

Titre général : Dictionnaire technologique

Titre du volume : Atlas - 4. Arts chimiques

Mots-clés : Dictionnaire\*19e siècle ; Artisanat ; Métiers ; Economie ; Industrie ; Commerce

Description : [2] p. : 69 pl.

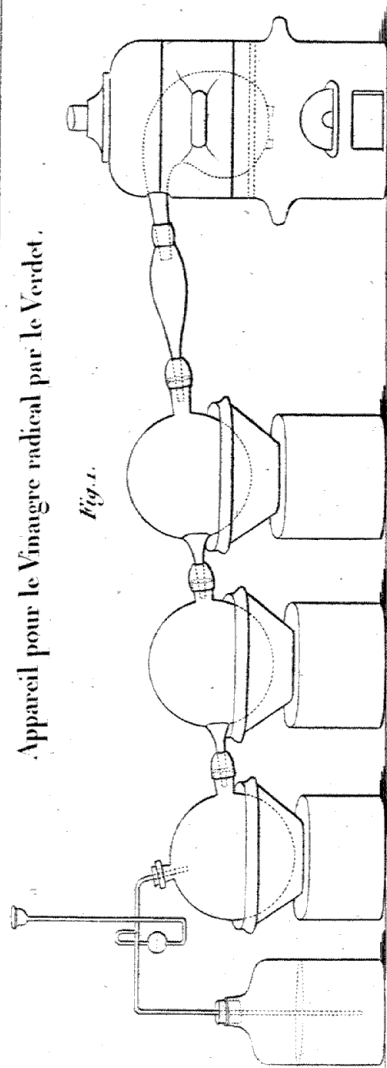
Adresse : S.l.n.d

Cote de l'exemplaire : CNAM 4°Ky3.4 (Bibliothèque du CNAM)

URL permanente : <http://cnum.cnam.fr/redir?4KY3.4>

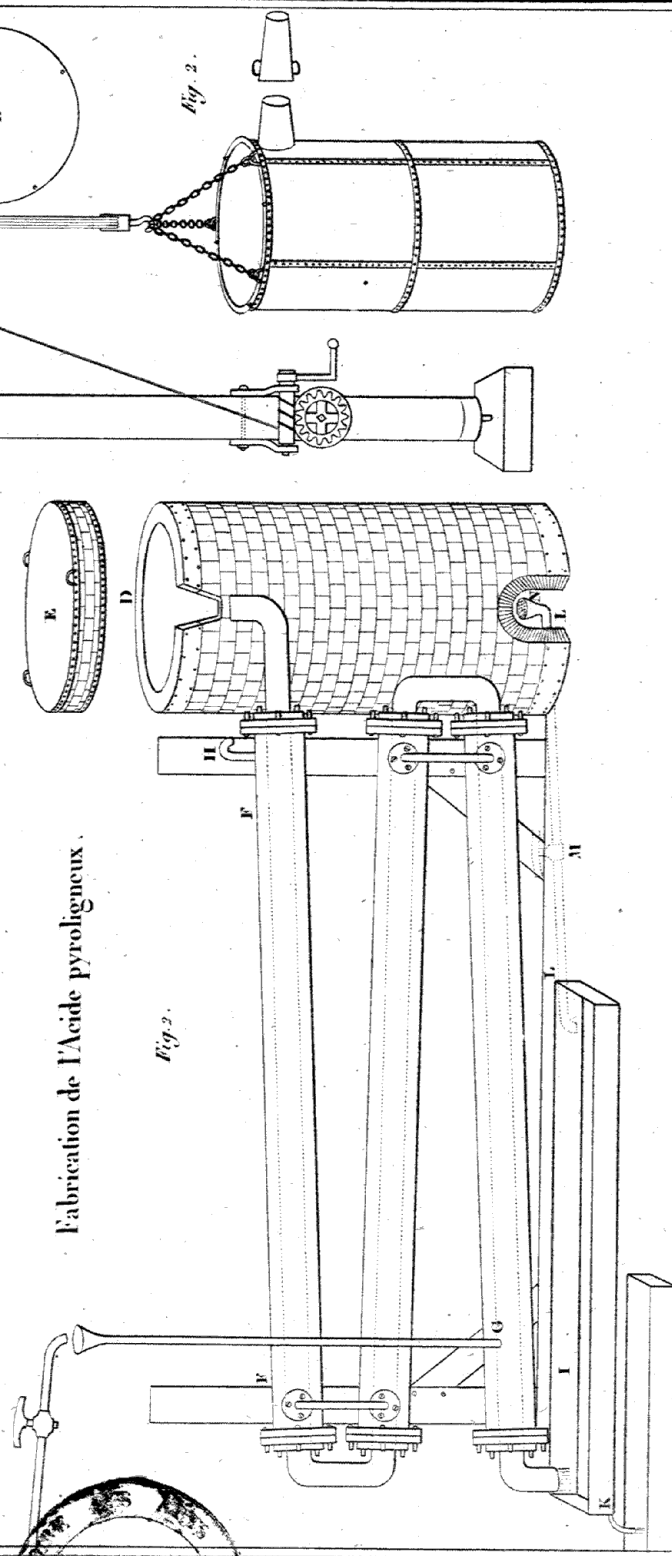
Appareil pour le Vinaigre radical par le Verdet.

Fig. 1.



Fabrication de l'Acide pyrologeneux.

Fig. 2.



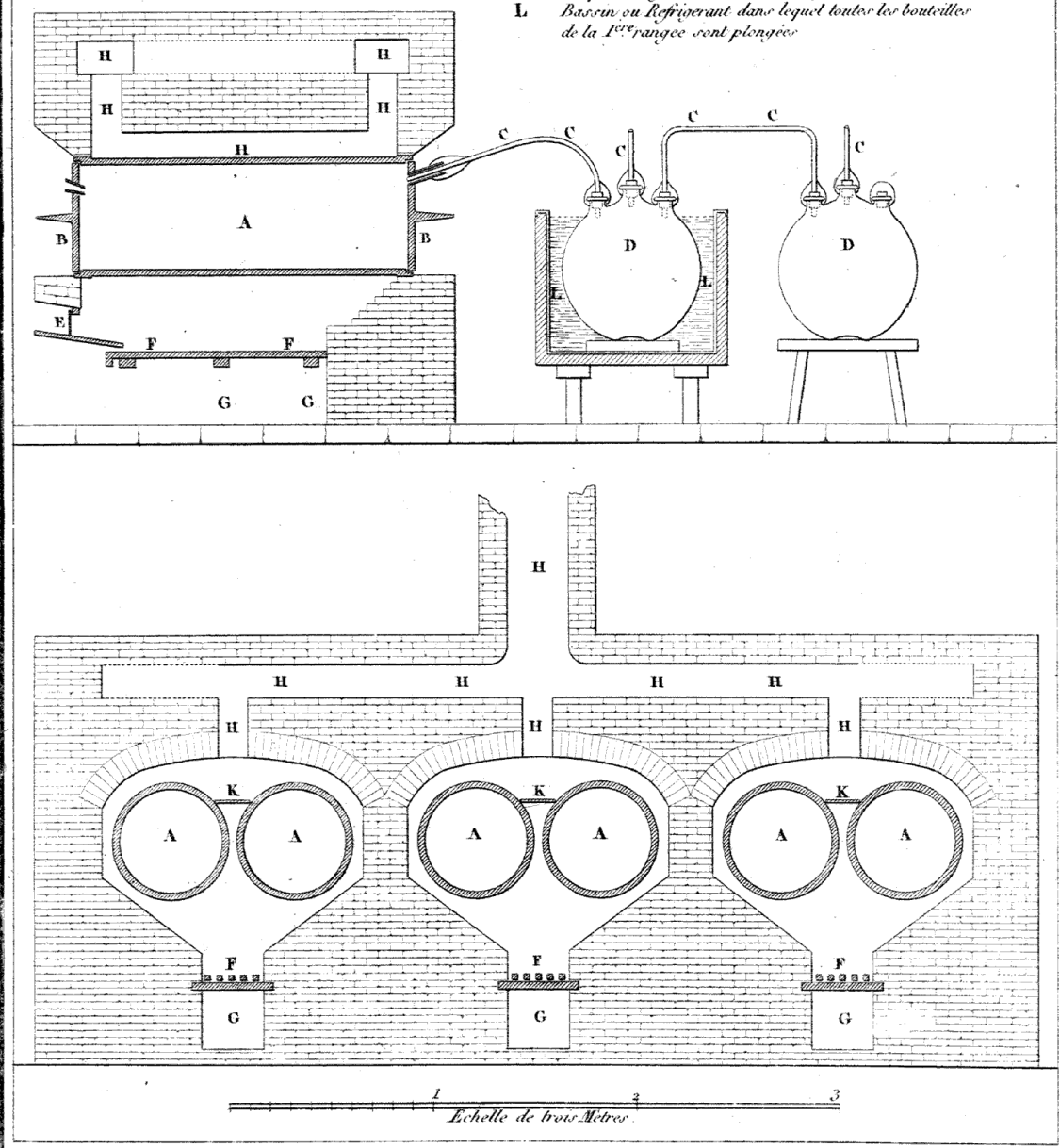
Inventé par l'auteur de l'Épave.

Gravé par Olivier.



## Appareil pour la fabrication de l'Acide Nitrique et de l'Acide Hydrochlorique.

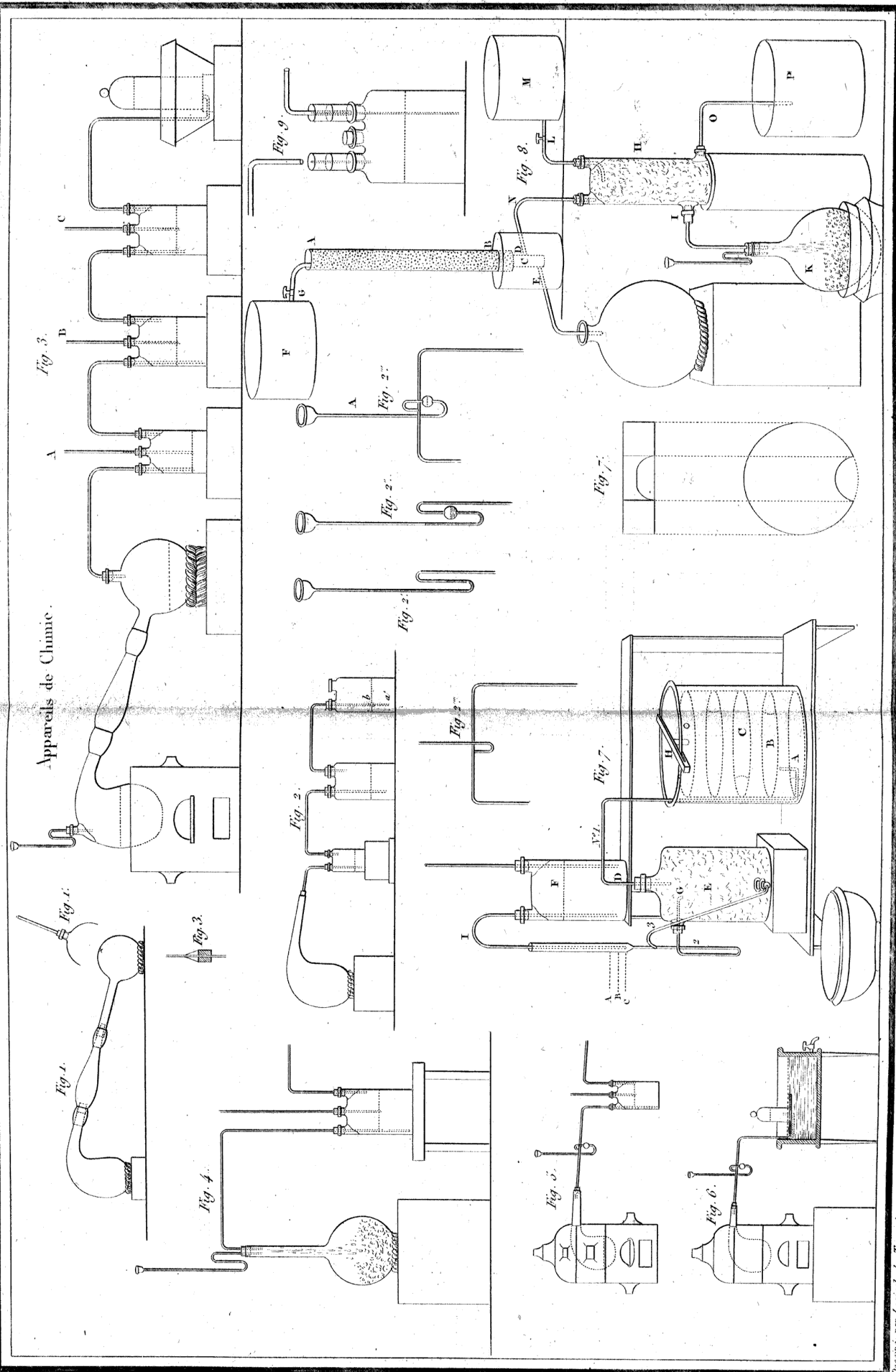
- A Cylindres en fonte  
 B Obturateurs ou Tampons en fonte  
 C Tubes de communication  
 D Bouteilles en grès à trois tubulures  
 E Porte du fourneau  
 F Grille du fourneau  
 G Condrier  
 H Cheminée et conduits de la fumée  
 K Plagues de fonte de toute la longueur des Cylindres  
 L Bassin ou Refroidissant dans lequel toutes les bouteilles de la 1<sup>re</sup> rangée sont plongées



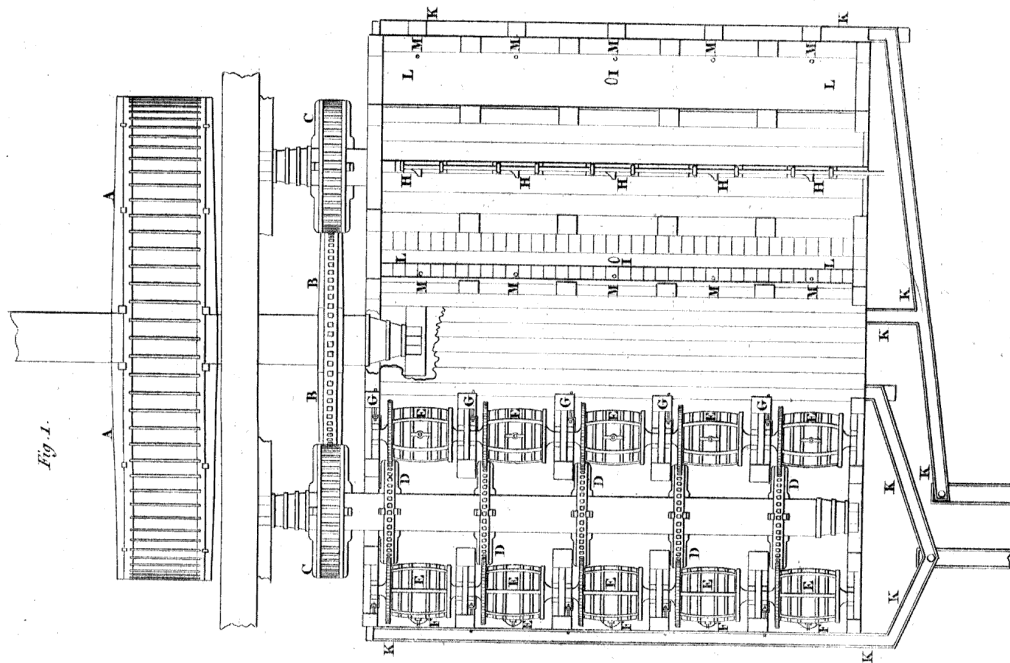
Dessiné par Louis-J. de Trognon

Gravé par V. d'Anvers.





## Argent - Amalgamation



*Fig. 1.*

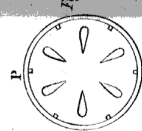


Fig. 3.

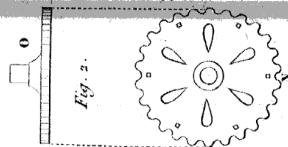


Fig. 2

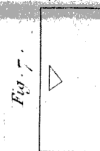


Fig. 5.

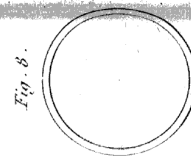


Fig. 8.



Fig. 6

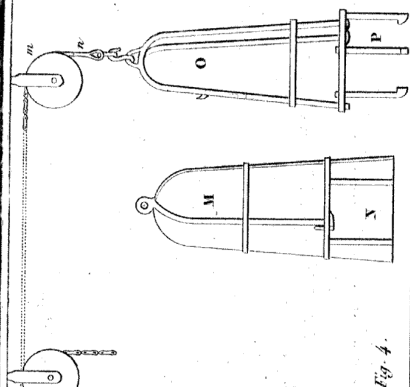


Fig. 4.

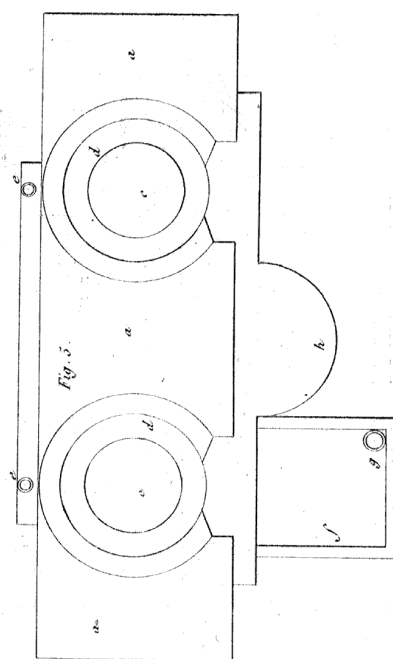
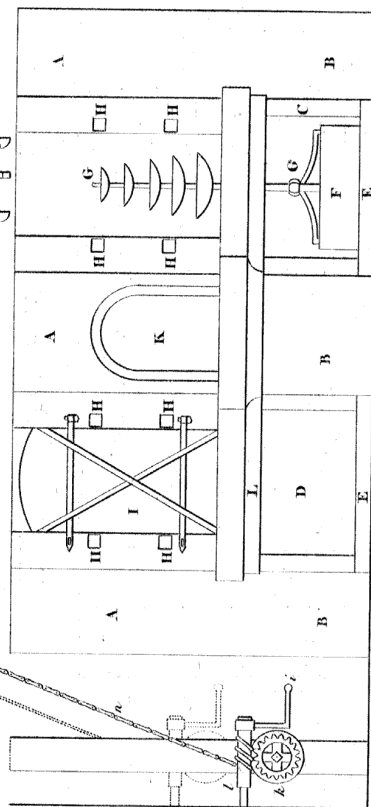


Fig. 5.

*Échelle des Fig. 1. 2 et 3.*

### 3. *Wire*

*Eschelle des Fig. 4. 5. 6. 7 et 8.*

**Metre**

*diracé par Olivier.*

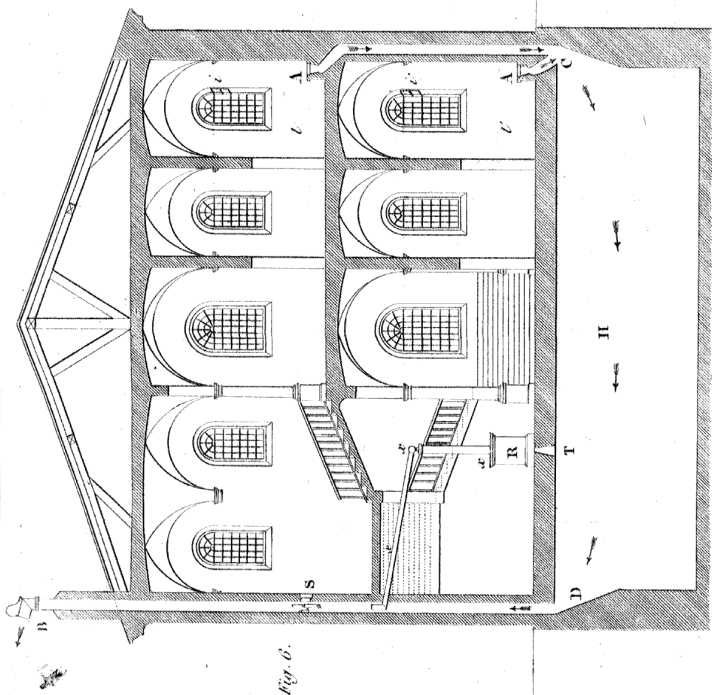


Fig. 6.

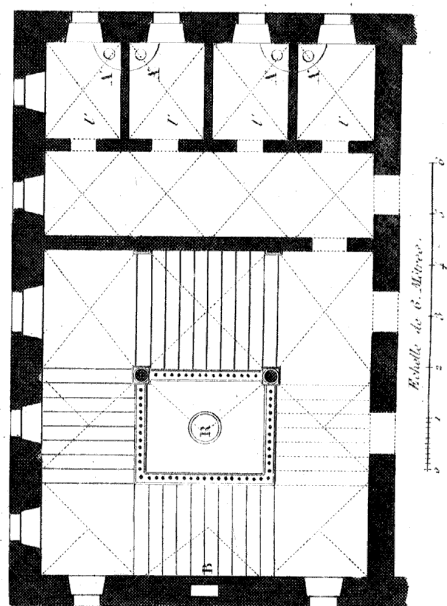


Fig. 6.

Echelle de 6. Mètres.

Travaux et Gravés par Olivier.

Assainissement.

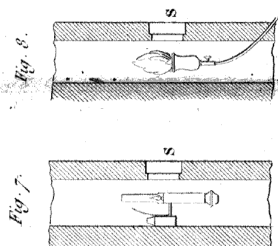


Fig. 7.

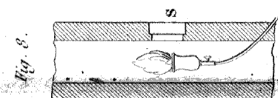


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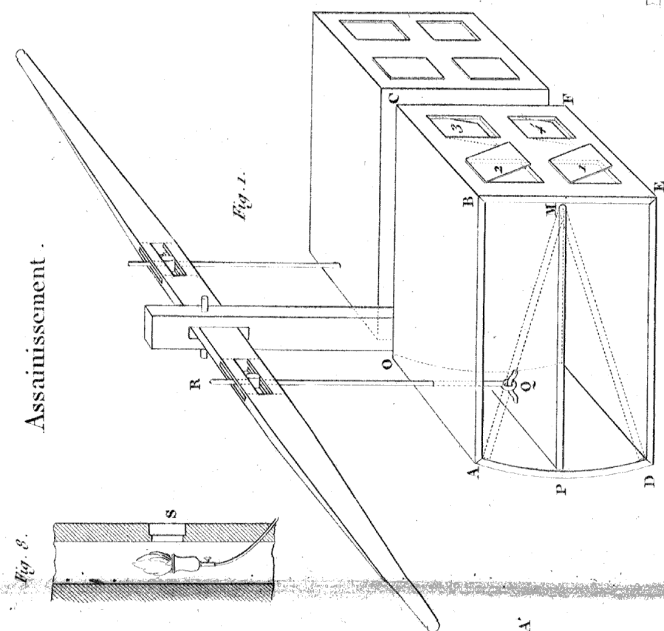


Fig. 4.

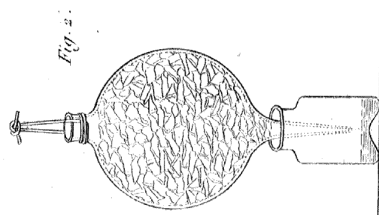


Fig. 2.

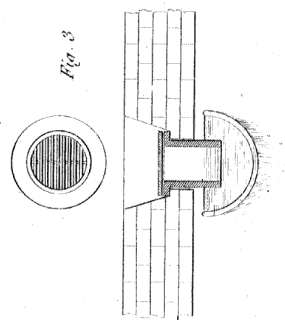


Fig. 3.

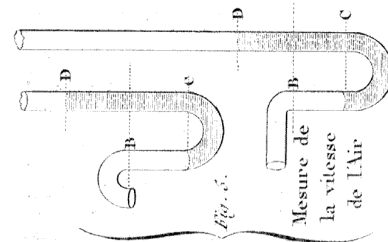


Fig. 4.

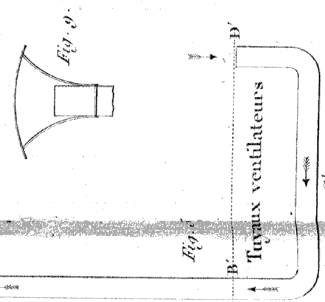
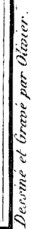


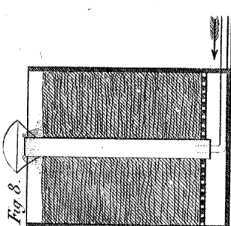
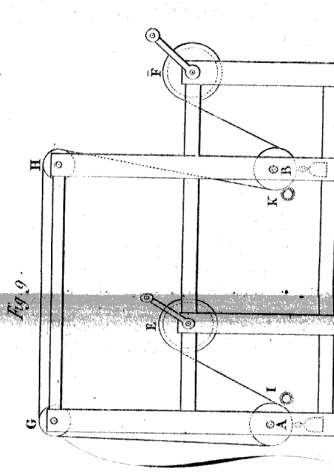
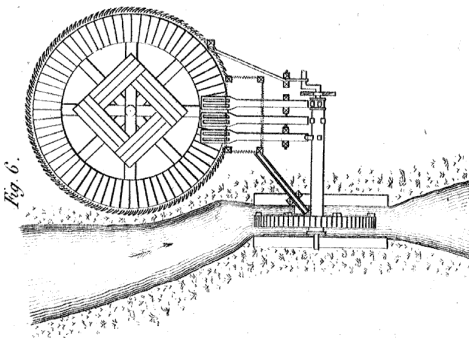
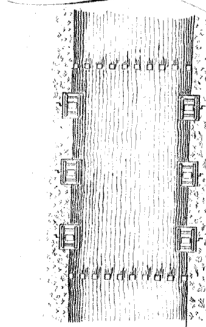
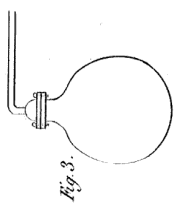
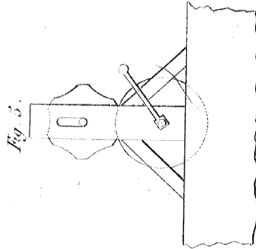
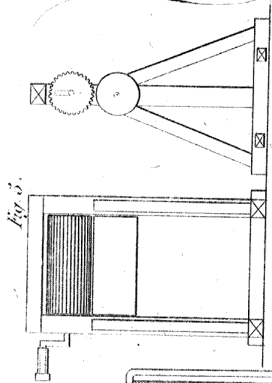
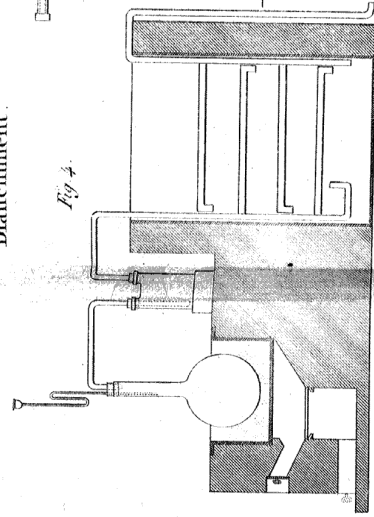
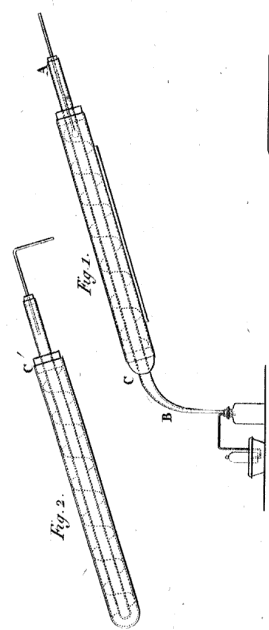
Fig. 9.

Mesure de la vitesse de l'Air.

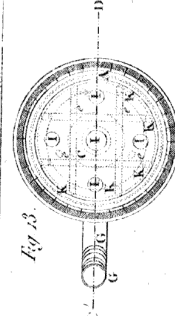
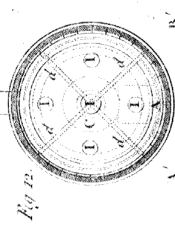
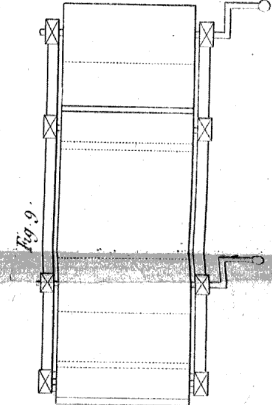
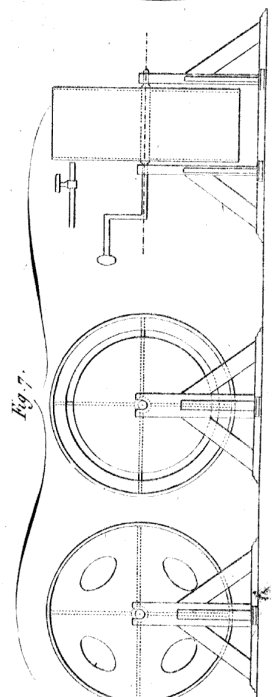
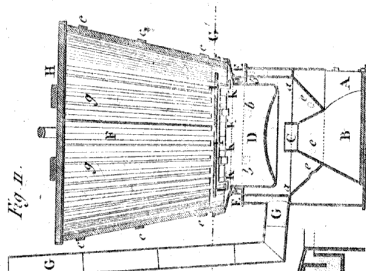
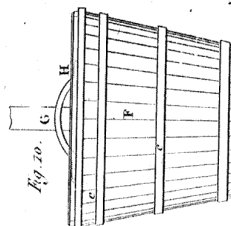
Tuyaux ventilateurs.

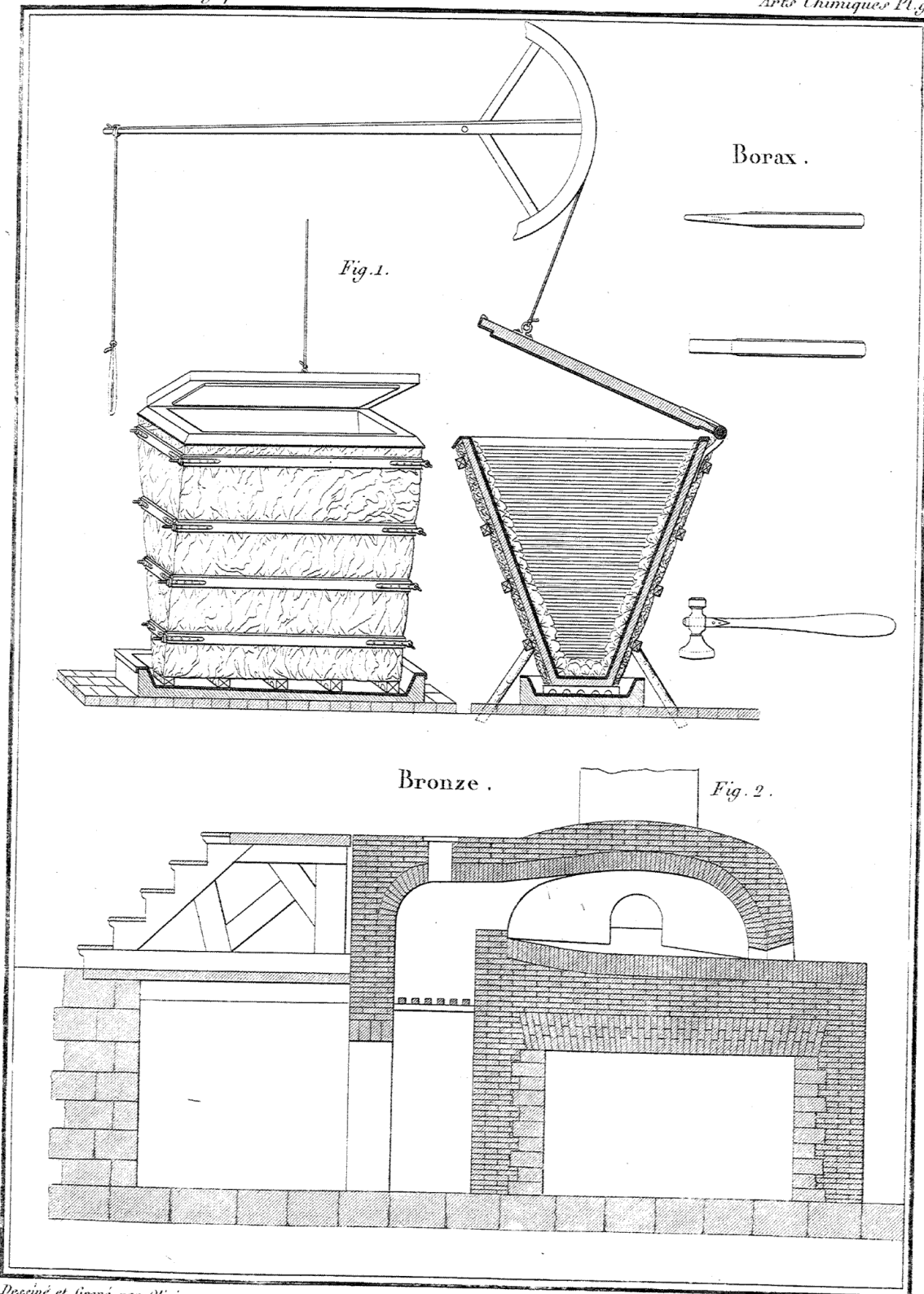


Blanchiment.



Blanchissage.





Dessiné et Gravé par Olivier .



Caléfacteur et Cuisine .

Fig. 3.

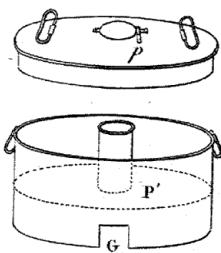
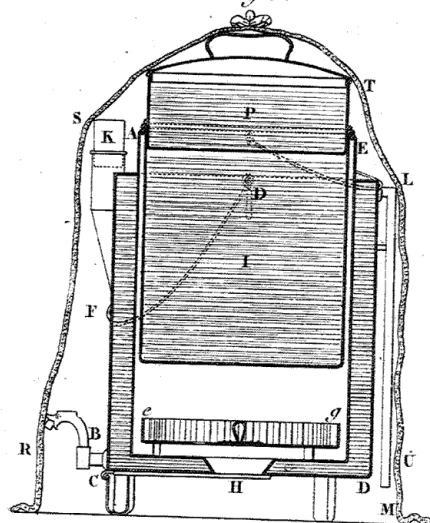


Fig. 1.

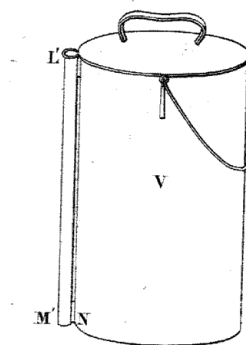
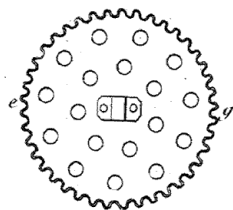
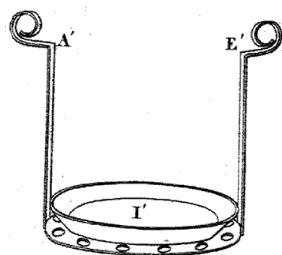
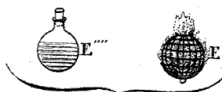
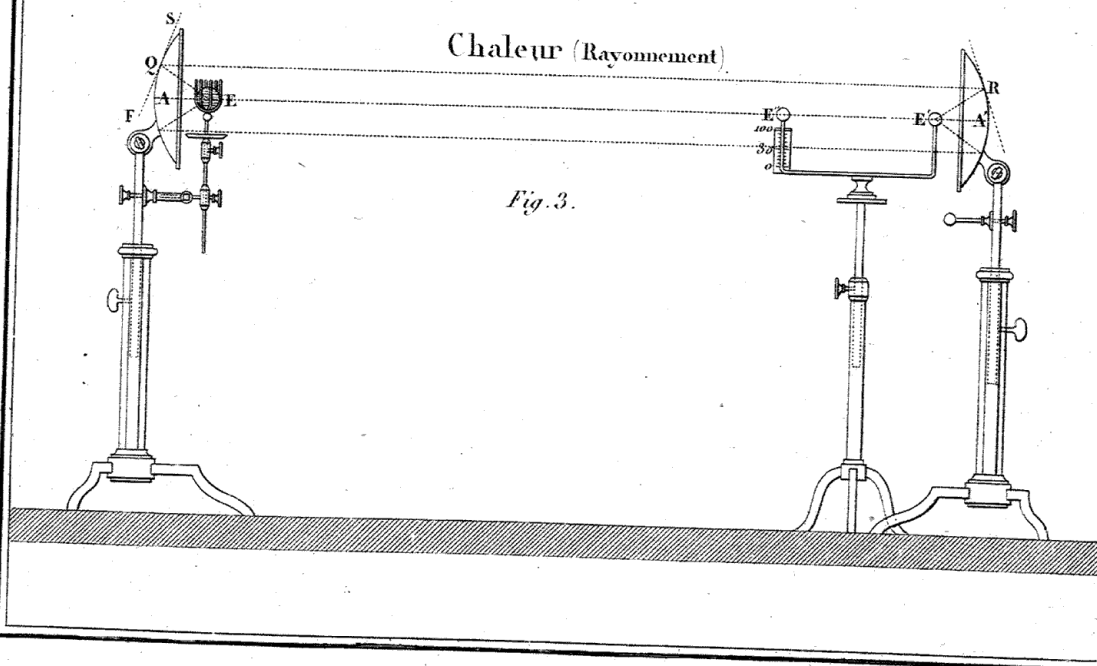


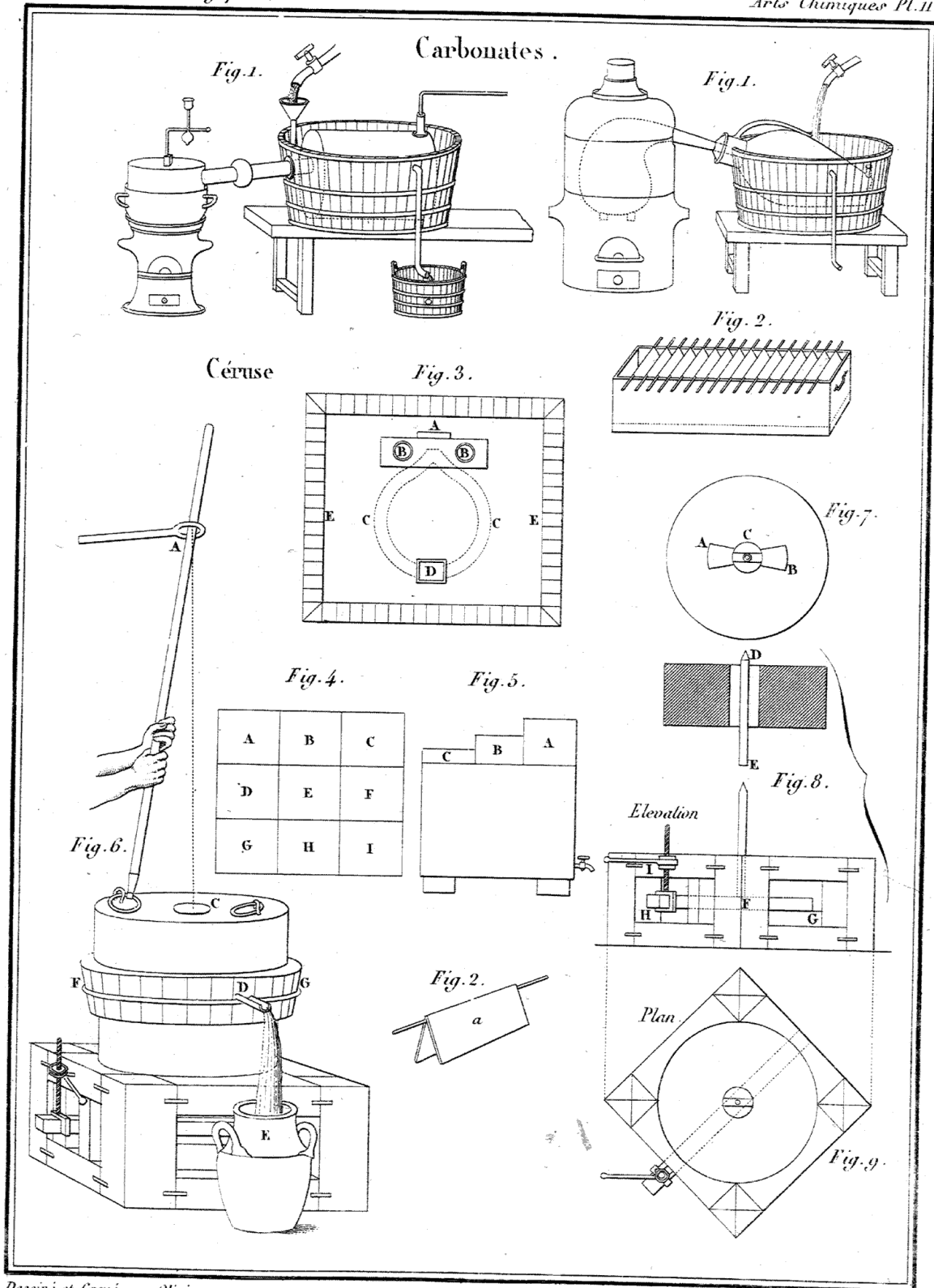
Fig. 2.



Chaleur (Rayonnement)

Fig. 3.





Dessiné et Gravé par Olivier .

## Chaleu, Cheminées et Poëles.

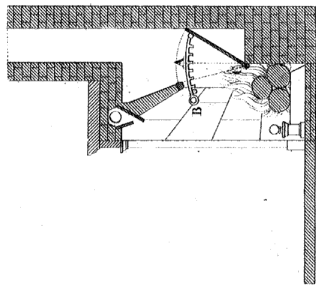


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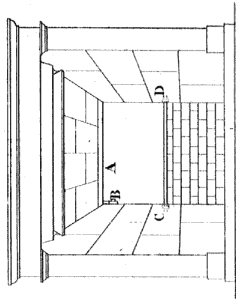


Fig. 2.

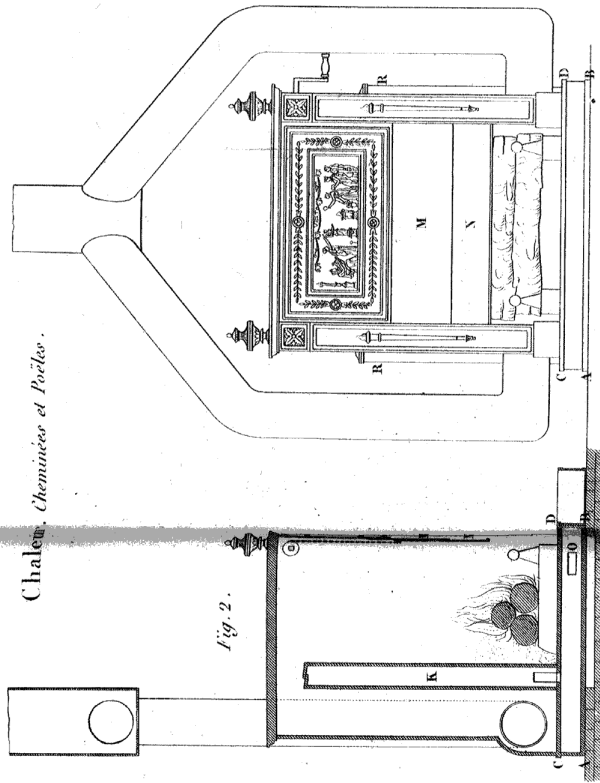


Fig. 2.

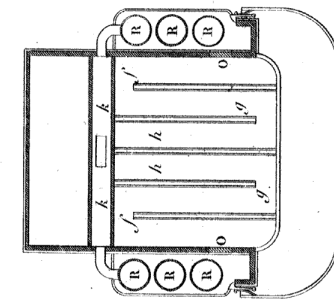


Fig. 1

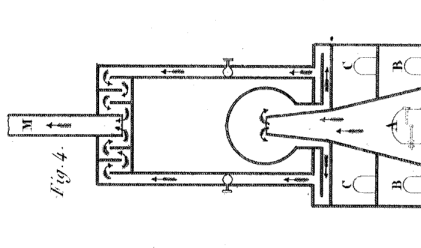
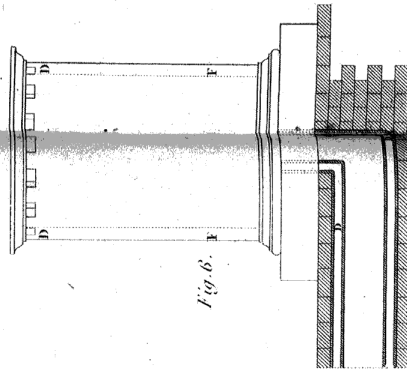
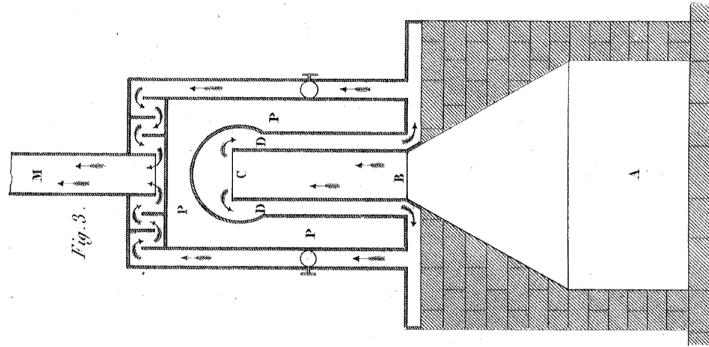


Fig. 4



*Fig. 3.*

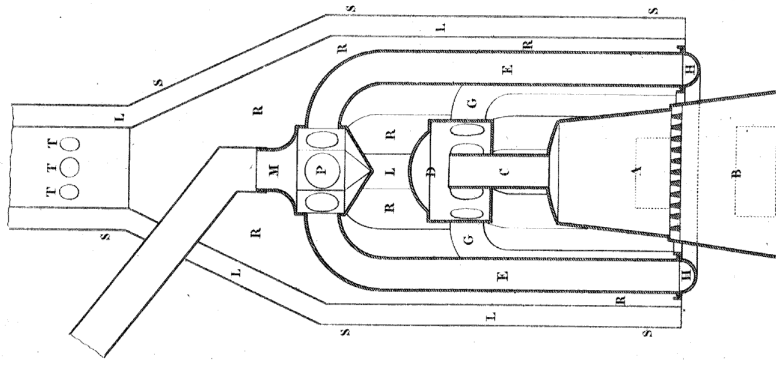
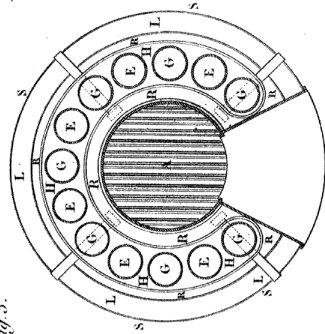


Fig. 5.



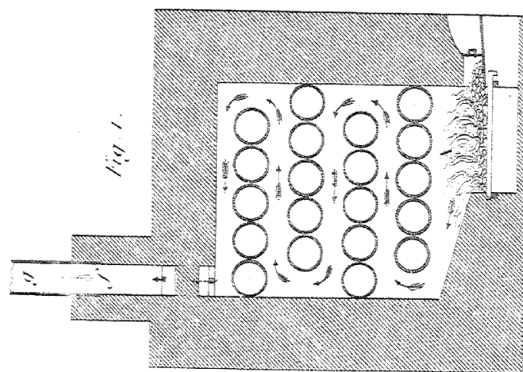


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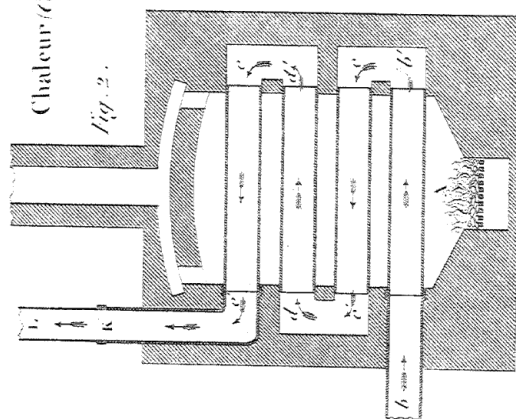


Fig. 2.

Chaleur (Calorifère.)

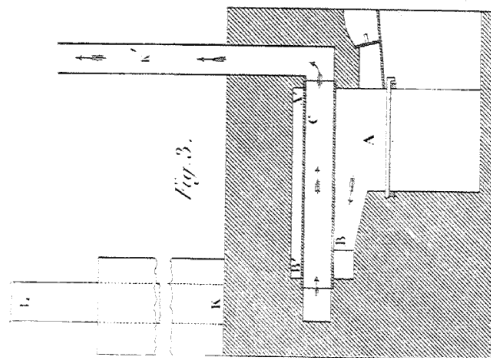


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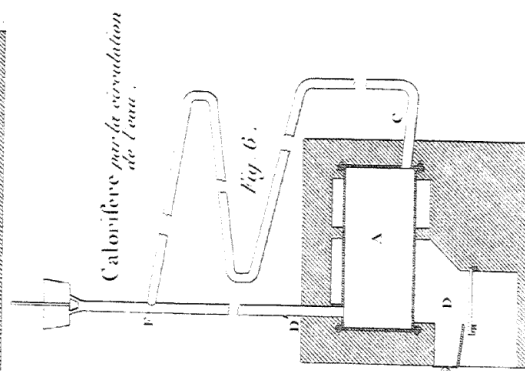


Fig. 6.

