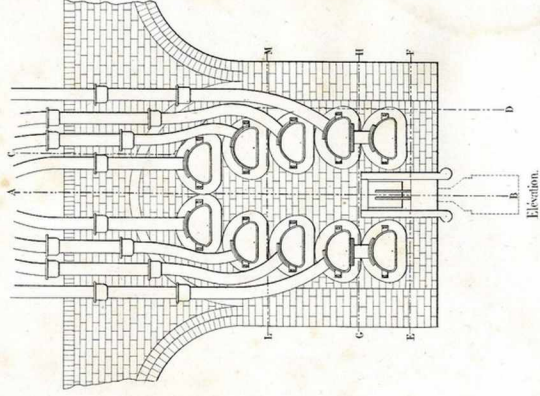


Echelle de 0<sup>m</sup> 005 pour 1 mètre.

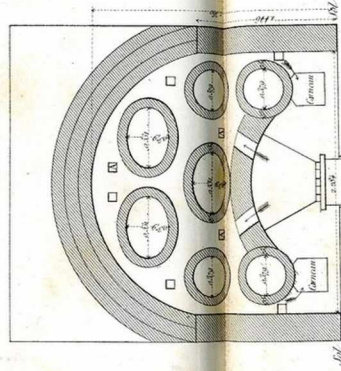
FOUR A 7 CORNUES DE JONES.



FOUR A 10 CORNUES DE METHVEN.

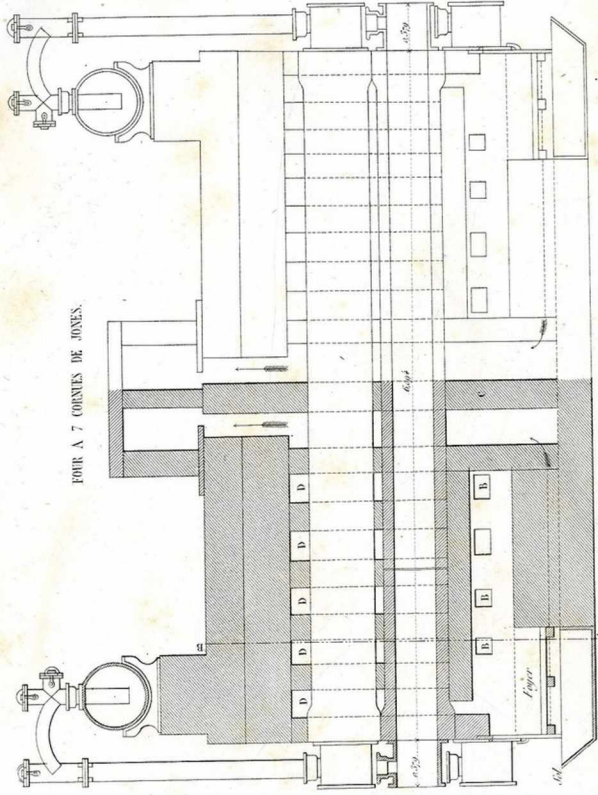


FOUR A 7 CORNUES DE JONES.



Coupe transversale suivant A B.

FOUR A 7 CORNUES DE JONES.



Coupe longitudinale.

Echelle de 0,50 m pour 1 mètre.

L'œuvre est déposée chez M. J. B. B.

FOUR A DIX CORNEUES DE METHVEN.

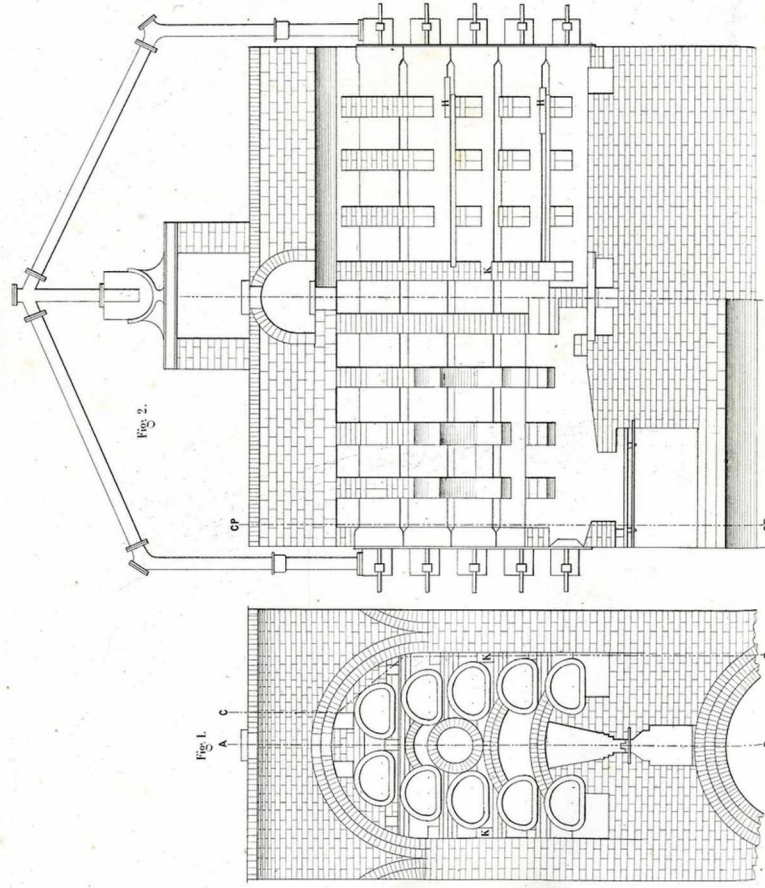
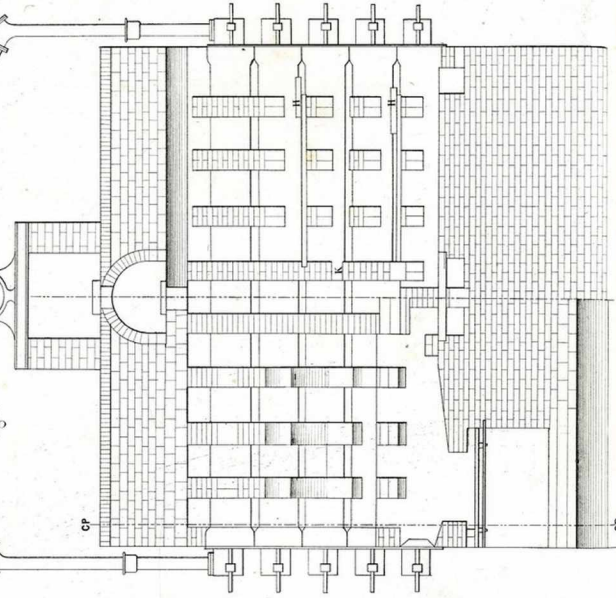