Calorifère par la circulation de l'eau.

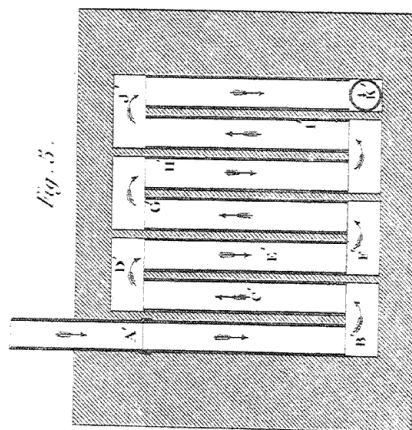


Fig. 3.

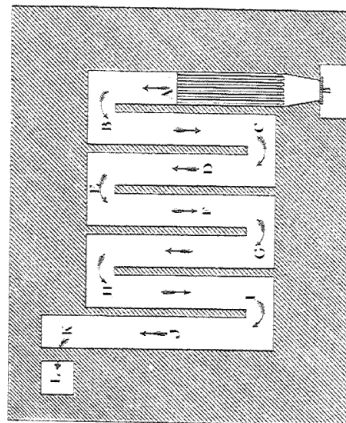
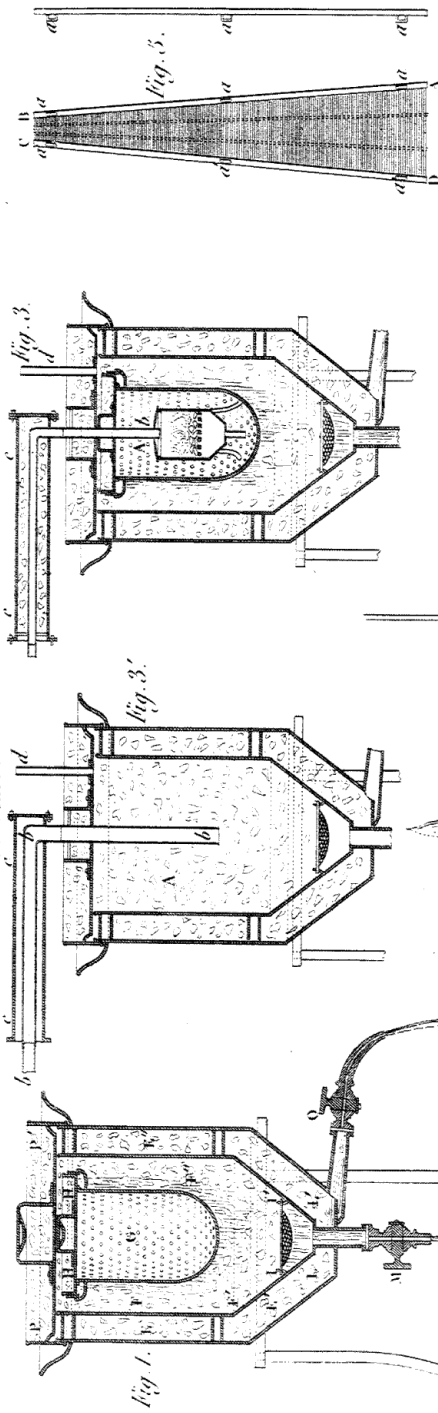
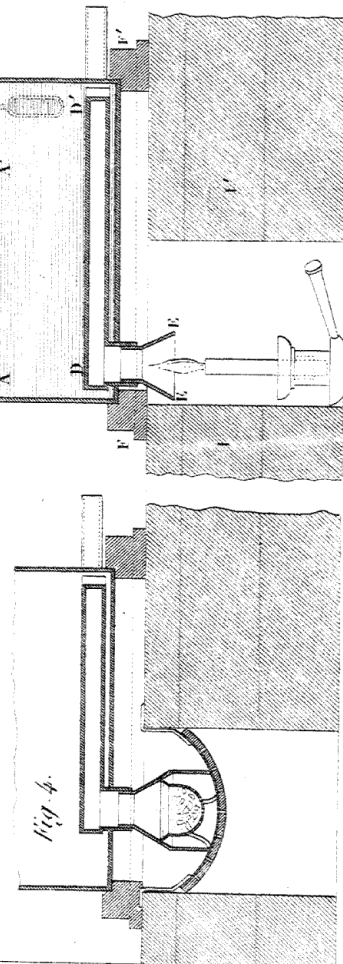


Fig. 4.

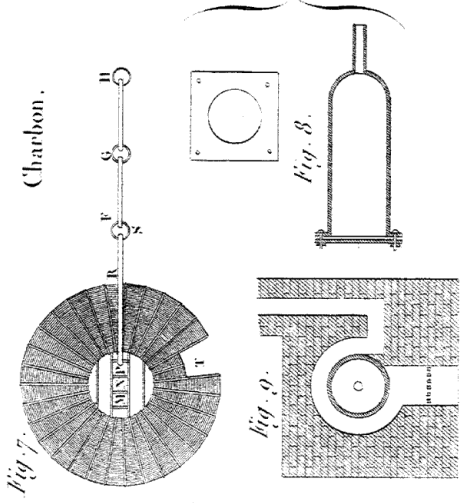
Chaleur et Combustible. Calorimètre de Glace.



Calorimètre d'eau.



Charbon.



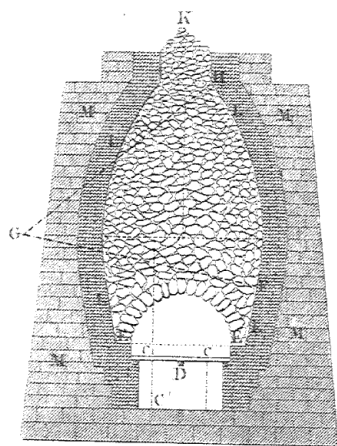


Fig. 1.

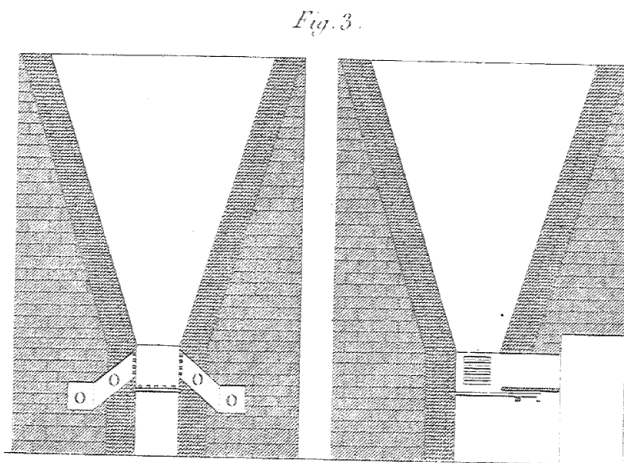
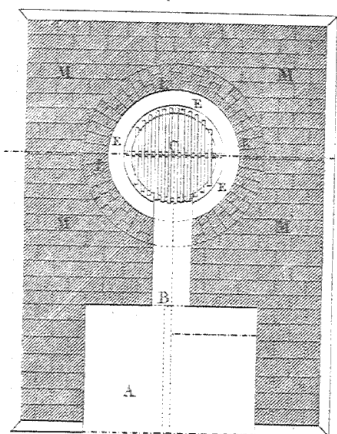


Fig. 3.

Chaux  
Four à

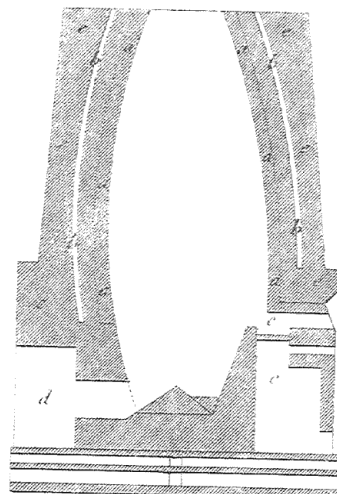
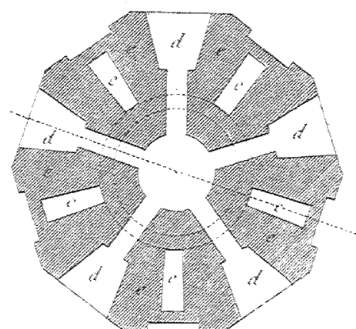
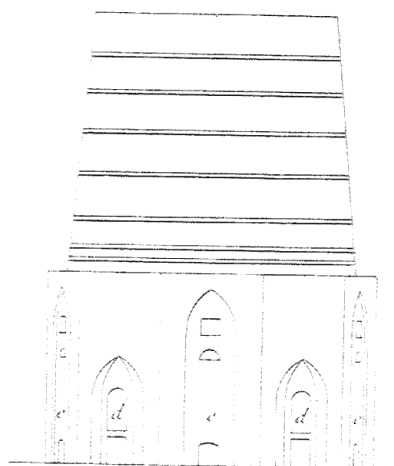
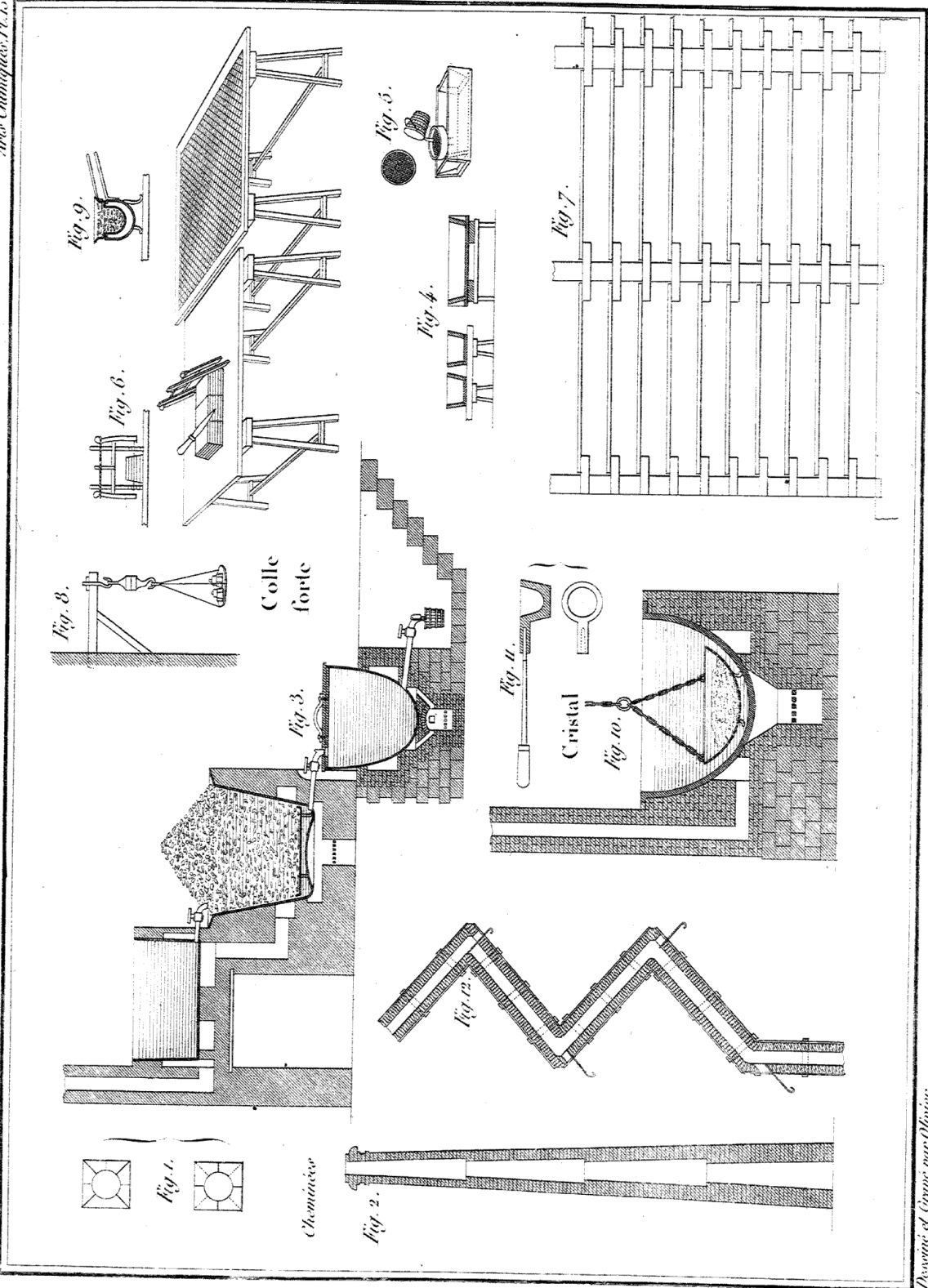


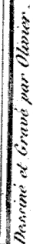
Fig. 2.



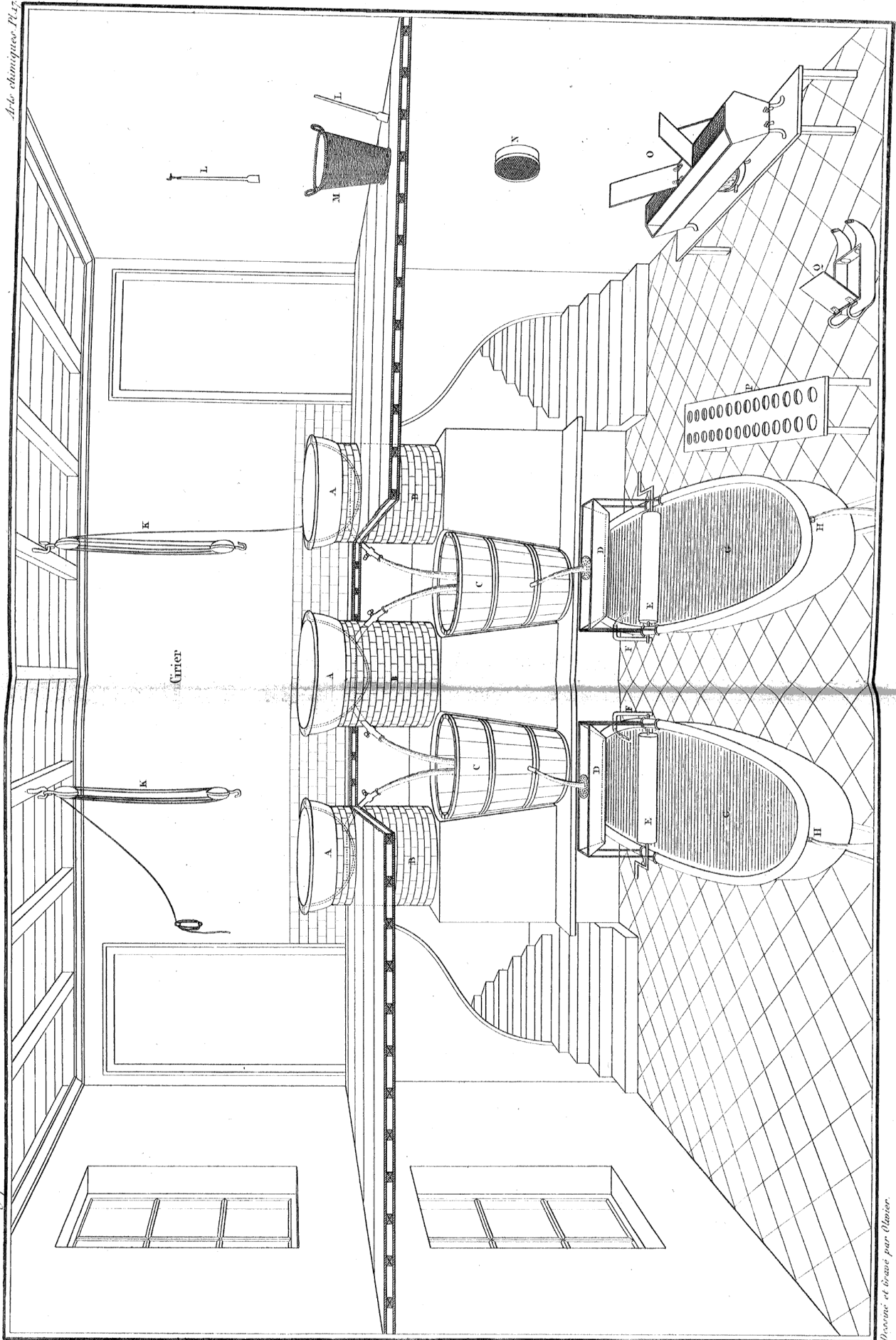
1 2 3 4 5 Metres.

Dessiné et Gravé par Olivier.









Couppellation

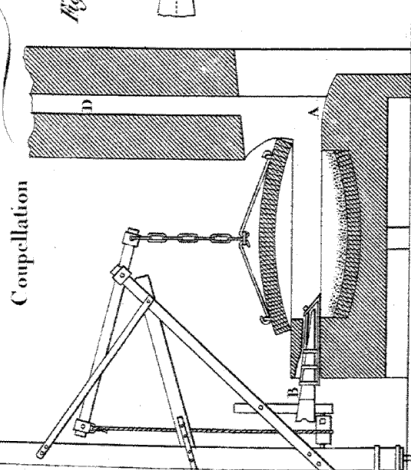


Fig. 1.

Coupelles

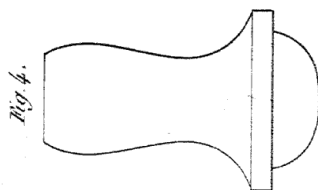


Fig. 4.

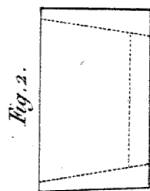


Fig. 2.



Fig. 3.

Fig. 6.

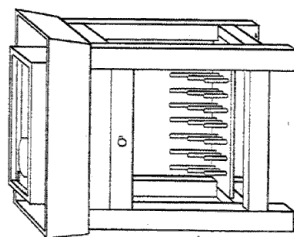


Fig. 8.

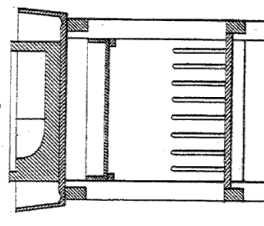
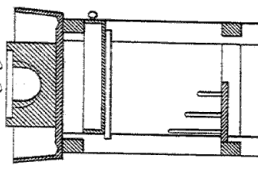


Fig. 9.



Cuves

Fig. 4.

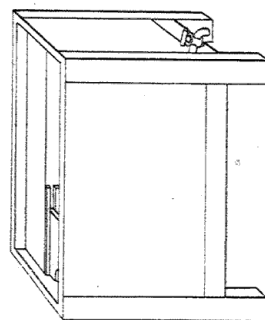


Fig. 7.

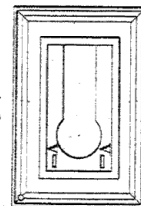


Fig. 3.

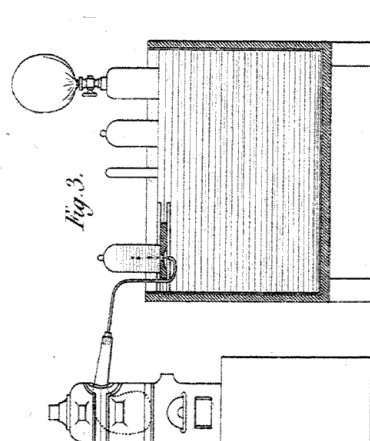
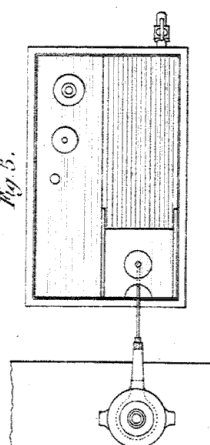


Fig. 5.



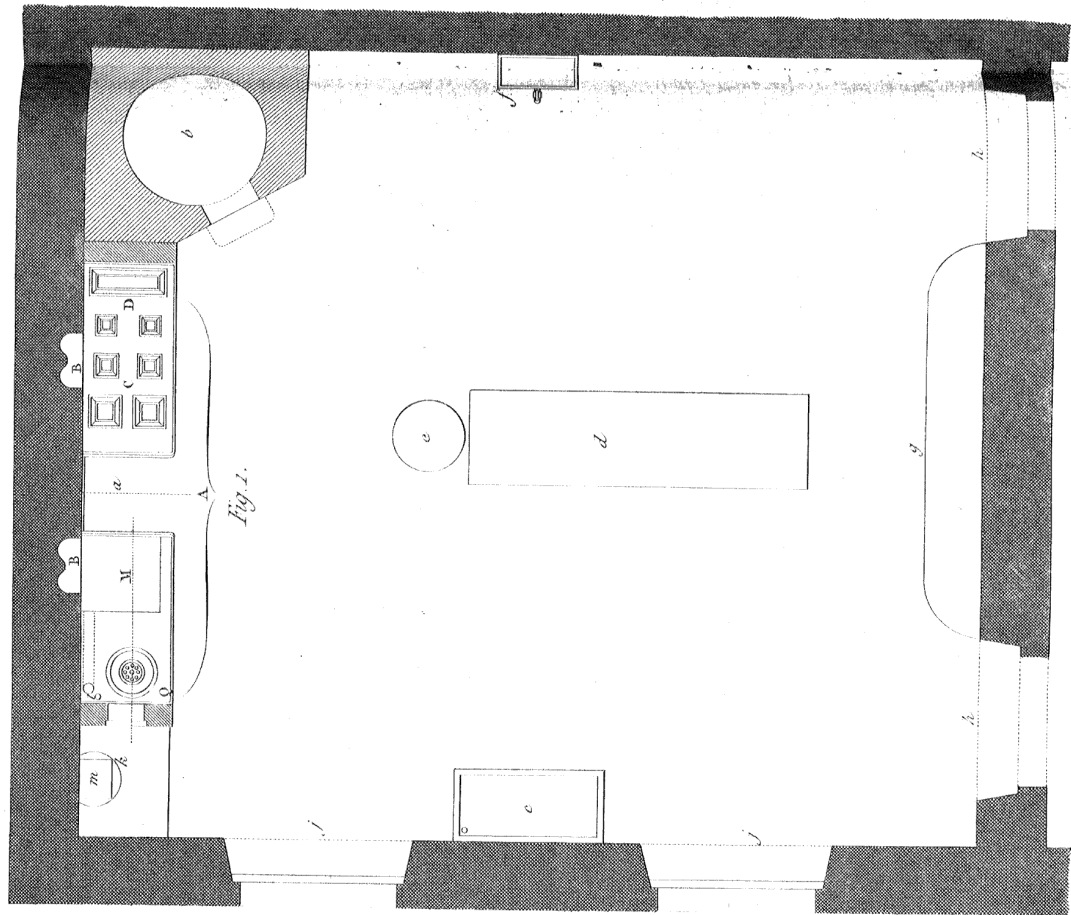


Fig. 1.

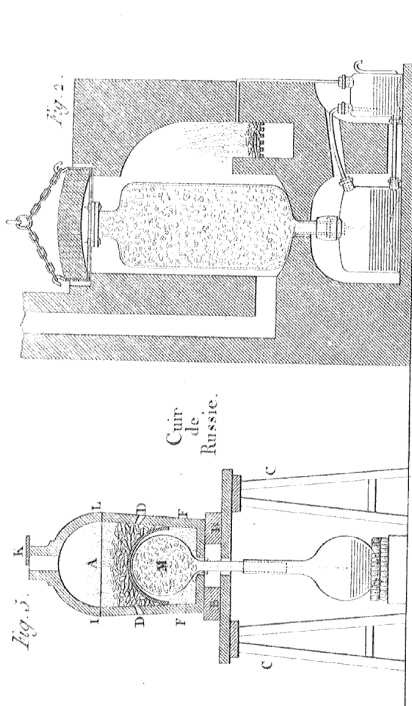


Fig. 5.

Cuir de Russie.

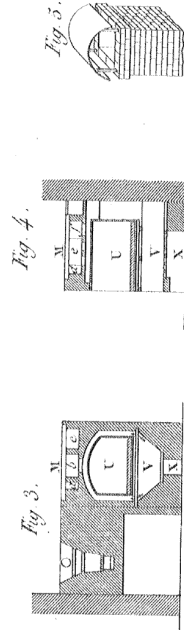


Fig. 4.

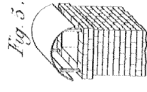


Fig. 3.

Cuisine Salubre.

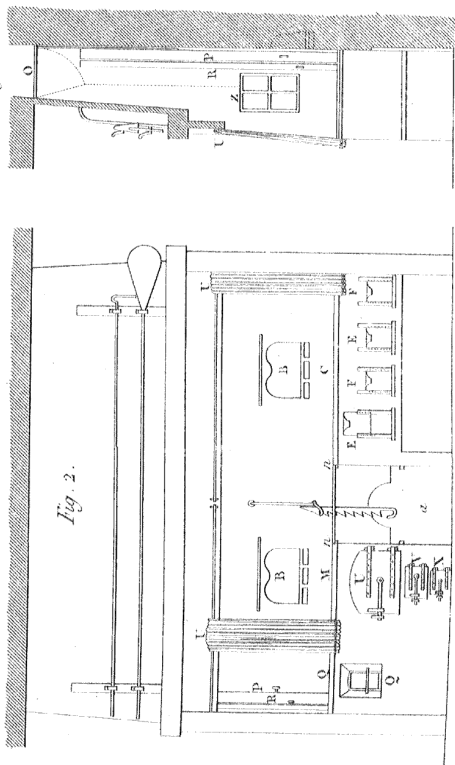
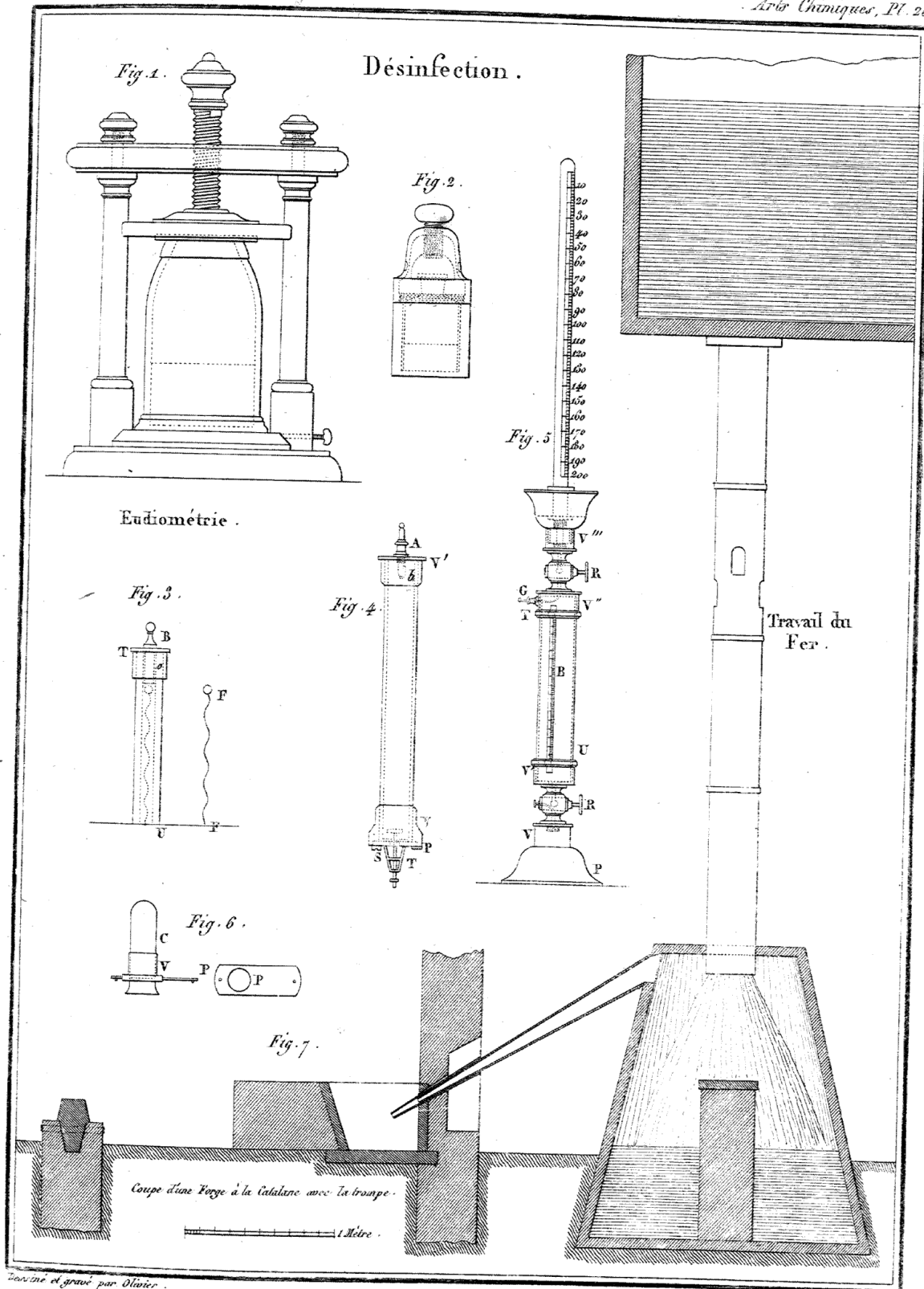
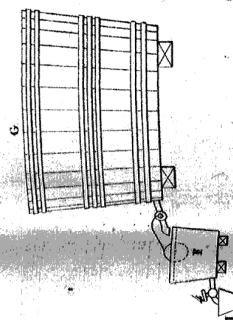
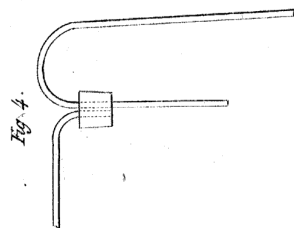


Fig. 2.



Distillation.



Digesteur.

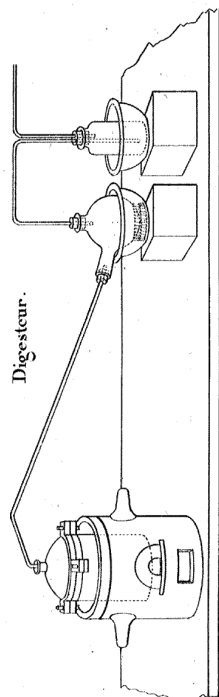


Fig. 1.

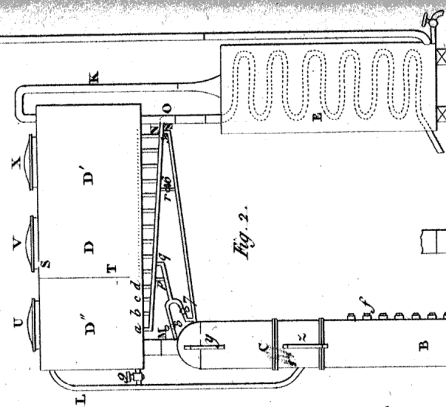


Fig. 2.

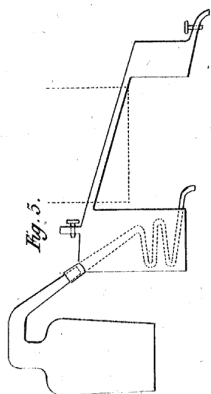


Fig. 5.

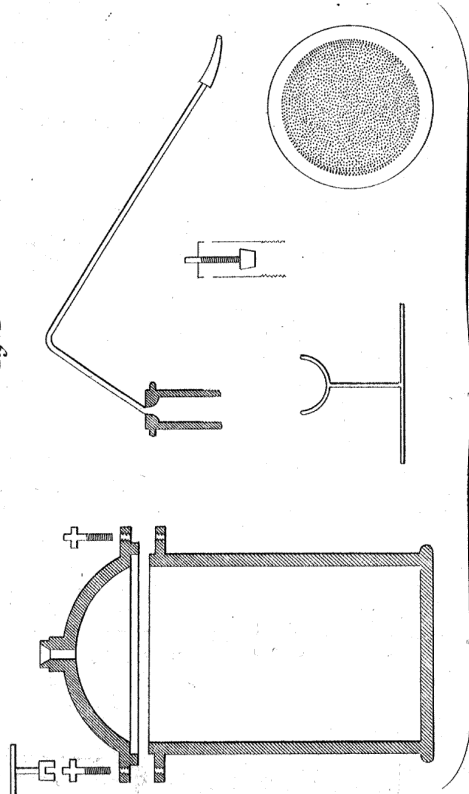
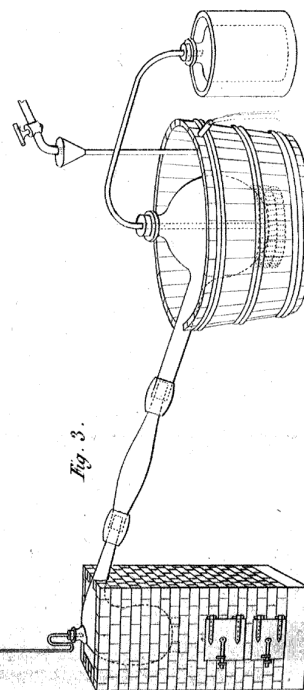
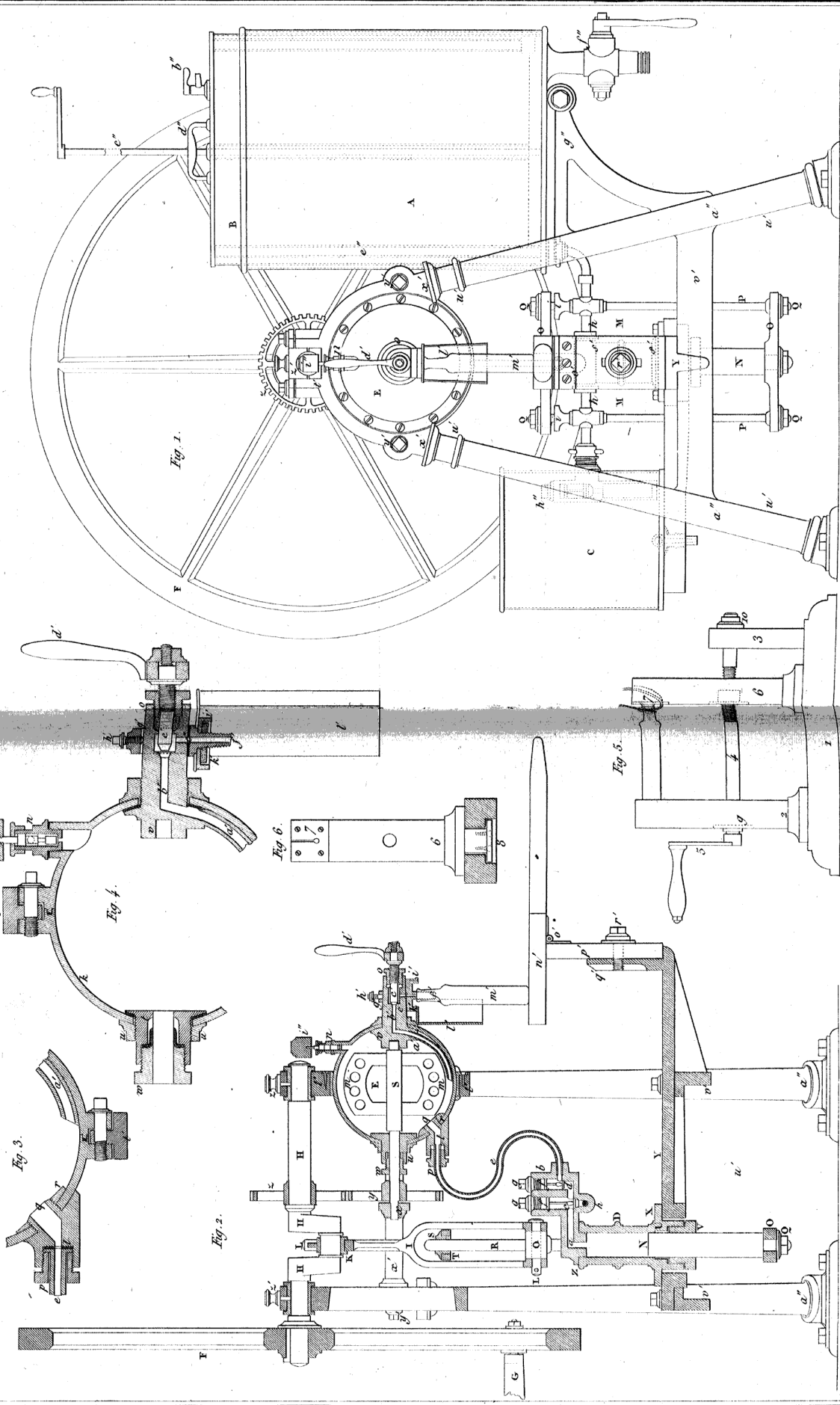


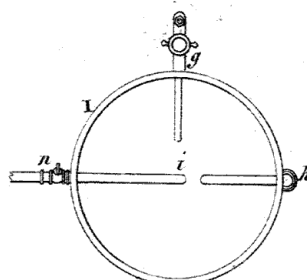
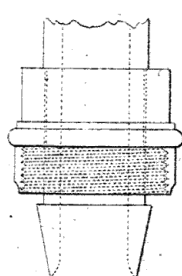
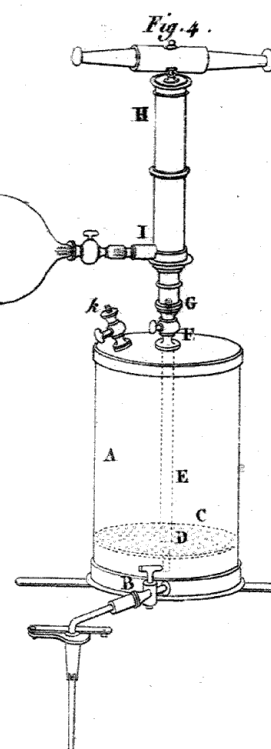
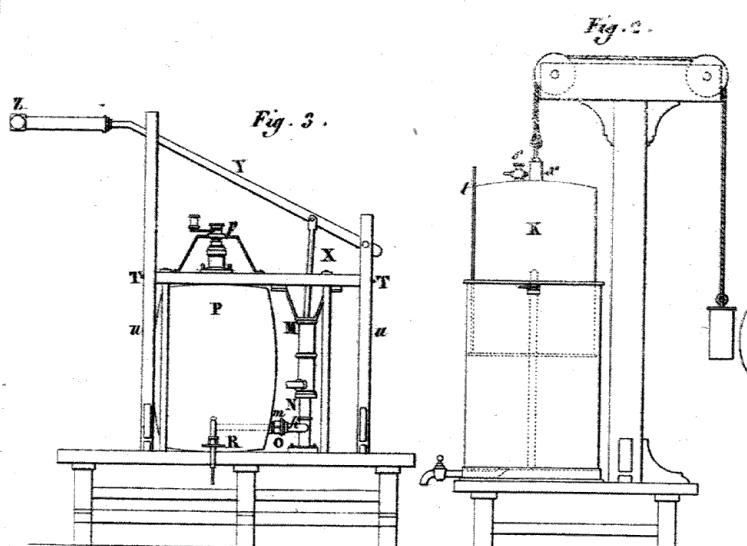
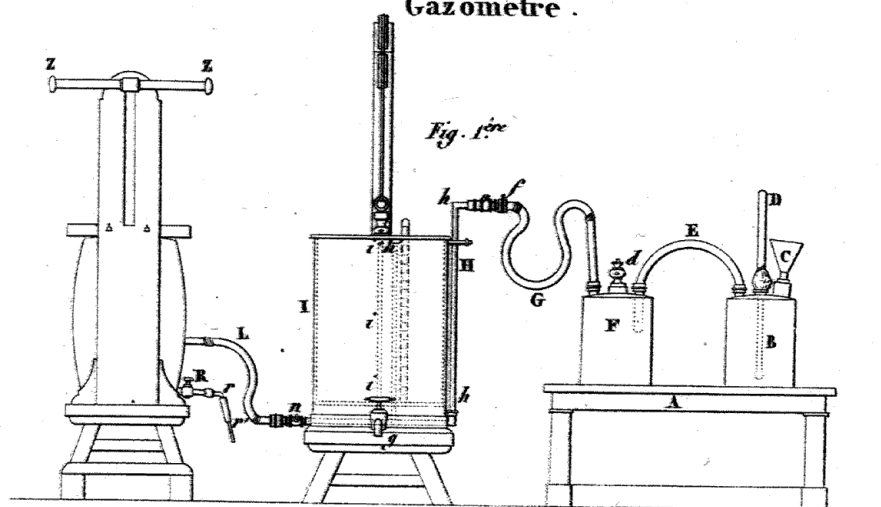
Fig. 3.



Eaux minerales artificielles.

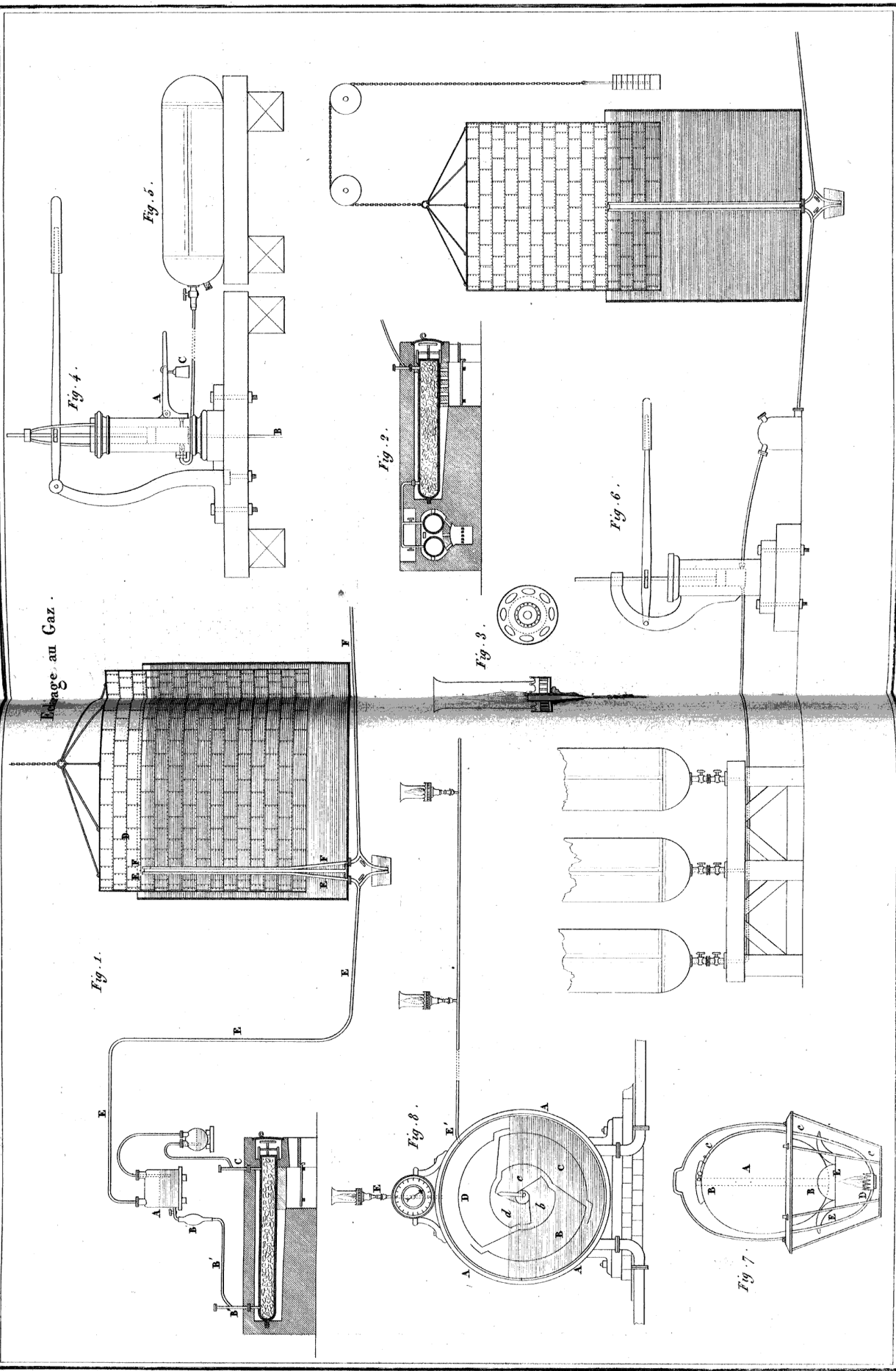


Gazomètre .



Plan au dessous du fond  
de la Cuve extérieure de la Fig. 1.

Dessiné et gravé par Olivier.





Eclairage au Gaz-light &c. Supplément T.M.

Fig. 1.

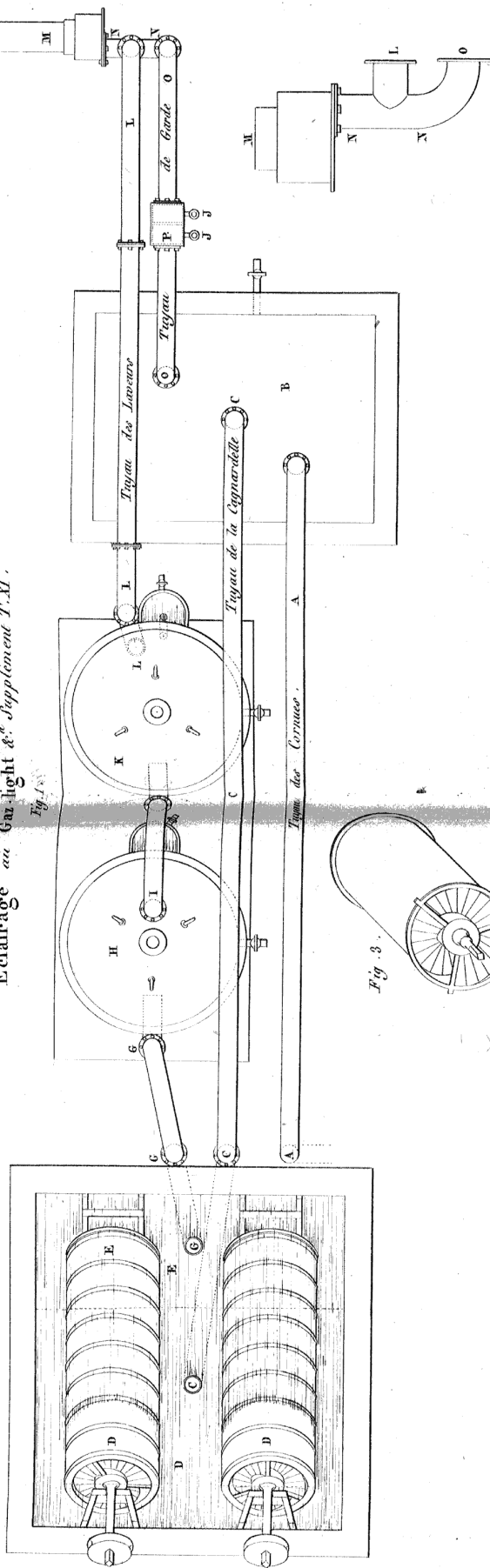


Fig. 3.

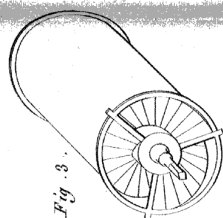
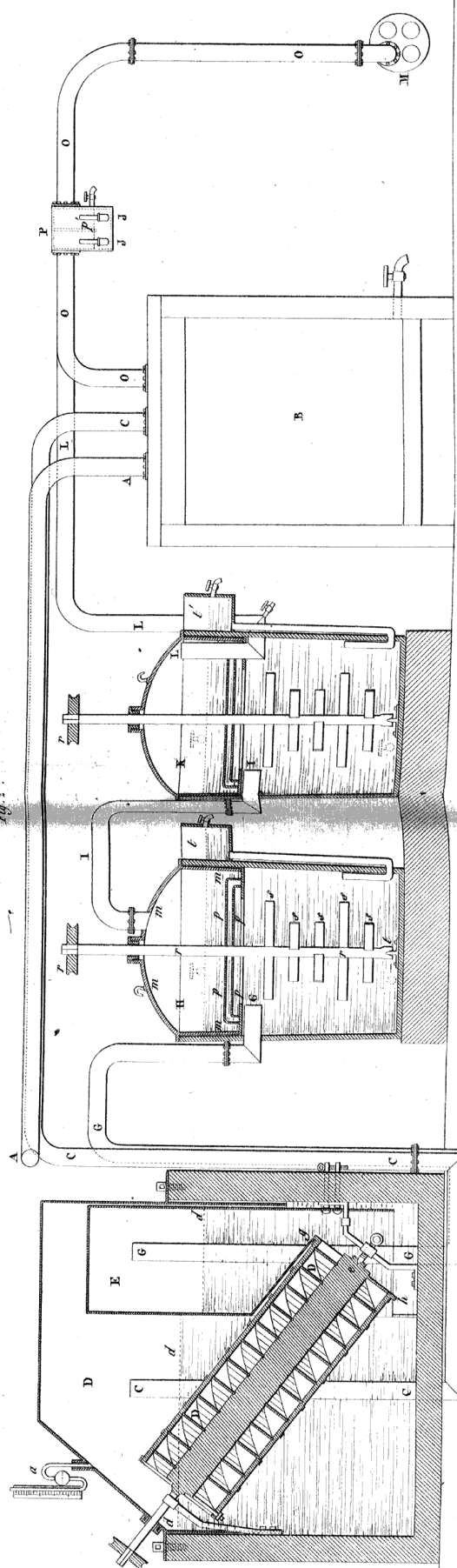


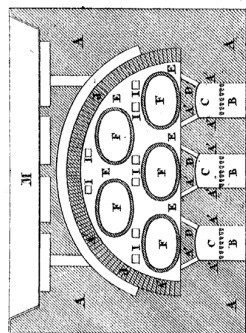
Fig. 2.