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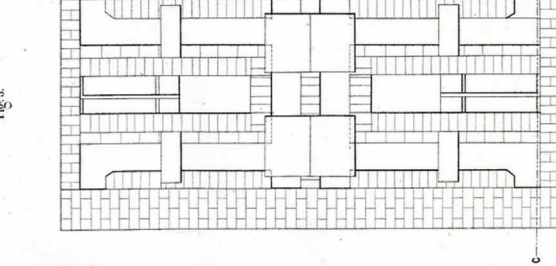


Elevation.

Coupe sur la ligne A B.

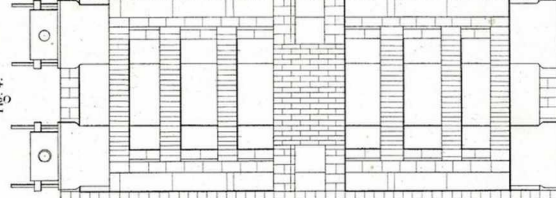
Coupe sur la ligne C D.

Fig. 3.



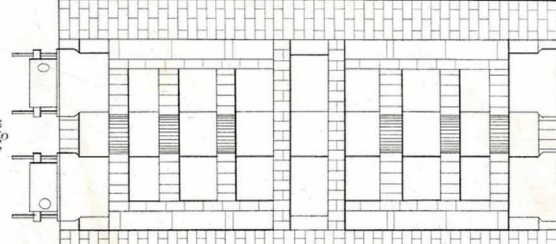
Plan suivant E F.

Fig. 4.



Plan suivant G H.

Fig. 5.



Plan suivant L M.

Echelle de 0,50 par pas de 1 mètre.

0 10 20 30 40 50 60 70 80 90 100

Laverie et Boudry Editeurs (Dessin de M. Walschberg N° 15.)

Paris chez M. de la Roche, Palais National, N° 15.

Paris chez M. de la Roche.

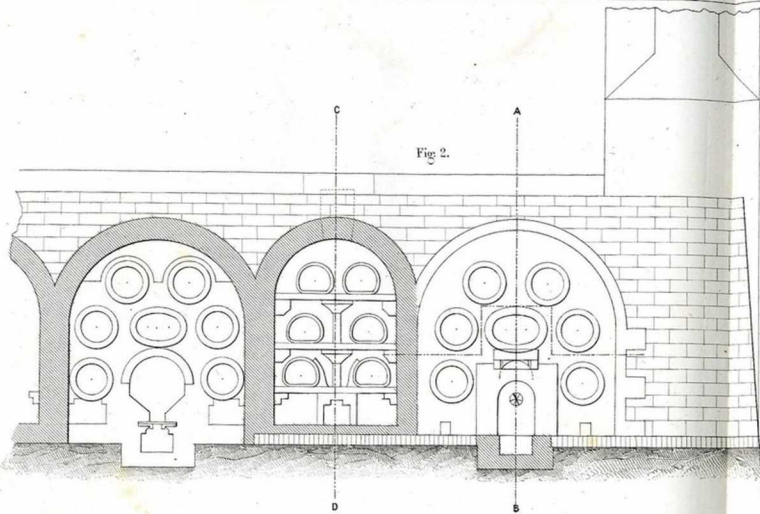


Fig. 2.

Coupe longitudinale suivant la ligne AB, Fig. 2.

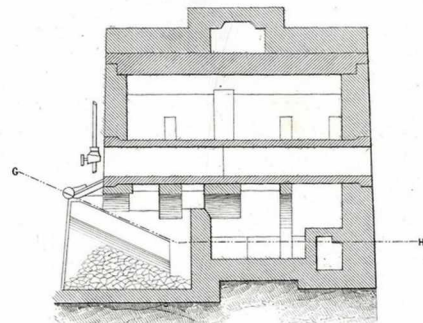


Fig. 4.

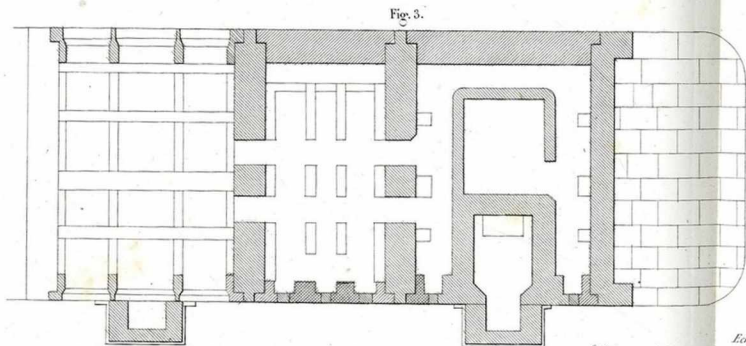


Fig. 3.

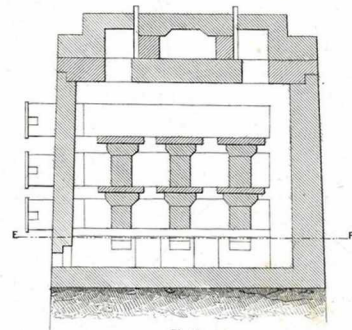


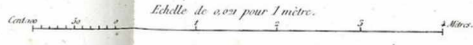
Fig. 3.

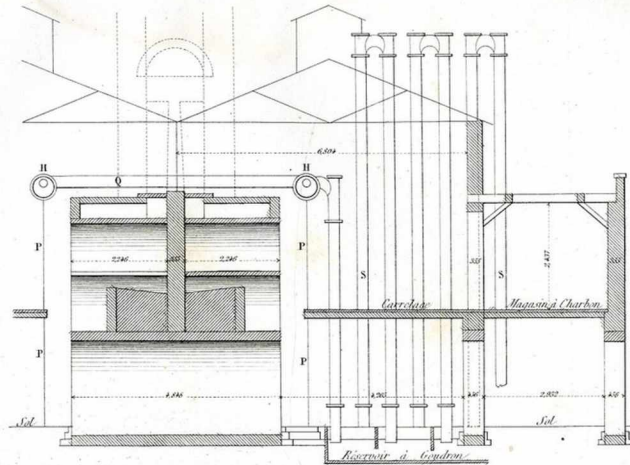
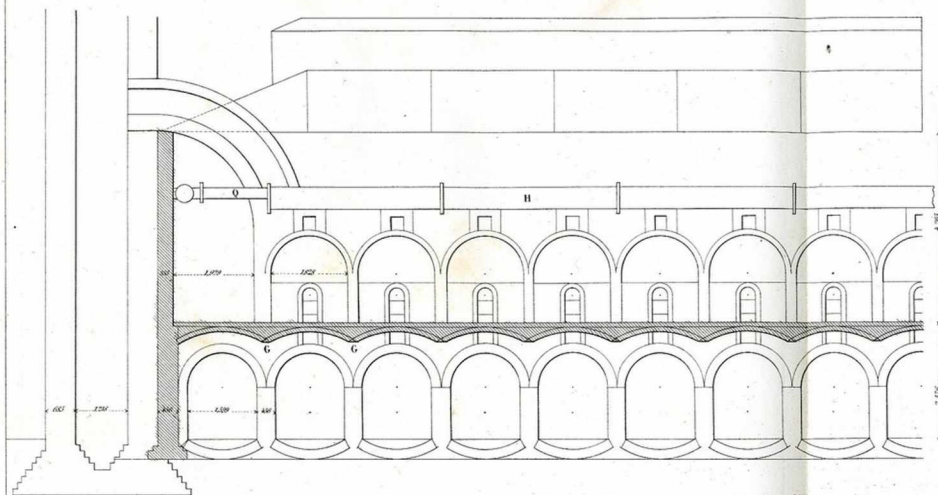
Coupe longitudinale suivant la ligne C D, Fig. 2.

Plan suivant IJ, Fig. 2.

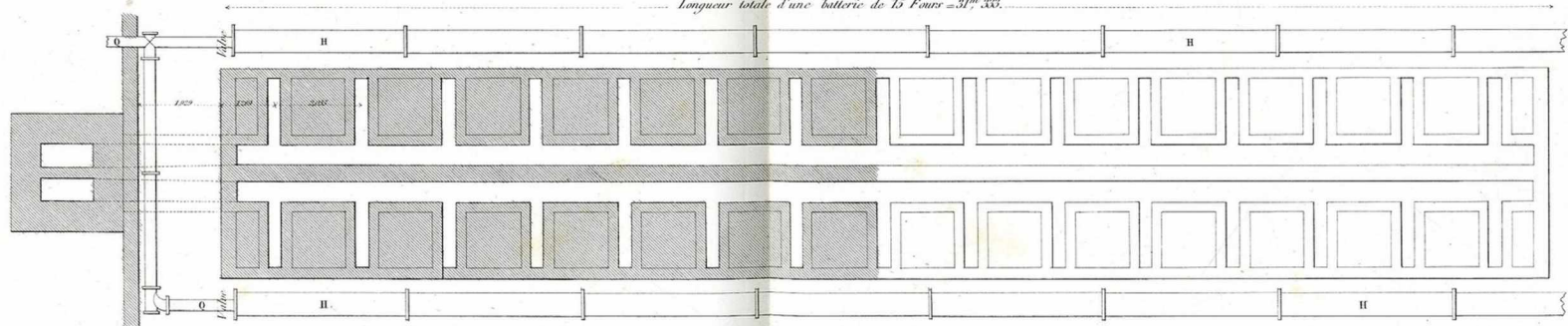
Plan suivant EF, Fig. 3.