Dessiné et Gravé par Olivier.

Eclairage  
au gaz-light  
de la Houille

Fig. 1.



Coupe longitudinale d'une des  
cornues de la Fig. 1.

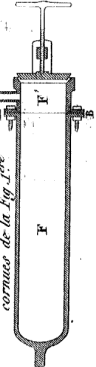


Fig. 4.

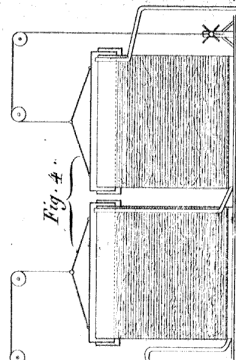


Fig. 6.

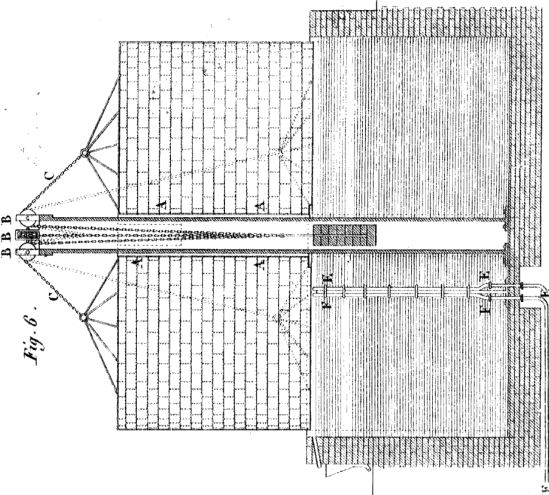


Fig. 2.

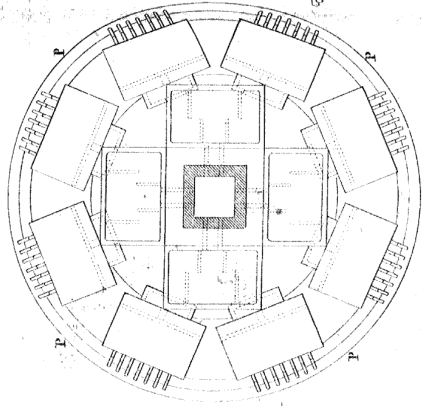
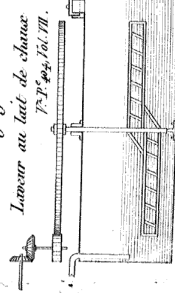
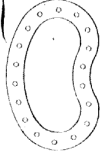


Fig. 9.



Lavoir au lait de chaux  
173<sup>e</sup> 42/100 M.

Fig. 3.



Décolorimètre

Addition au  
100. M. 1732.

Fig. 1.

Fig. 5.

Fig. 7.

Fig. 10.

Fig. 11.

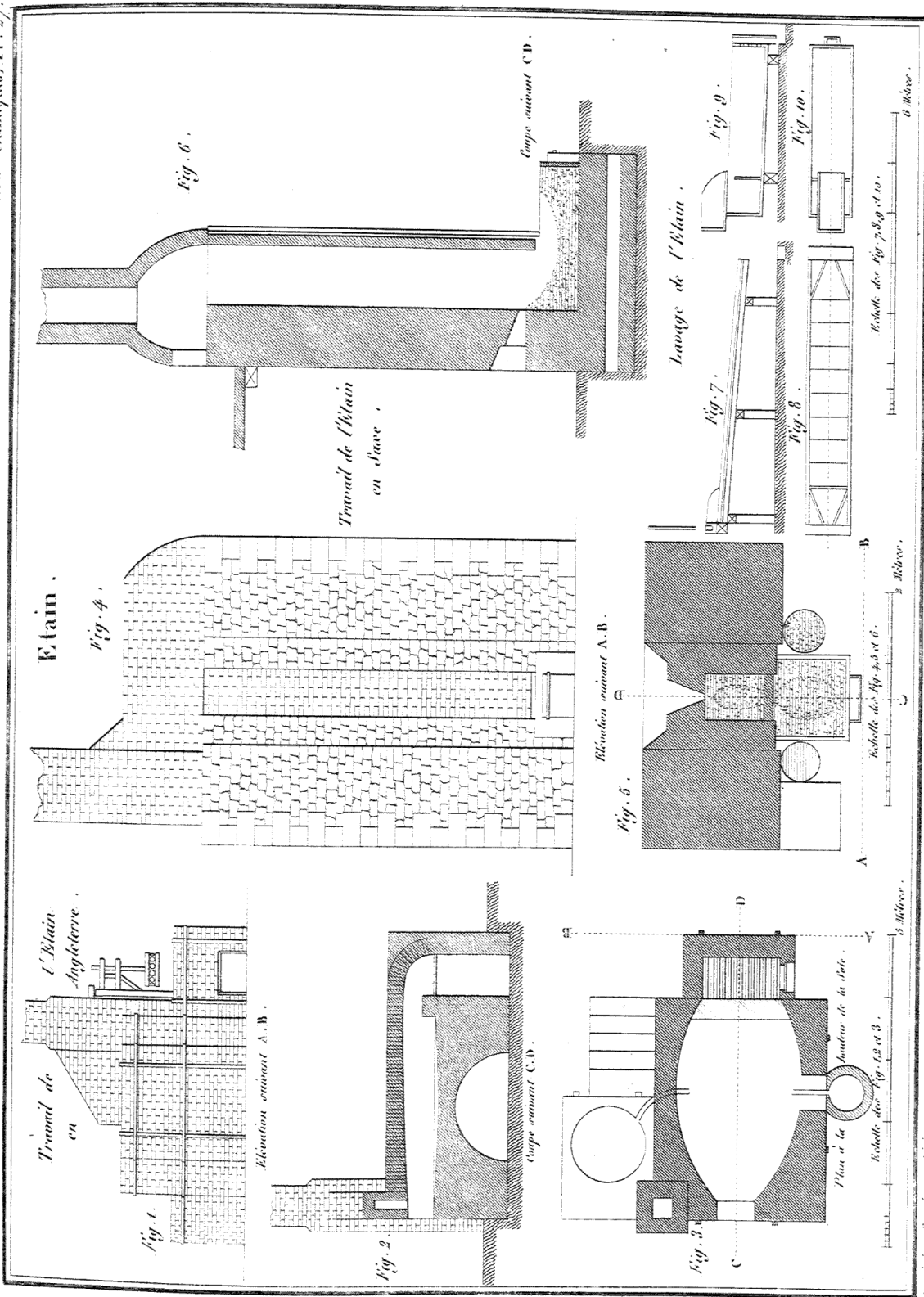
Fig. 12.

Fig. 13.

Fig. 14.

Fig. 15.

Fig. 16.



Etuves

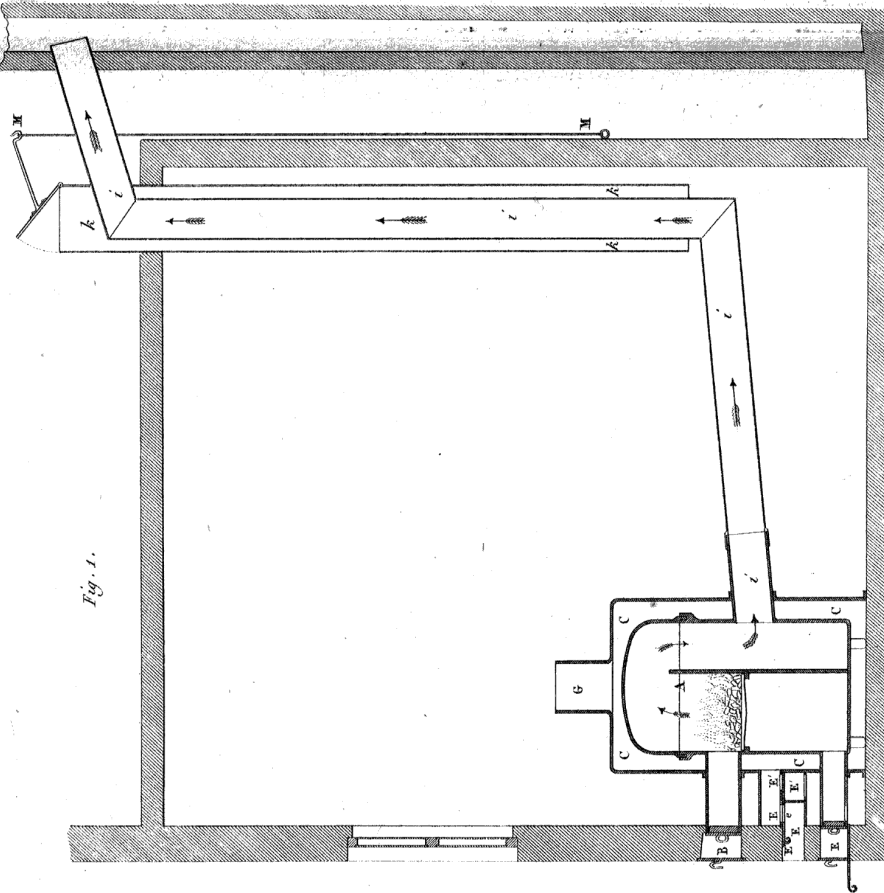


Fig. 1.

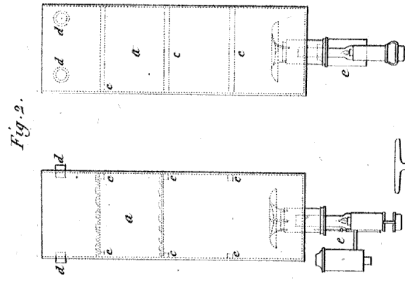


Fig. 2.

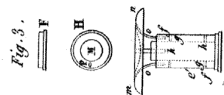


Fig. 3.

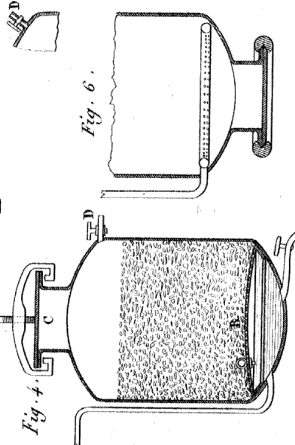


Fig. 4.

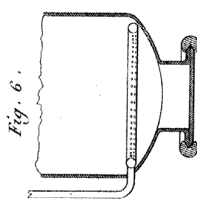


Fig. 6.

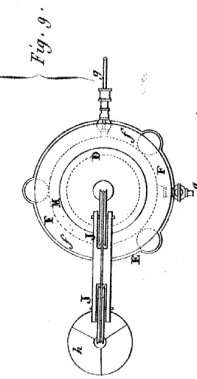


Fig. 9.

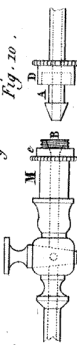


Fig. 20.

Gélatine

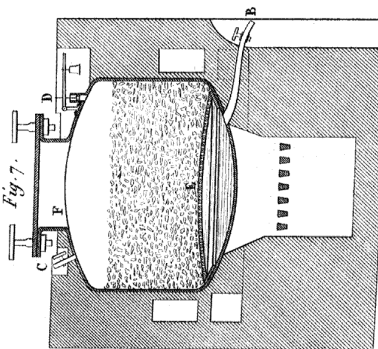


Fig. 7.

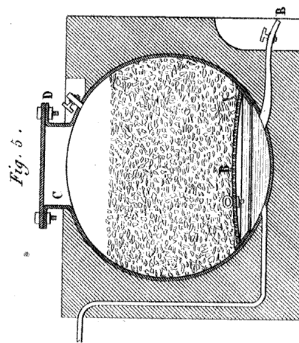
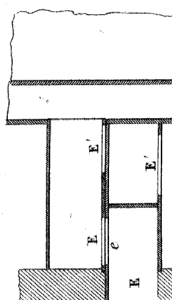
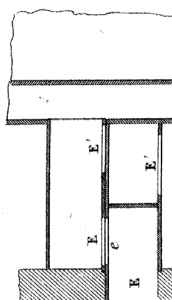
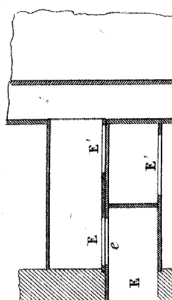
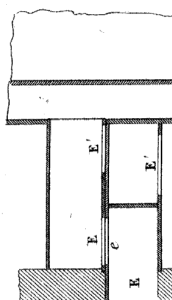
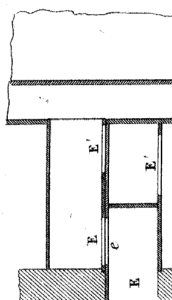
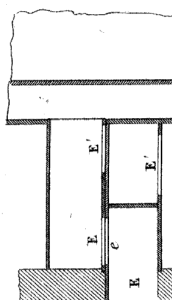
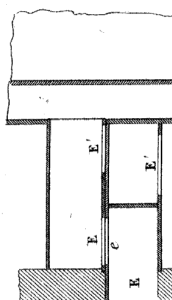
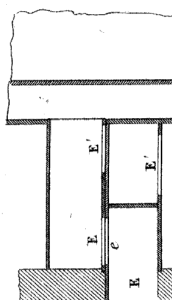
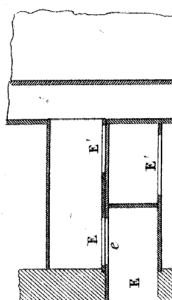
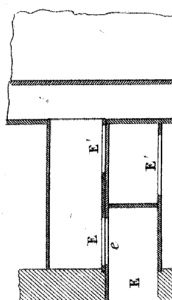
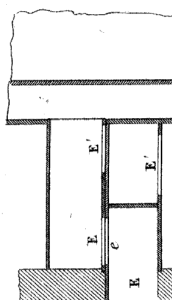
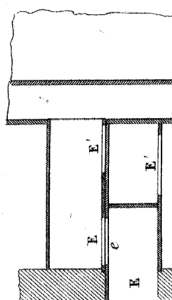
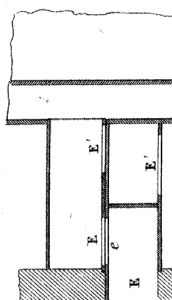
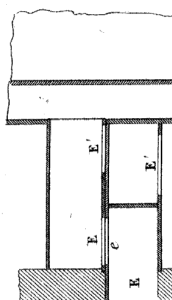
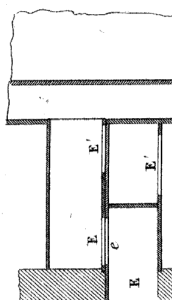
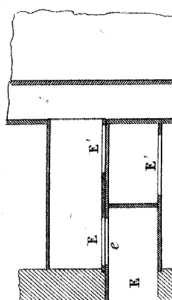
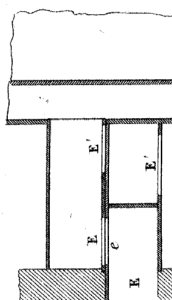
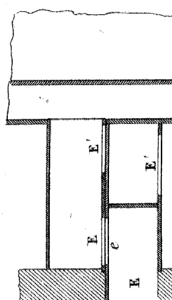
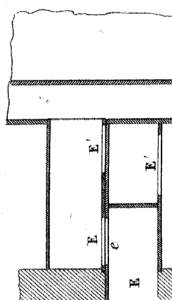
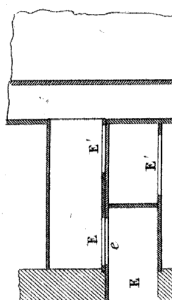
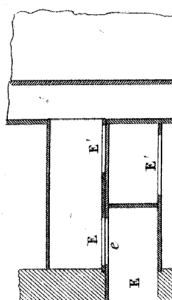
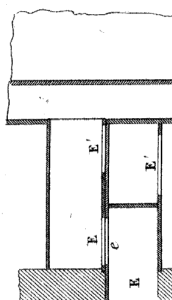
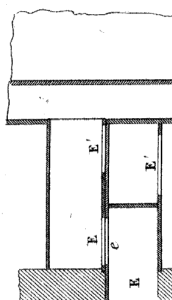
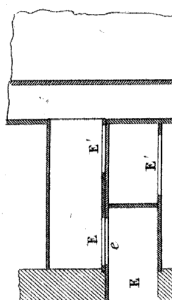
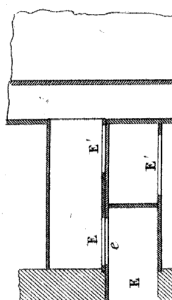
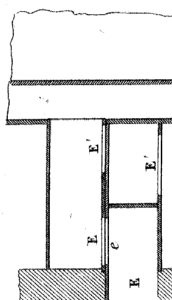
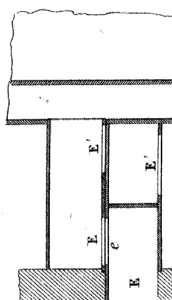
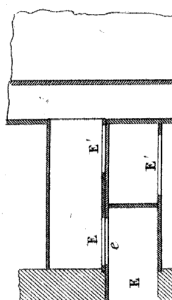
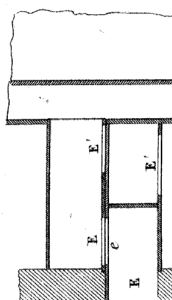
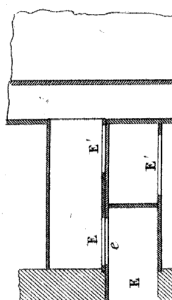
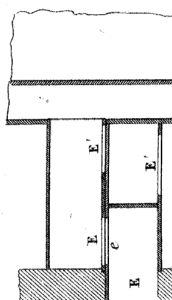
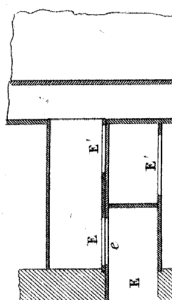
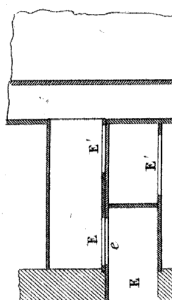
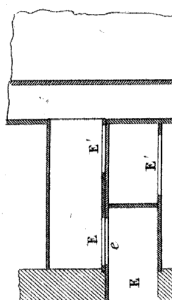
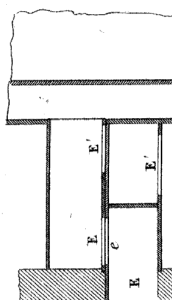
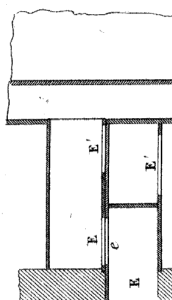
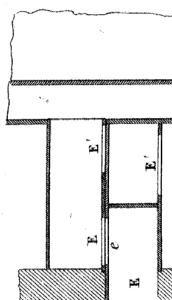
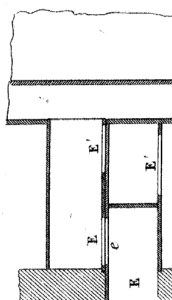
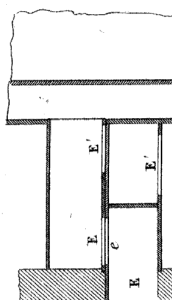
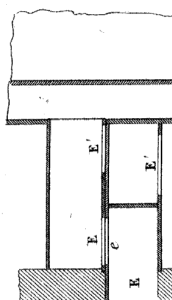
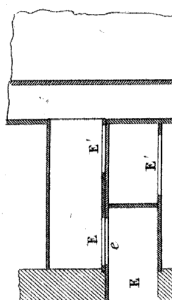
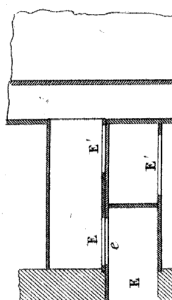
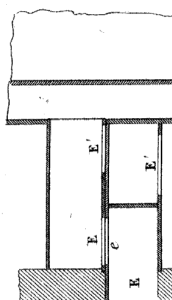
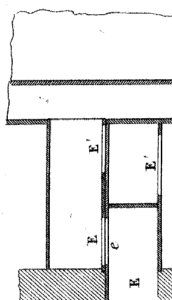
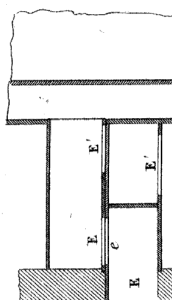
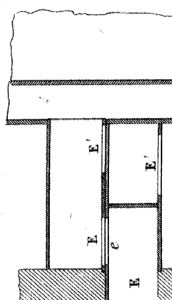
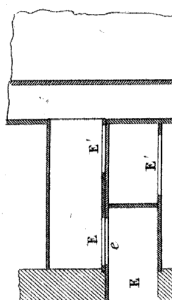
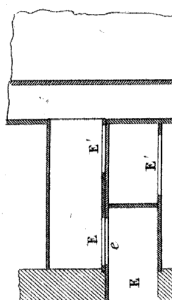
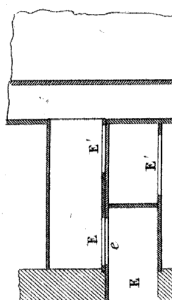
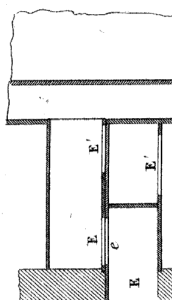
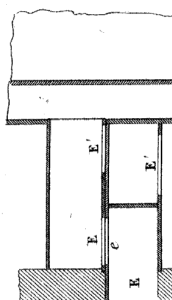
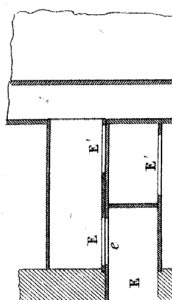
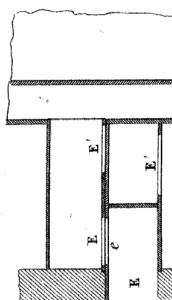
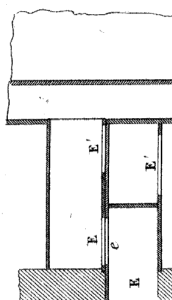
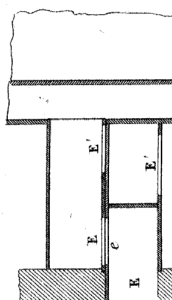
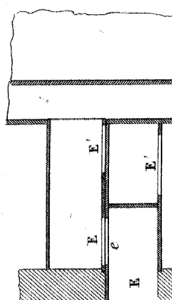
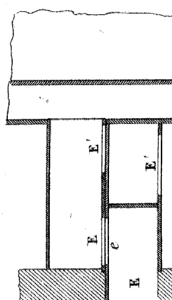
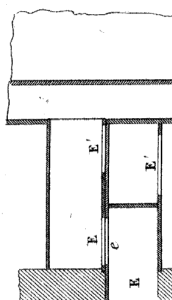
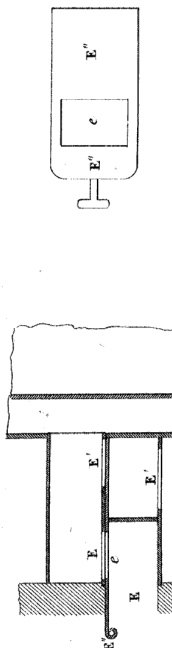


Fig. 8.



Haut-Fourneau au charbon de bois.

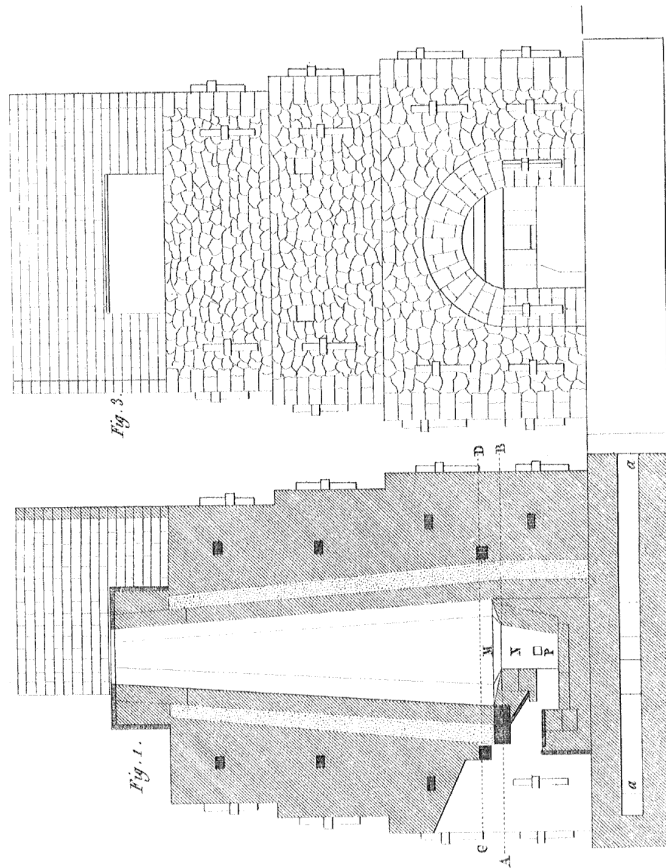
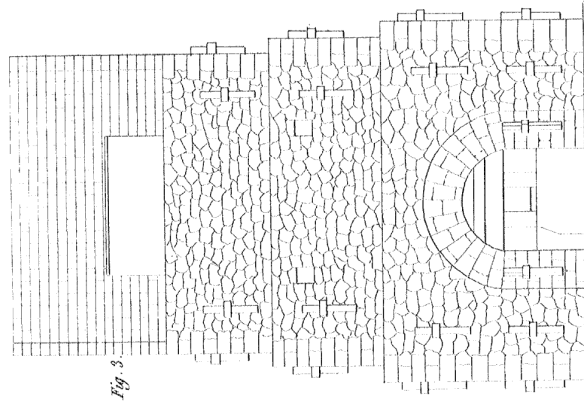


Fig. 3.



Fonte (Fusion des minerais de Fer.)

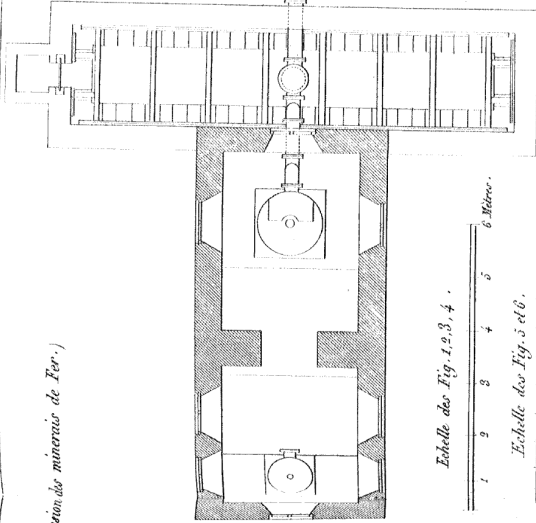


Fig. 5.

Echelle des Fig. 1, 2, 3, 4.

Echelle des Fig. 5 et 6.

1 2 3 4 5 6 7 8 9 10 Mètres.

Haut-Fourneau au Coke.

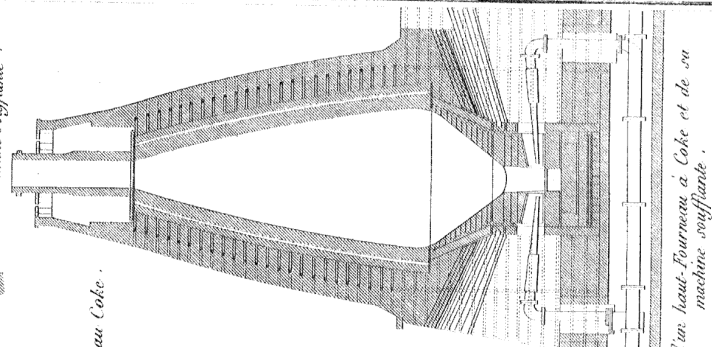
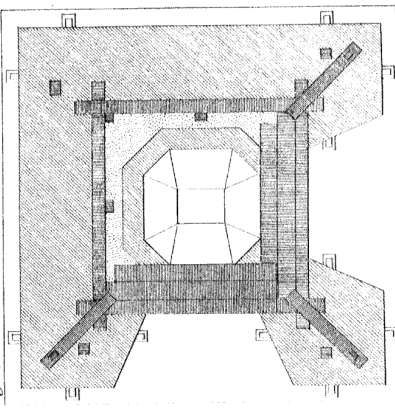


Fig. 6.

Coupe d'un haut-Fourneau à Coke et de sa machine soufflante.

Elevation.

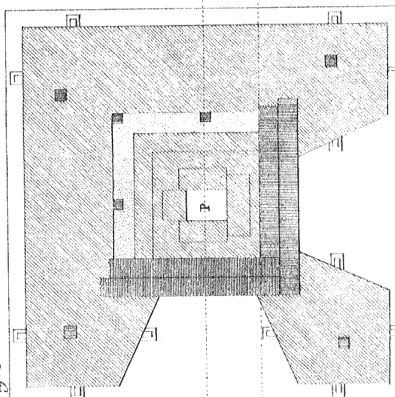
Fig. 4.



Plan à la hauteur C. D.

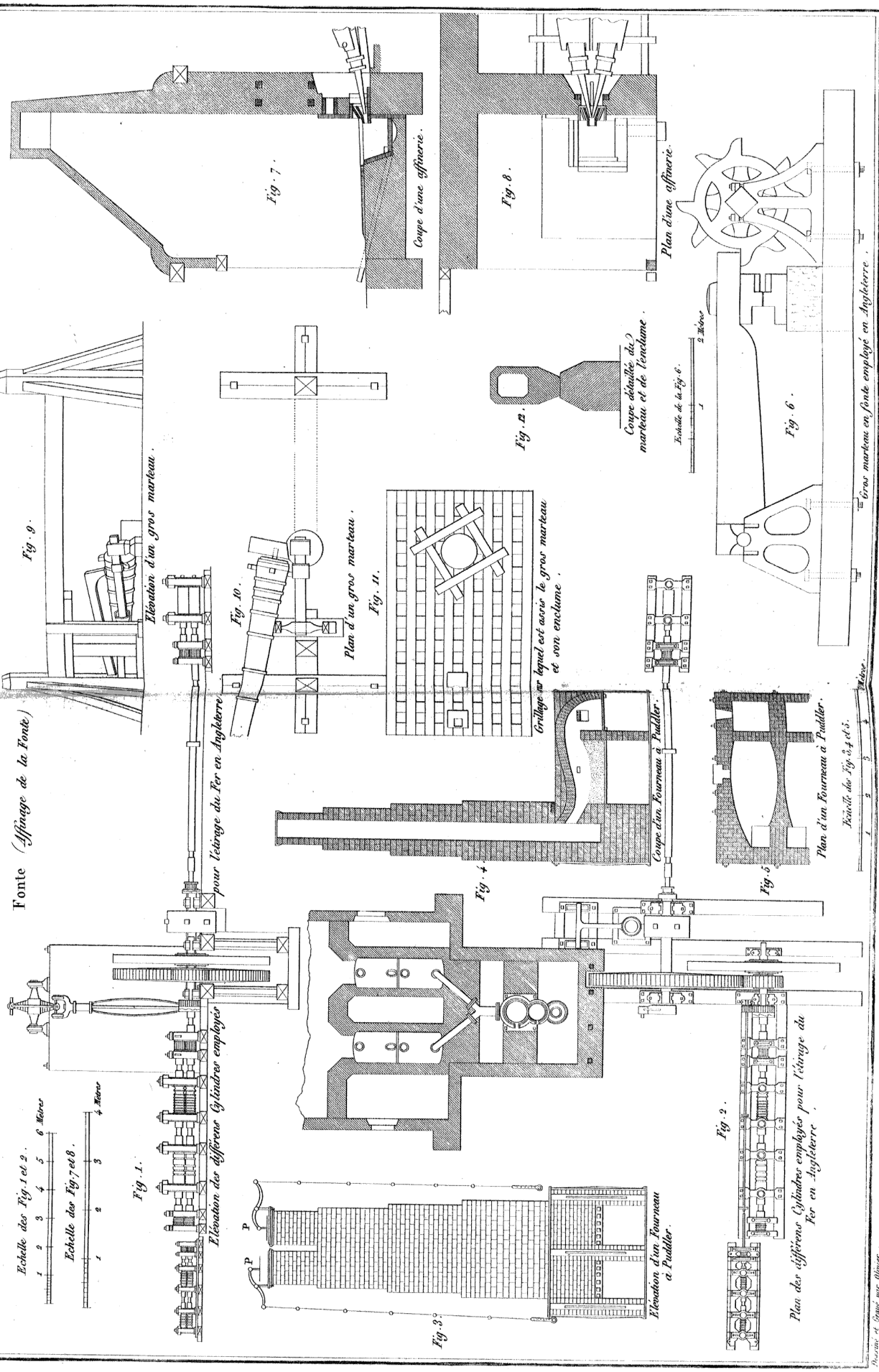
Coupe.

Fig. 2.



Plan à la hauteur A. B.

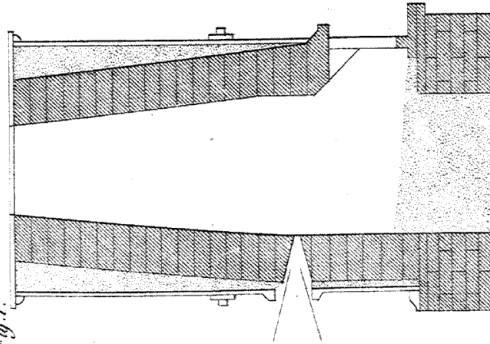
Designé et tracé par Olivier.





Fonte moulée. (Travail de la)

Fig. 1. Fourneau à manche.



Coupe.

Fourneau à renversière.

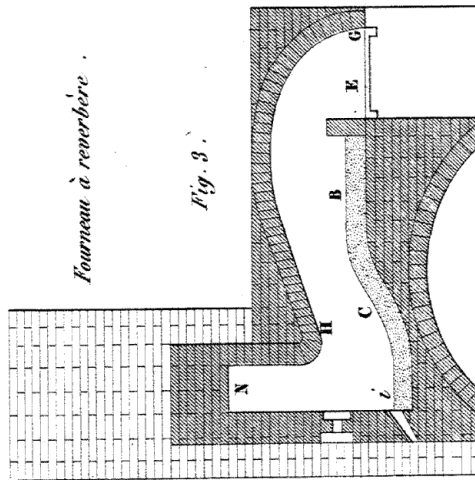
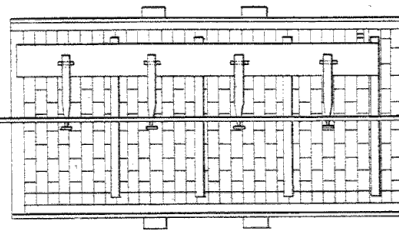


Fig. 3.

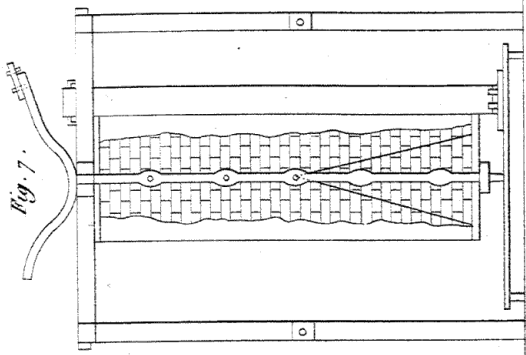
Coupe.

Fig. 5.



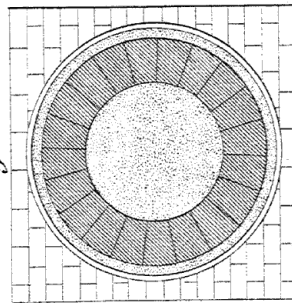
Forme du manteau.

Fig. 7.



Forme du noyau.

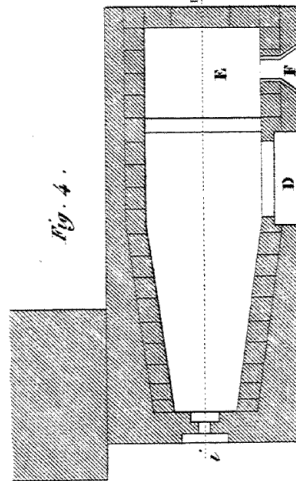
Fig. 2.



Plan.

1 2 3 4 Pieds  
Echelle des Fig. 1 et 2.

Fig. 4.



Plan.

1 2 3 4 5 6 7 8 9 10 Pieds.  
Echelle des Fig. 3 et 4.

Fig. 6.

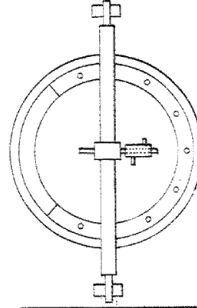
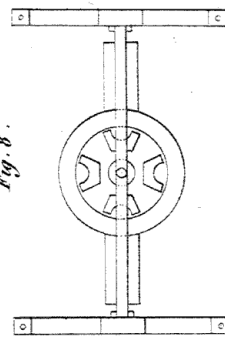


Fig. 8.



1 2 3 4 5 6 7 8 9 10 Pieds.  
Echelle des Fig. 5, 6, 7, et 8.

Fourneaux

Fourneaux des chaudières à vapeur

Fig. 1.

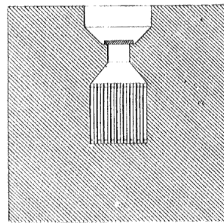


Fig. 3.

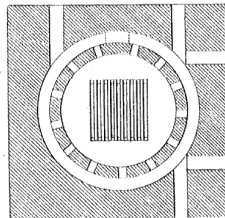


Fig. 2.

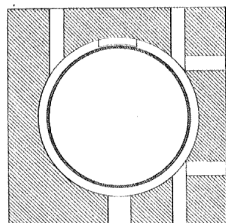


Fig. 8.

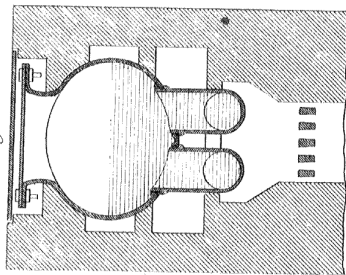


Fig. 5.

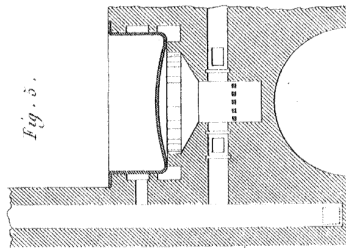


Fig. 6.

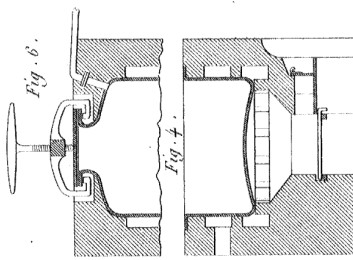


Fig. 4.

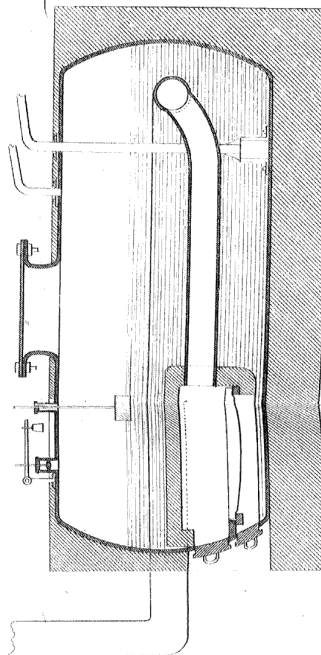


Fig. 9.

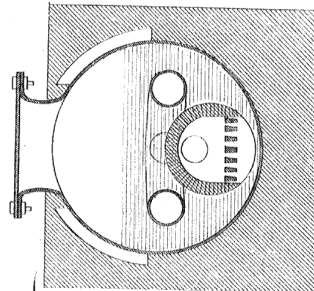


Fig. 12 (a)



Fig. 12 (b)



Fig. 10.

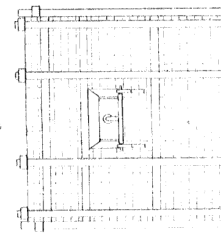


Fig. 11.

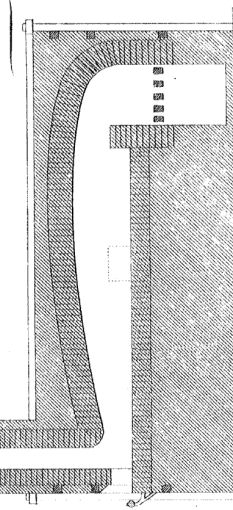


Fig. 12.

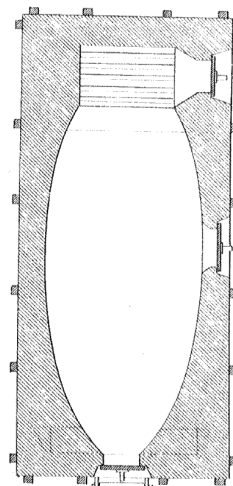


Fig. 13.

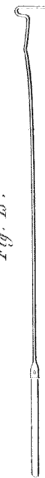
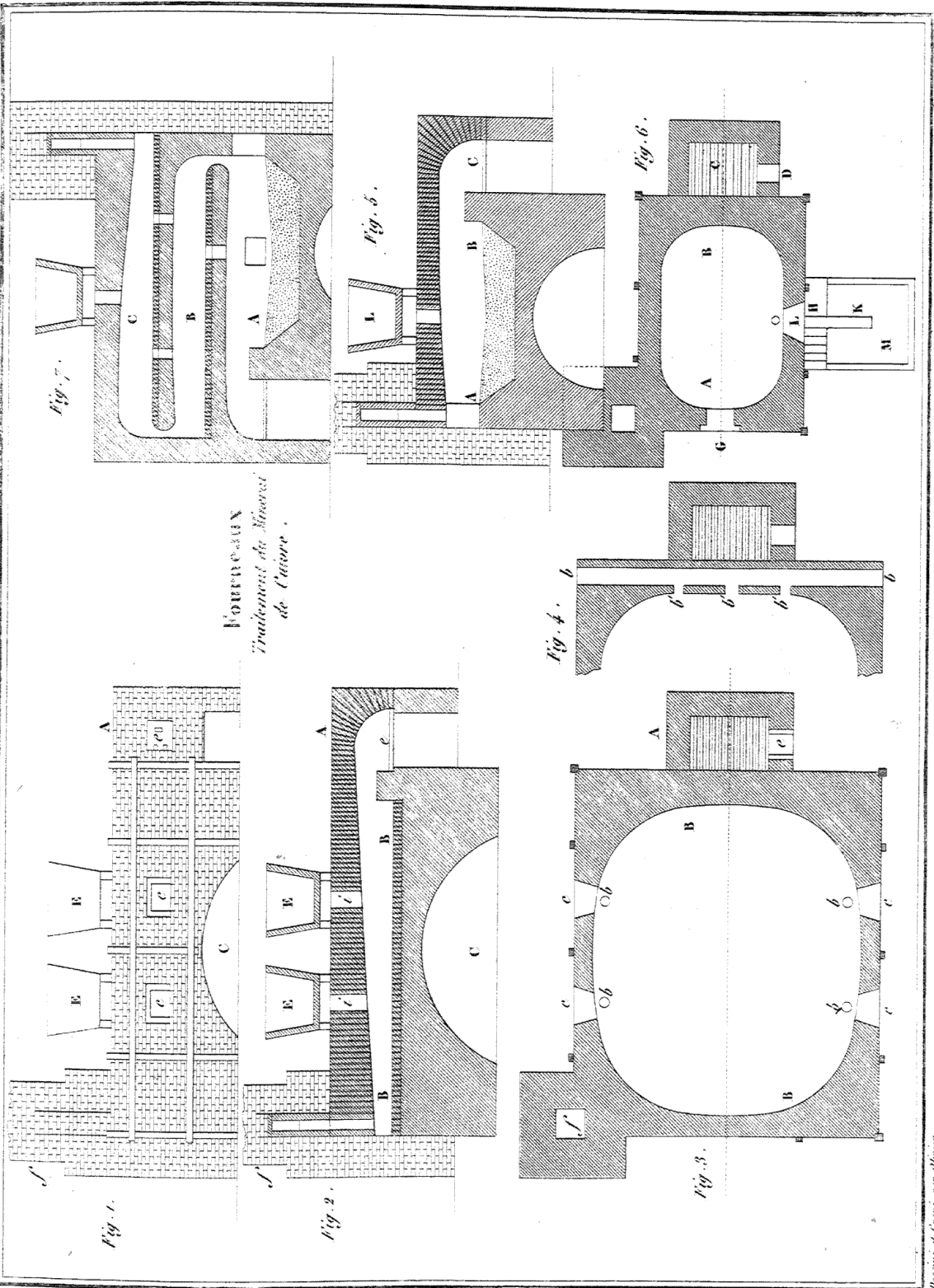


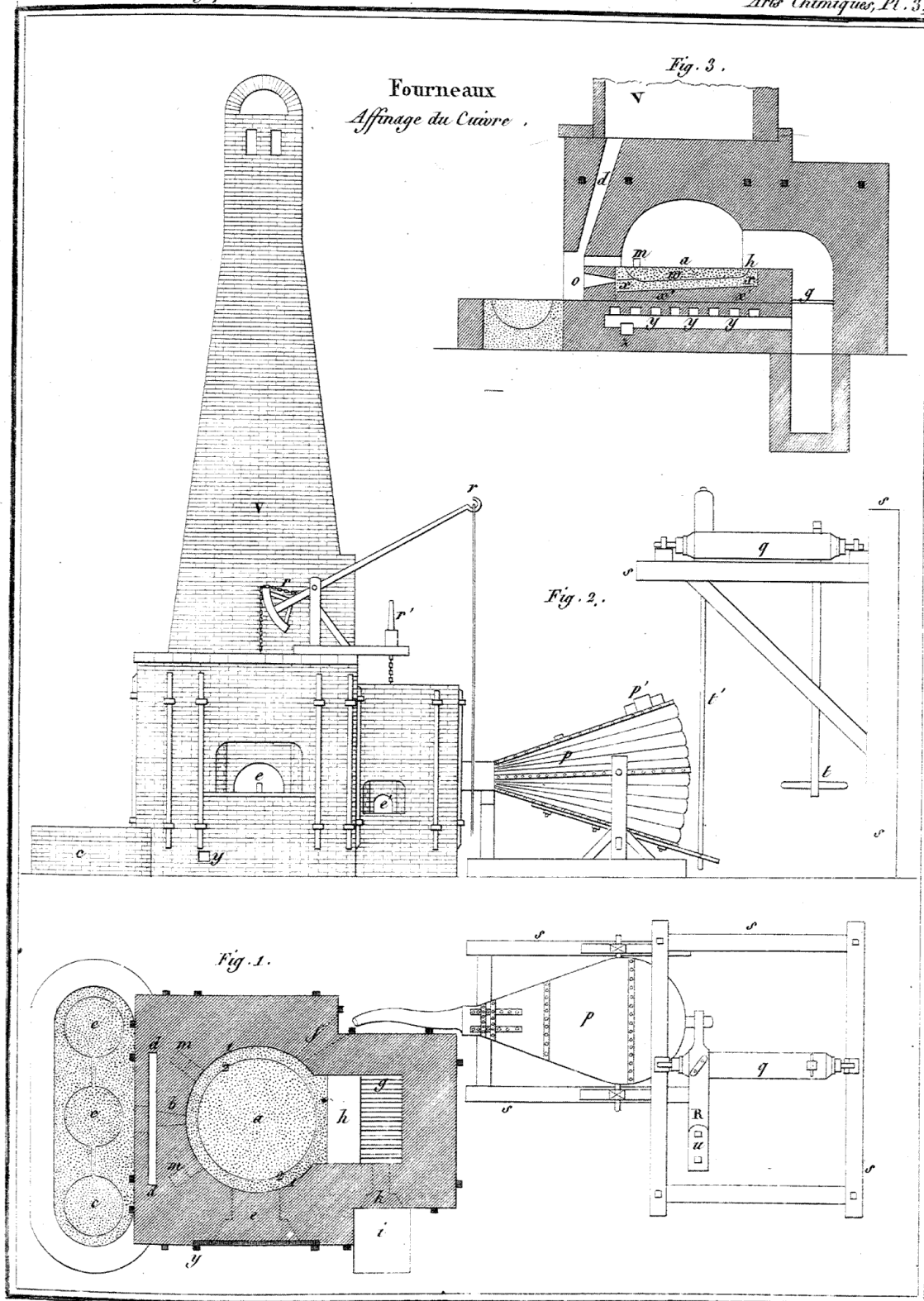
Fig. 14.



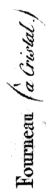
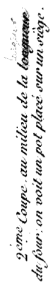




Designé et construit par M. de la Roche.

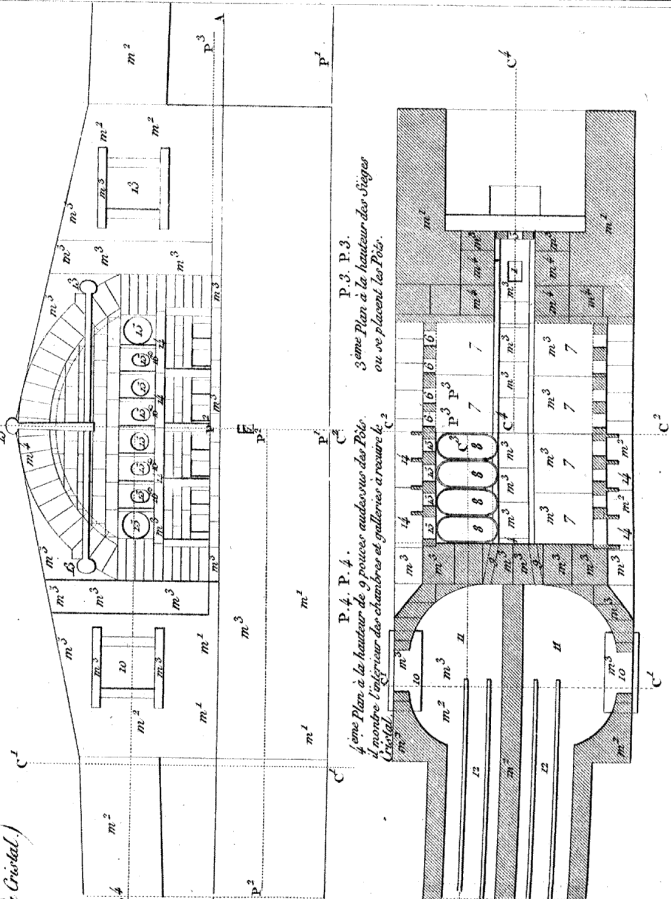
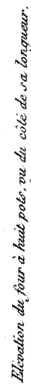


1<sup>re</sup> Coupe : elle montre  
1<sup>o</sup> les chambres à tirer ;  
2<sup>o</sup> l'élévation du baril ;  
3<sup>o</sup> la coupe des chambres à re-



P. 2 P. 2.  
2eme Plan à la hauteur du Tardou se trouve le trou  
par le quel tombent les braves et les centres.

P. I. P. I.  
1<sup>er</sup> Plan au niveau du pavé de la halle.



*Dessiné et gravé par Olivier.*

Fourneaux de Laboratoire.