Plan suivant GH, Fig. 4.

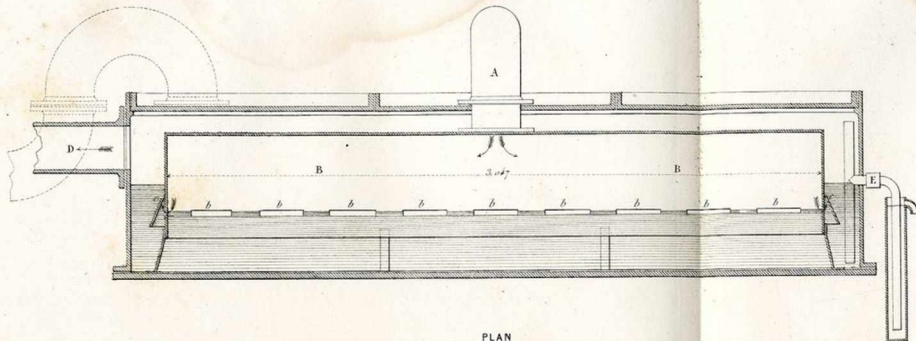




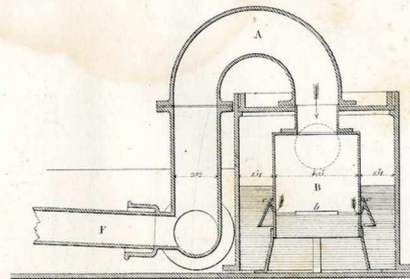
Longueur totale d'une batterie de 15 Fours = 31<sup>m</sup> 333.



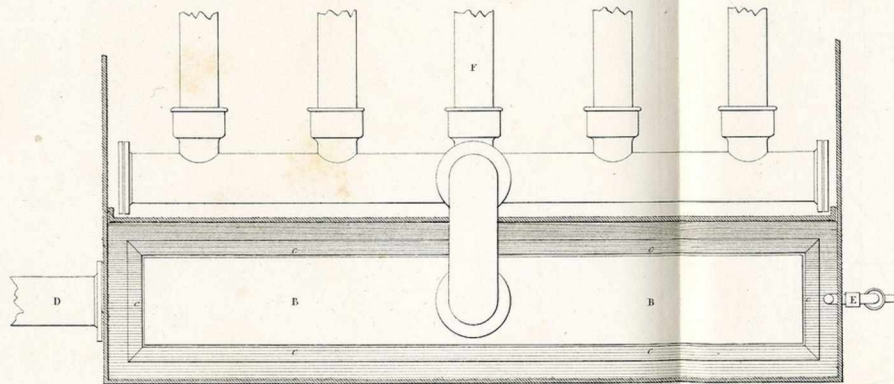
COUPE LONGITUDINALE.



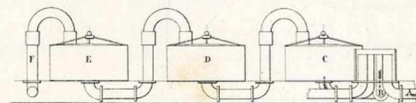
COUPE TRANSVERSALE.



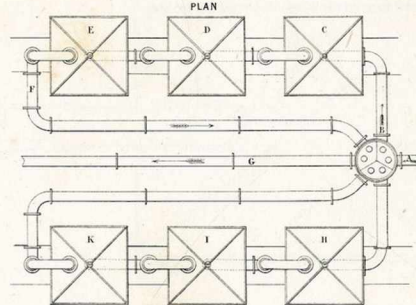
PLAN



ÉLEVATION

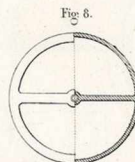
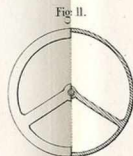
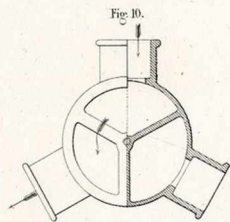
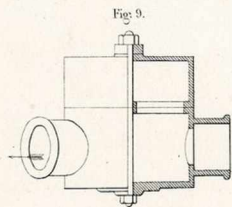
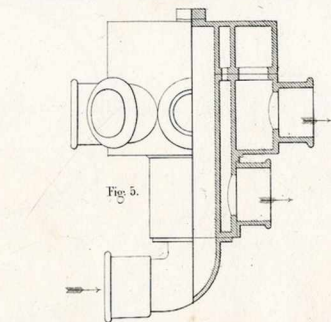
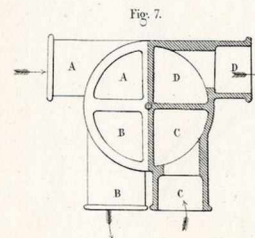
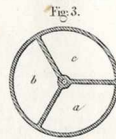
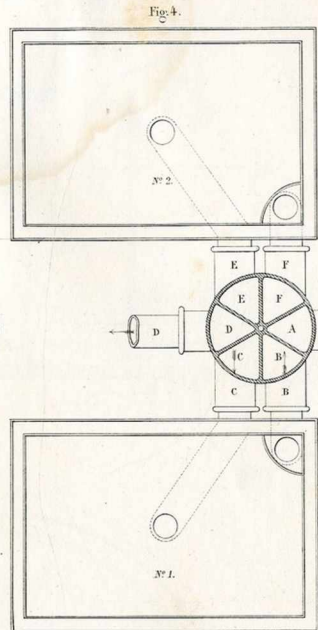
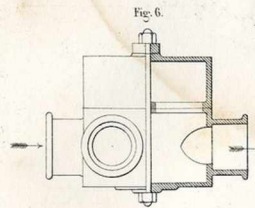
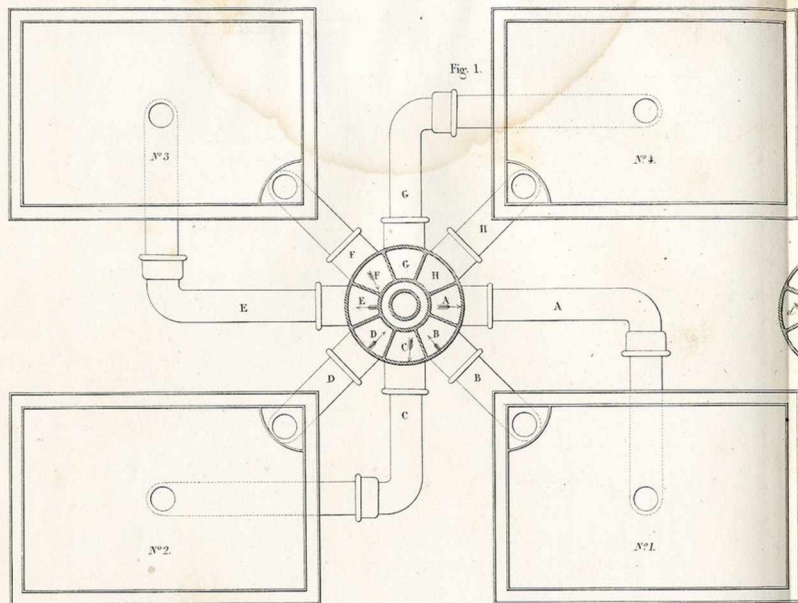


PLAN



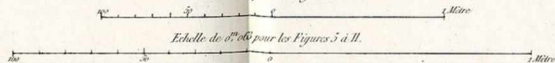
Echelle de 6<sup>m</sup> 00 pour 1 Mètre.

Echelle de 6<sup>m</sup> 00 pour 1 Mètre.



Echelle de 0<sup>m</sup>04 pour les Figures 1 à 4.

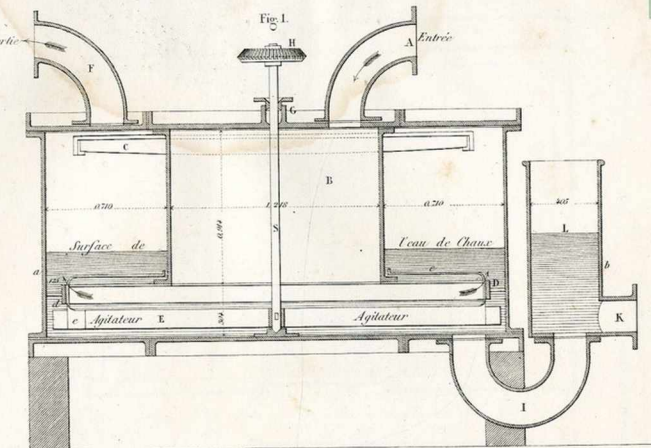
Echelle de 0<sup>m</sup>06 pour les Figures 5 à 11.



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Paris. Imp. Bouché.

Cleage: Gaz d'Eclairage.



Plan suivant a.b.

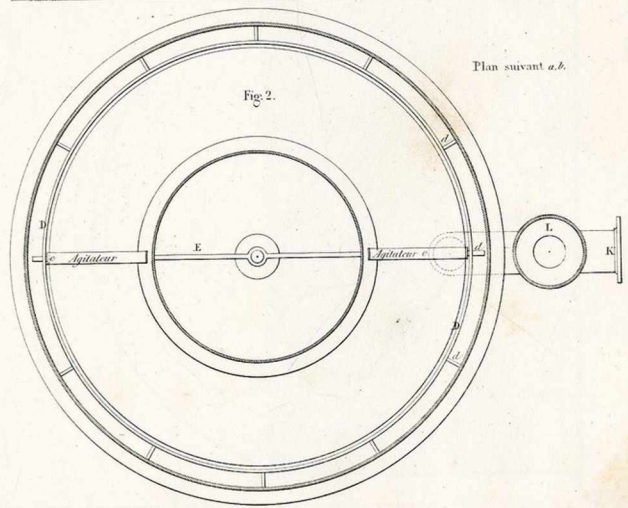




Fig. 1.

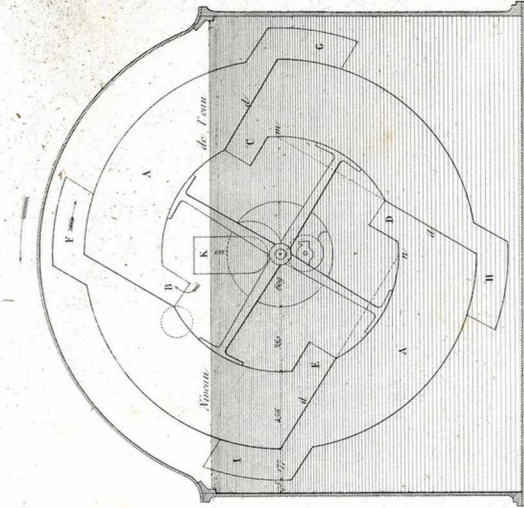
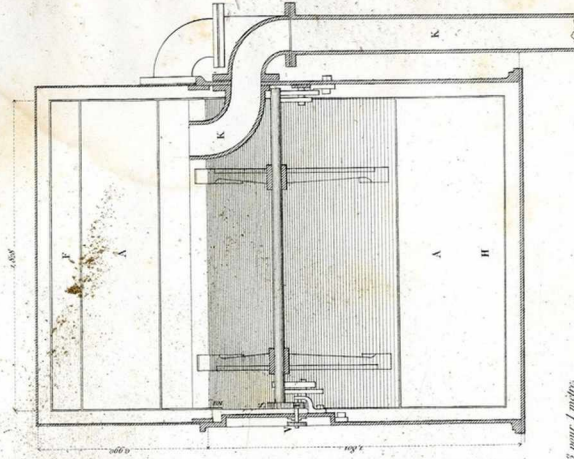


Fig. 2.