Fig. 1.

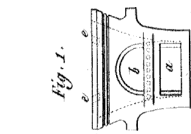


Fig. 2.

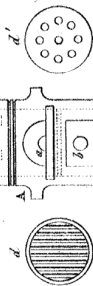
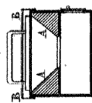
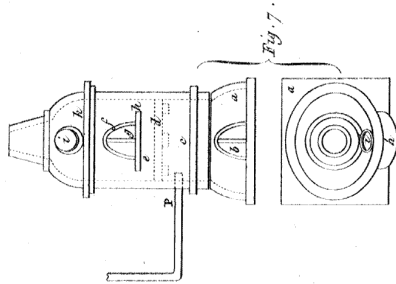
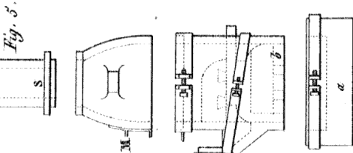
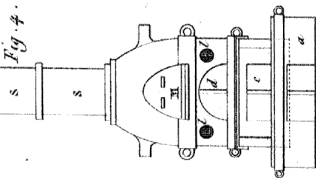
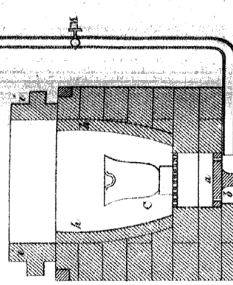


Fig. 4.



Fourneaux de Cuisine.

Fig. 8.

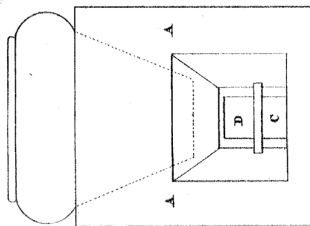


Fig. 9.

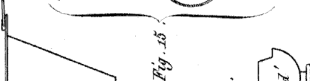


Fig. 10.

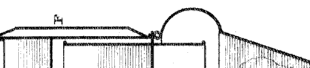


Fig. 11.



Fig. 12.



Fig. 13.

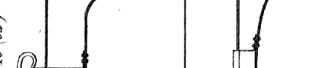


Fig. 14.

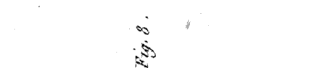


Fig. 15.

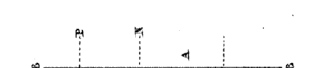


Fig. 16.



Fig. 17.



Fig. 18.



Fig. 19.



Fig. 20.

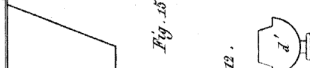


Fig. 21.



Fig. 22.



Fig. 23.



Fig. 24.



Fig. 25.



Fig. 26.

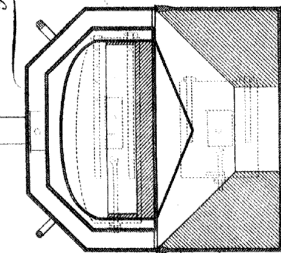


Fig. 27.

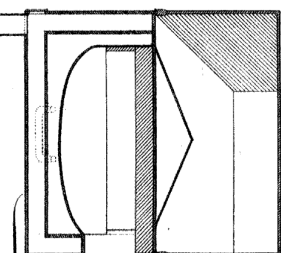


Fig. 28.

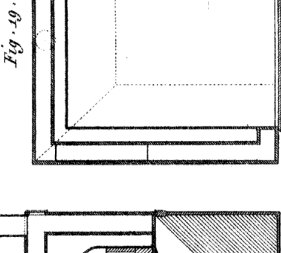


Fig. 29.

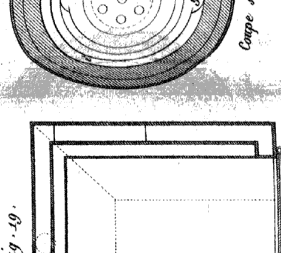


Fig. 30.

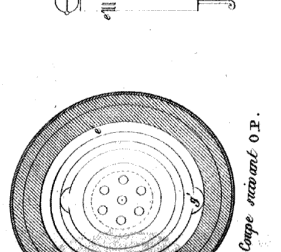


Fig. 31.

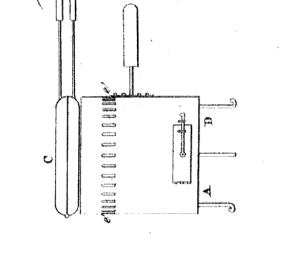


Fig. 32.

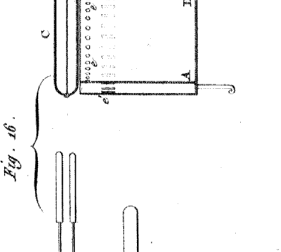


Fig. 33.

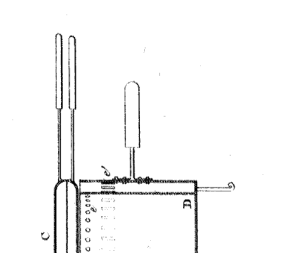


Fig. 34.

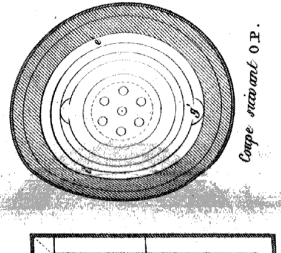


Fig. 35.

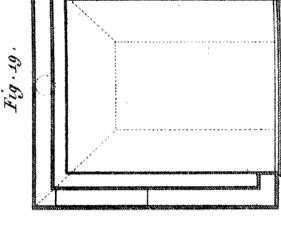


Fig. 36.

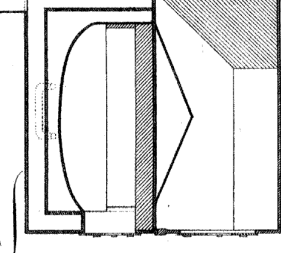


Fig. 37.

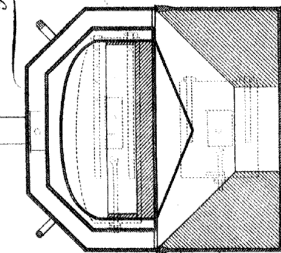
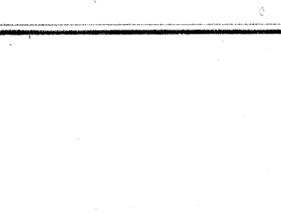


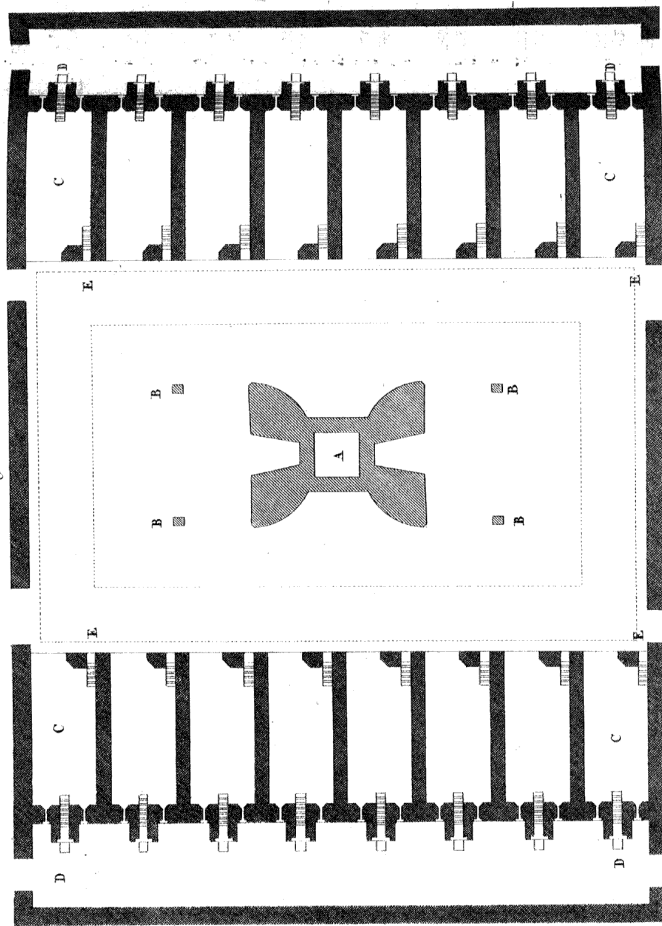
Fig. 38.



Coupe suivant O P.

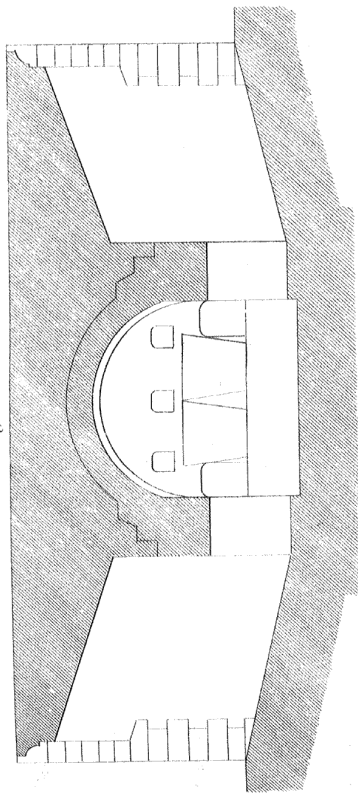
Plan général d'une Halle.

Fig. 1.



Coupe du Four par l'arête du milieu d'une tonnelle à l'autre.

Fig. 3.

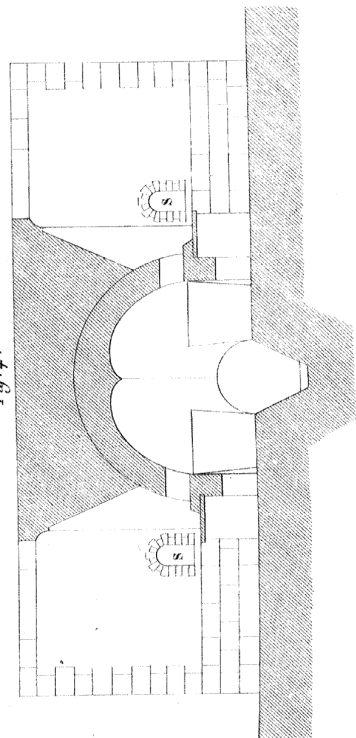


4 Toises



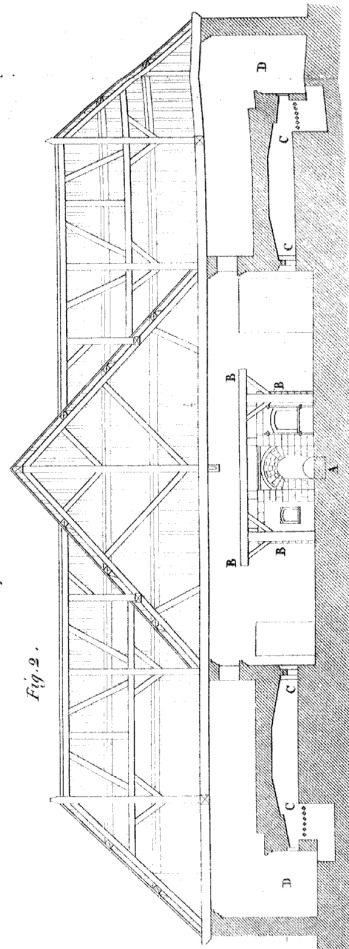
Coupe du Four par les ouvrages du milieu.

Fig. 4.

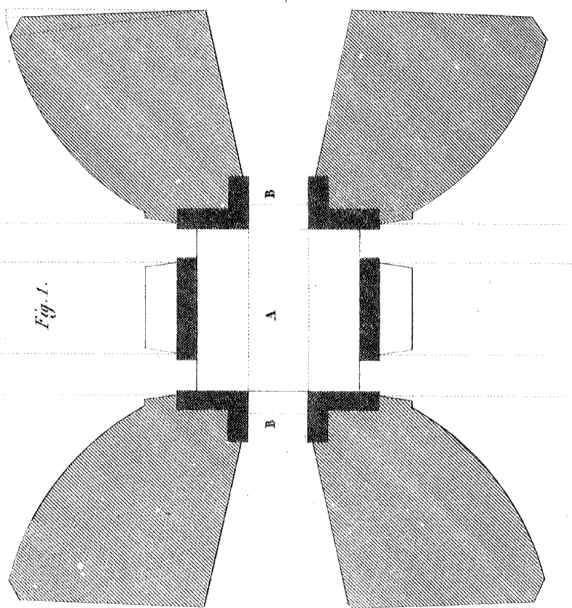


Coupe Transversale de la Halle.

Fig. 2.

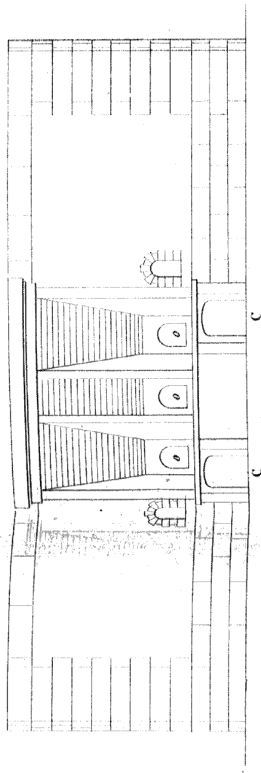


Plan géométral du Four et de ses 4 arches.



Elevation du Four à partir du sol.

Fig. 3.



Plan en élévation de la Claye.

Fig. 4.

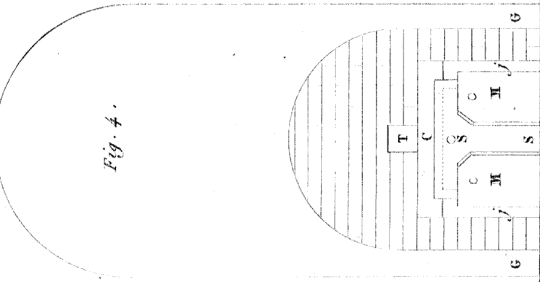
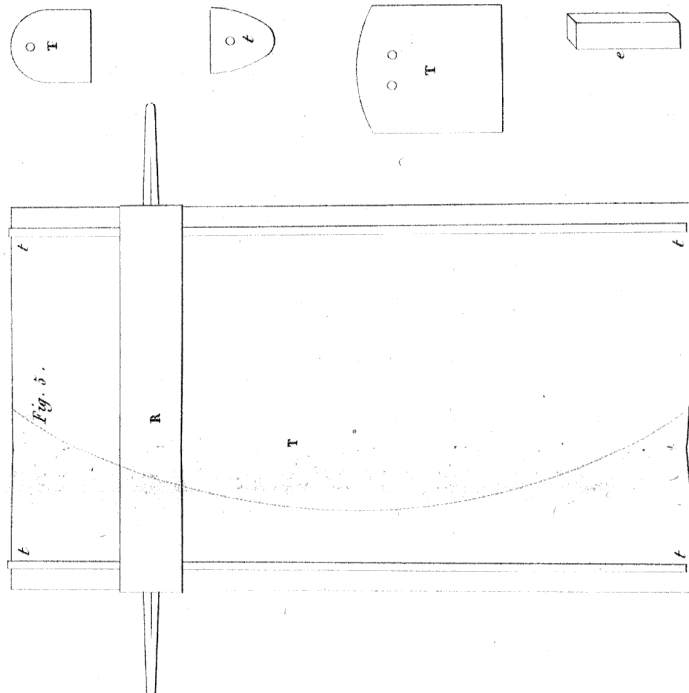
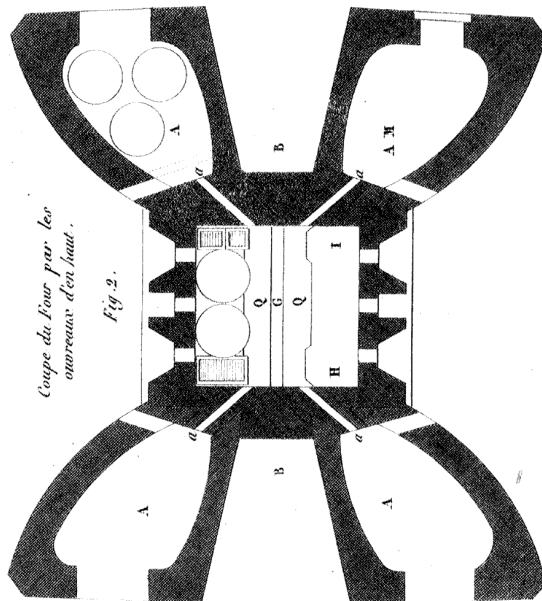


Table et son rouleau.

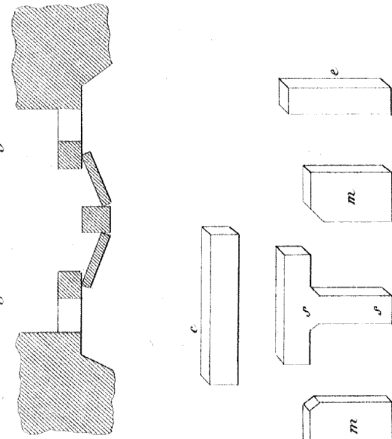


Coupe du Four par les ouvertures d'en haut.

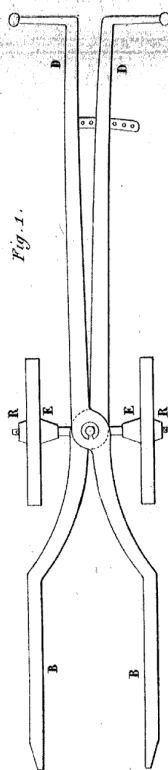
Fig. 2.



Diverses pièces qui composent la structure de la Claye.

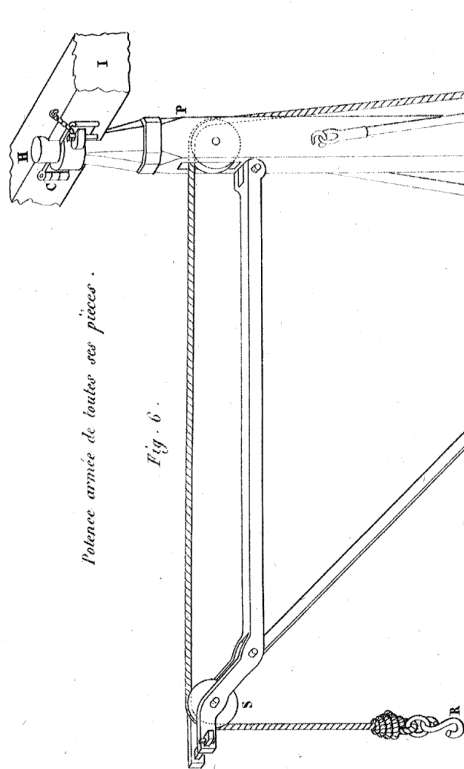


Chariot à tenailles



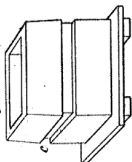
Palanée armée de louter ses pièces.

Fig. 6.



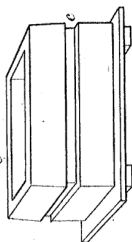
Petite Cuvette.

Fig. 3.



Grande Cuvette.

Fig. 2.



Chariot à ferrasse.

Fig. 4.

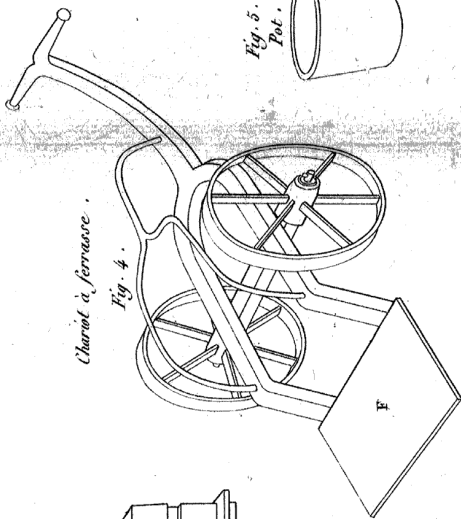


Fig. 5.

Pot.

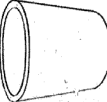


Fig. 8.

Table et divers outils employés au moment de la couée.

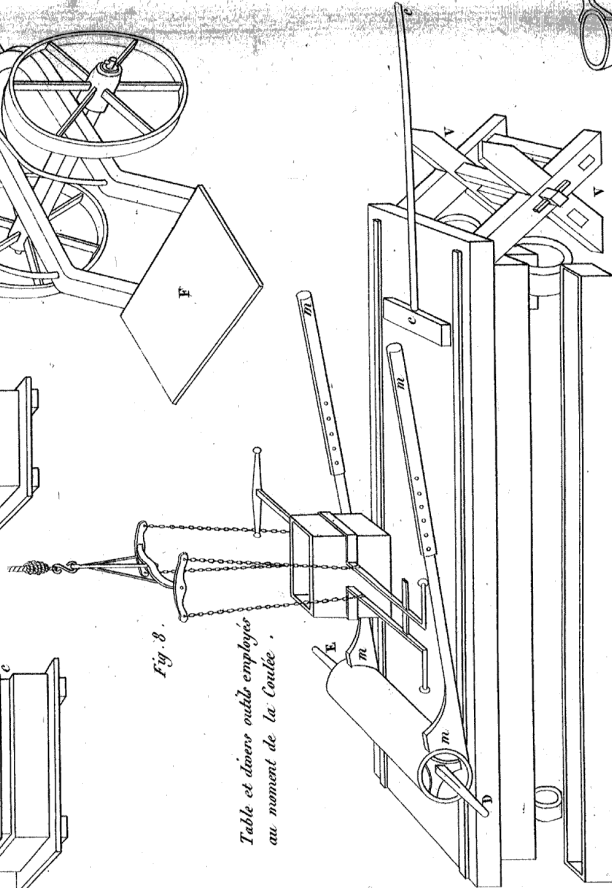


Fig. 7.

Tenaille à porter les cuvettes, garnie de ses chaînes.

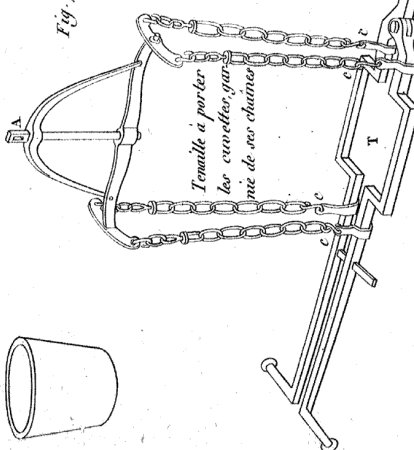


Fig. 9. Poche à bryetter.

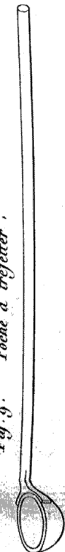




Fig. 1.

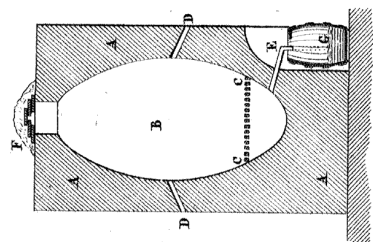
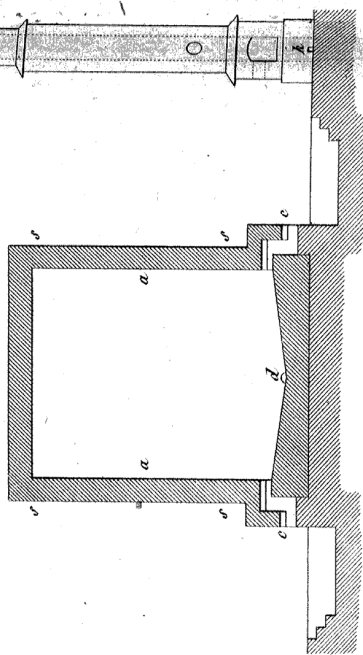
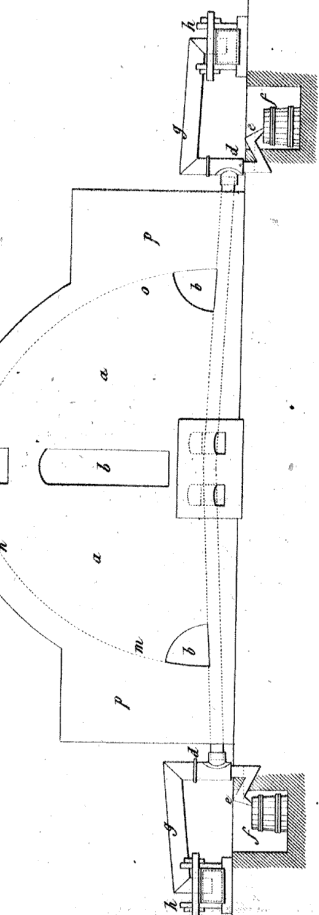


Fig. 3.



Goudron.

Fig. 4.



Hydrogène carboné.

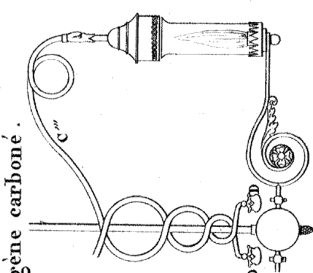
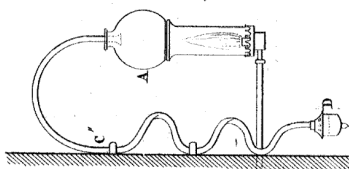


Fig. 12.



Houblon.  
et l'ajoutement, fin du  
tome XI.

Fig. 9.

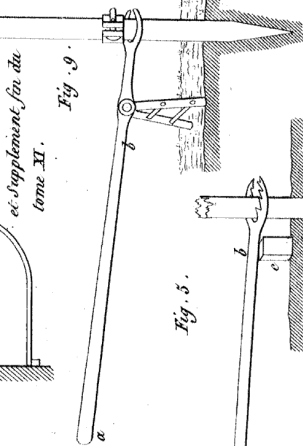


Fig. 5.

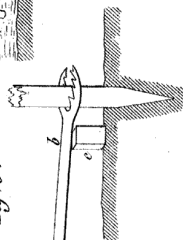


Fig. 11.

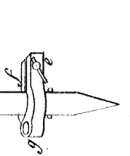


Fig. 10.

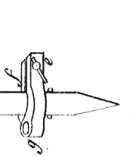


Fig. 8.

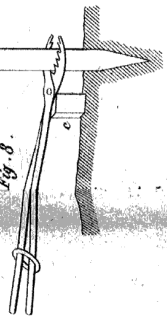
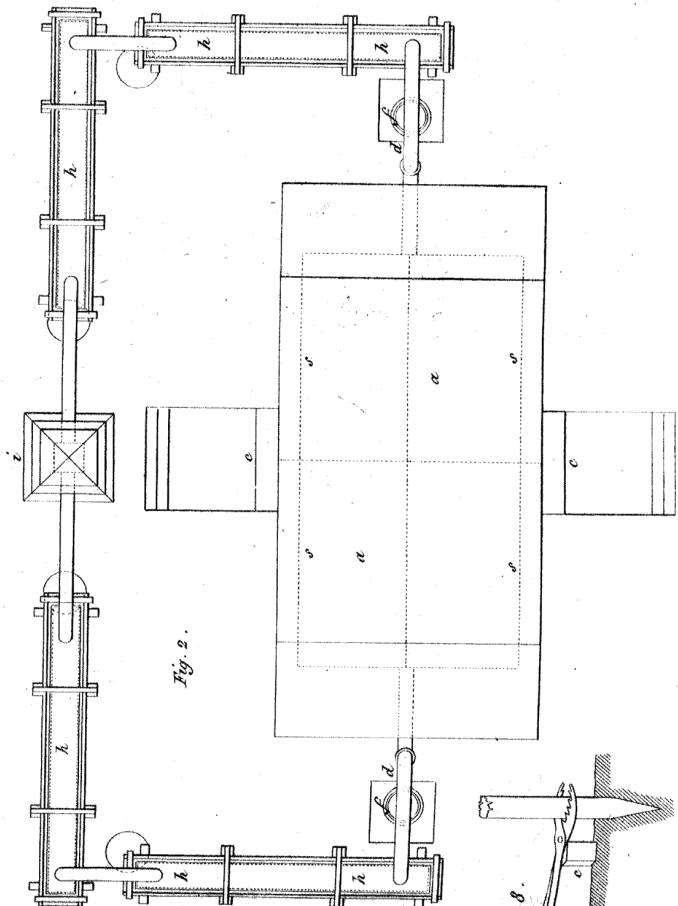


Fig. 2.





Incubation artificielle  
et régulateur du feu.

Fig. 1.

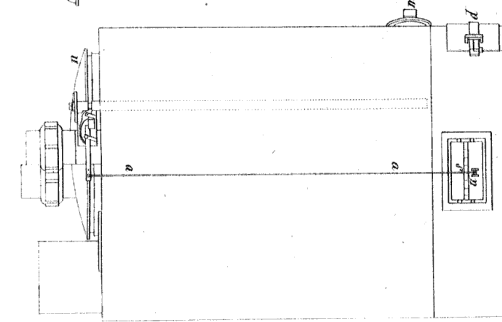


Fig. 3.

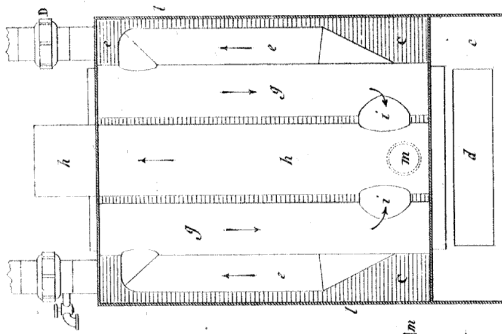


Fig. 5.

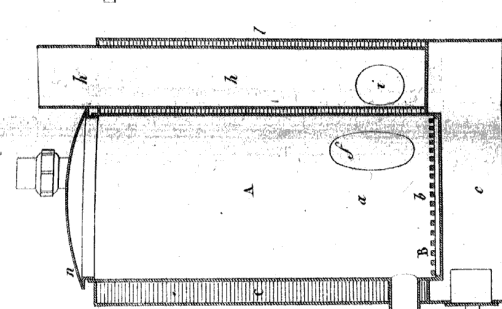


Fig. 6 et Fig. 11.

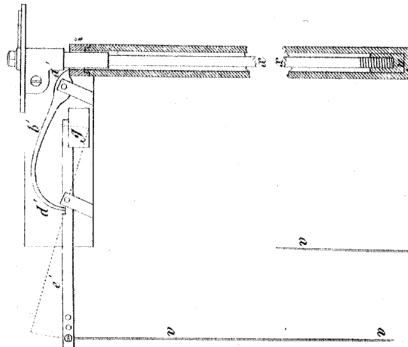


Fig. 7.

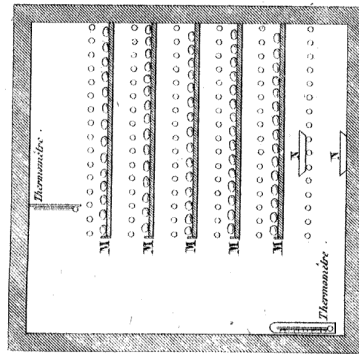
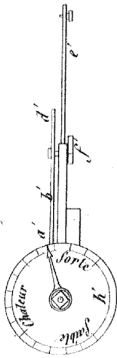


Fig. 2.

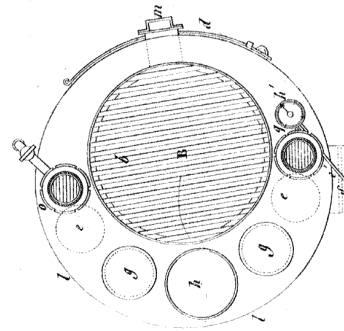


Fig. 4.

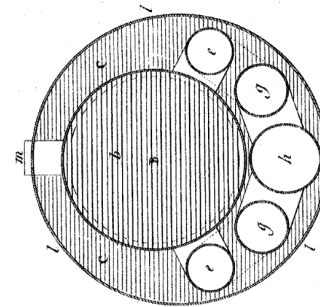


Fig. 8.

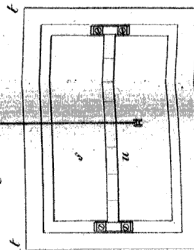


Fig. 9.

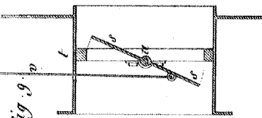
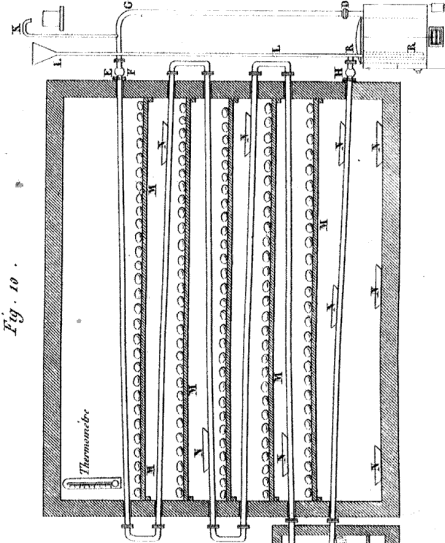
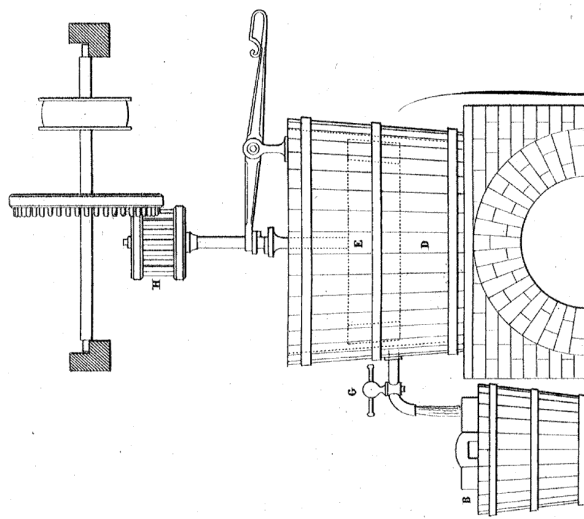


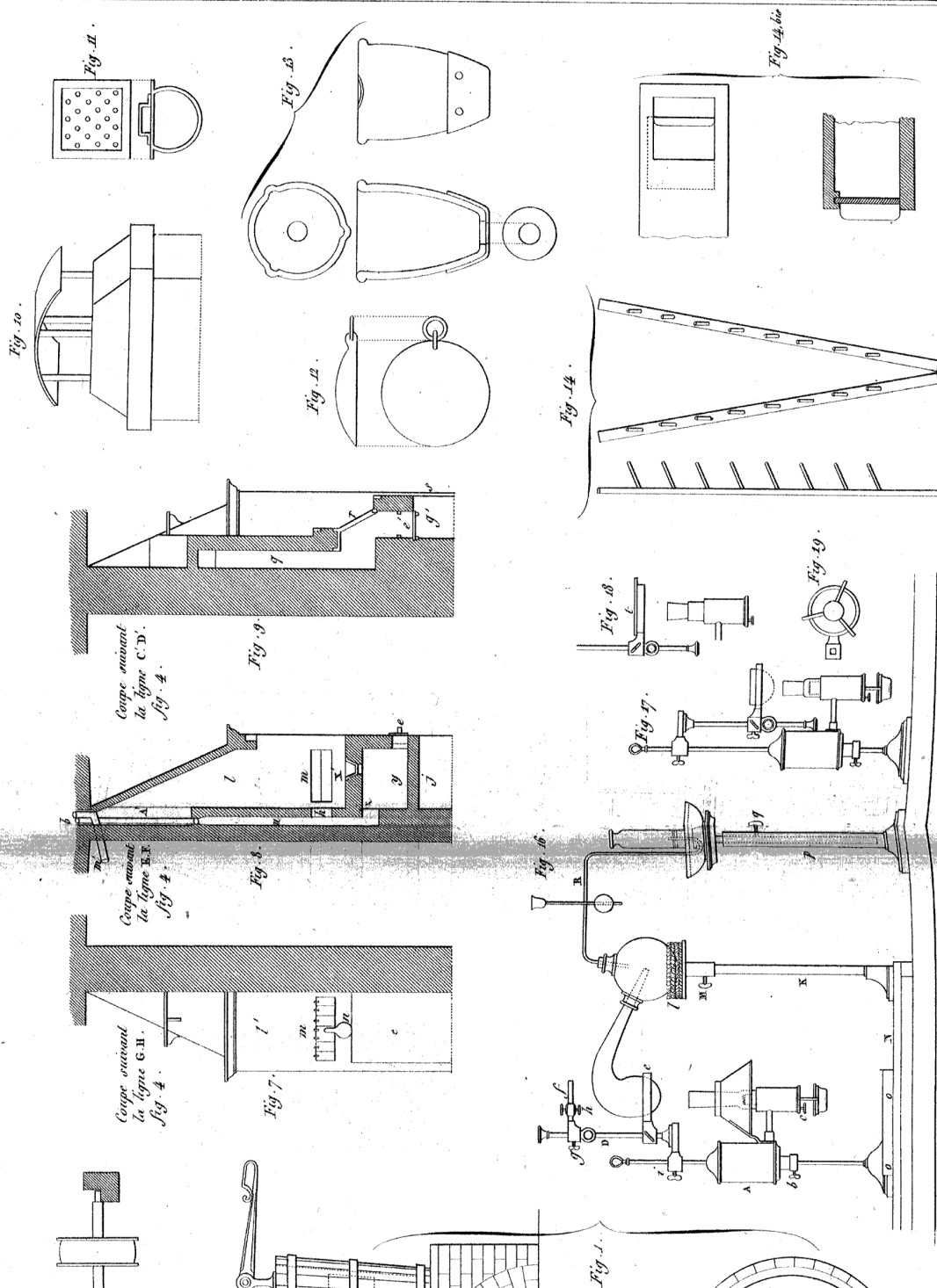
Fig. 10.



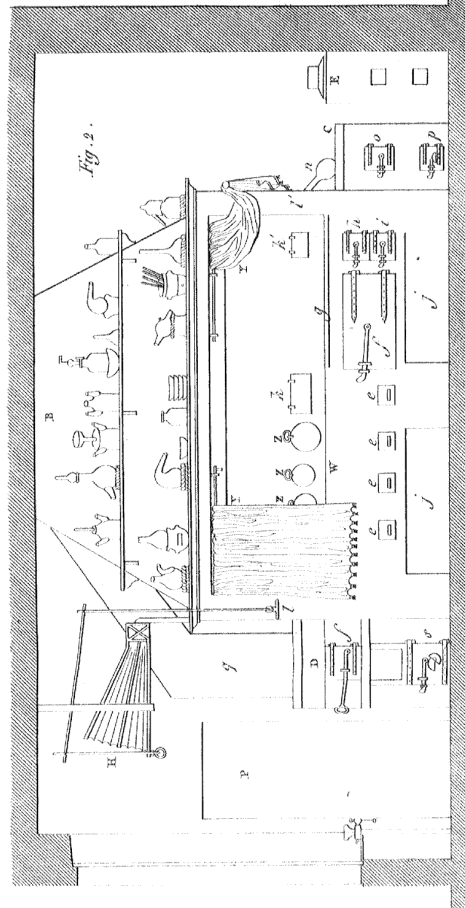
# Moulin pour broyer l'Indigo.



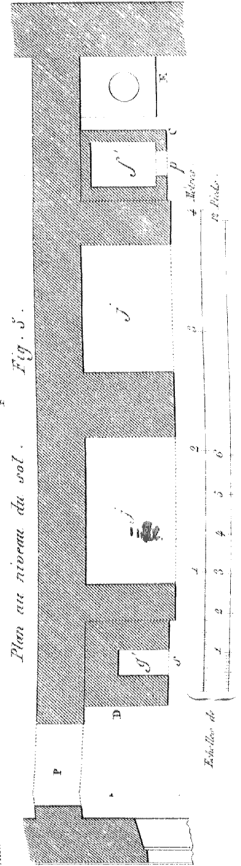
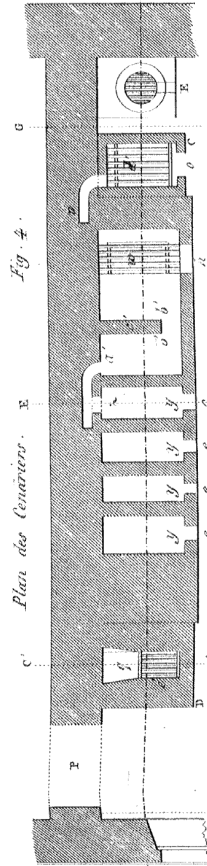
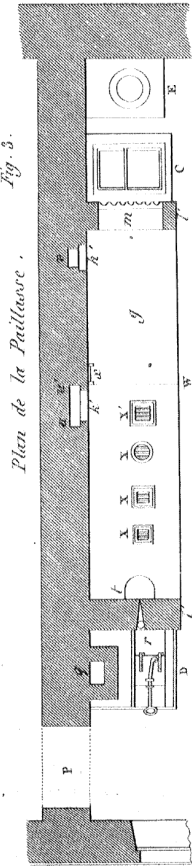
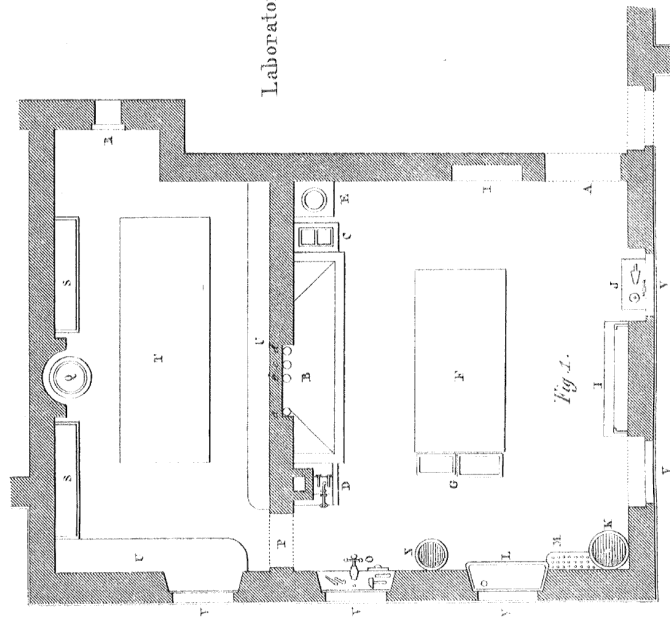
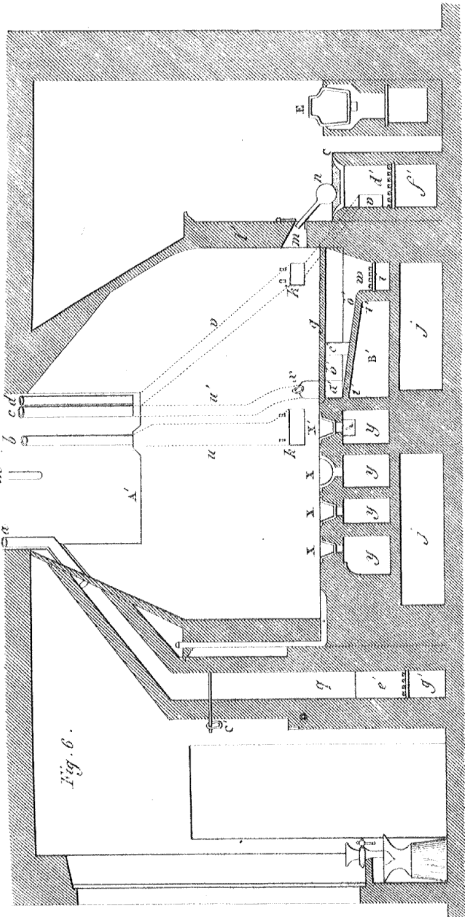
## Laboratoire de Chimie.



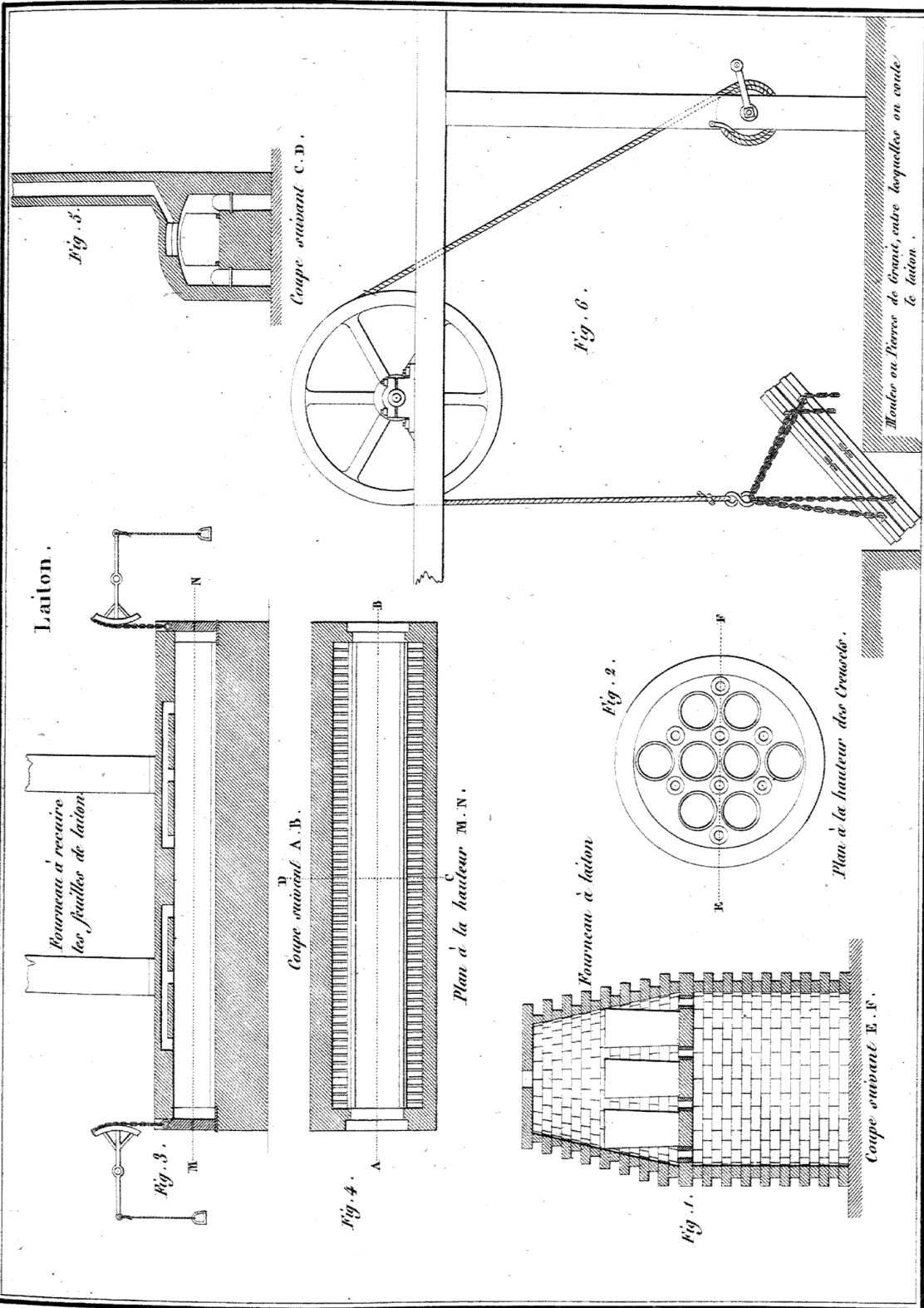
Laboratoire de Chimie.



Coupe vertical  
la ligne A-B, Fig. 4.



Échelle de 1 2 3 4 5 6



Provenant d'un bras par division.

Liège.

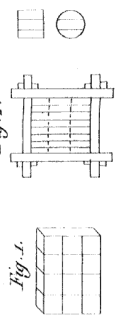


Fig. 1.

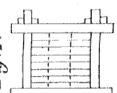


Fig. 2.

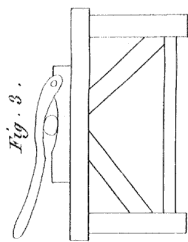


Fig. 3.

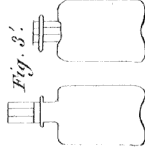


Fig. 3'.

Mastie.

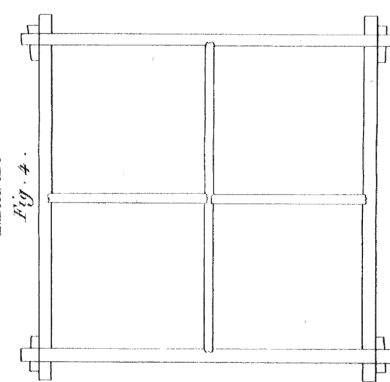


Fig. 4.

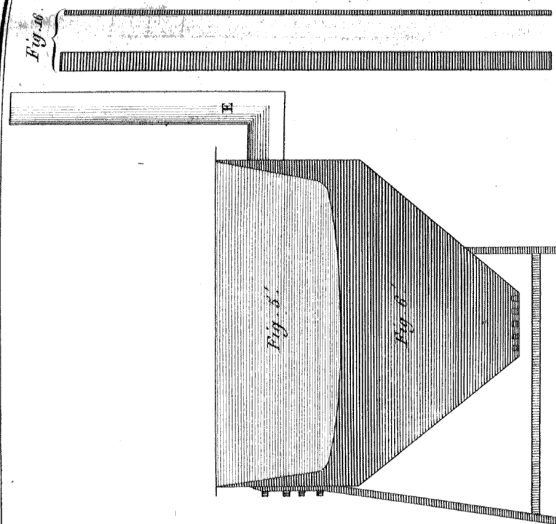
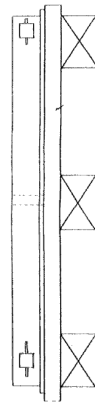


Fig. 5.

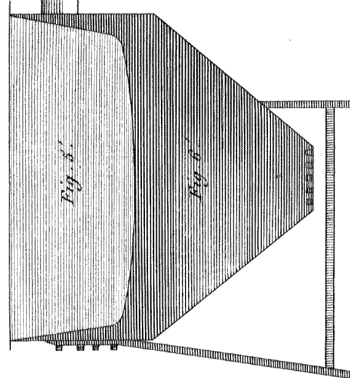


Fig. 5'.

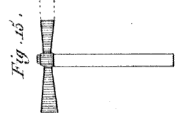


Fig. 6.

Fig. 6.

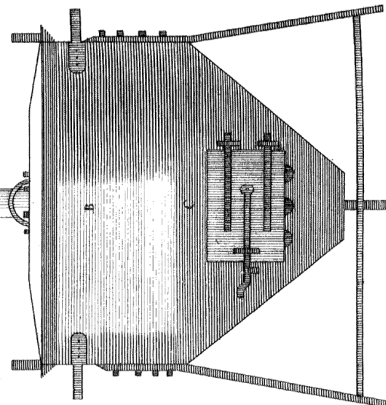


Fig. 6'.



Fig. 7.

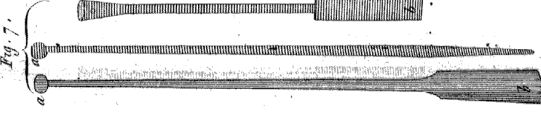


Fig. 7'.

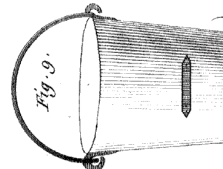


Fig. 8.

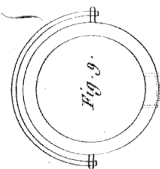


Fig. 8'.

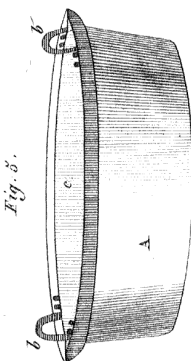


Fig. 9.

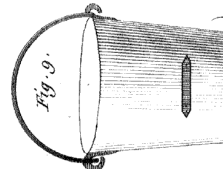


Fig. 9'.

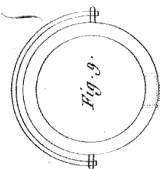


Fig. 9''.

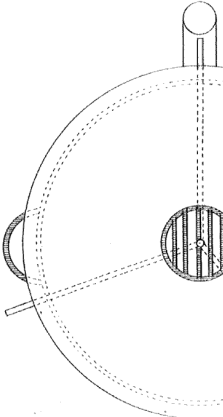


Fig. 10.



Fig. 10'.

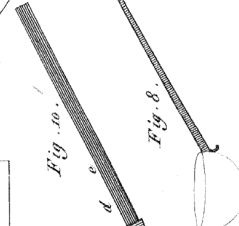


Fig. 11.

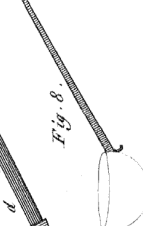


Fig. 11'.

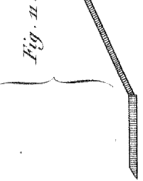


Fig. 12.

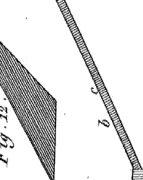


Fig. 12'.

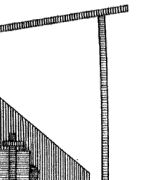


Fig. 12''.

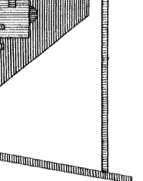


Fig. 12'''.

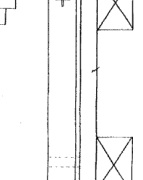


Fig. 12'''.

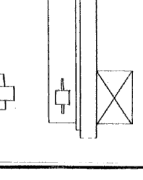


Fig. 12'''.

Orseille .

Fig. 3.

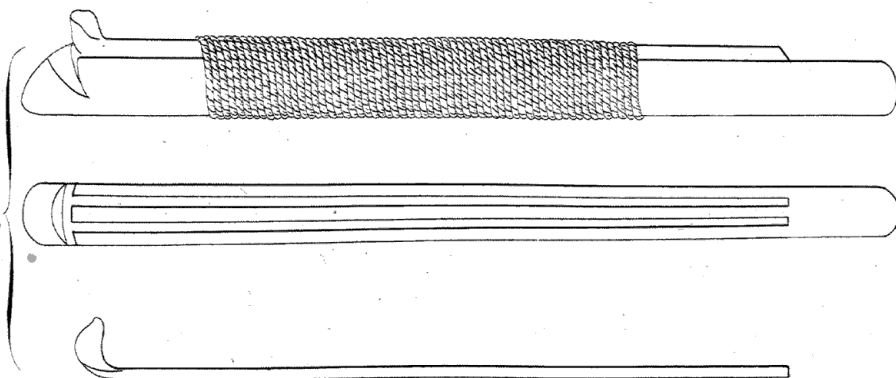


Fig. 3.

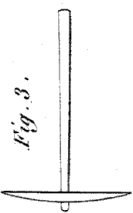
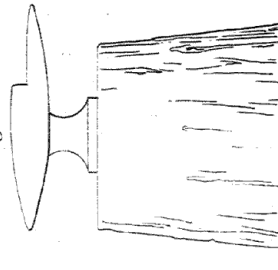
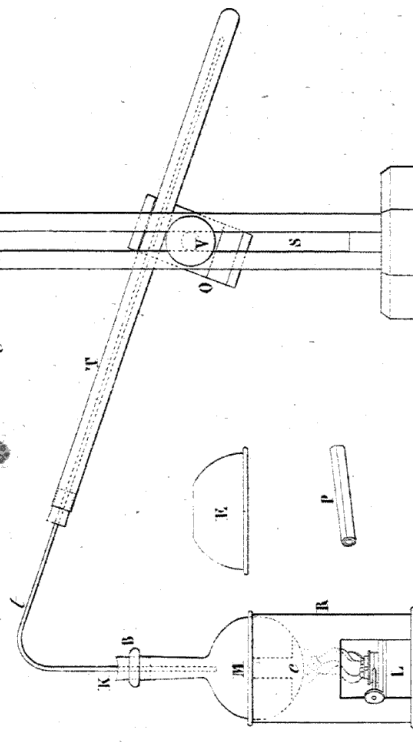


Fig. 4.



Manganèse .

Fig. 1.



Nitrate d'argent fondu .

Fig. 2.

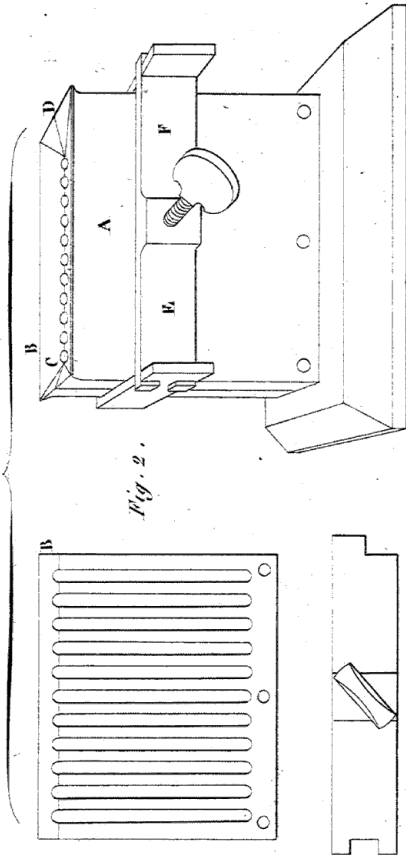


Fig. 1. Coupe.

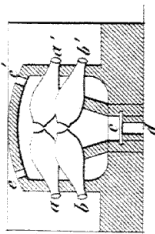


Fig. 2. Plan.

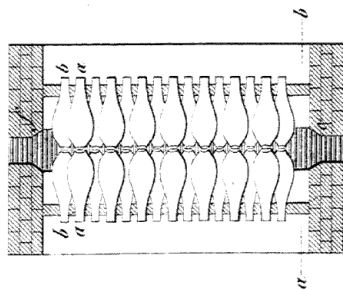


Fig. 3. Elevation.

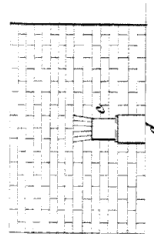


Fig. 7. Coupe verticale suivant i, m, n, o, p, de fig. 6.

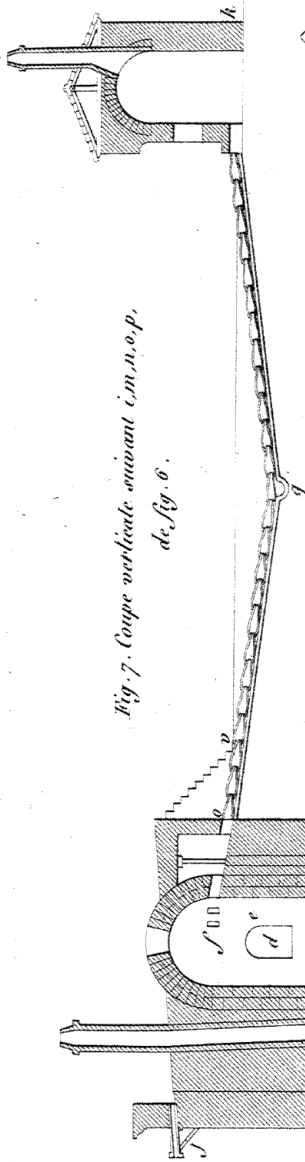


Fig. 5. Plan.

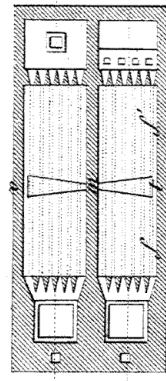


Fig. 4. Coupe suivant a, b, de fig. 5.

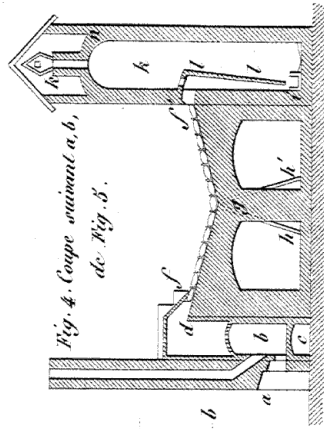
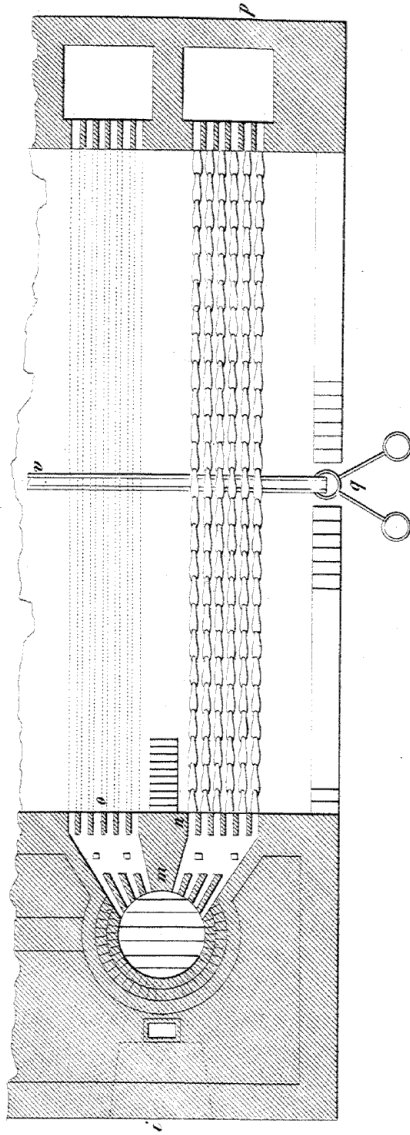


Fig. 6. Plan au niveau j, k, de fig. 7.



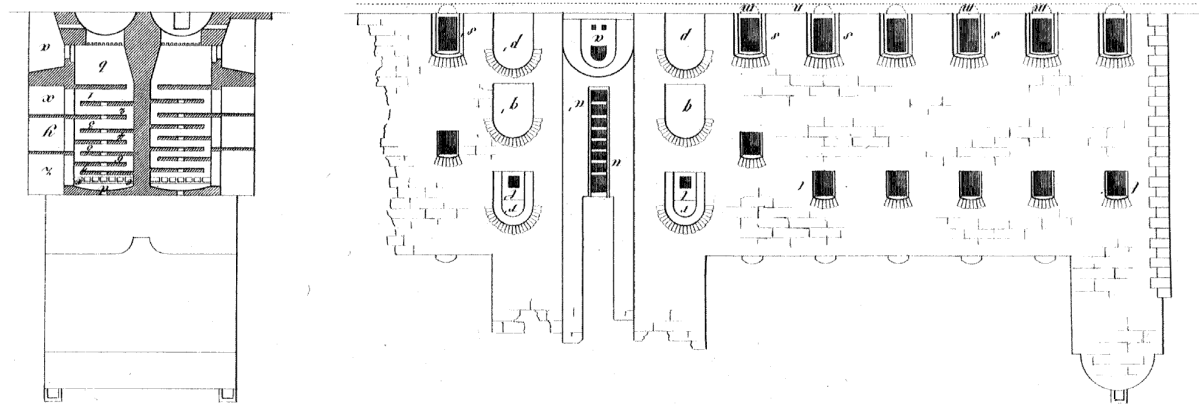
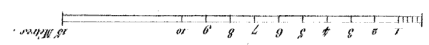


Fig. 3. Elevation antérieure suivant C.D. du Plan fig. 2.

Fig. 4. Coupe verticale suivant E.E. de Fig. 2.

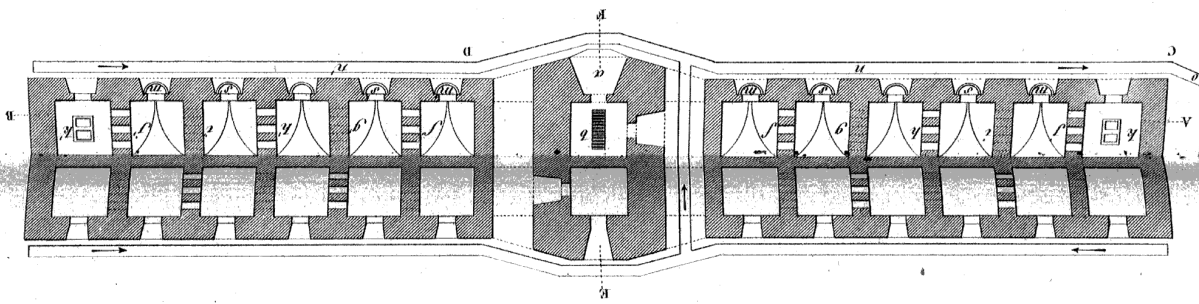


Fig. 2. Plan général de l'un des appareils distillatoires dont se compose l'usine d'altra en Cornouaille.

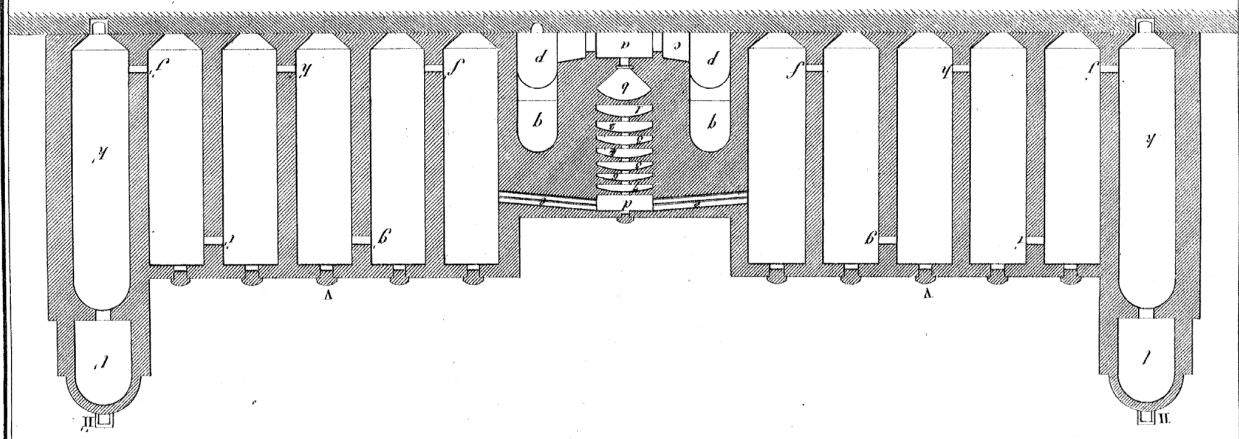


Fig. 1. Coupe verticale suivant A.B. du Plan Fig. 2.

Traitement du Mercure



**Métallurgie.**  
(Préparation mécanique des Minerais.)

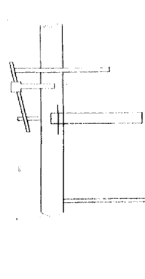


Fig. 1.

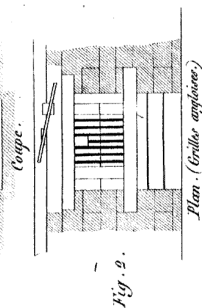


Fig. 2.

Plan. (Orillos anglais.)

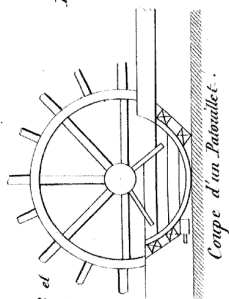


Fig. 3 et 4.

Coupe d'un Palanet.

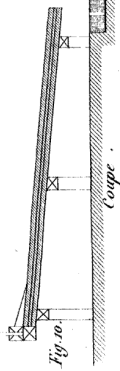


Fig. 10.

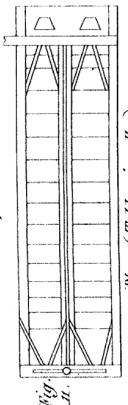


Fig. 11.

Plan (Tables janelles.)

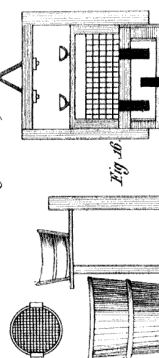


Fig. 16.

Cribles.

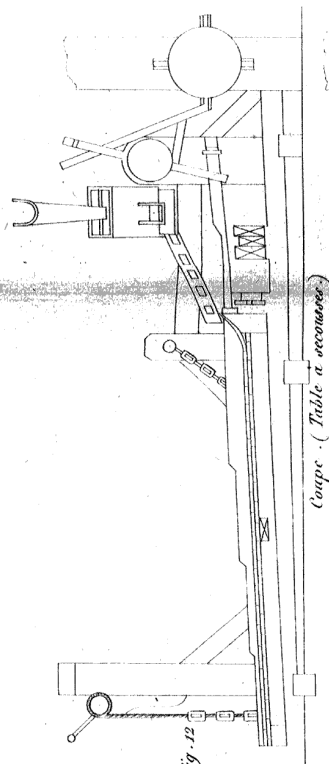


Fig. 12.

Coupe. (Table à secouer.)

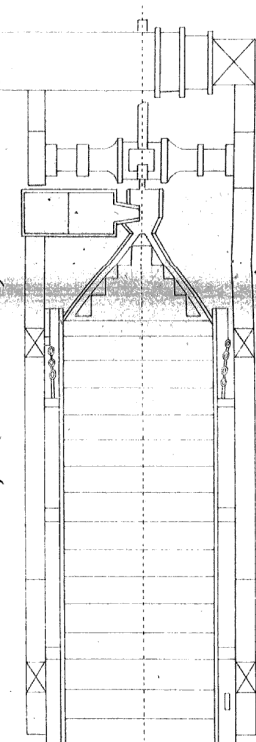


Fig. 12 bis.

Plan.

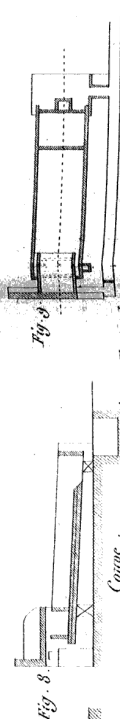


Fig. 8.

Coupe.

Casse alternante

Plan.

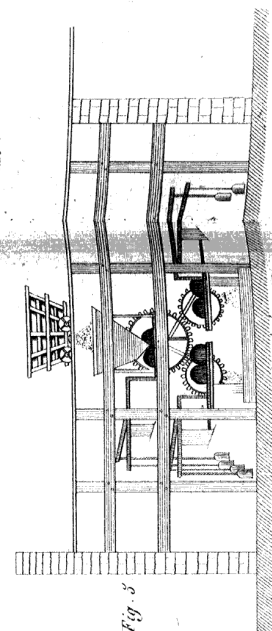


Fig. 5.

Machine à verser.

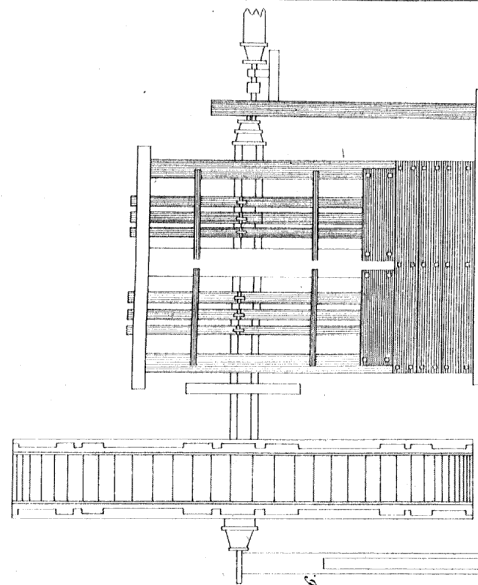


Fig. 6.

Elevation. (Bocard.)

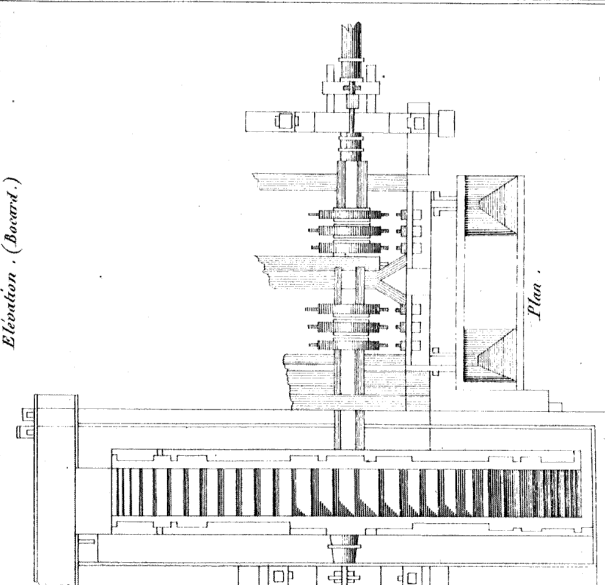


Fig. 7.

Plan.

Mines (Exploitation des)

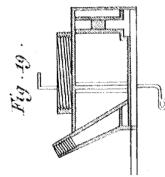
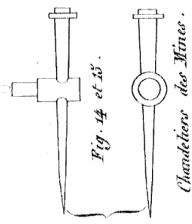
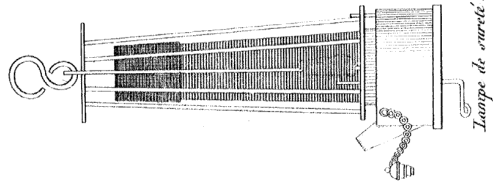
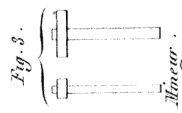
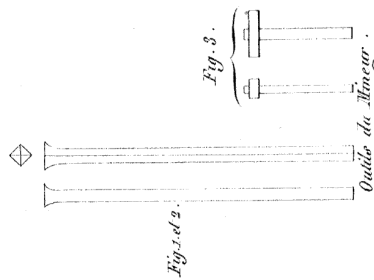


Fig. 7.

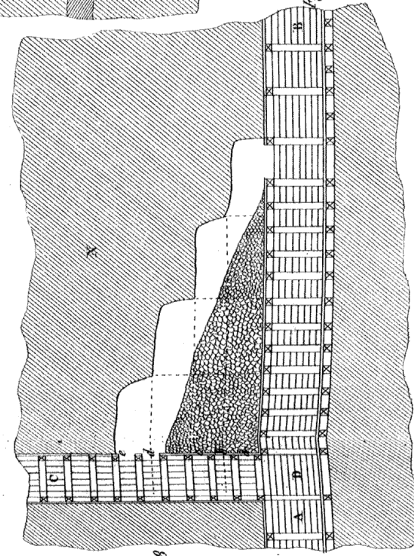
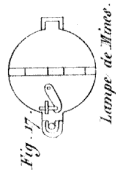
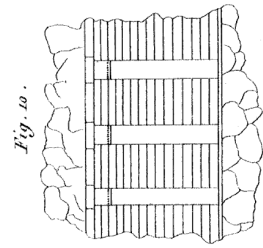
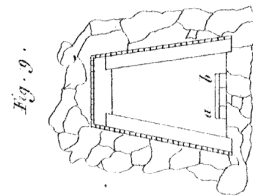
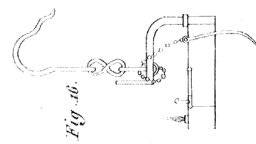
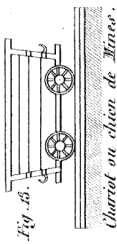
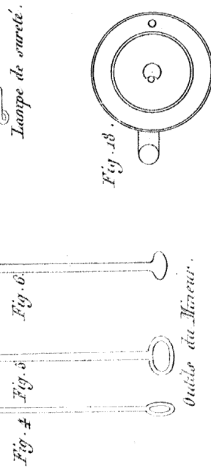
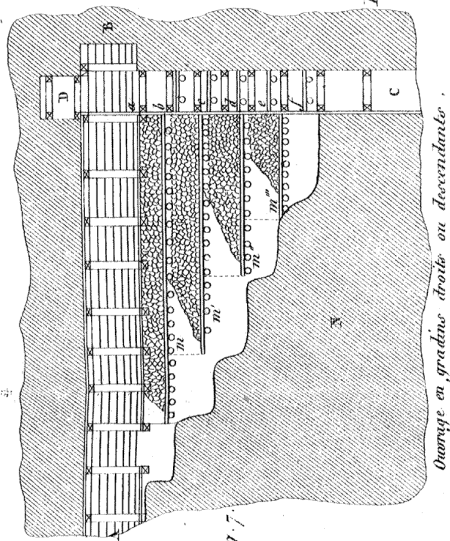
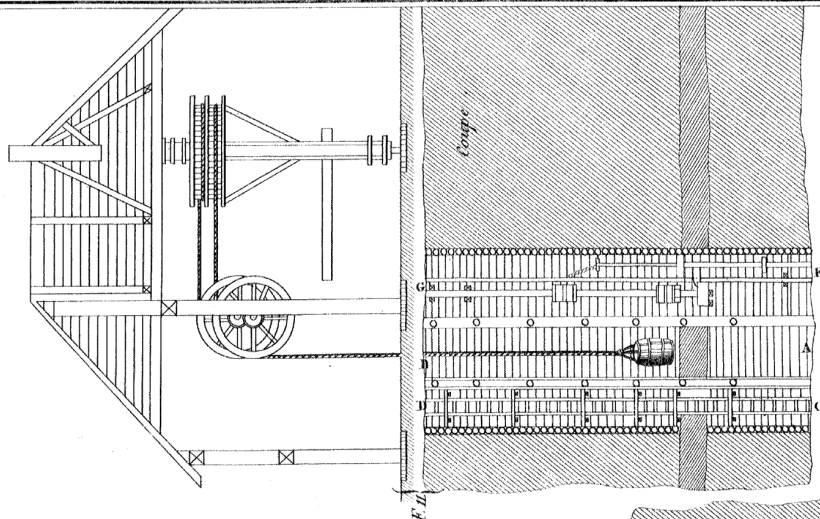
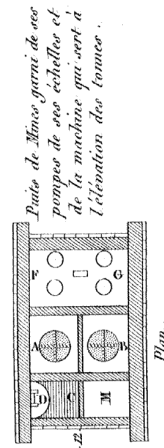


Fig. 8.



Pl. 50

Fig. 1.

Mortiers.

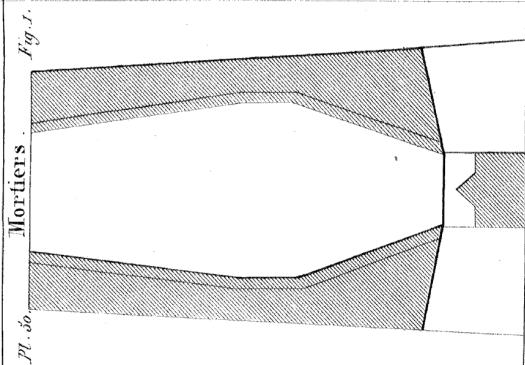


Fig. 4.

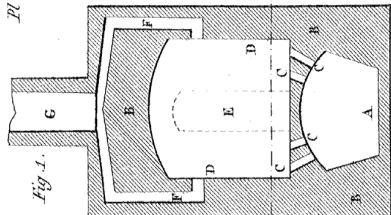
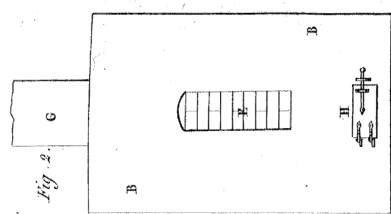


Fig. 2.



Noirs.

Fig. 4.

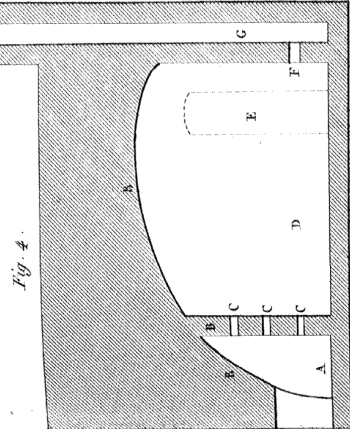


Fig. 3.

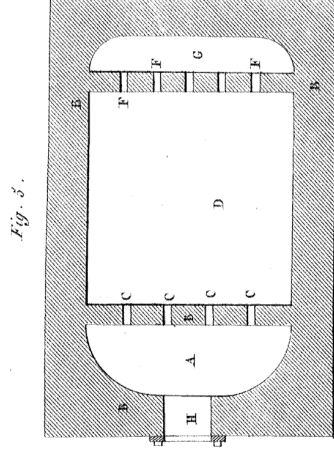


Fig. 3.

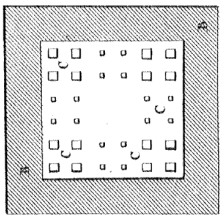


Fig. 6.

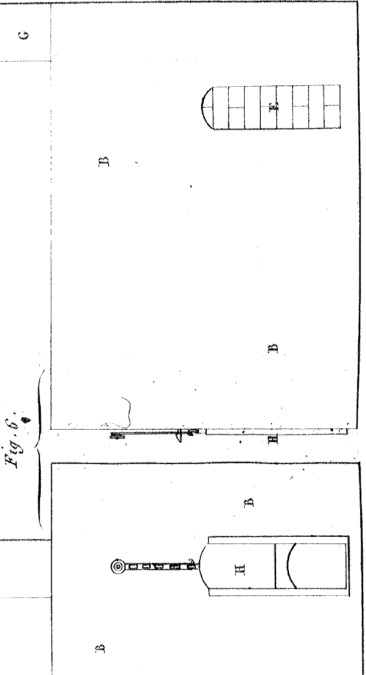


Fig. 8.

Fig. 14.

Fig. 10.

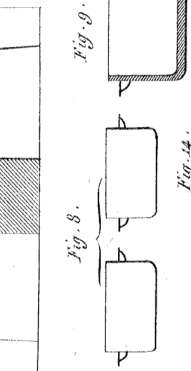


Fig. 9.

Fig. 11.

Fig. 12.

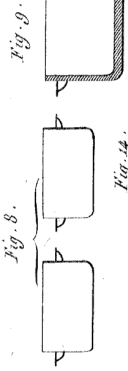


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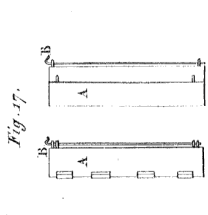


Fig. 11.

Fig. 12.

Fig. 10.

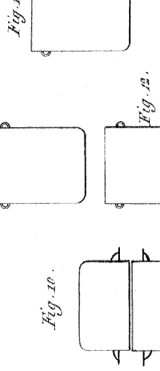


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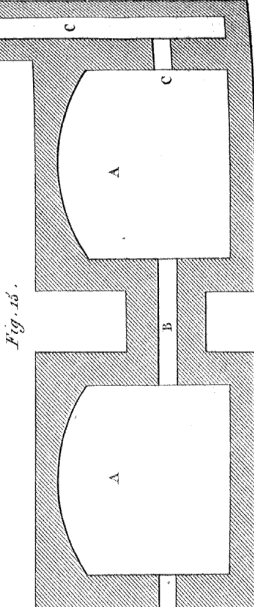


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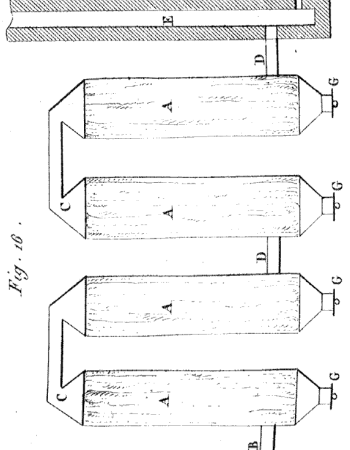
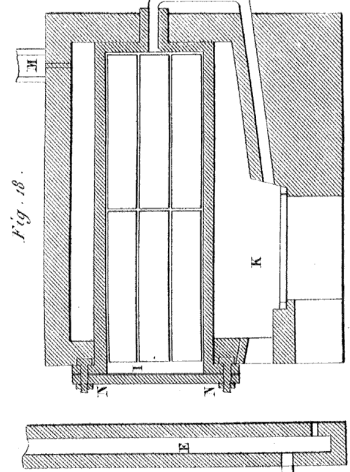
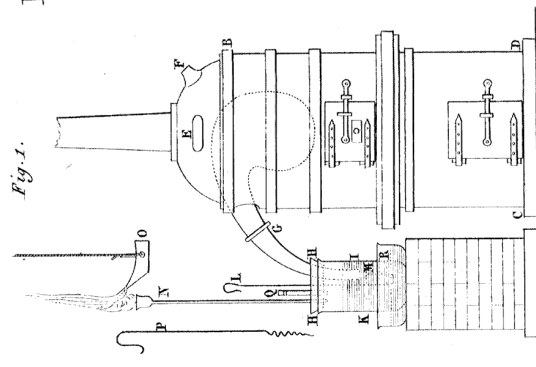


Fig. 18.



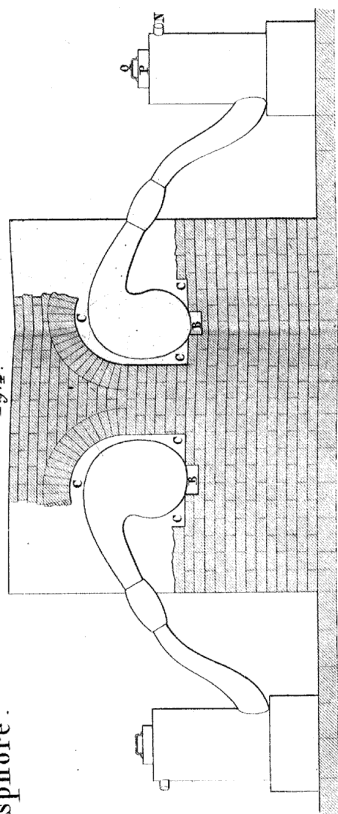
# Phosphore.

Fig. 1.



Coupe sur la ligne A.B.

Fig. 4.



Plan

Fig. 3.

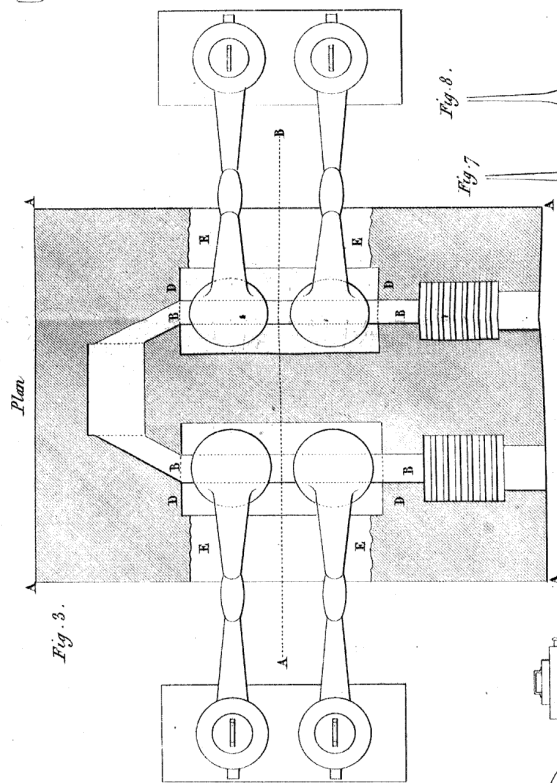


Fig. 2.

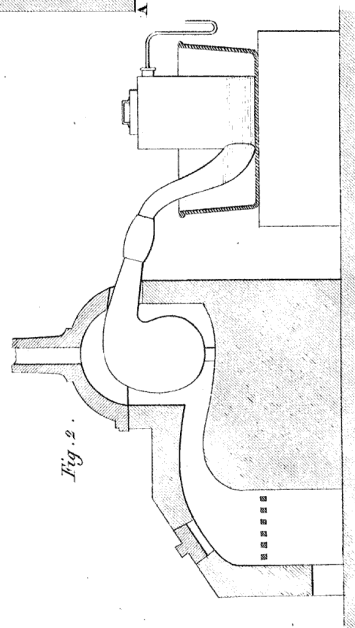


Fig. 5.

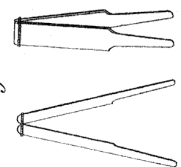
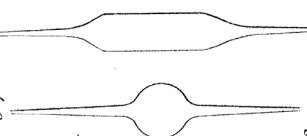


Fig. 6.



Fig. 8.

Fig. 7.



Pipettes

# Potassium

Fig. 9.

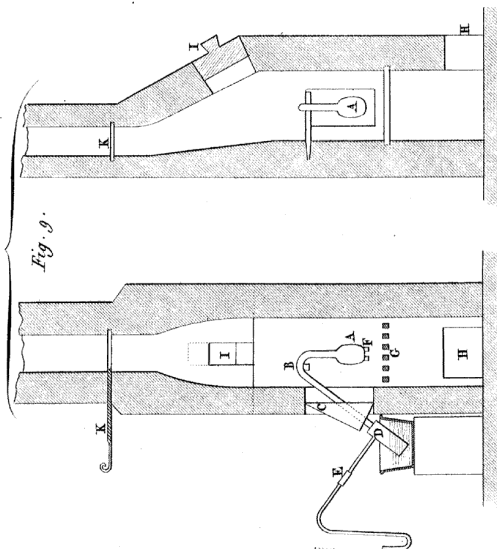


Fig. 10.

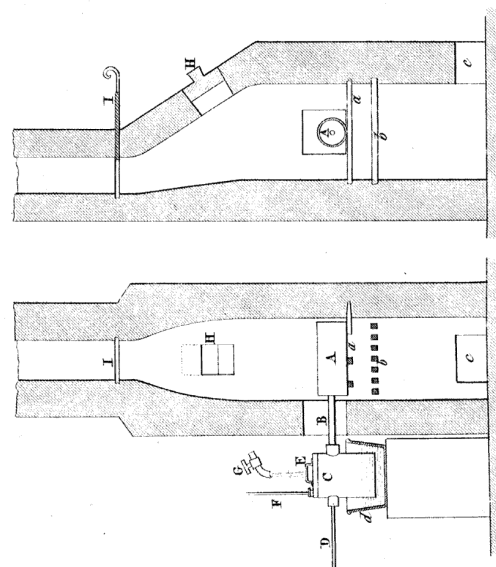


Fig. 8. Moulin à tauter et polir les agates.

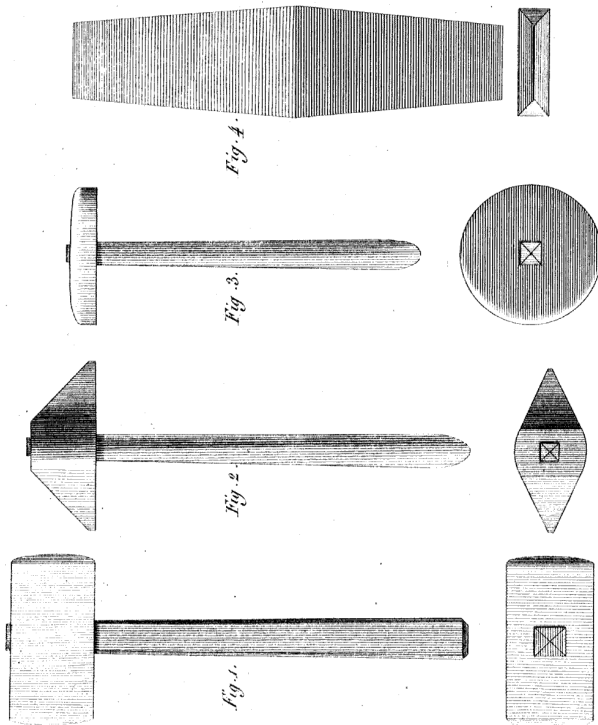
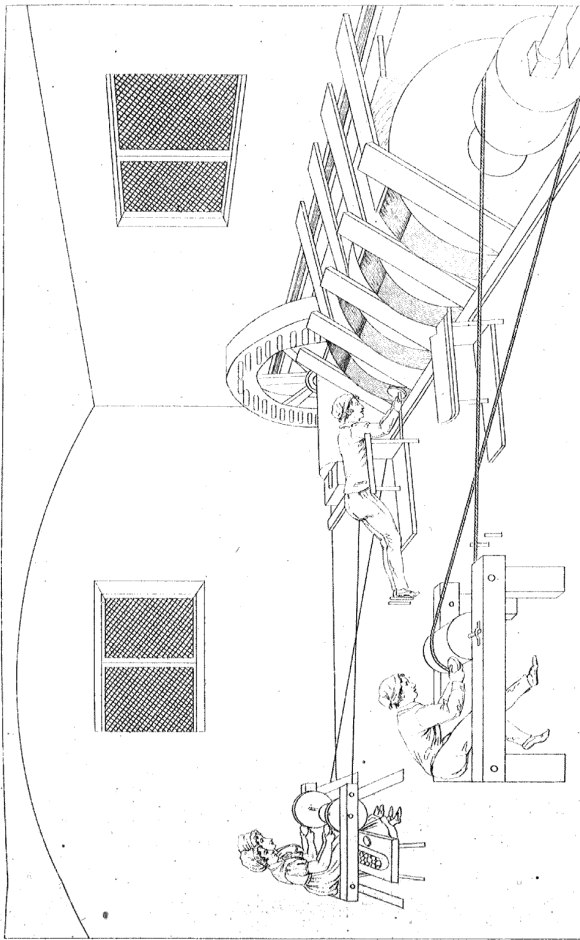


Fig. 5.

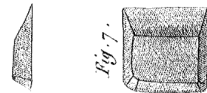
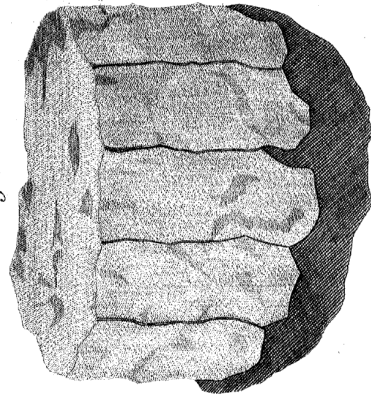


Fig. 7.

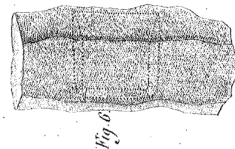


Fig. 6.

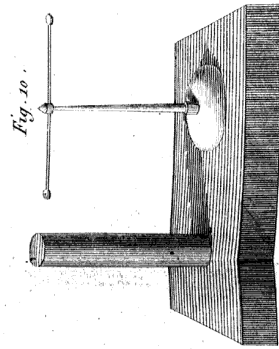


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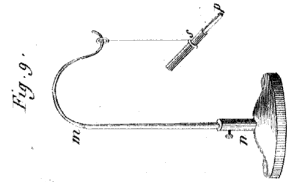
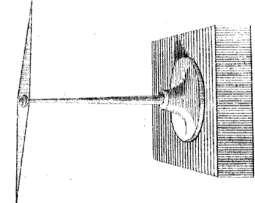
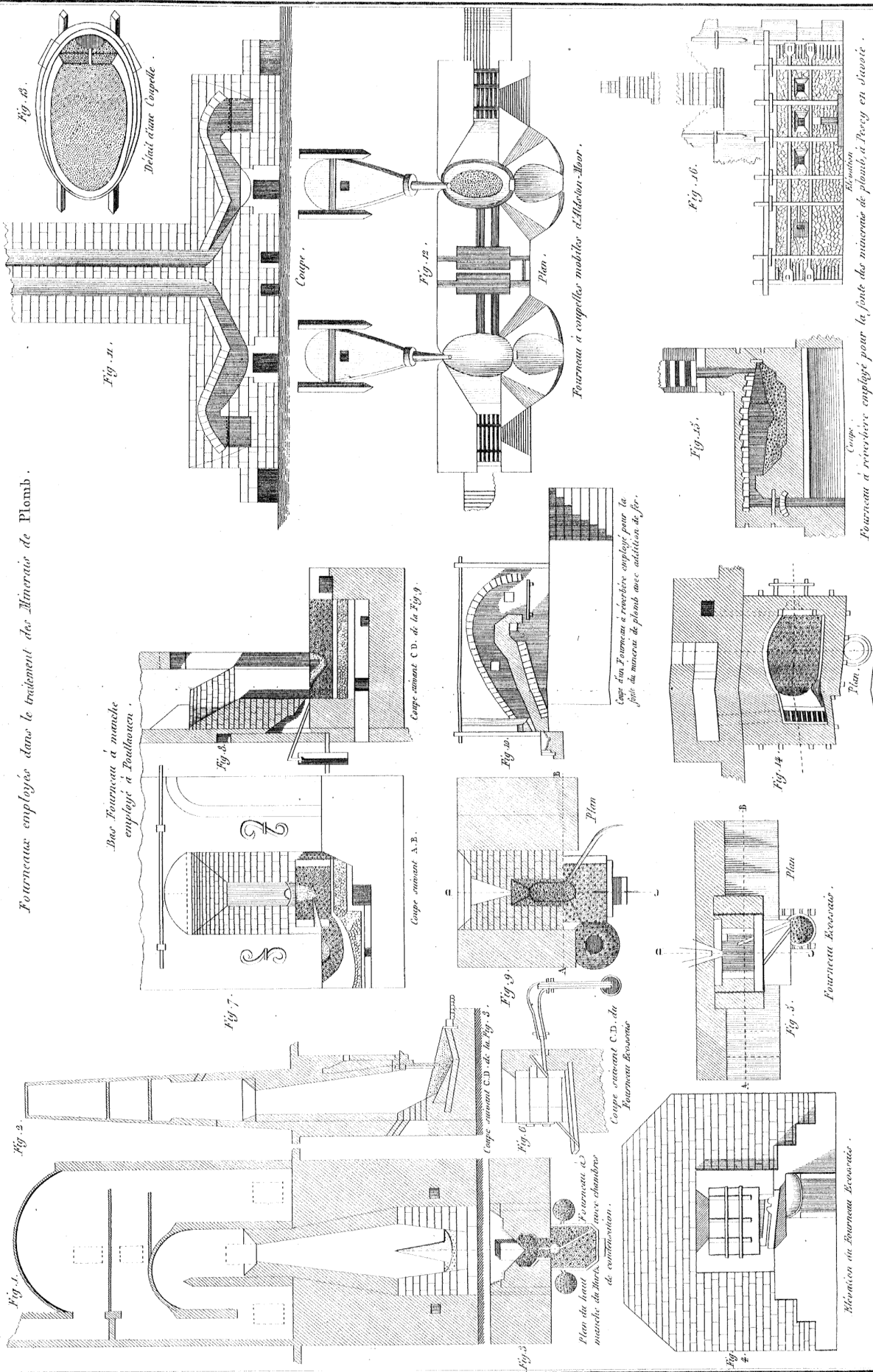


Fig. 9.