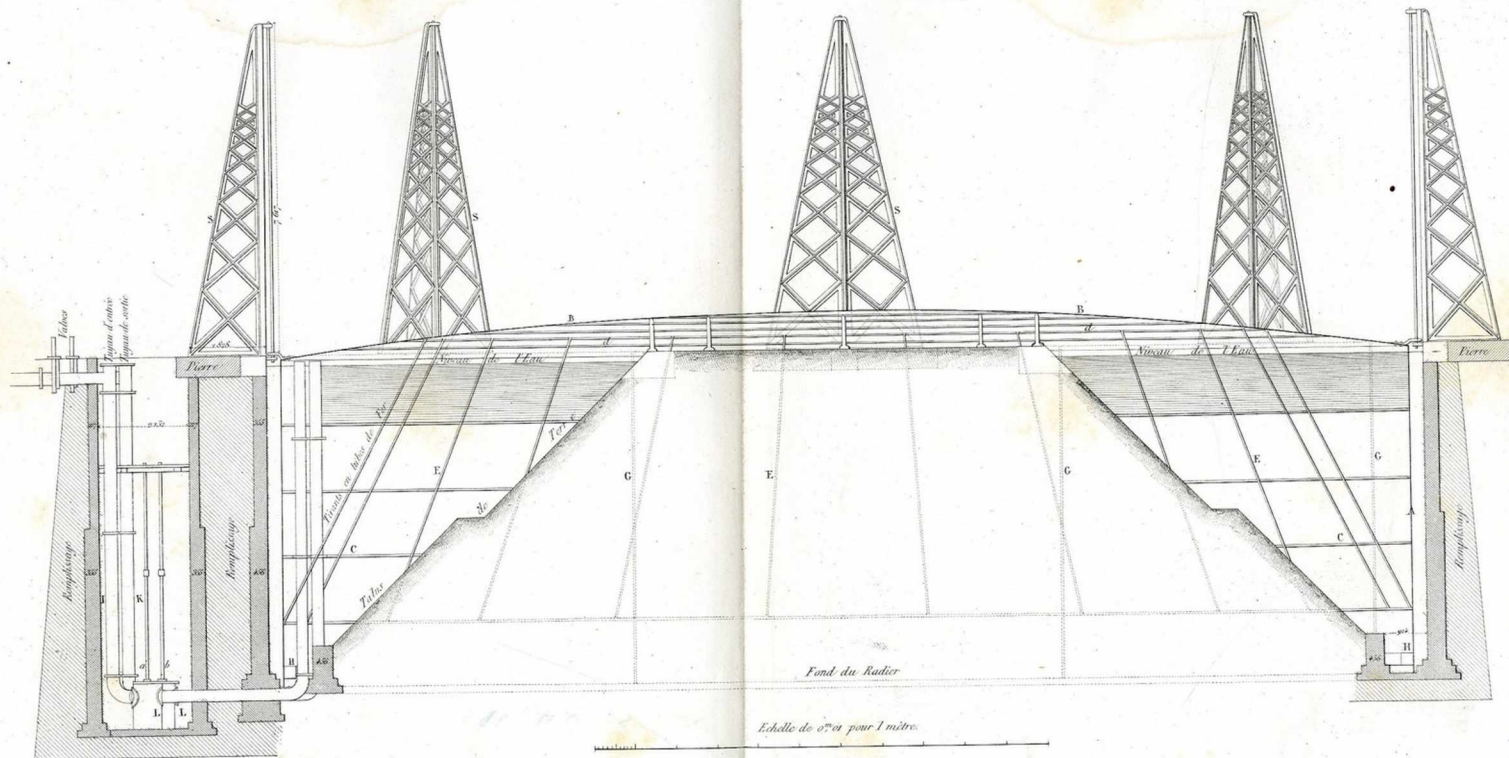


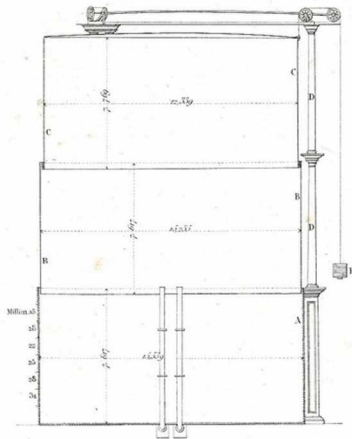
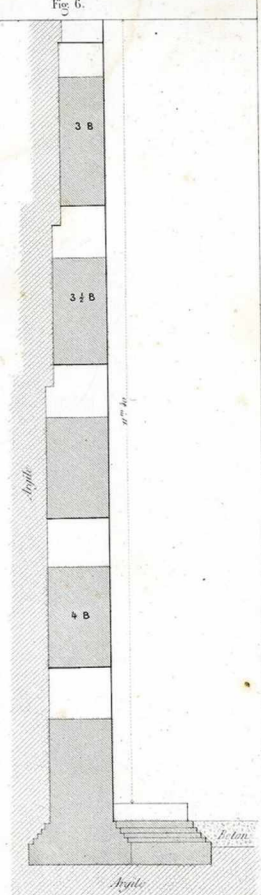
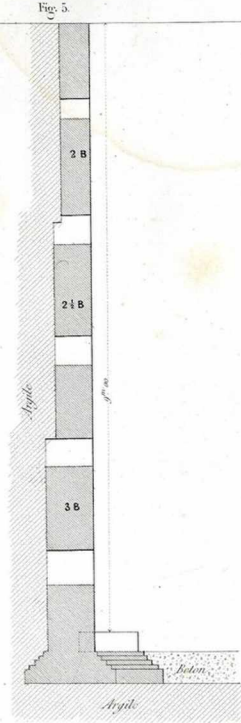
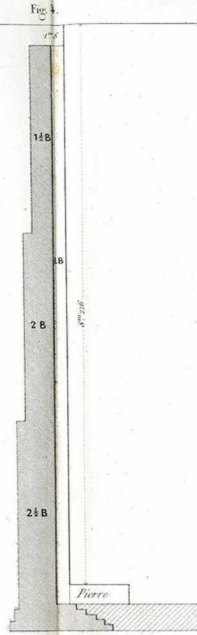
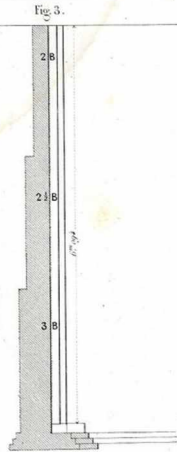
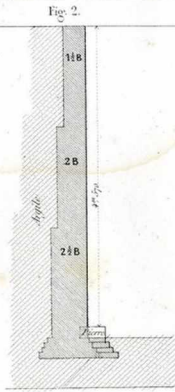
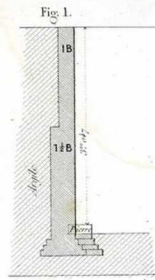
Echelle de 0,025 pour 1 mètre.

1 mètre.

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