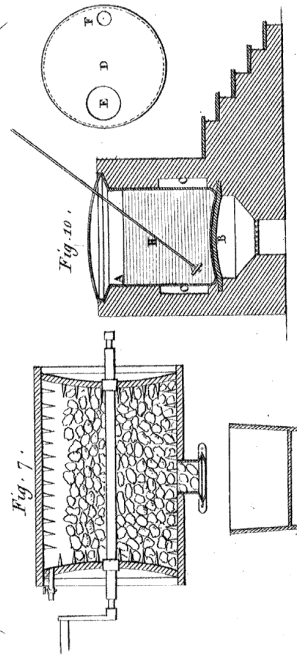


Fourneaux employés dans le traitement des Minerais de Plomb.





Pomme de terre.



Plaire.

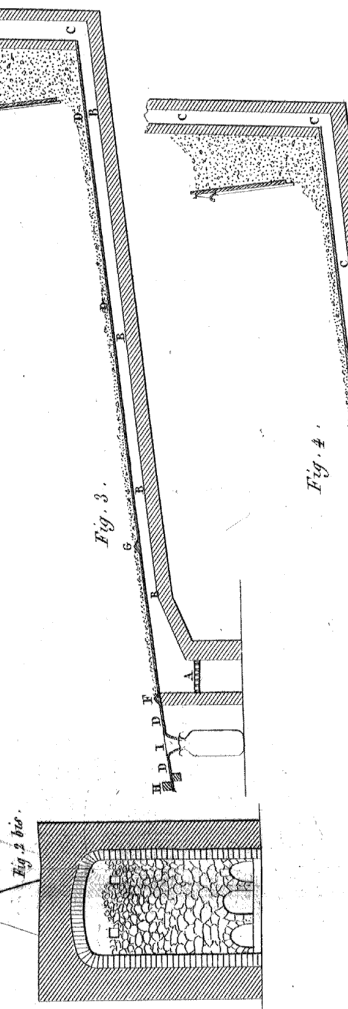


Fig. 9.

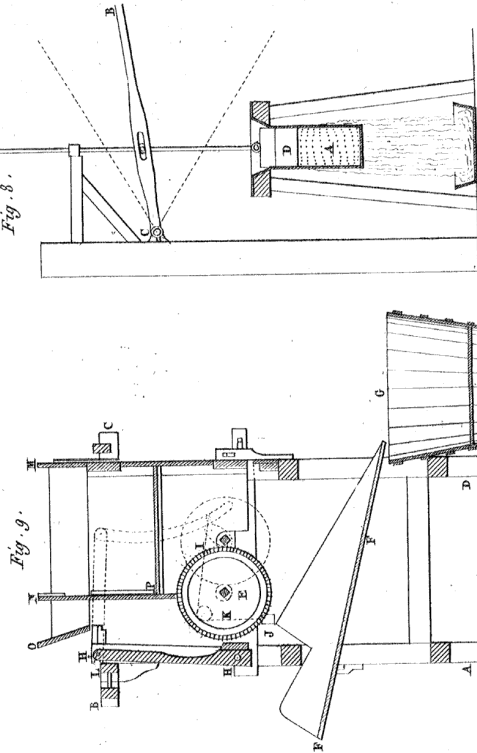


Fig. 11.

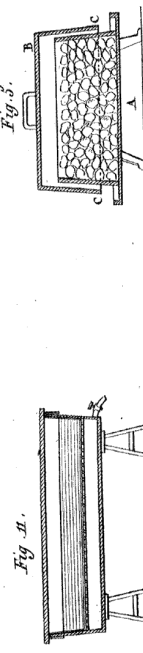
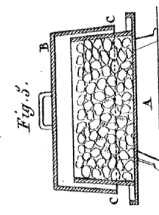
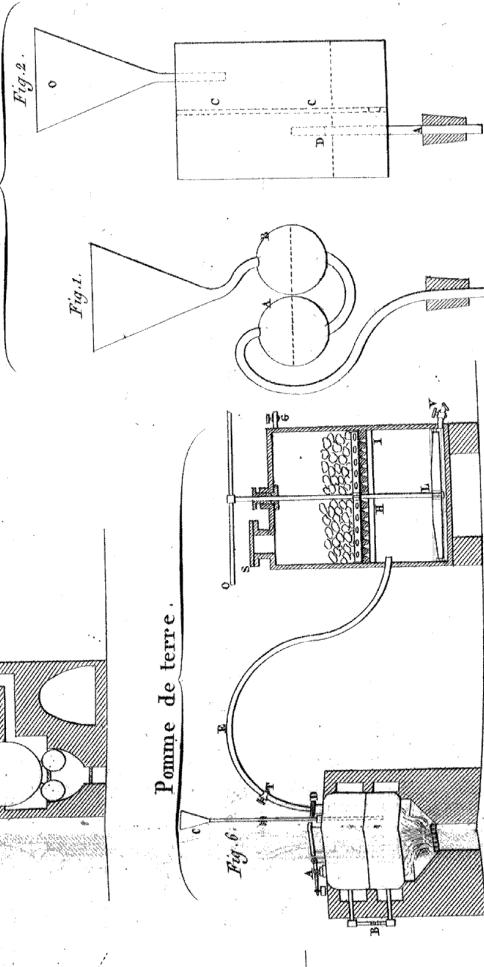


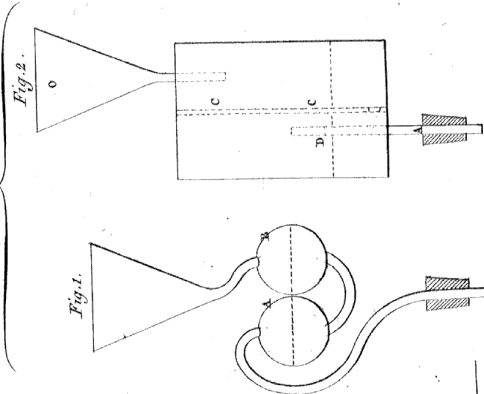
Fig. 5.



Pomme de terre.



Piquette.



Peinture vitrifiable.

Fig. 2.

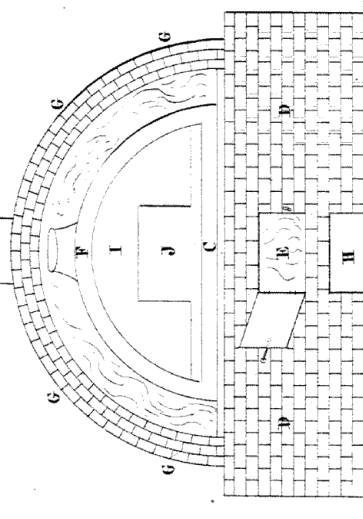


Fig. 3.

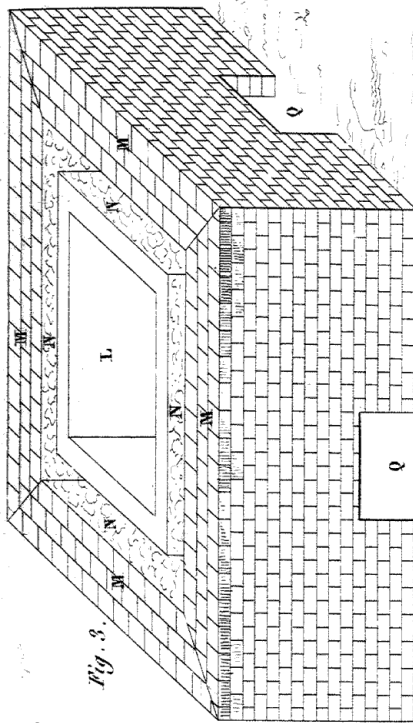


Fig. 4.

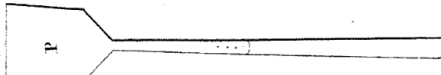


Fig. 6.

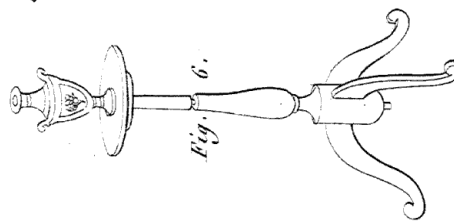


Fig. 5.

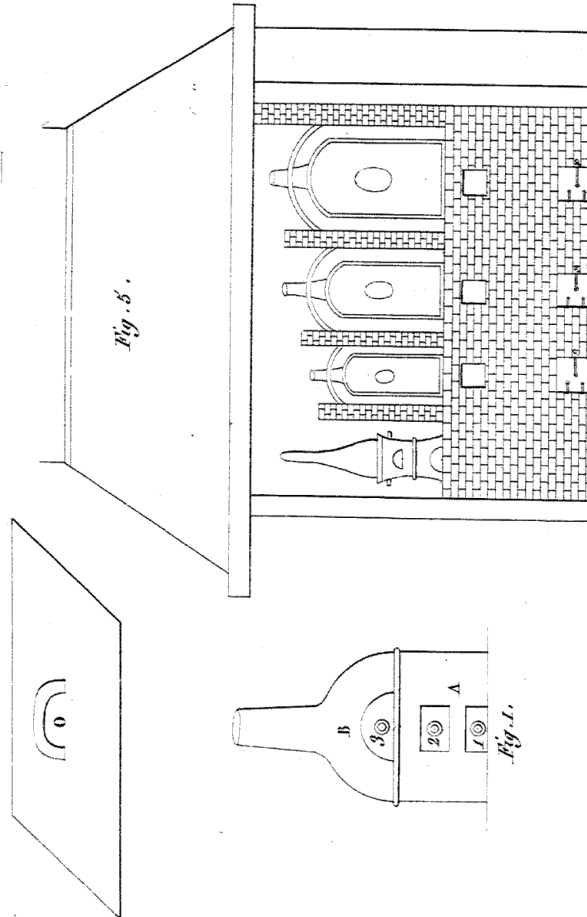
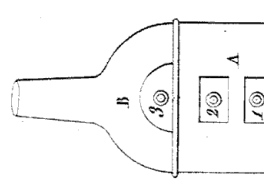
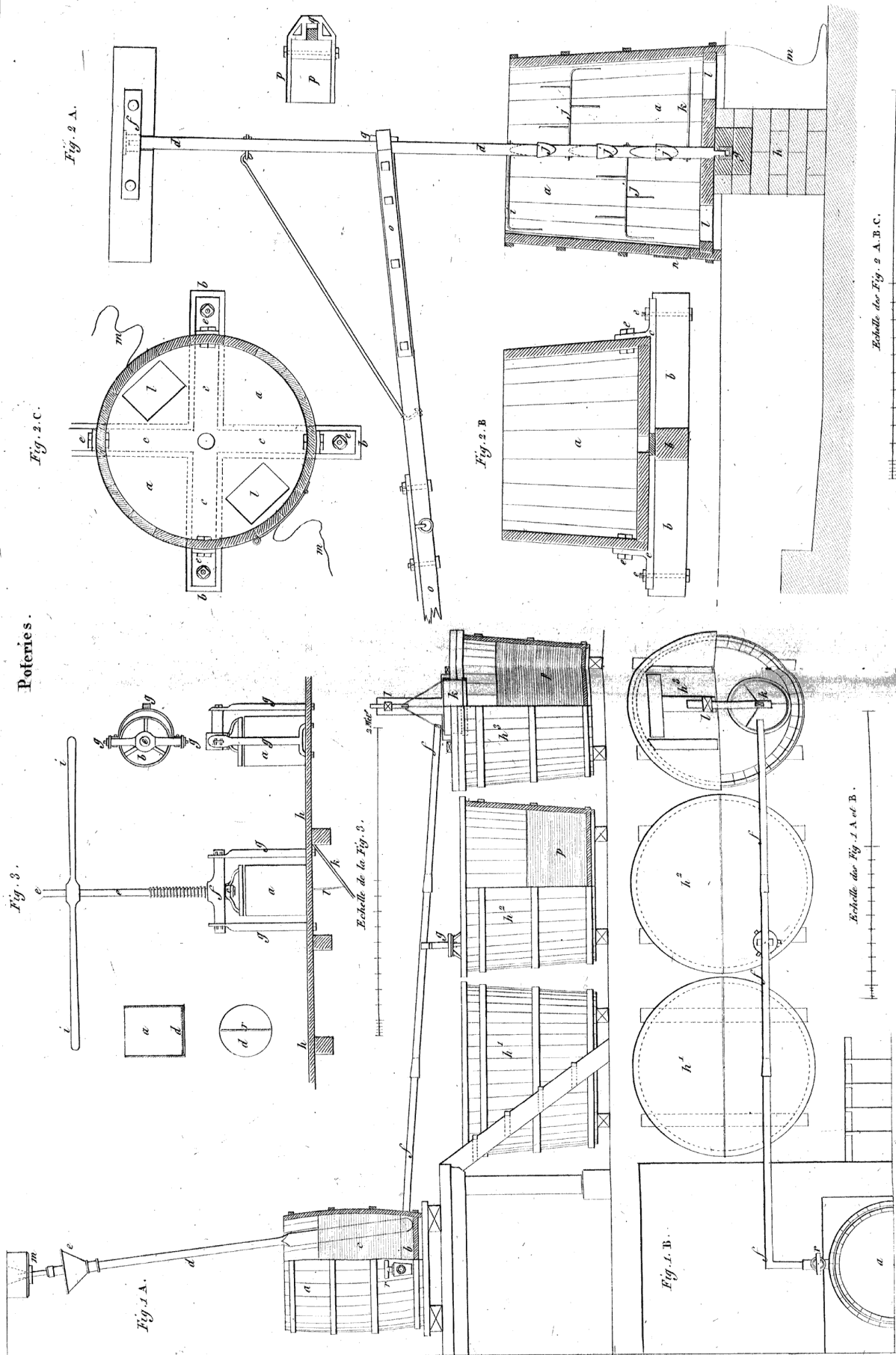


Fig. 1.





Poteries.



Poteries.

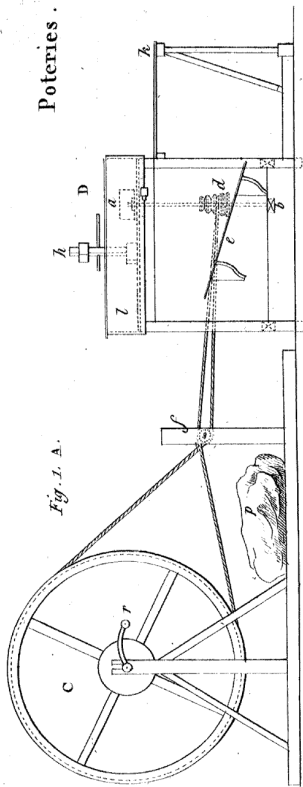


Fig. 1. A.

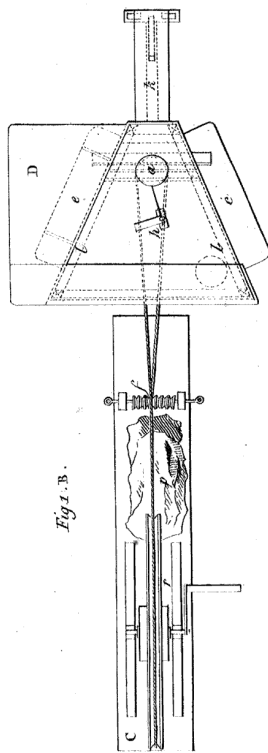


Fig. 1. B.

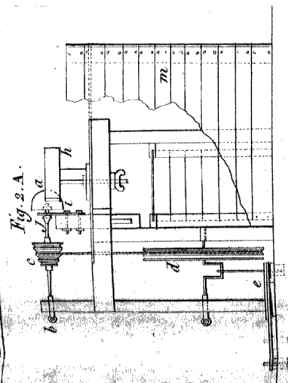


Fig. 2. A.

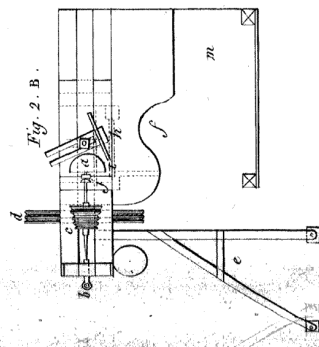


Fig. 2. B.

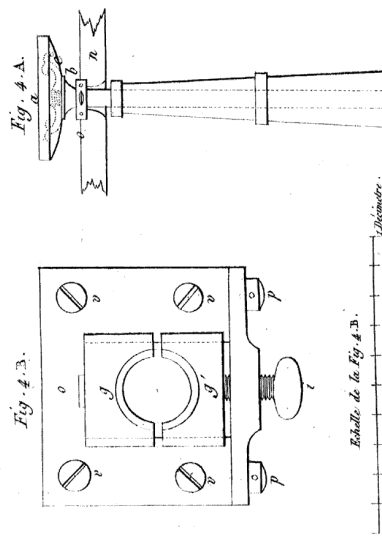


Fig. 4. A.

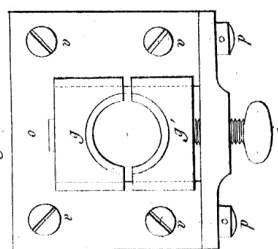


Fig. 4. B.

Echelle de la Fig. 4. B.

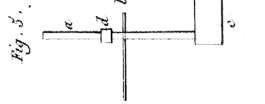


Fig. 3. A.

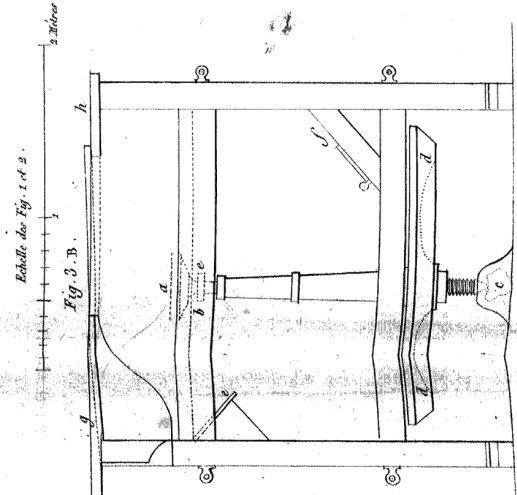
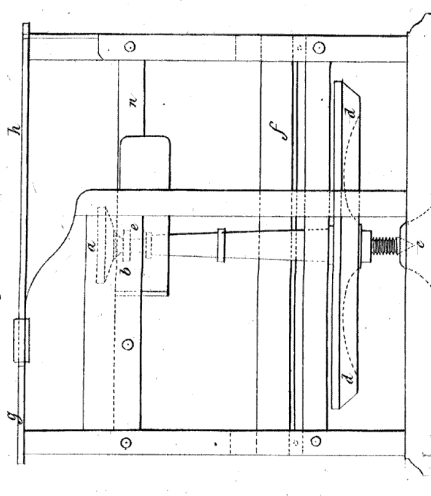


Fig. 3. B.

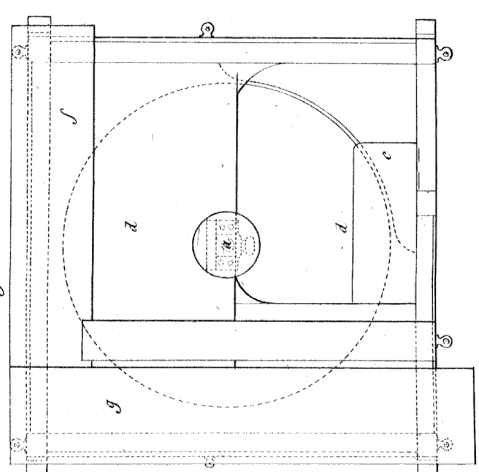
Echelle des Fig. 1 et 2.

Fig. 3. A.



Echelle des Fig. 3.

Fig. 3. C.



Echelle de la Fig. 4. A.

Projeté par Lefebvre, Gravé par Willot.

Poteries.

Fig. 1.

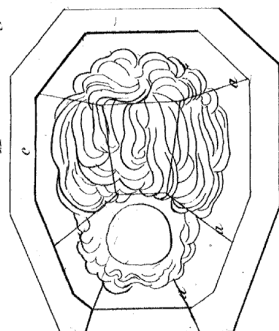


Fig. 2.

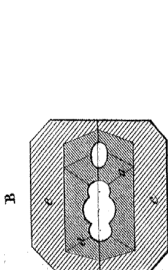
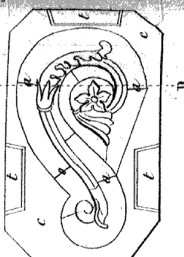


Fig. 3.

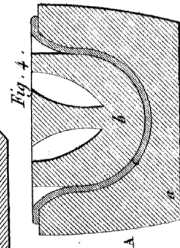


Fig. 4.

Fig. 5.

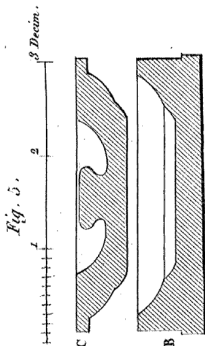


Fig. 6.

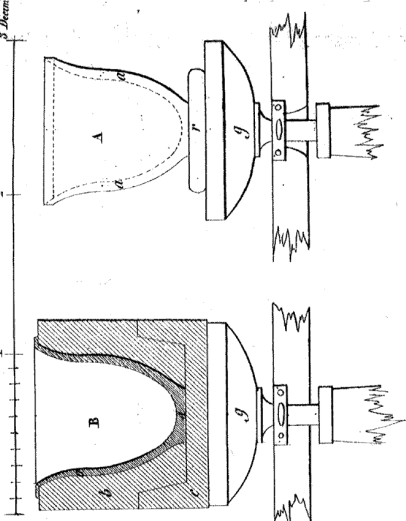


Fig. 7.

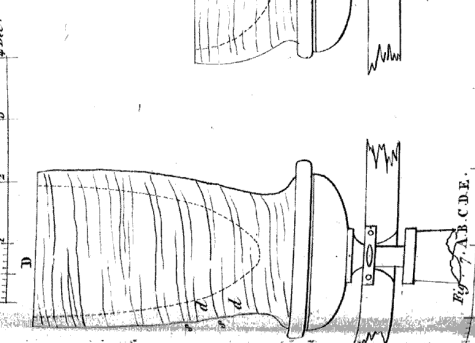


Fig. 8.

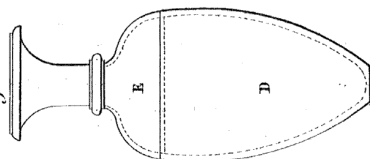


Fig. 9.

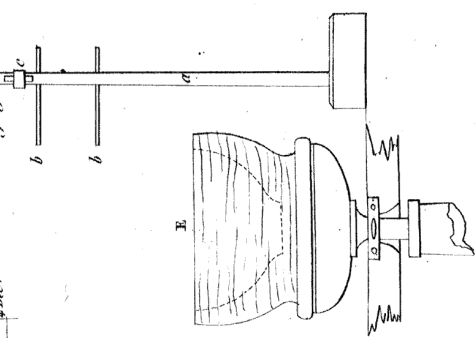


Fig. 10.

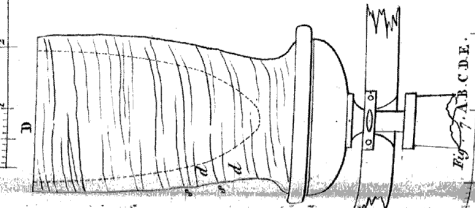


Fig. 11.

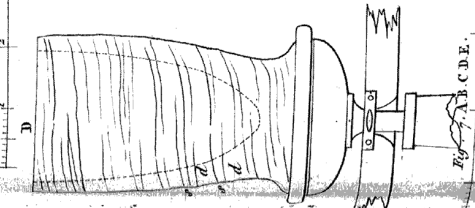


Fig. 12.

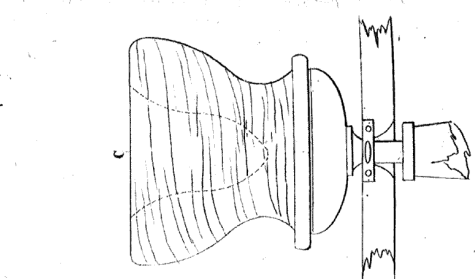


Fig. 13.

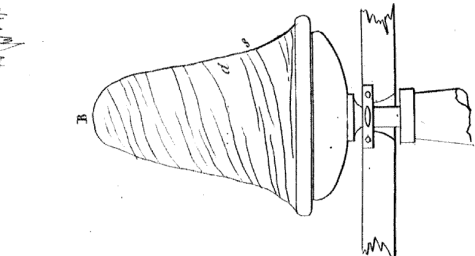
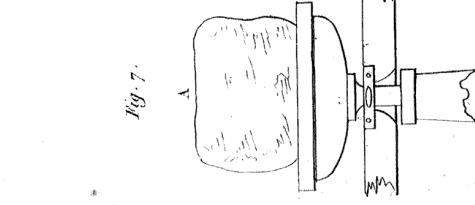
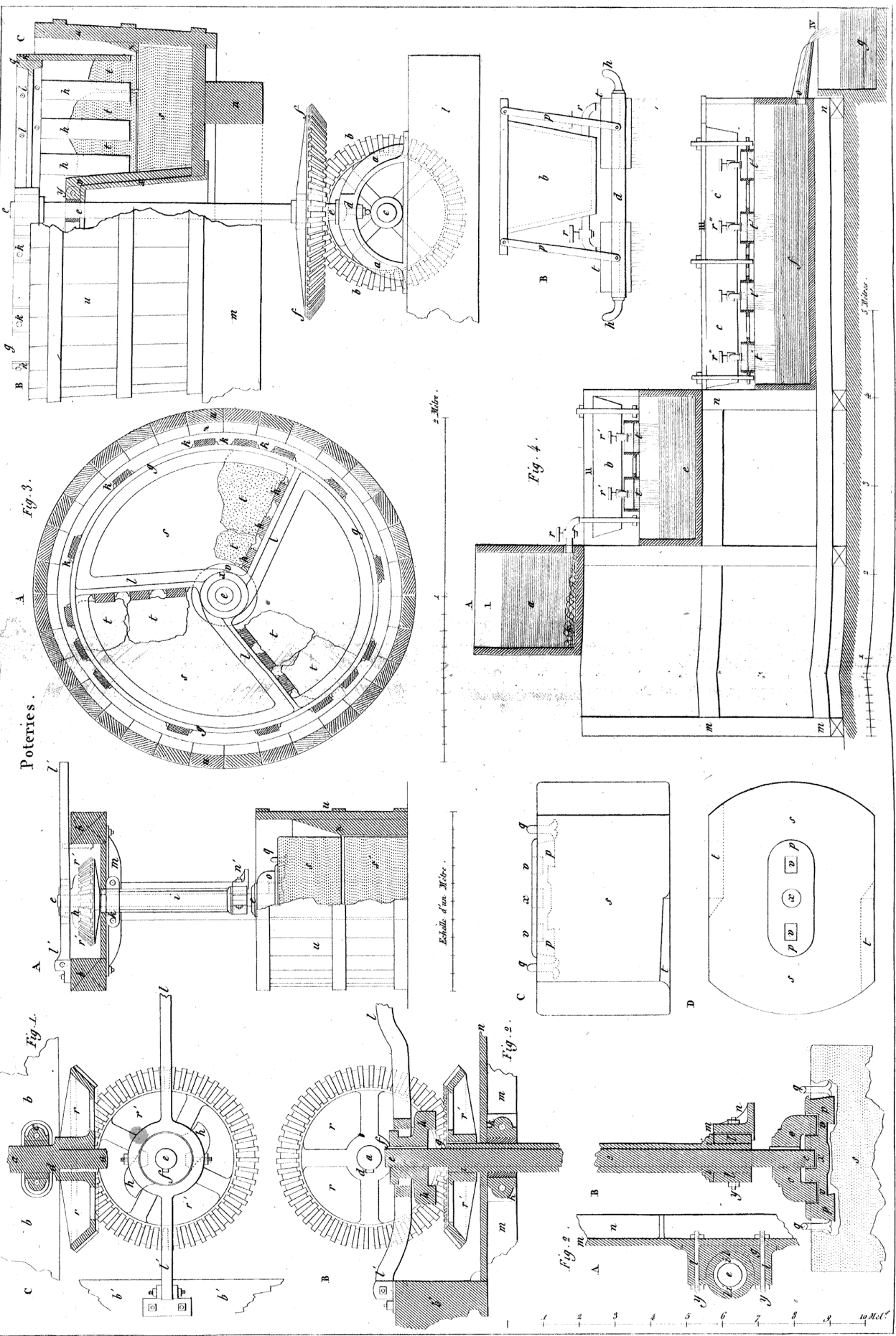
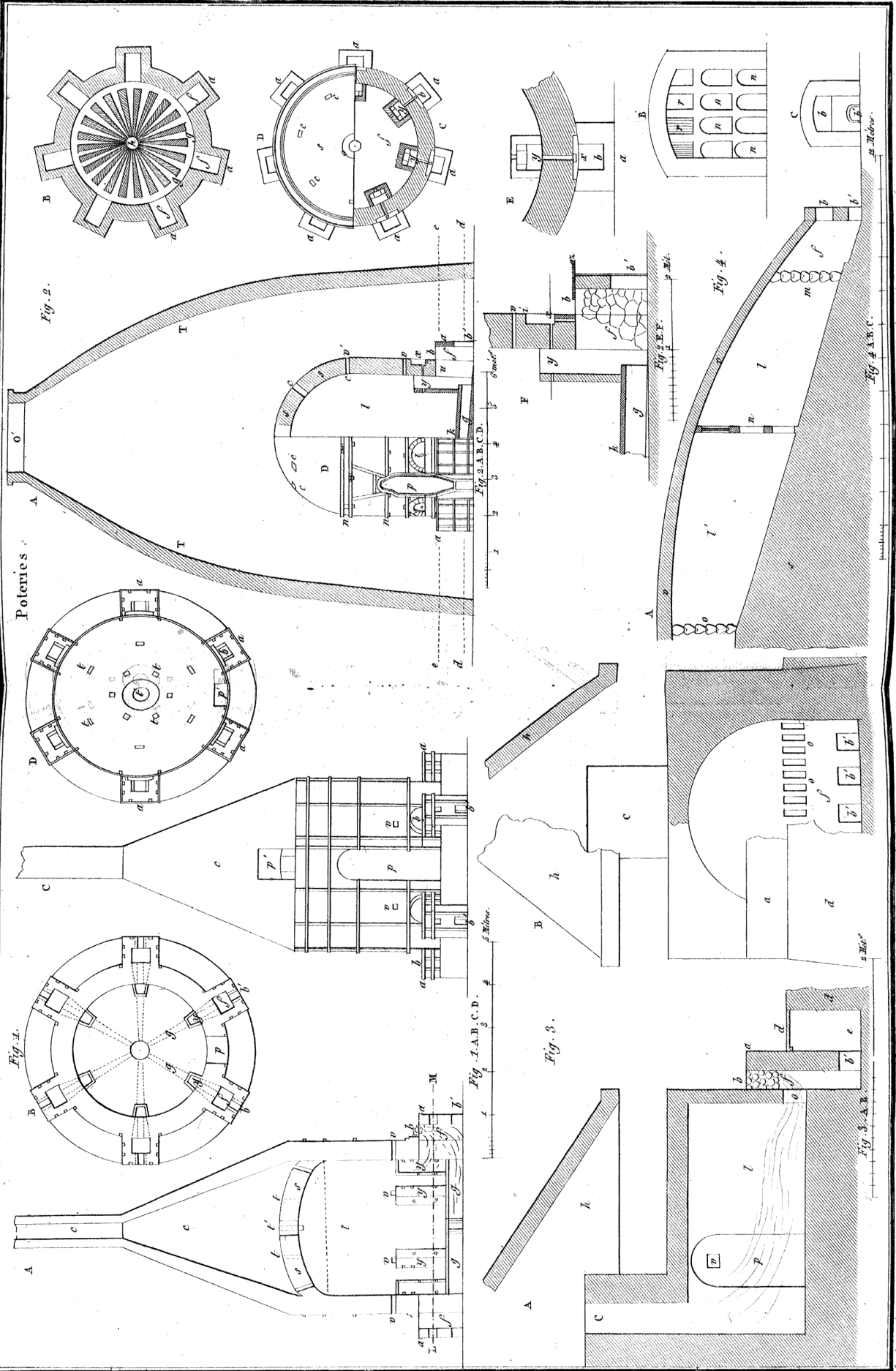


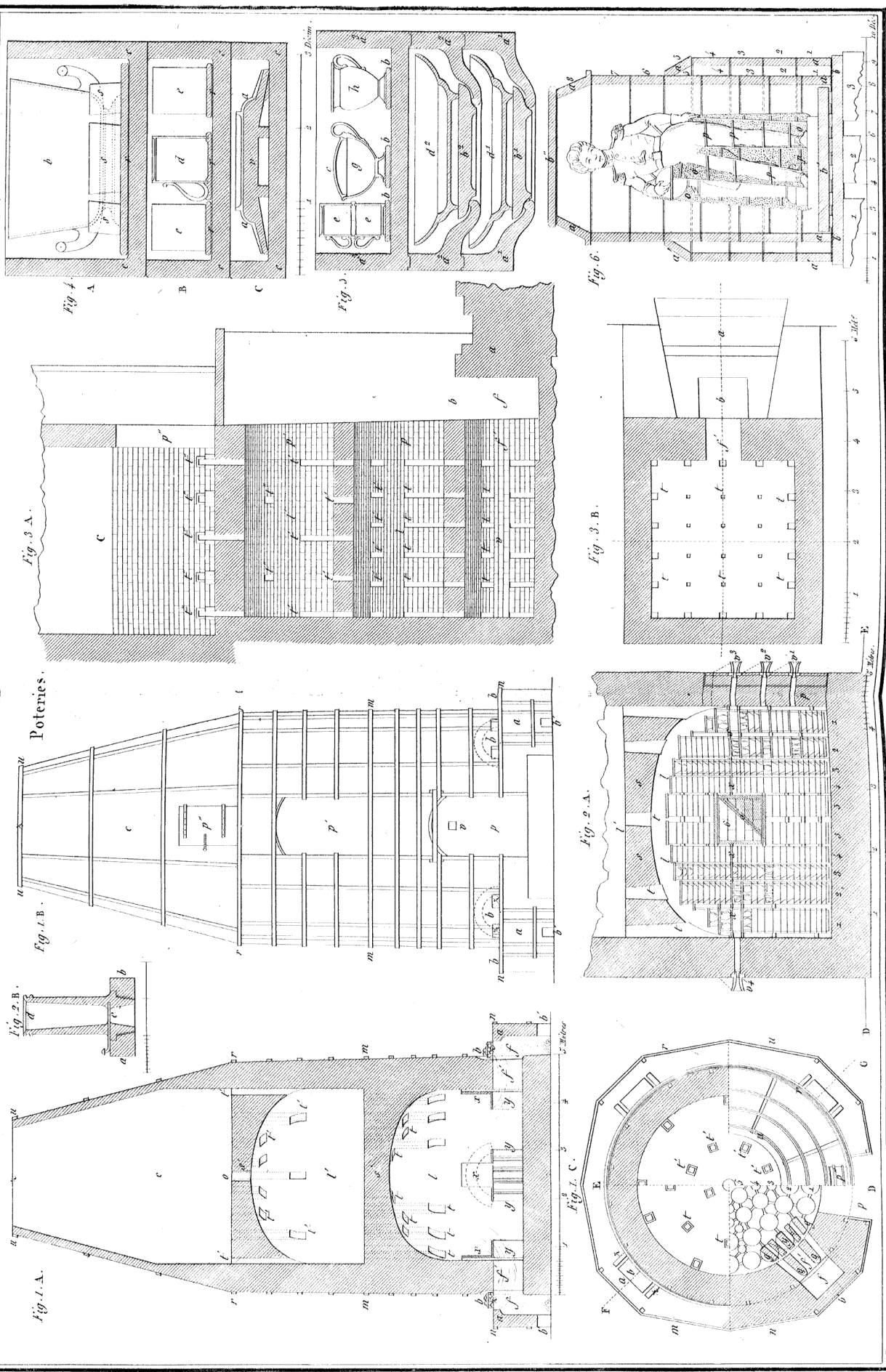
Fig. 14.





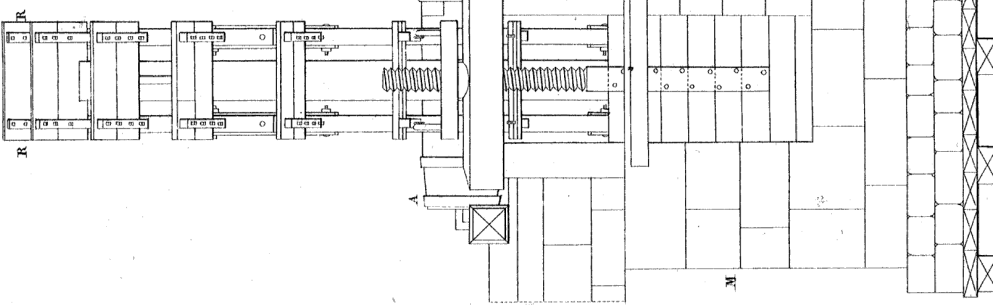
Poteries.











Poudre à Canon.

Fig. 2.

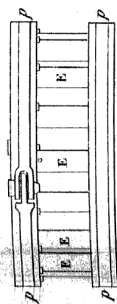


Fig. 1.

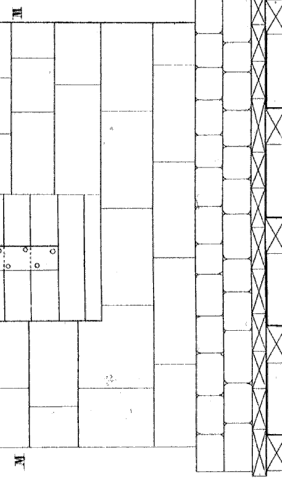
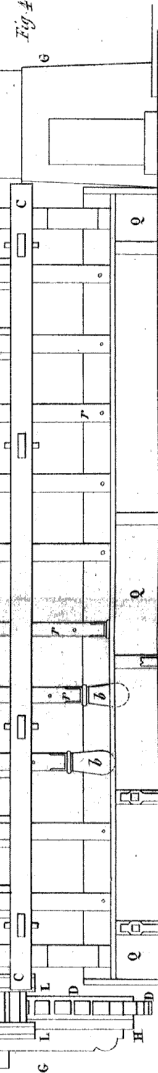
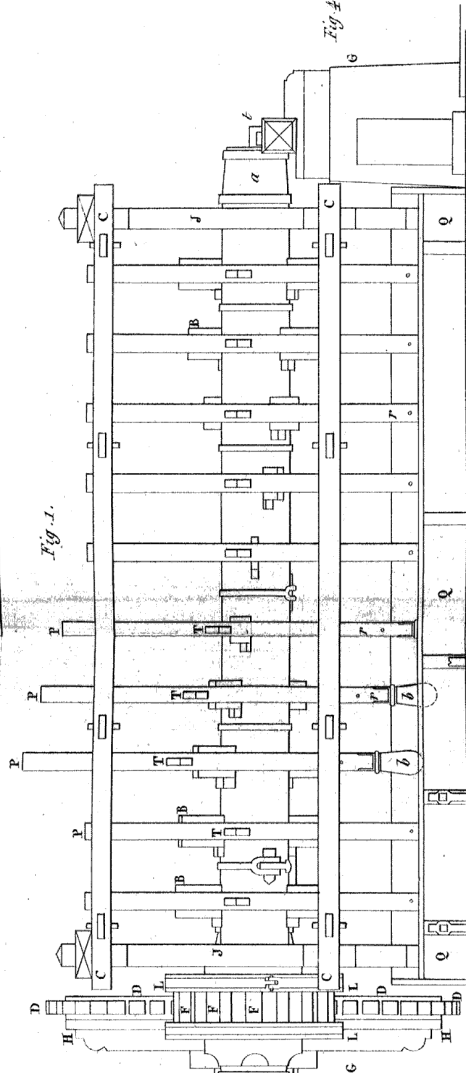


Fig. 8.

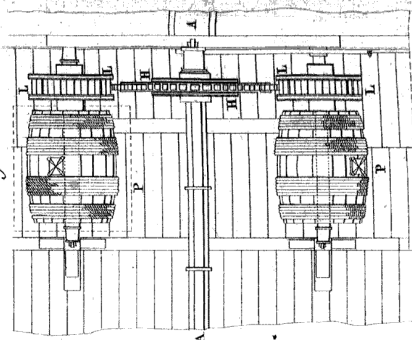


Fig. 9.



Fig. 10.

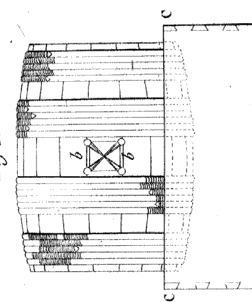


Fig. 6.

Fig. 7.

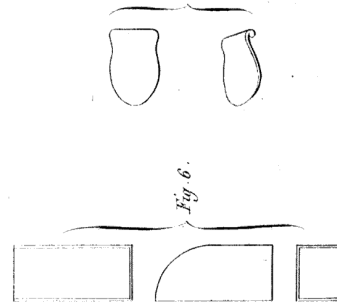


Fig. 3.

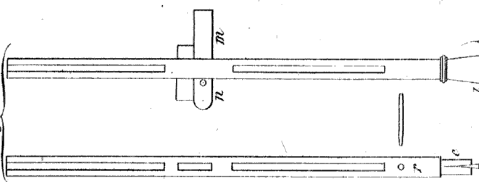
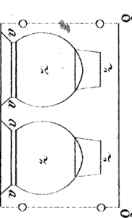


Fig. 4.



Fig. 5.





Poudre à Canon.

Fig. 2.

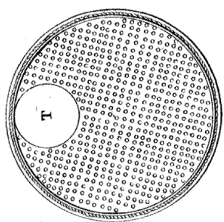


Fig. 3.



Fig. 1.

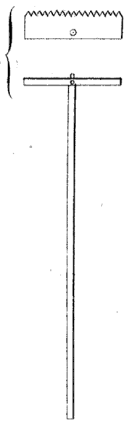


Fig. 4.

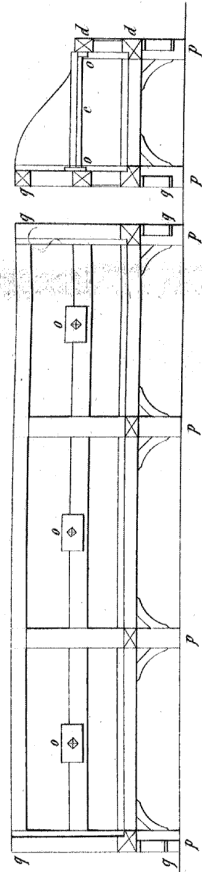


Fig. 7.

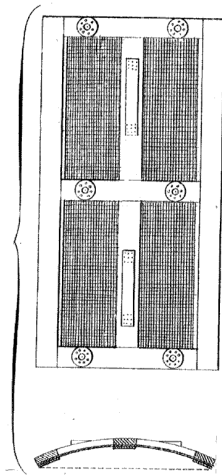


Fig. 5.

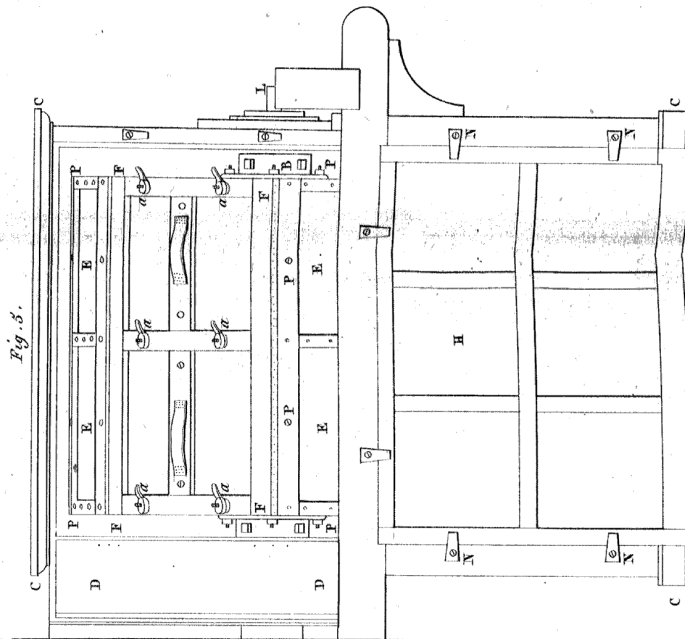


Fig. 6.

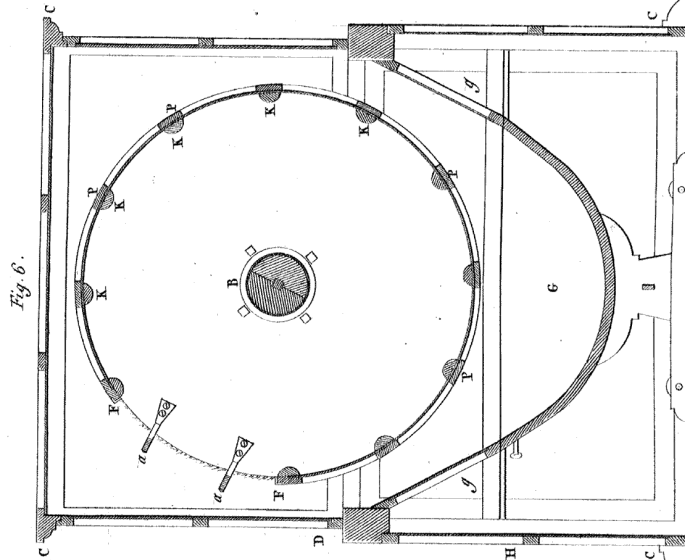


Fig. 8.

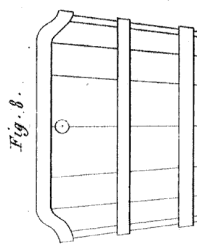
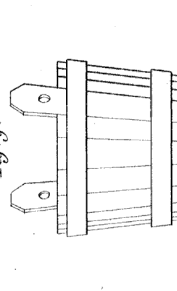


Fig. 9.