Diamètre 267.1. Hauteur 75.50. Flèche de la calotte 17.08.



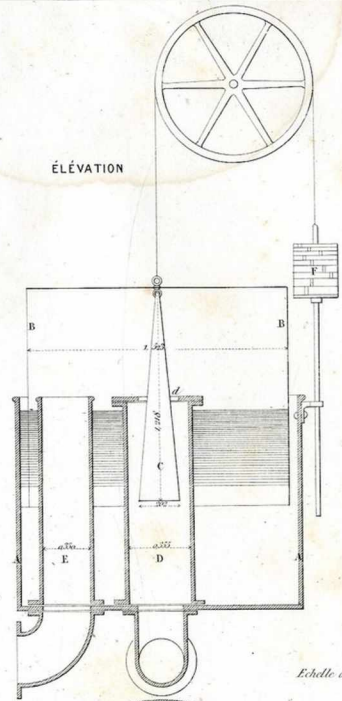


Echelle de 0,02 pour 1 mètre.

Echelle de 0,02 pour 1 mètre.

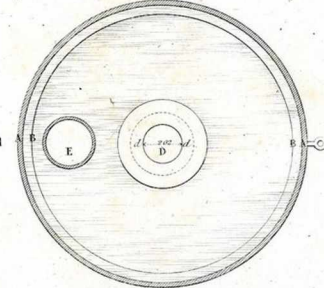
Cloze - Gaz d'Eclairage.

ÉLEVATION



Echelle de 0,043 pour 1 mètre.

PLAN



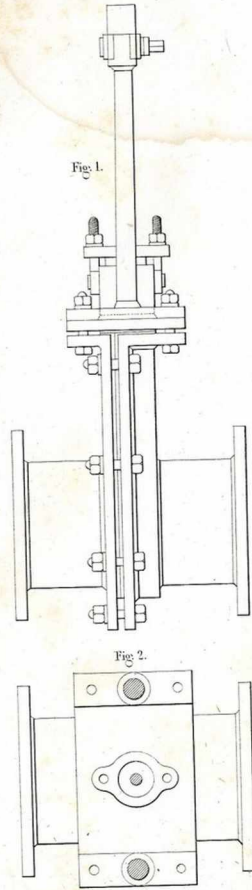


Fig. 1.

Fig. 2.

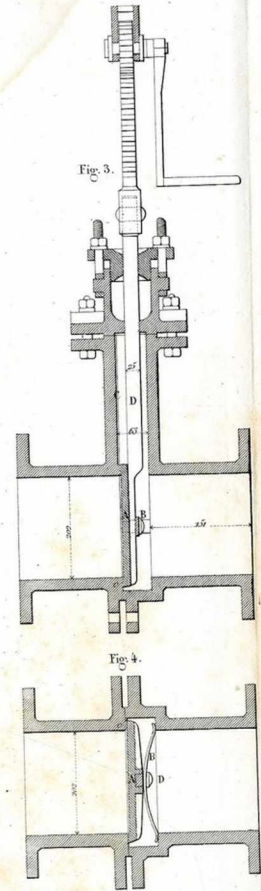


Fig. 3.

Fig. 4.