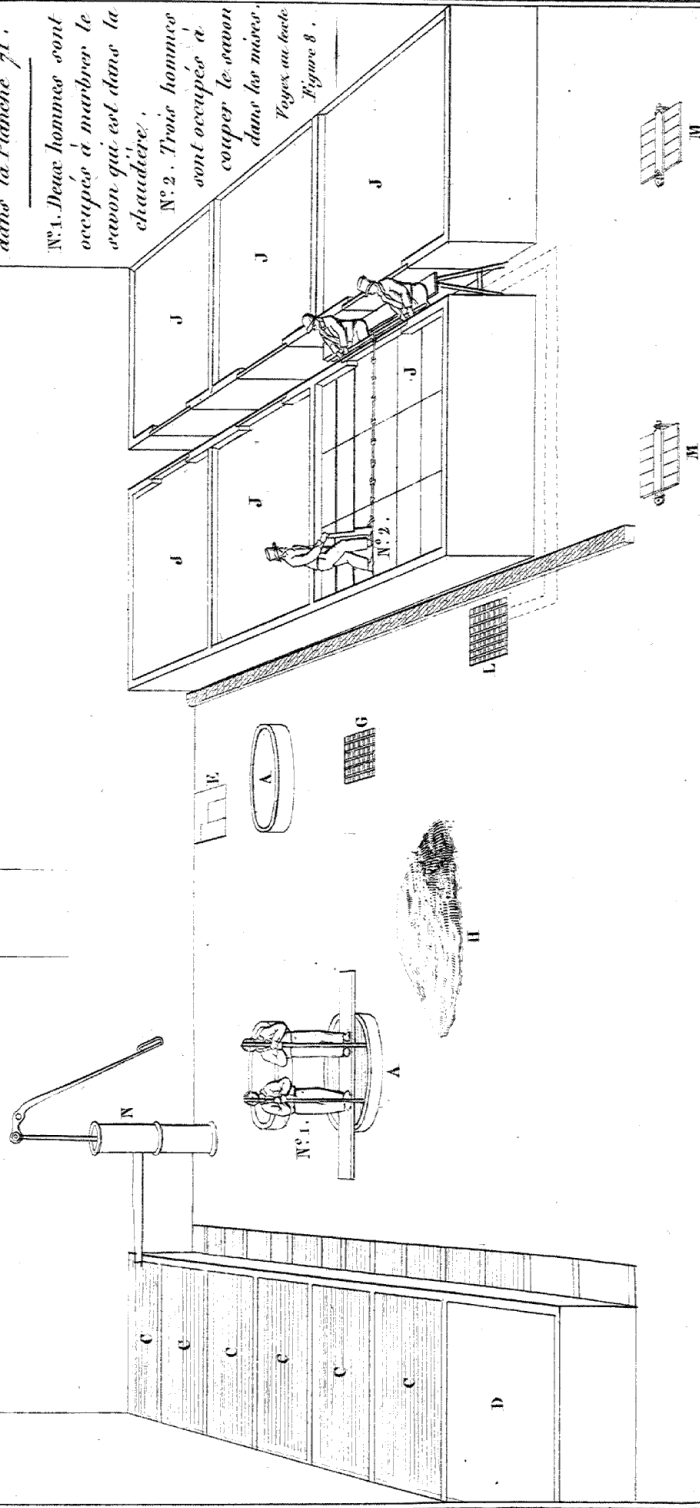


# Fabrication du Savon .

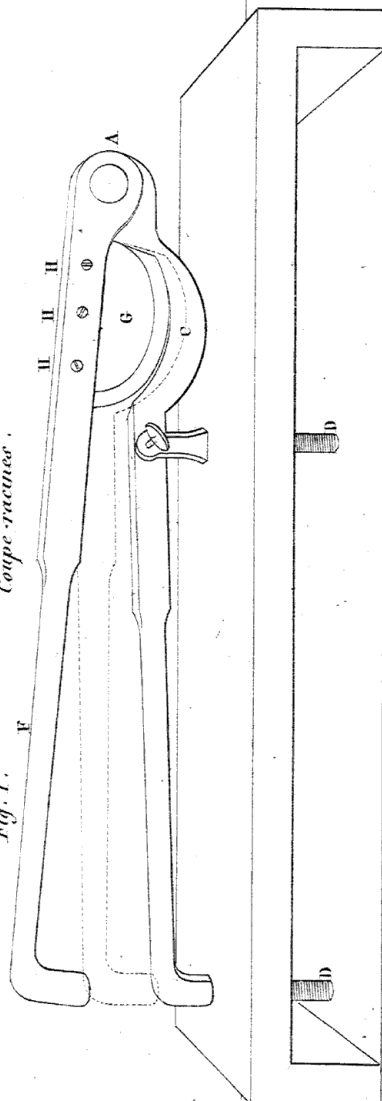
*Vue perspective d'une partie de l'édifice de savon dont le Plan est dans la Planche 71.*

*N° 1. Deux hommes sont occupés à marbrer le savon qui est dans la chaudière.*

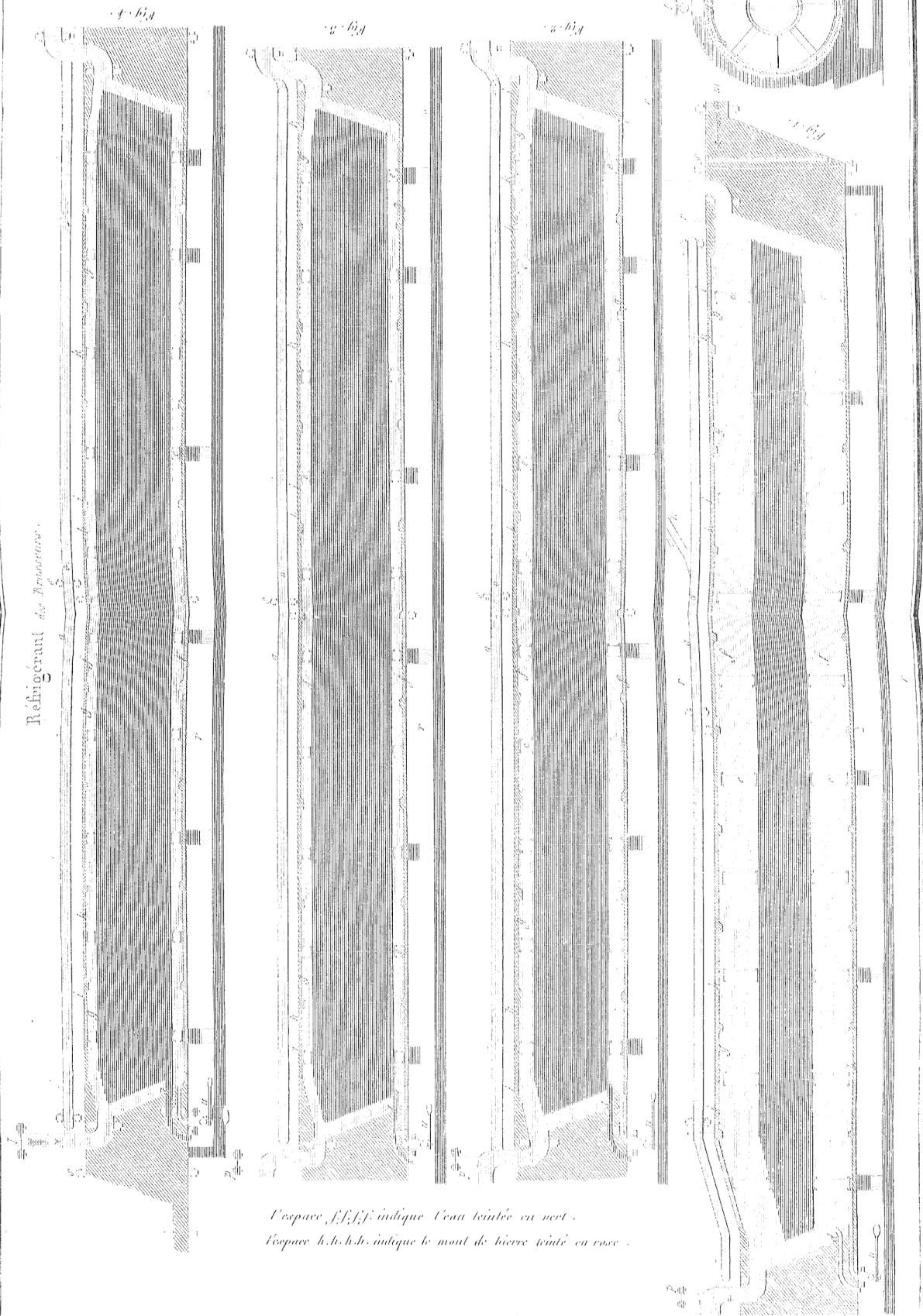
*N° 2. Trois hommes sont occupés à couper le savon dans les mises. Voyez au bas de la Figure 8.*



*Fig. 1. Coupe-racine.*



Réfrigérant de Brasserie.



Résine, Rum, Salle de Spectacle, Salubrité.

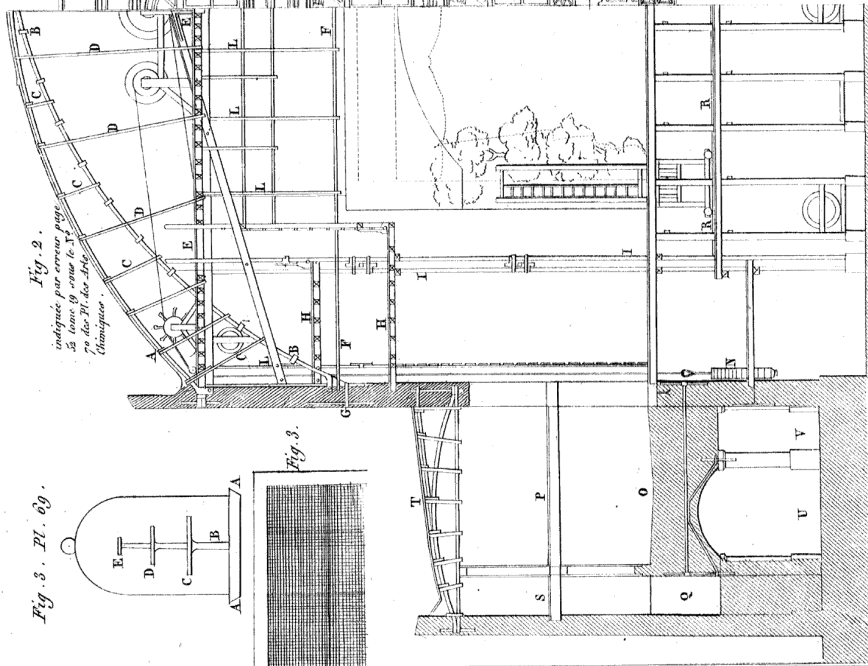


Fig. 2.  
indiquée par ces lettres  
A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z  
en des Pl. des Arts  
Chimiques.

Fig. 3. Pl. 63.

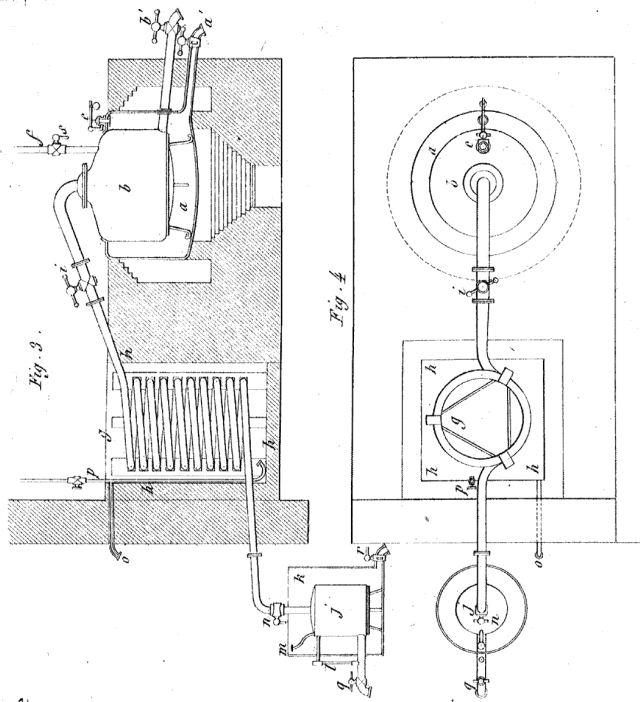


Fig. 4.

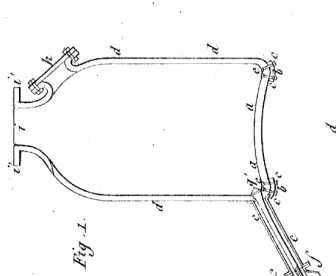
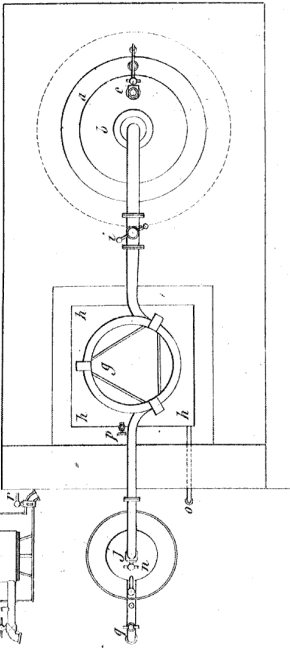


Fig. 1.

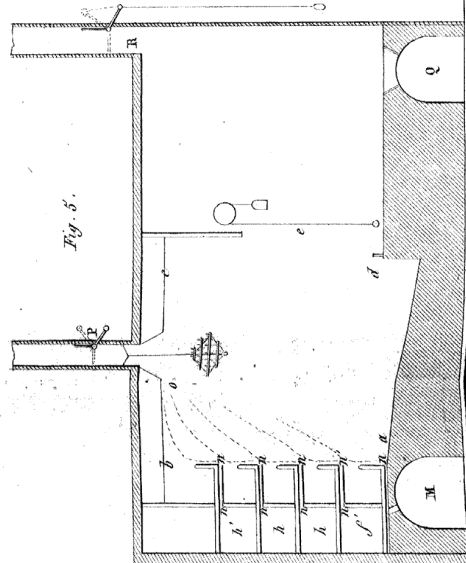


Fig. 5.

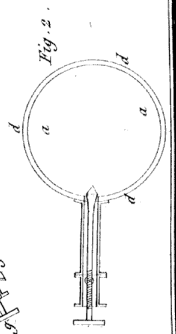


Fig. 2.

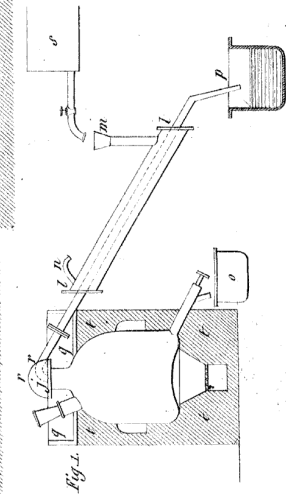
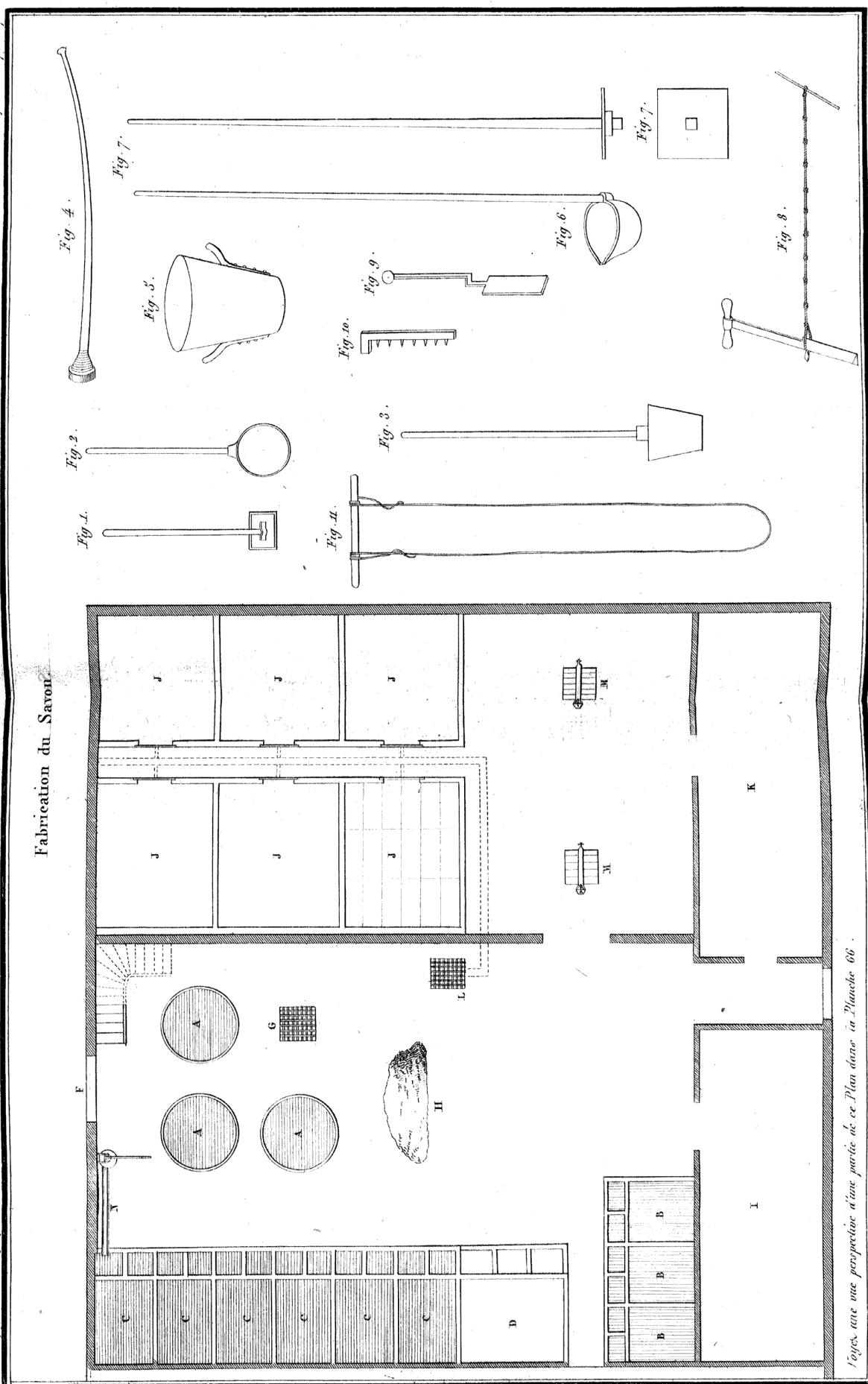


Fig. 4.





- Soufre (Fabrication)

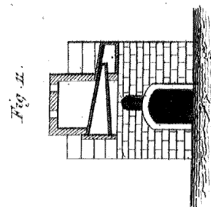
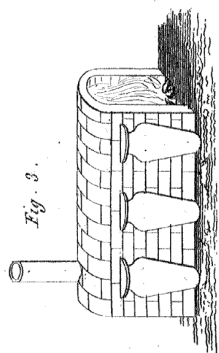
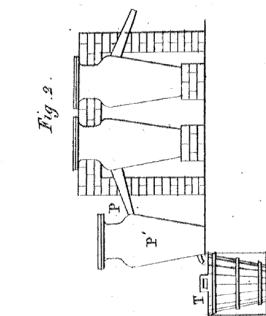
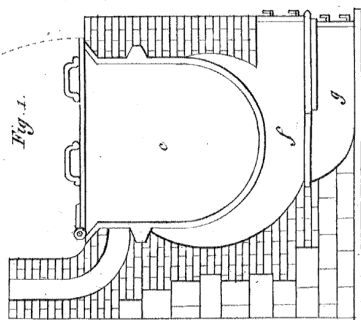


Fig. 10.



Fig. 6 bis.



Fig. 8



Fig. 7.



Fig. 4.

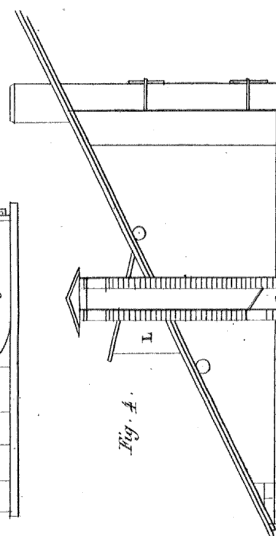


Fig. 5.

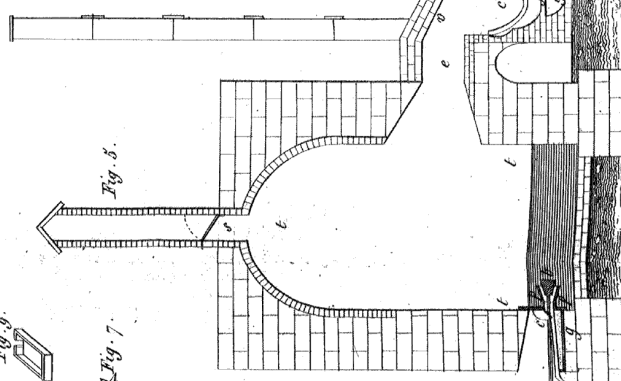


Fig. 6.

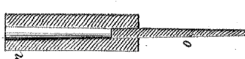


Fig. 13.

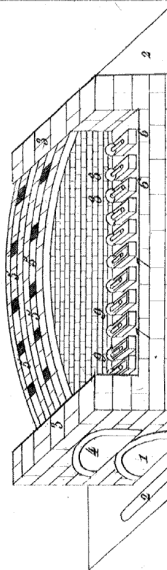
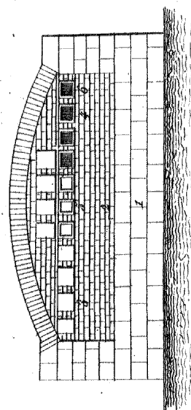


Fig. 12.



Sel ammoniac.

Fig. 1.

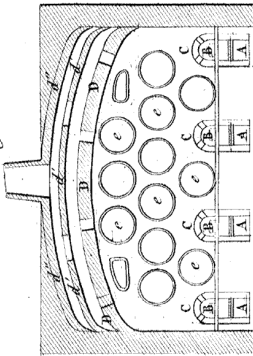


Fig. 3.

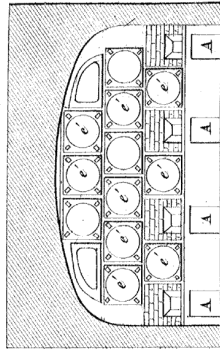


Fig. 2.

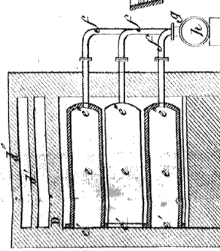


Fig. 4.

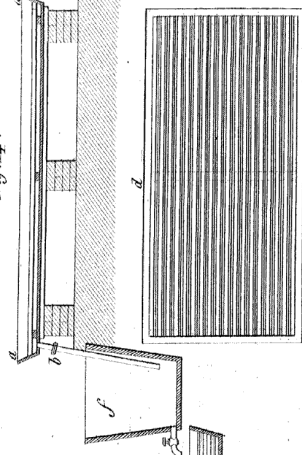


Fig. 44.

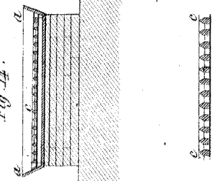


Fig. 4.

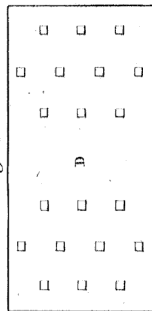


Fig. 5.

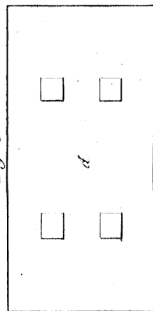


Fig. 3. bis.

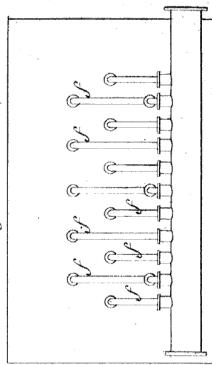


Fig. 15.

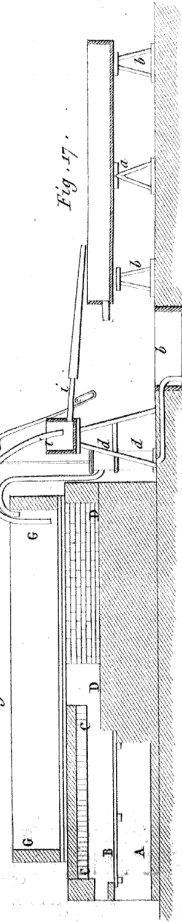


Fig. 17.

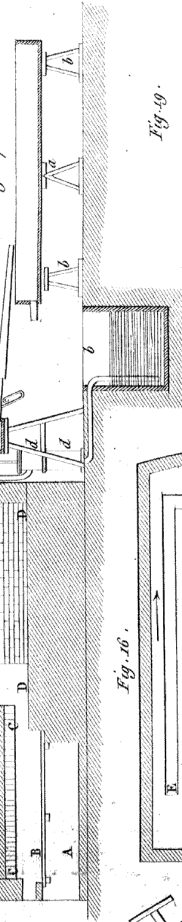


Fig. 22.

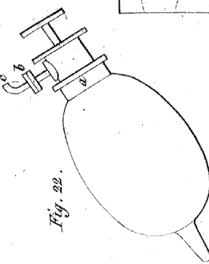


Fig. 21.



Fig. 6.



Fig. 7.



Fig. 8.



Fig. 9.



Fig. 10.



Fig. 11.



Fig. 12.



Fig. 13.



Fig. 16. bis.

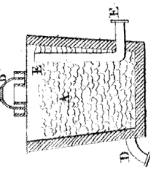


Fig. 18.

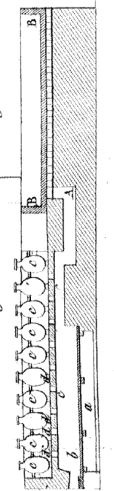


Fig. 19.



Fig. 20.

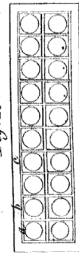
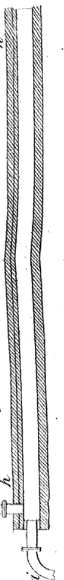
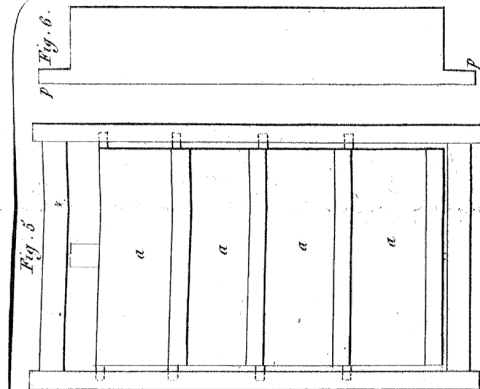
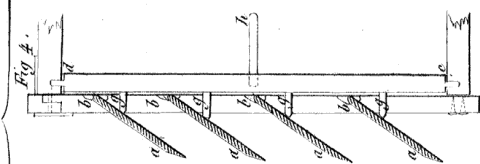
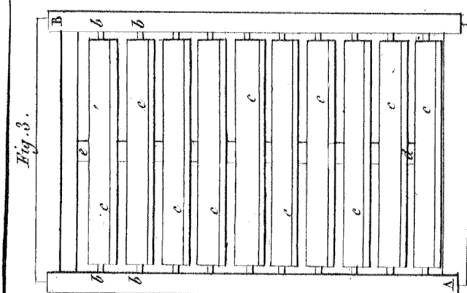
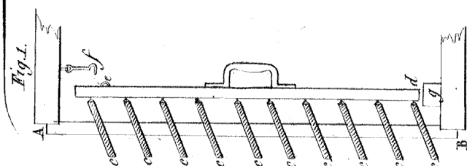


Fig. 21.





Séchoirs, à chaud et à froid.



Soude.

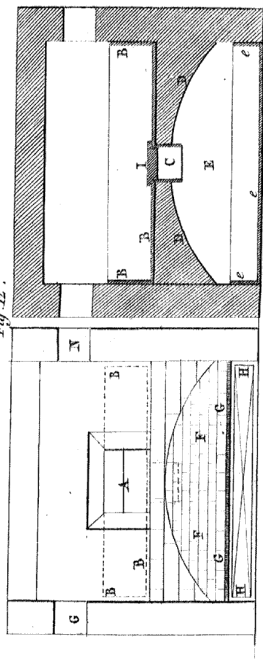
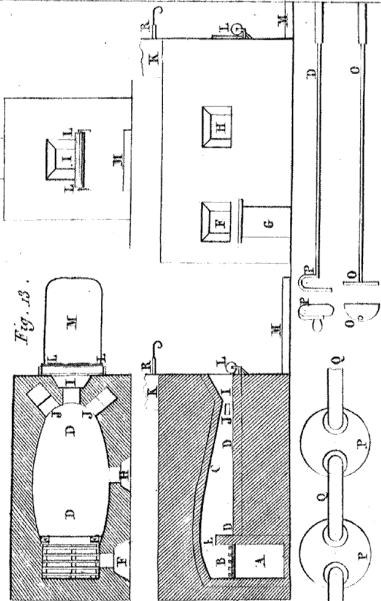


Fig. 13.



Soude. Fig. 11.

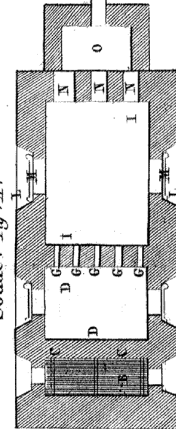


Fig. 8.

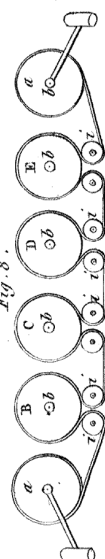


Fig. 7.

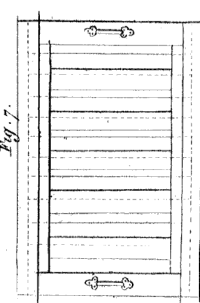


Fig. 15.

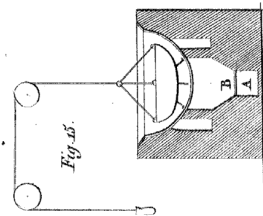


Fig. 9. bis.

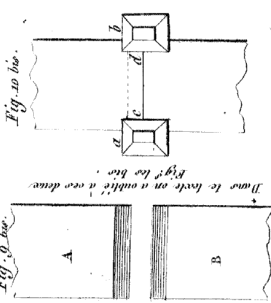
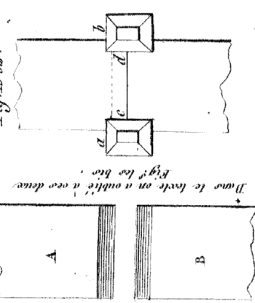


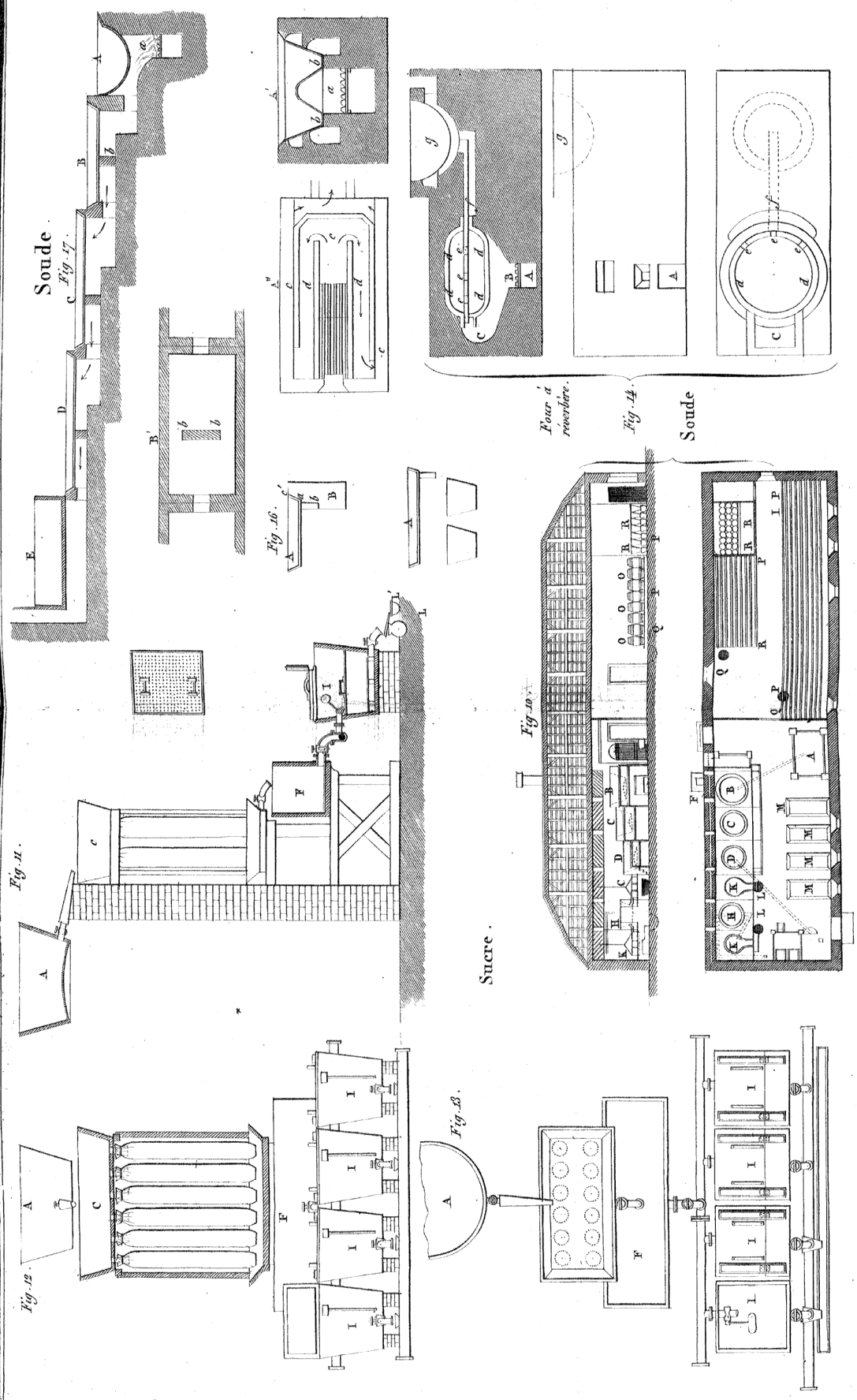
Fig. 10. bis.



Pour la Fig. 14, voyez Pl. 76.

Soudure

Alloy.



Soude

Fig. 17.

Fig. 14.

Fig. 15.

Fig. 16.

Fig. 17.

Fig. 18.

Fig. 19.

Fig. 20.

Fig. 21.

Sucre.

Fig. 20.

Pour a  
récupérer.

Fig. 14.

Soude

SUCRE. Laveuse de betteraves.

Fig. 1.

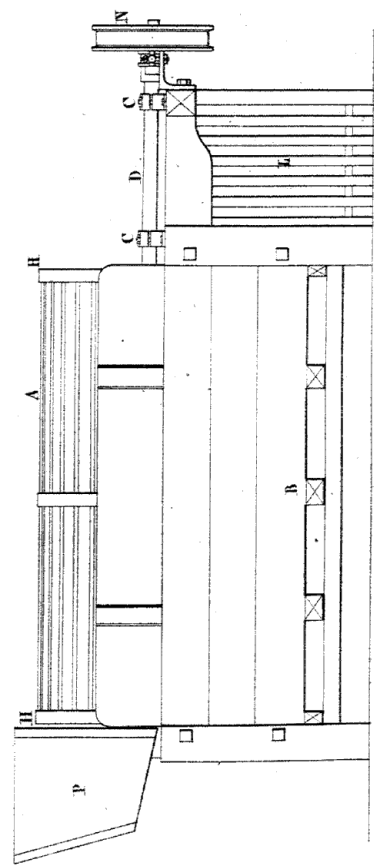


Fig. 2.

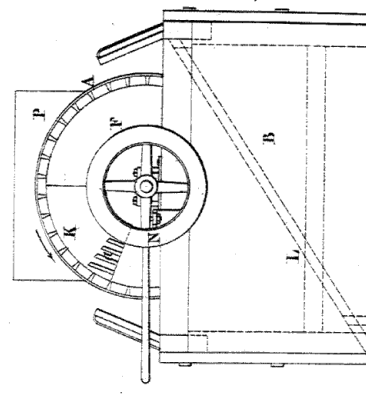


Fig. 3.

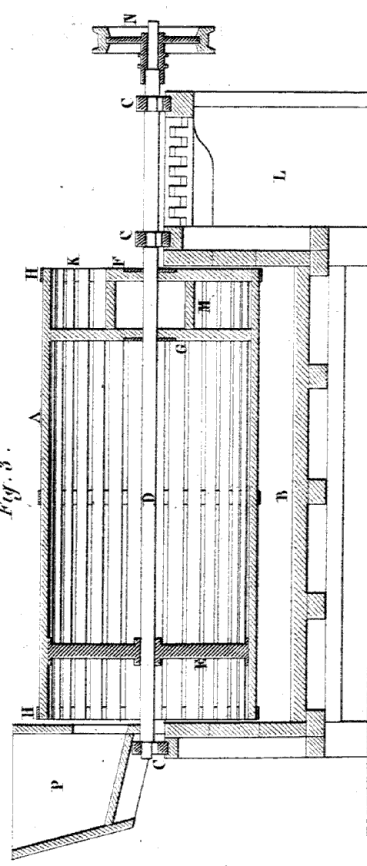
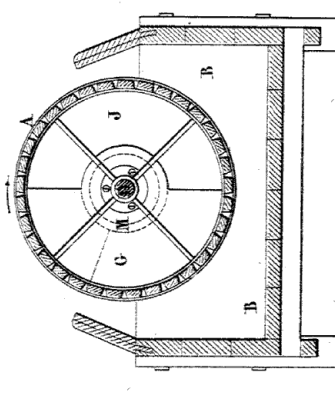


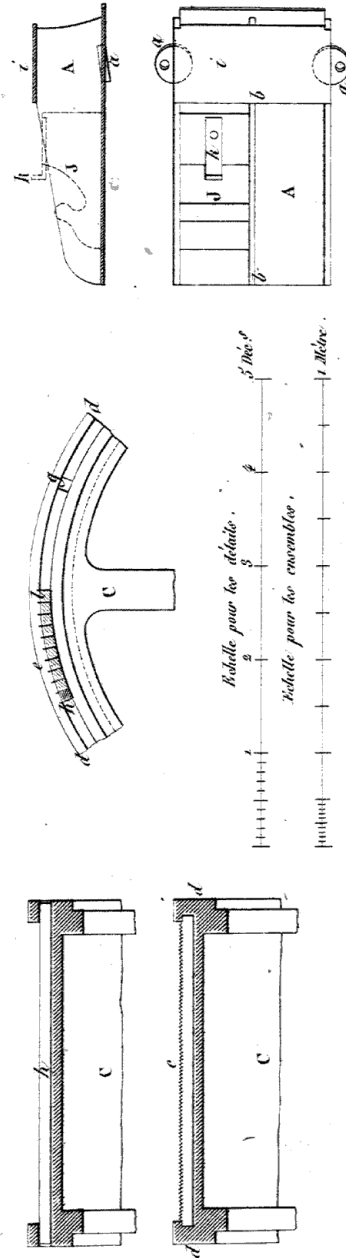
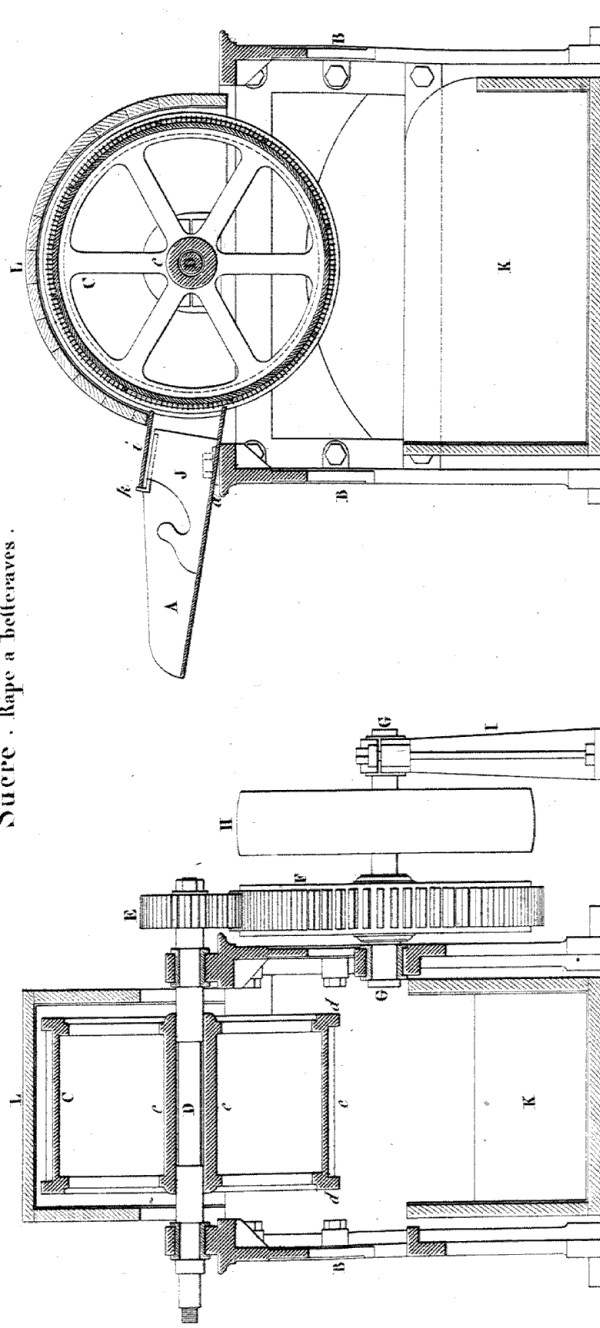
Fig. 4.



3 Mètre.

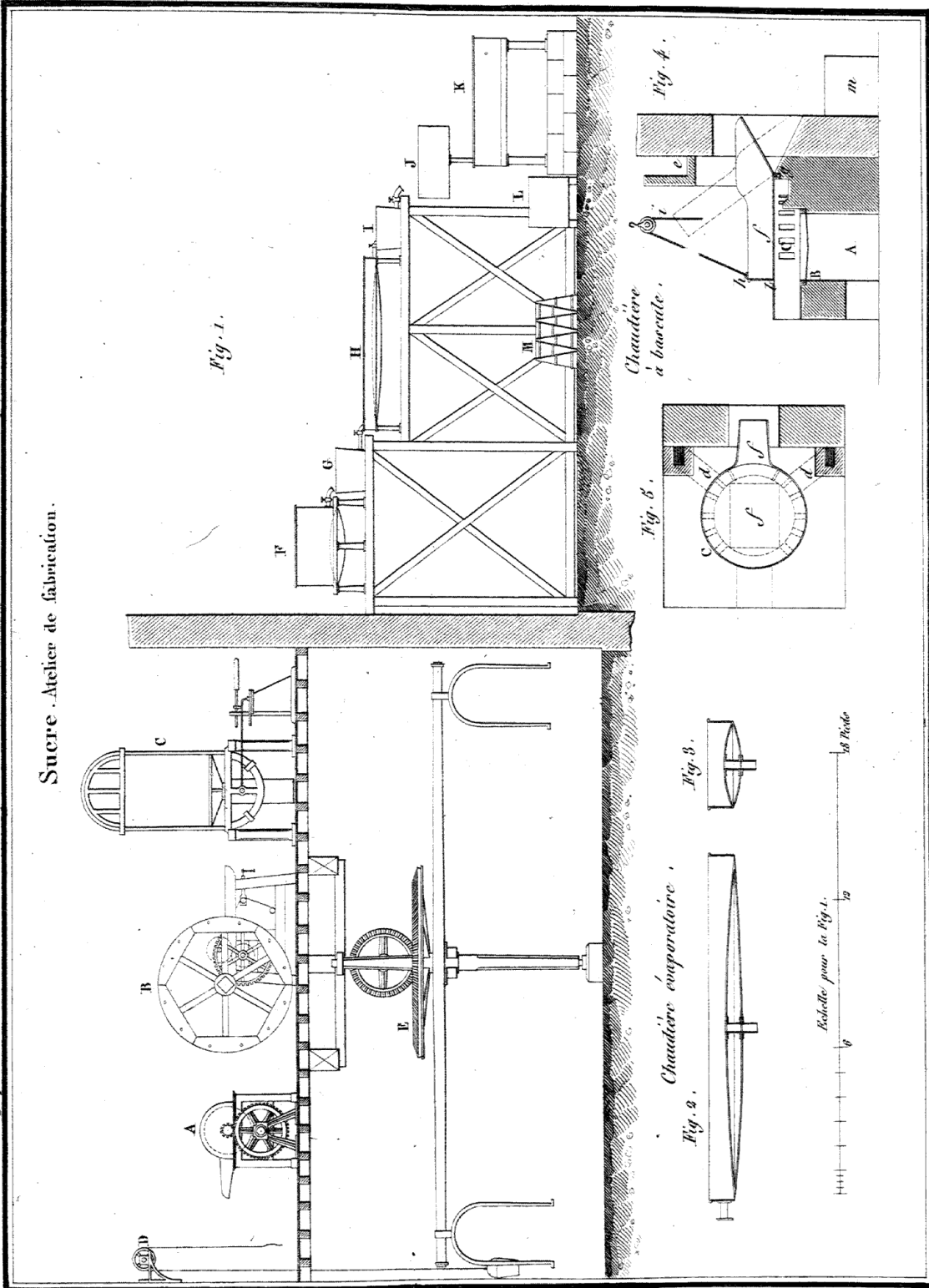
Gravé par Lelanc.

Sucre . Râpe à betteraves .



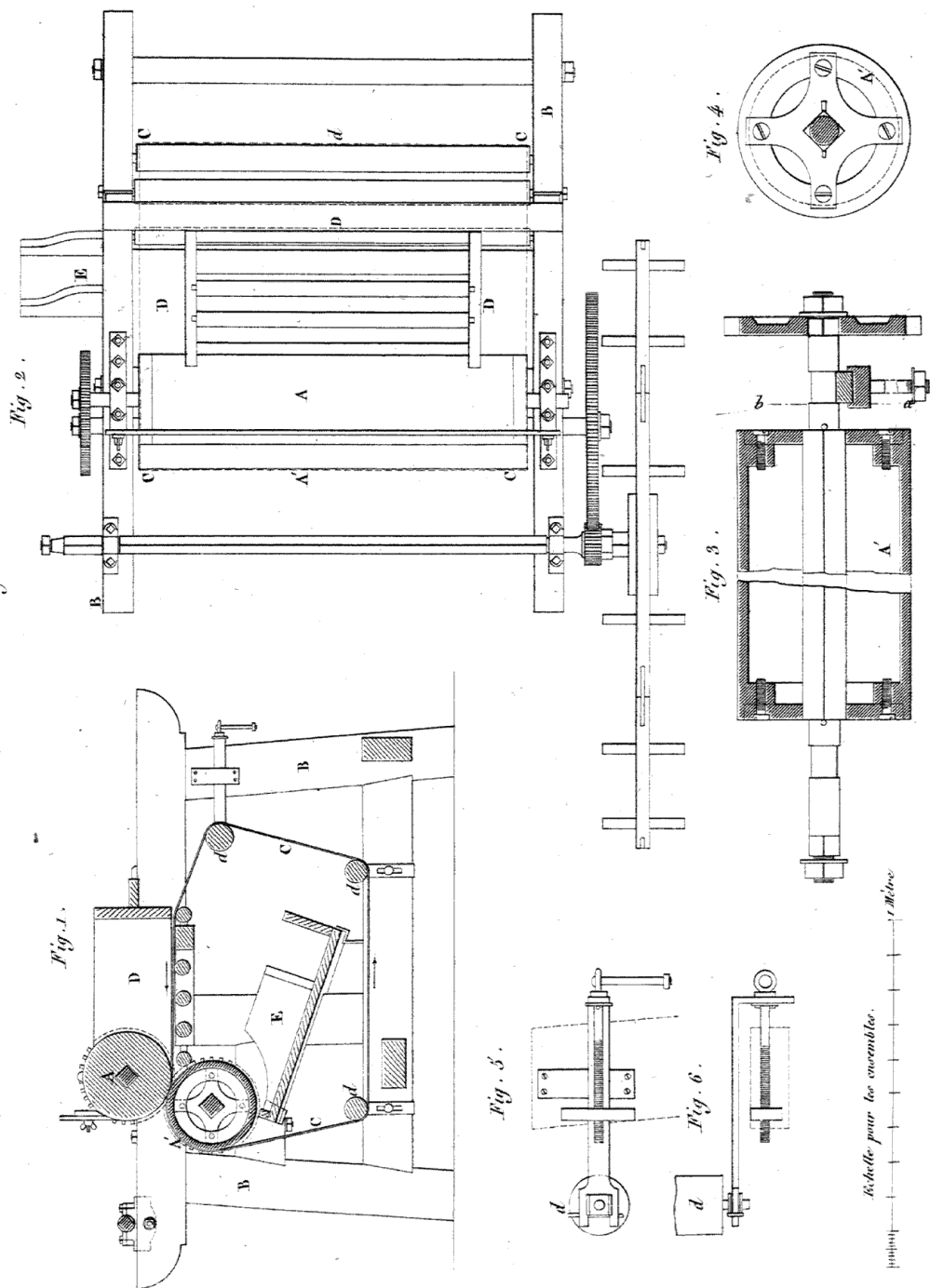
Gravé par Robins.

Sucre .Atelier de fabrication.



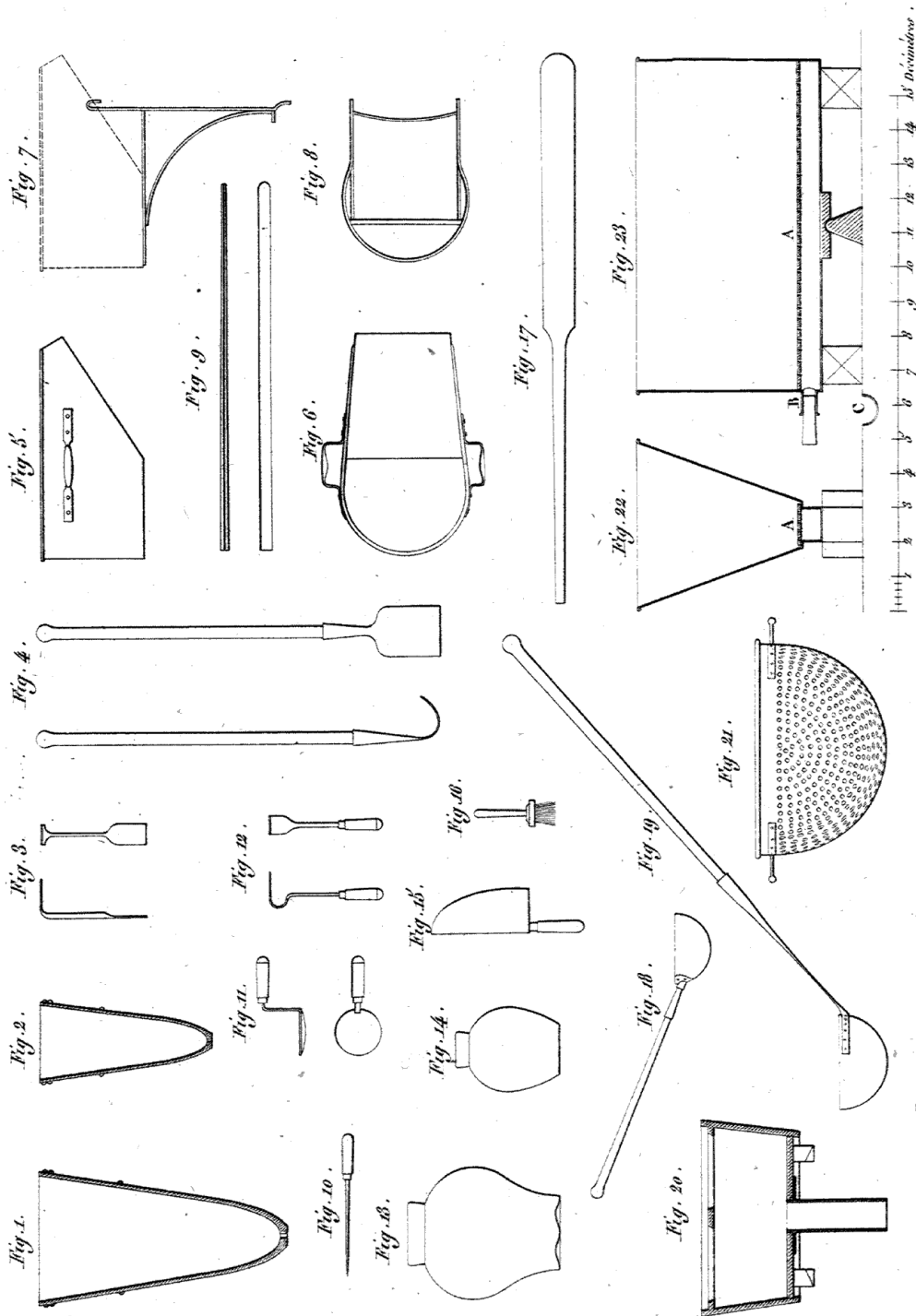
Gravé par Delorme.