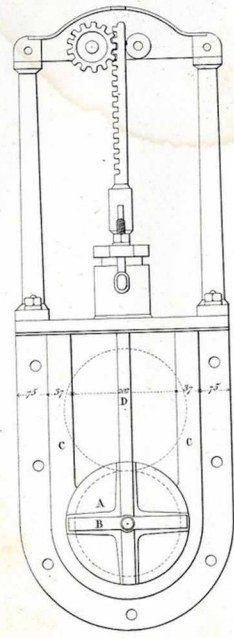


Fig. 5.

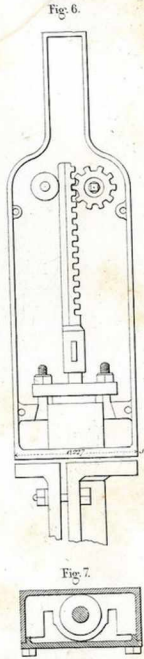
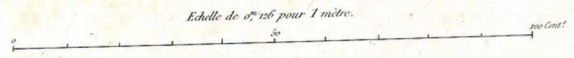
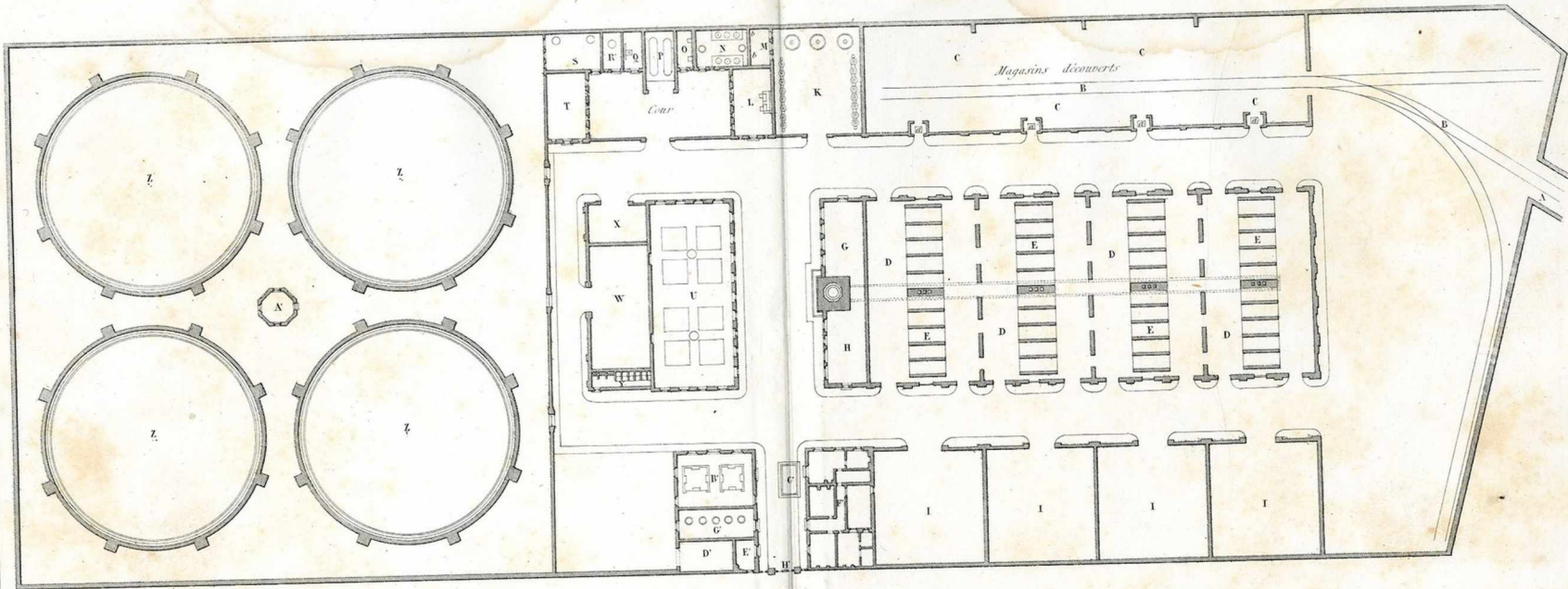


Fig. 6.

Fig. 7.



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



- A Tunnel conduisant au Chemin de Fer.
- BB Vies forés conduisant aux Magasins de Charbon.
- CC Magasins de Charbon (a a a a) Bascules.
- DDDD Mâchets de Distillation } La Cheminée courante est tracée
- EEEE Batteries de Foyes à Gensius } en lignes ponctuées.
- F Chiménée.
- G Lavoir pour les Ouvriers } Des réservoirs d'eau
- H Magasins } se trouvent au-dessus.
- IIII Magasins de Coke (découverts)

- K Cour découverte pour les condensés et colonnes à Coke; les ateliers à goudron et ceux ammoniacales sont au dessous.
- L Atelier de Forge.
- M Bâtiment des Pompes; les réservoirs à goudron et ceux ammoniacales sont au dessus.
- X Bâtiment de Vichousur.
- O Bâtiment de la machine conduisant l'échouveau.
- P Bâtiment des Chaudières.
- Q Bâtiment des Machines à Vapeur pour différents usages.

- R Puits.
- S Moutin à Eau.
- T Atelier de Mécanique.
- U Atelier de Perforation. Le magasin pour les Matières épurantes est sur le sol, sous les purificateurs.
- W Cour pour les matières d'épuration grasses.
- X Cour à goudron.
- Y Grains et Entrées.
- Z Z Z Z Gazomètres.

- X Bâtiment contenant les Vidous 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 0.07 pour 1 mètre.  
 0 10 20 30 40 Mètres.

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