Sucre . Presse à cylindres .



Gravé par Leblanc.

Sucre . Divers ustensiles .



Gravé par Lathuier.

## SUCRE. Système de filires et de chaudières.

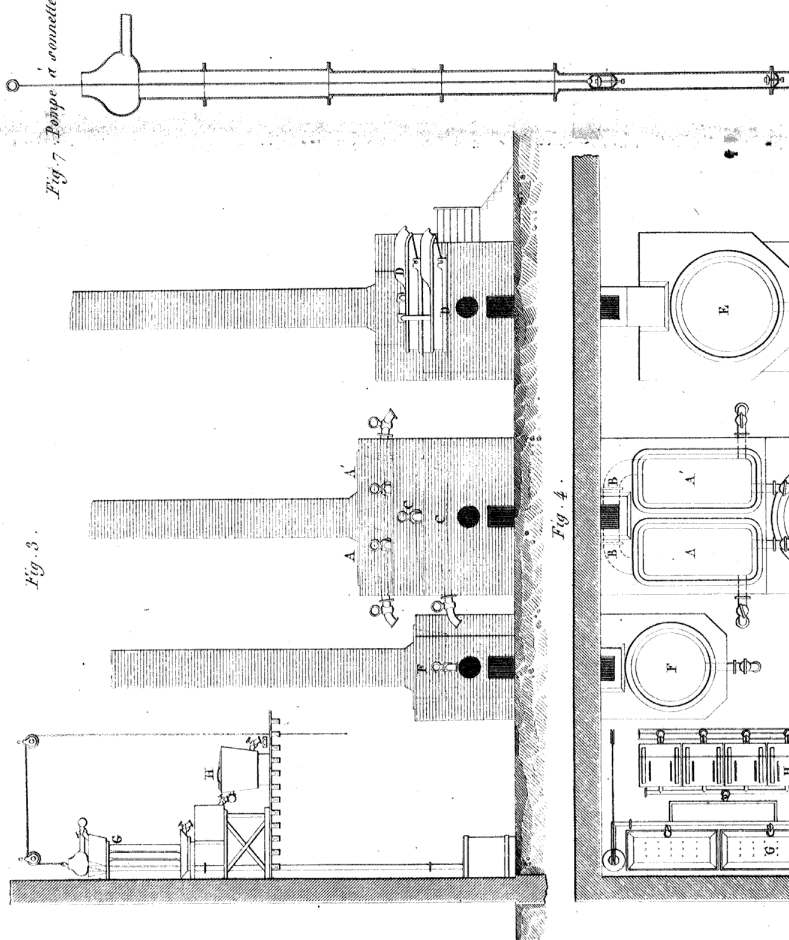


Fig. 3.

Fig. 7. Pompe à sonnette.

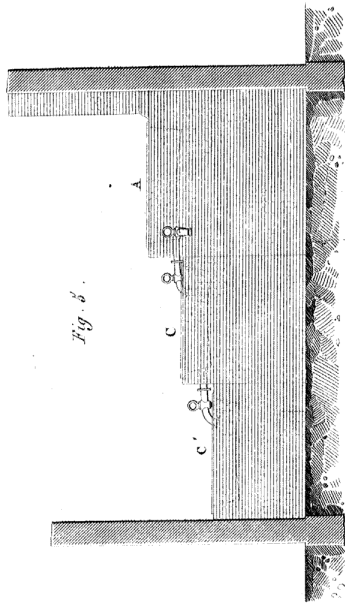


Fig. 5.

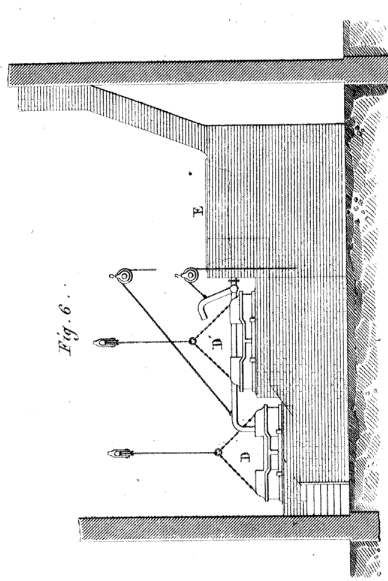


Fig. 6.

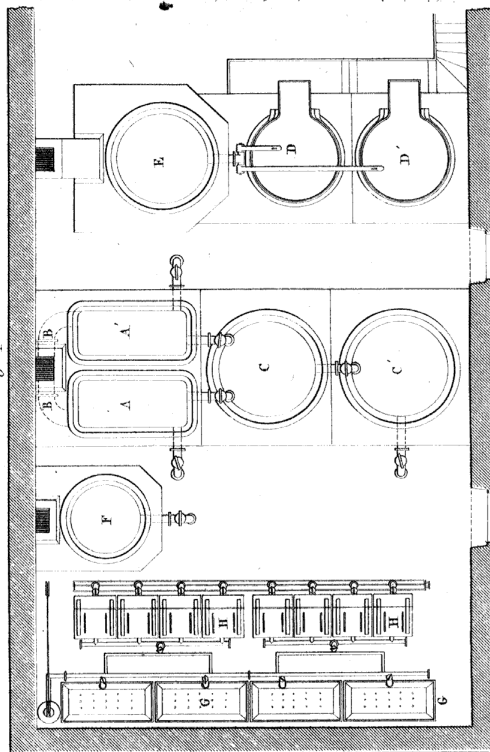
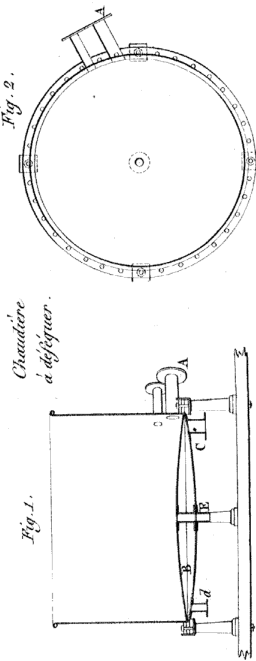


Fig. 4.



*Chaudière  
à déféquer.*

Fig. 2.

Échelle pour les Fig. 3 à 6. 20 Poles.

Gravé par Leblanc.



Sucrer. Appareil à cuire les Sirops.

Fig. 1.

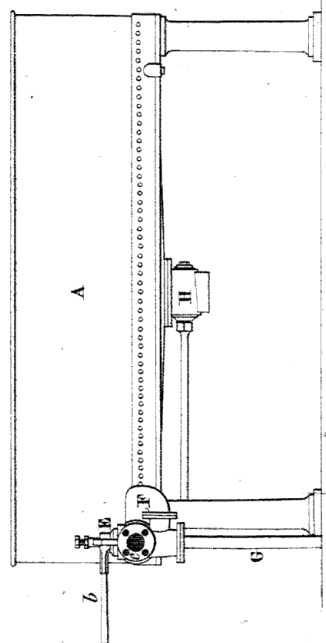


Fig. 2.

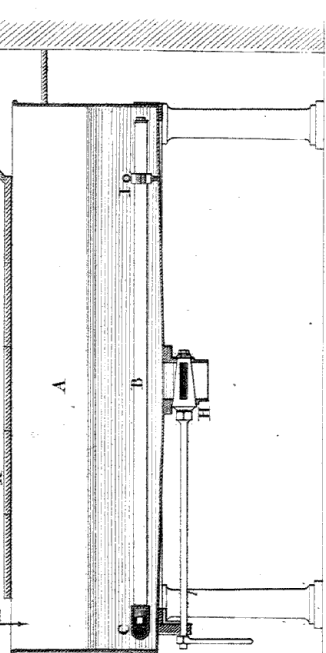
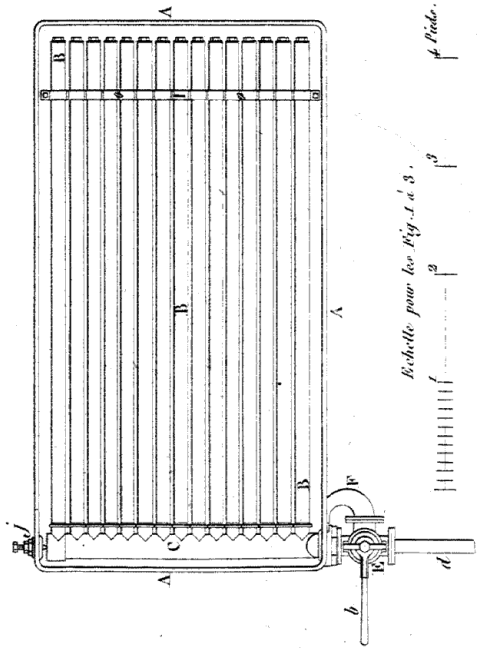


Fig. 3.



Echelle pour les Fig. 1 à 3.

Fig. 4.

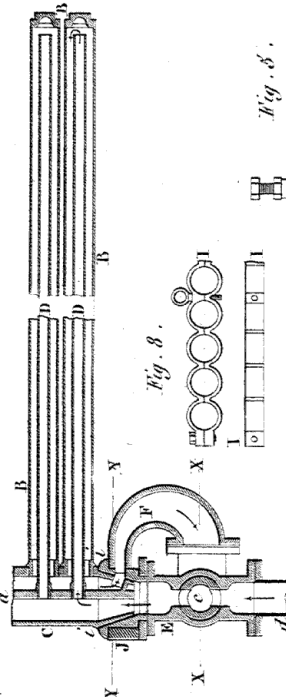


Fig. 5.

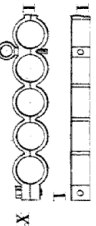


Fig. 6.

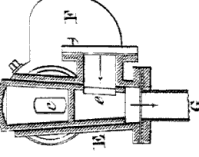


Fig. 7.

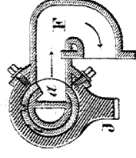
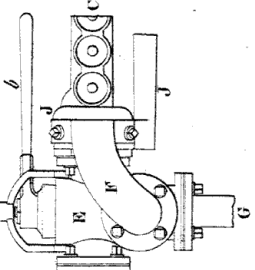
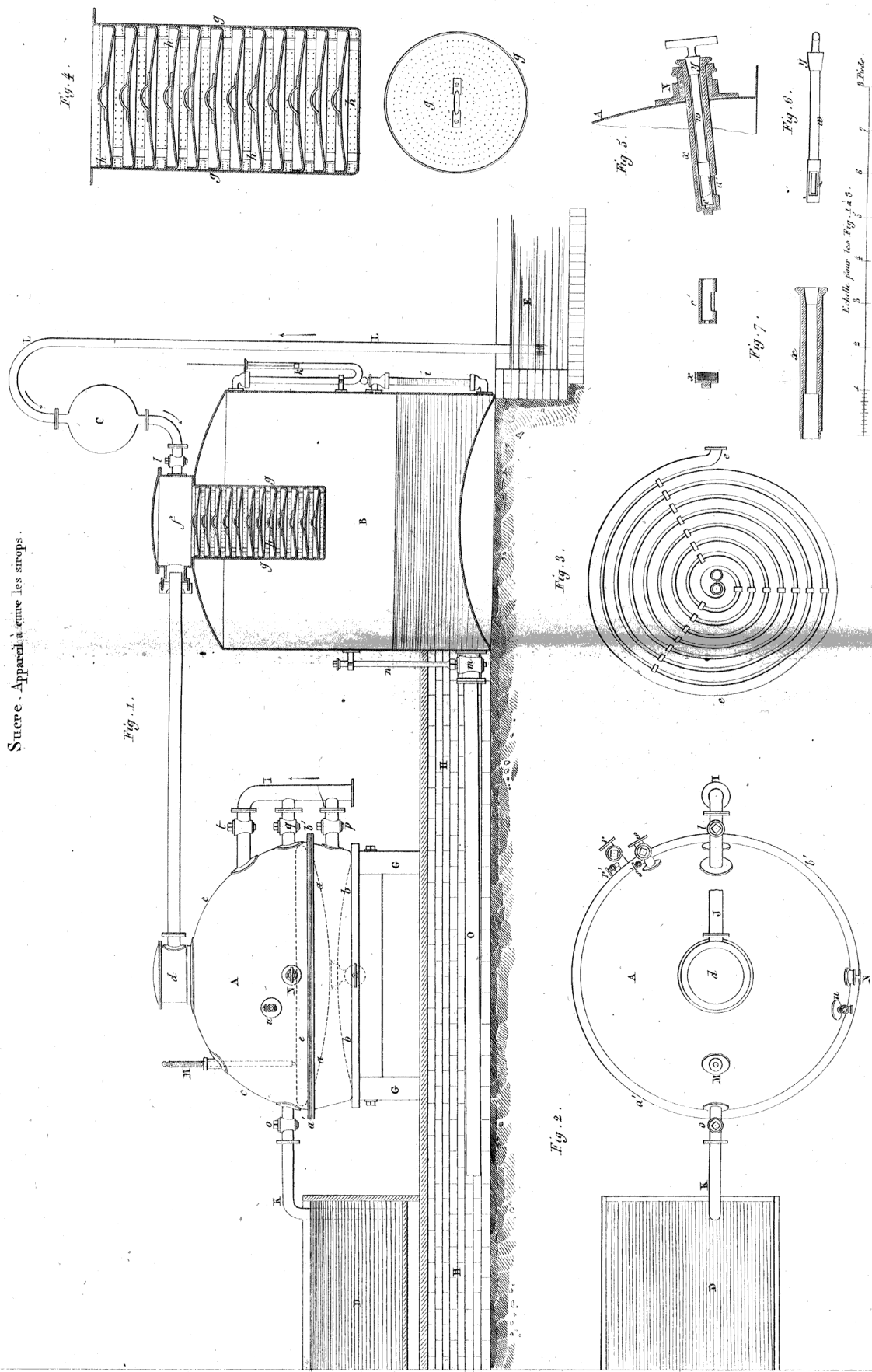


Fig. 8.



Donné par Lobbé.

Sucre. Appareil à cuire les sirops.



Donné par l'États.

Sucre - Rouleaux ou Pressoirs des cannes à sucre.

Fig. 1.

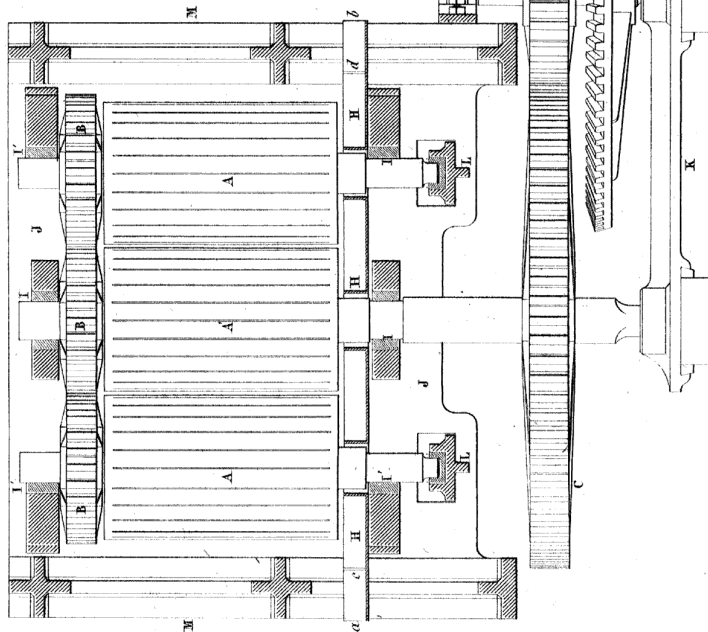
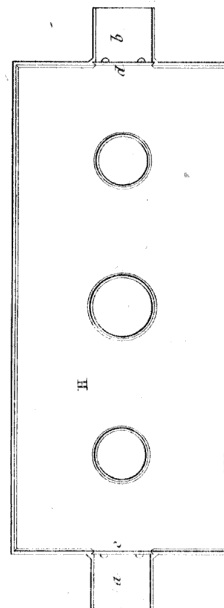


Fig. 2.



0 Toile.

Fig. 3.

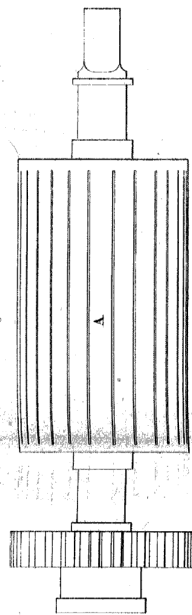


Fig. 4.

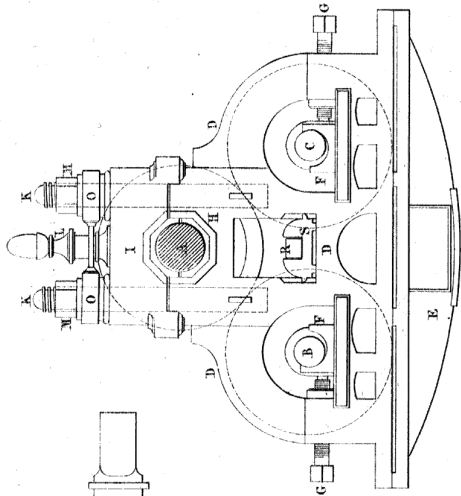


Fig. 5.

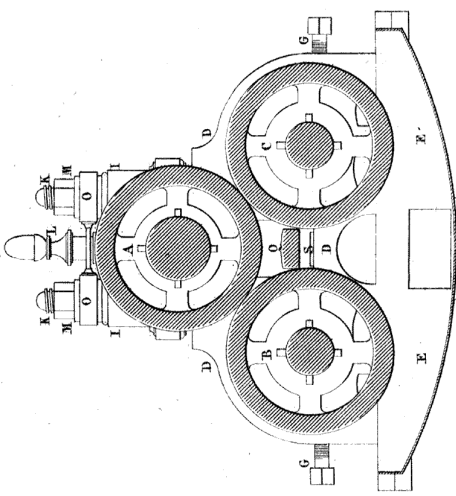


Fig. 6.

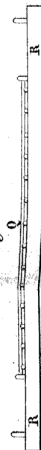


Fig. 7.



0 Toile.

Sucre.

Filtres de Taylor.

Fig. 1.

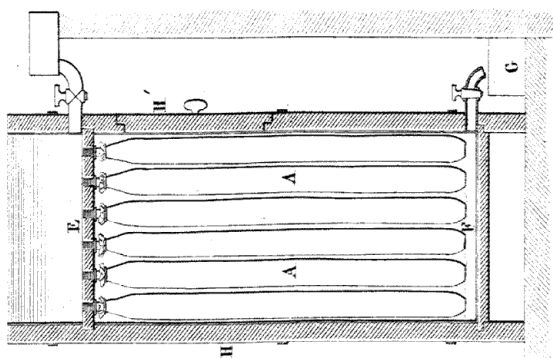


Fig. 3.

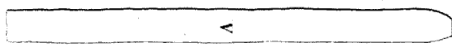


Fig. 4.

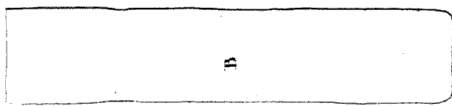


Fig. 5.



Filtres de Dumont.

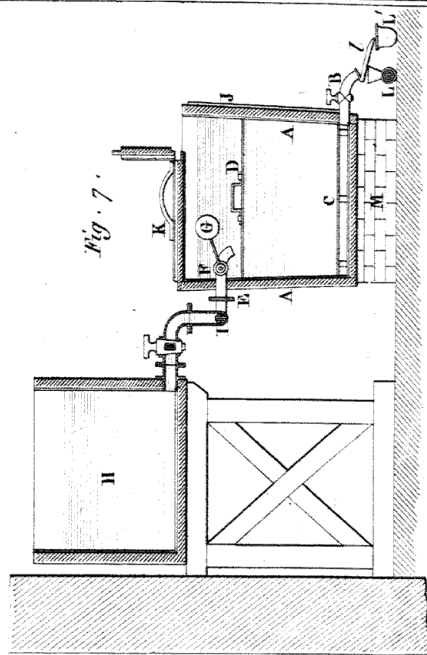


Fig. 8.

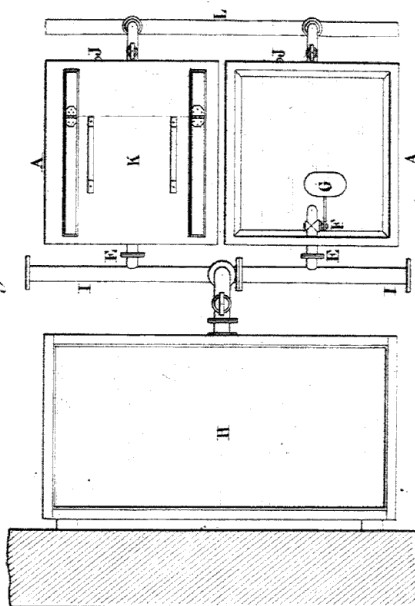


Fig. 9.

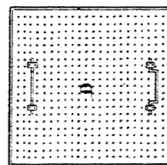


Fig. 6.

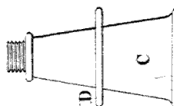
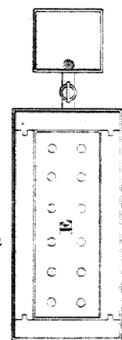


Fig. 2.



Echelle des Fig. 1, 2, 7, 8 et 9.

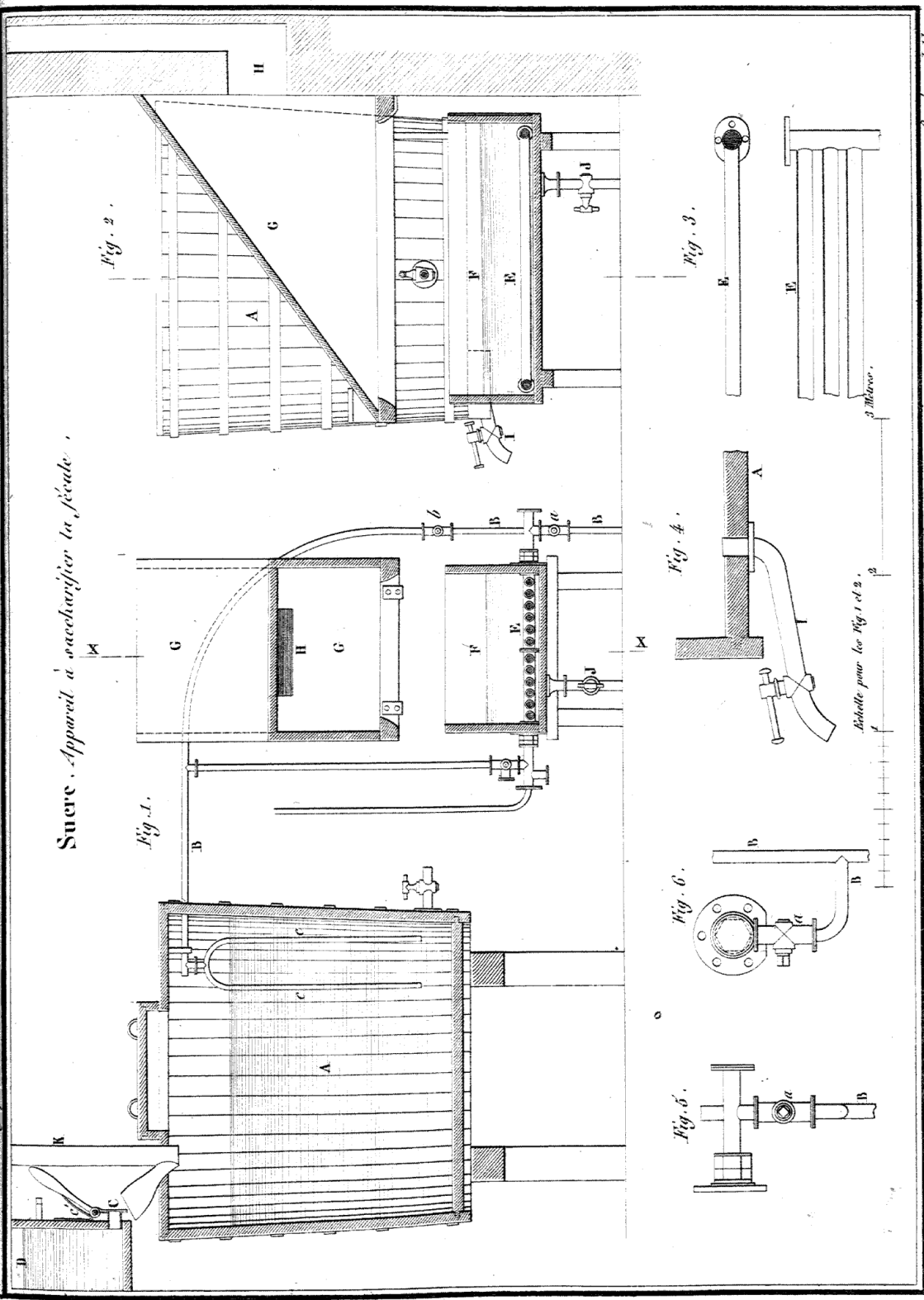
1 2 3 4 5 6 Piede.

Echelle de la Fig. 6.

1 2 3 4 5 6 Piede.

Gravé par Loblanc.

Sucre. Appareil à saccharifier la fécule.



Gravé par Lablanche.

Fabrication de la Tôle.

Fig. 1.

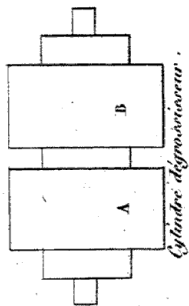


Fig. 2.

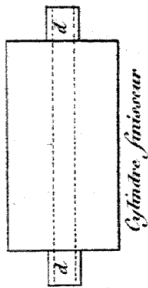


Fig. 3.

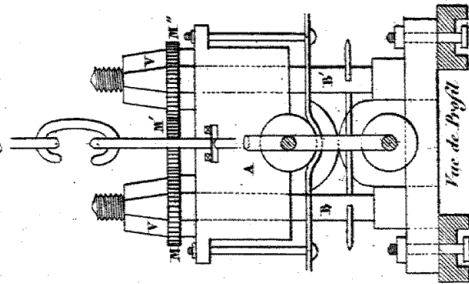


Fig. 8.

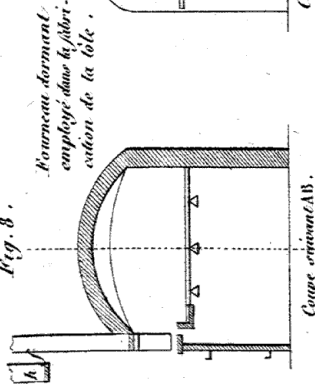


Fig. 10.

Formeau dormant employé dans la fabrication de la tôle.

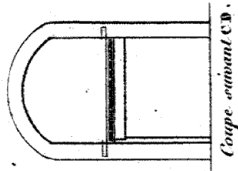


Fig. 4.

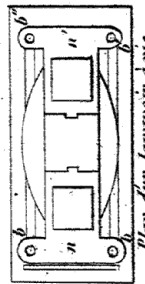


Fig. 6.

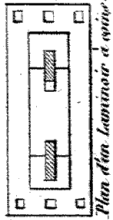


Fig. 5.

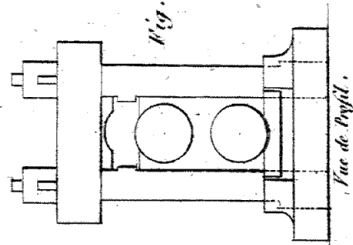


Fig. 9.

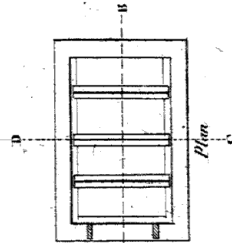


Fig. 11.

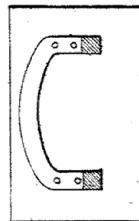


Fig. 12.

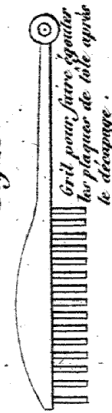
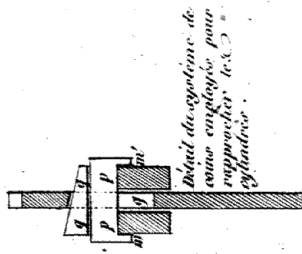
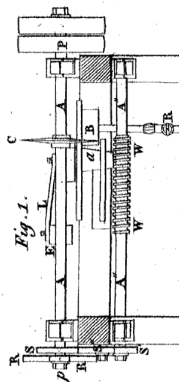


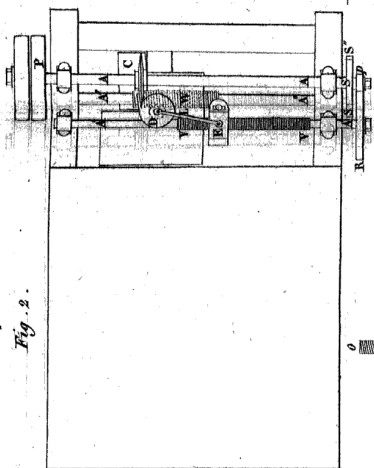
Fig. 7.



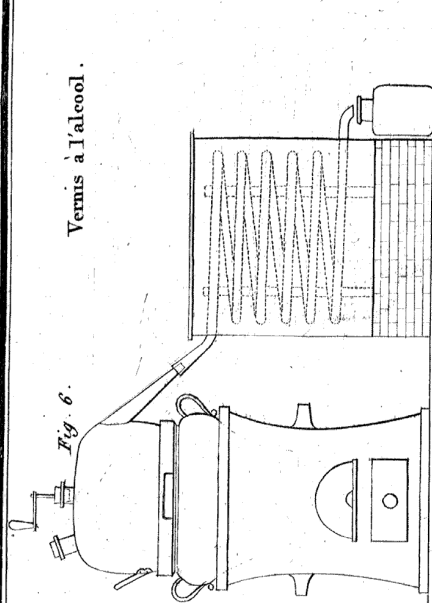
*Plan de la Machine propre à découper  
le disque de Caoutchouc.*



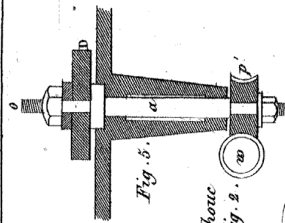
2



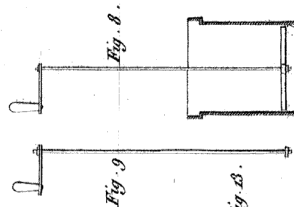
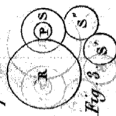
1



Vernis à l'alcool.



1



*Fig. 8.*

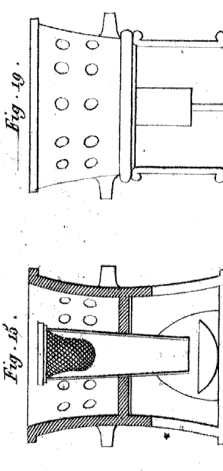
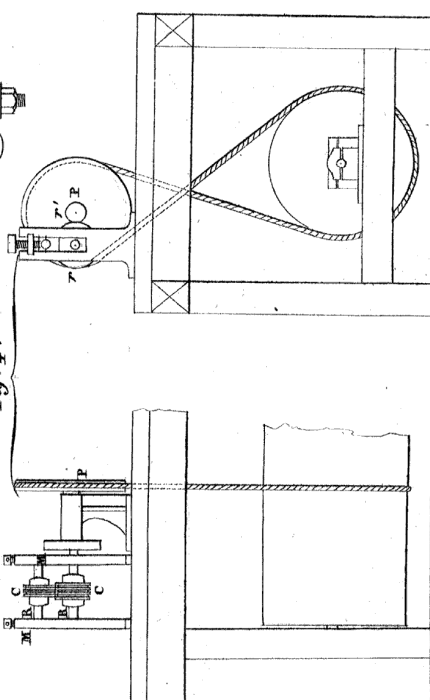
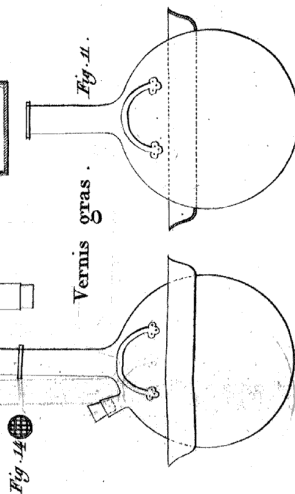
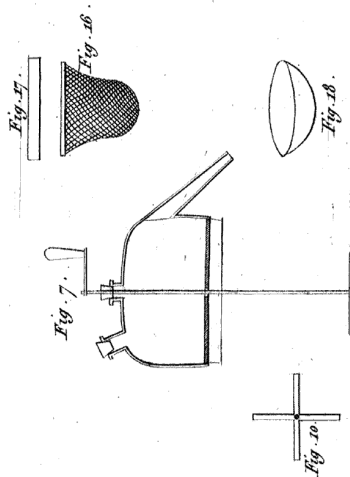


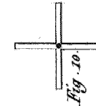
Fig. 19.



*Fig. 11.*



1



1



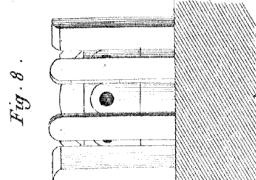
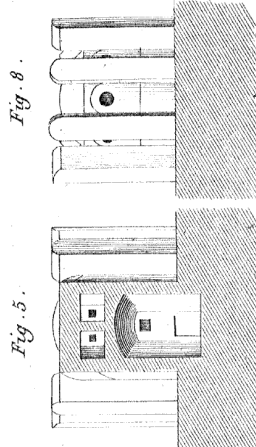
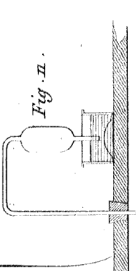
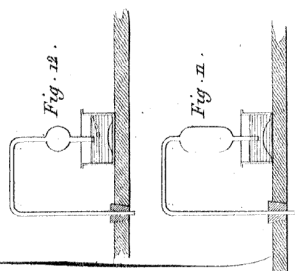
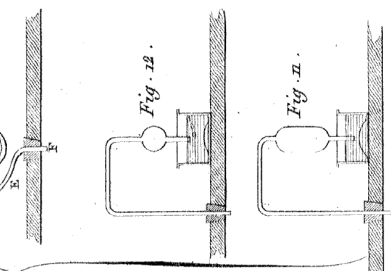
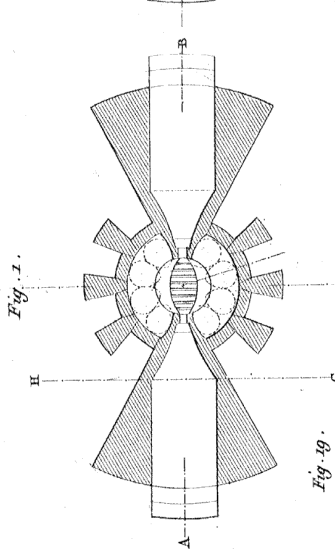
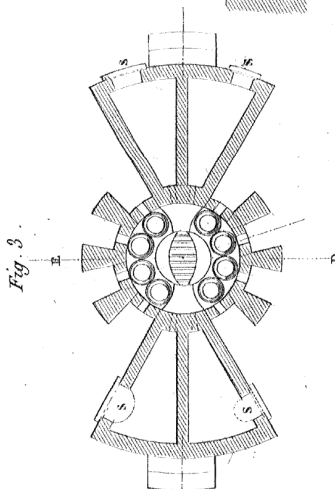
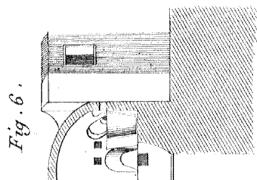
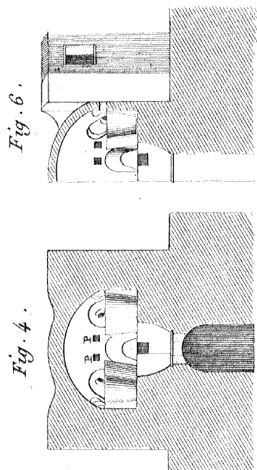
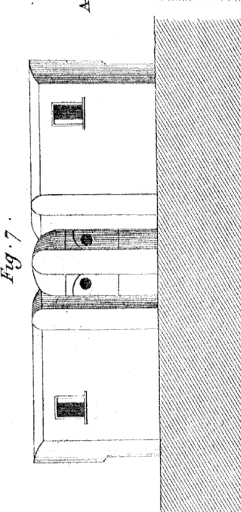
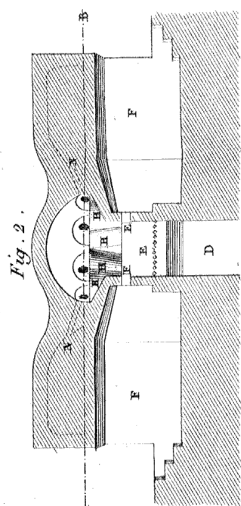
7.18.

*Machine propre à diviser en fils les bandes de Caoutchouc obtenues à l'aide de la machine représentée Fig 1 et Fig. 2.*

### Fusion de la Copale.

*Disposition des roues.*

Four à vitres (à la Houille.)



3 Mètres. 2 1 0 1 2 3 4 5 6 7 8 Mètres.

Vin.

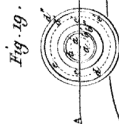


Fig. 13.

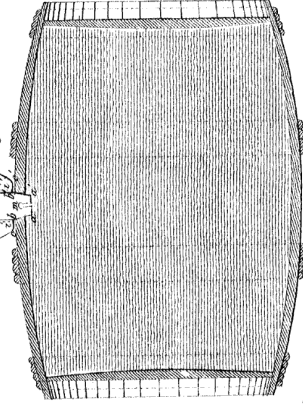


Fig. 17.

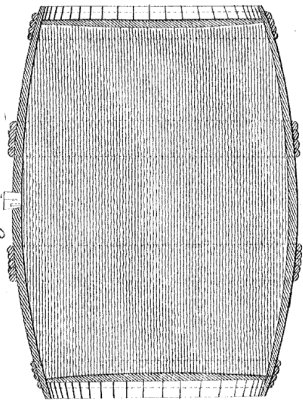


Fig. 15.

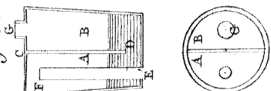


Fig. 16.

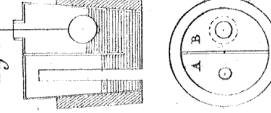


Fig. 10.

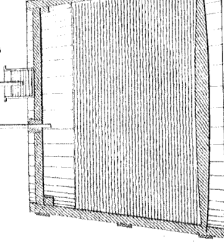
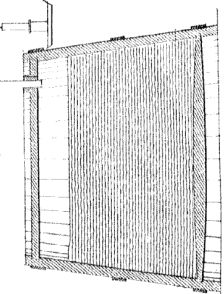


Fig. 9.





Verre à vitres (au bois)

Fig. 1.

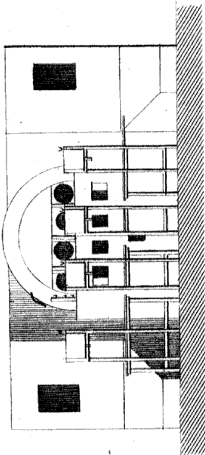


Fig. 3.

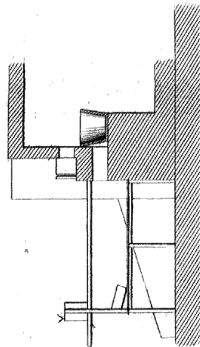


Fig. 6.

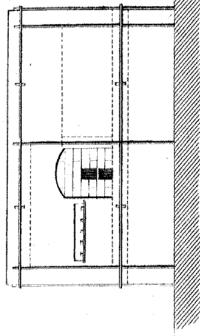


Fig. 8.

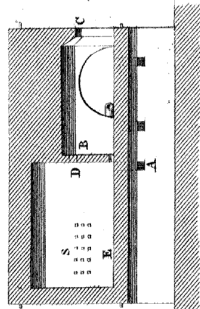


Fig. 2.

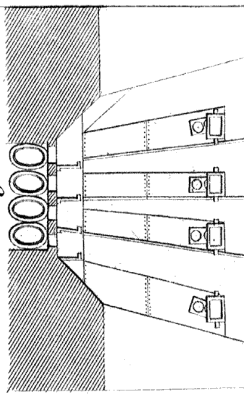


Fig. 5.

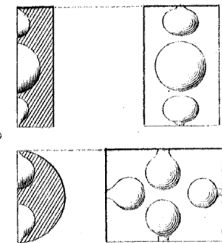


Fig. 4.

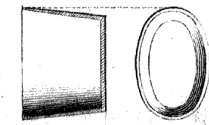


Fig. 12.



Fig. 9.

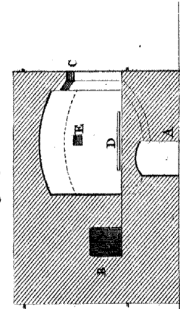


Fig. 7.

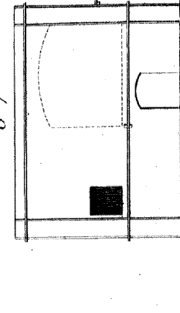


Fig. 20.

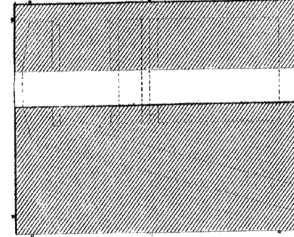
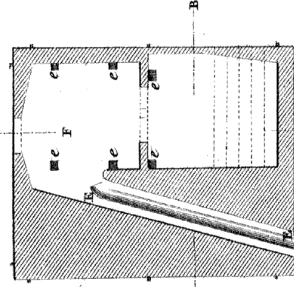
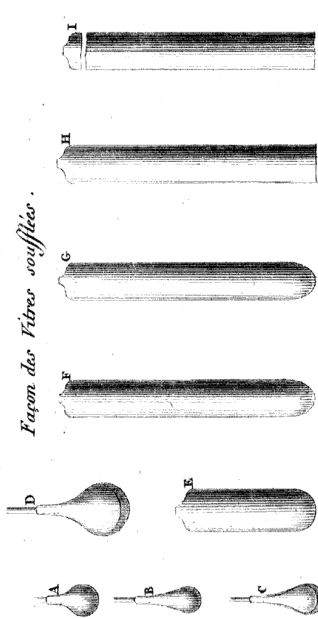


Fig. 11.



Facon des Vitres soufflées.



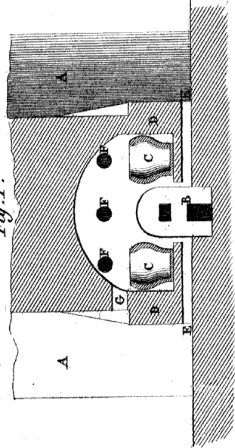
8 Mètres.

6 Mètres.

*Verre en tables.*

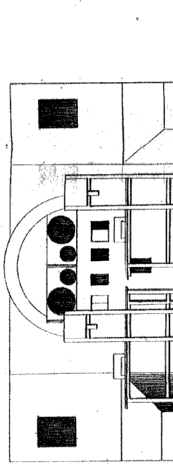
*Four à boudines*

*Fig. 1.*



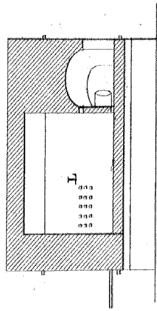
*Four à verre en tables.*

*Fig. 3.*

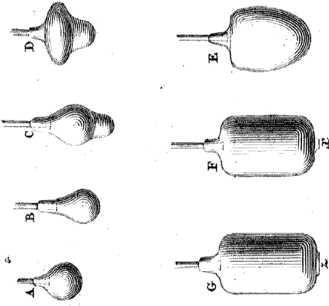


*Four à étendre le verre en tables.*

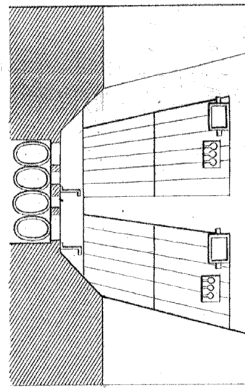
*Fig. 5.*



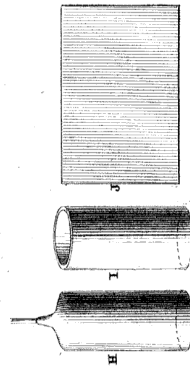
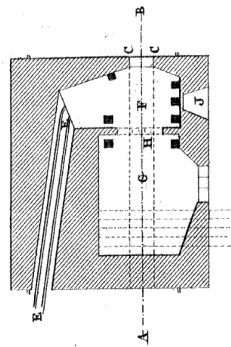
*Façon du verre en tables.*



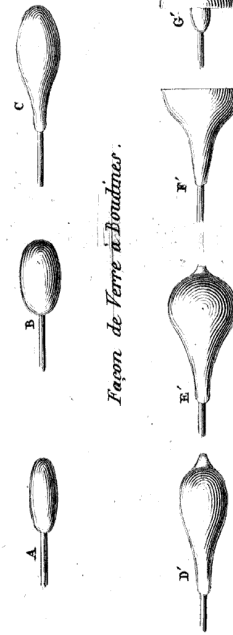
*Fig. 4.*



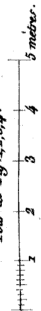
*Fig. 6.*



*Façon de verre à boudines.*



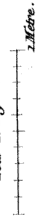
*Pour les Fig. 2, 3, 4.*



*Pour les Fig. 5 et 6.*



*Pour les Fig. A, J.*



*Pour les Fig. H, I, L.*



Four à glaces coulées.

Fig. 1.

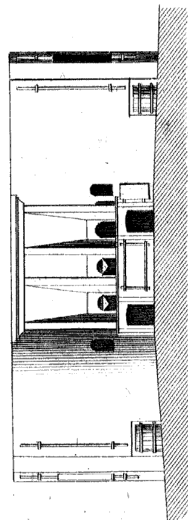


Fig. 3.

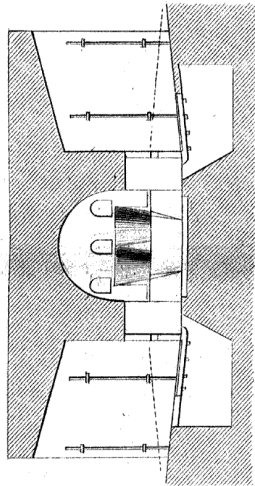


Fig. 2.

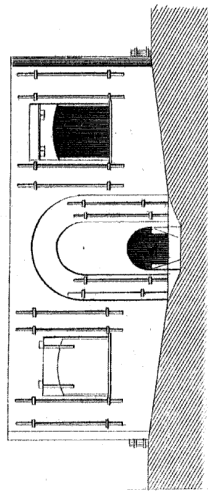


Fig. 4.

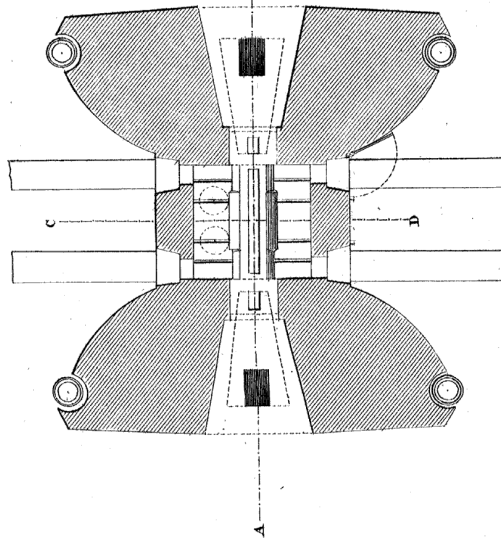


Fig. 5.

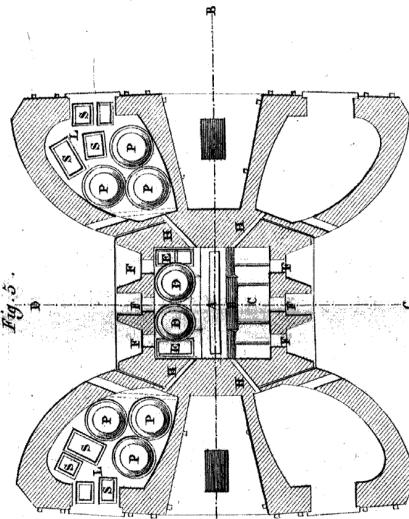


Fig. 7.

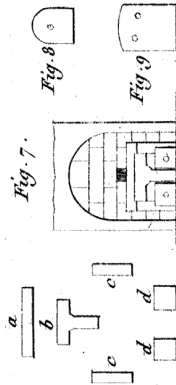
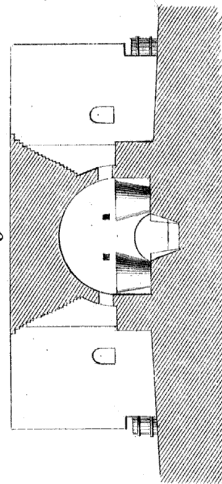


Fig. 9.



Fig. 6.



24 Pieds

12 Mètres

Verrerie allemande.

Four à bouteilles,  
(chauffé au bois.)

Fig. 1.

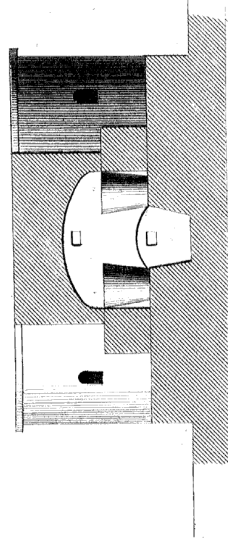


Fig. 2.

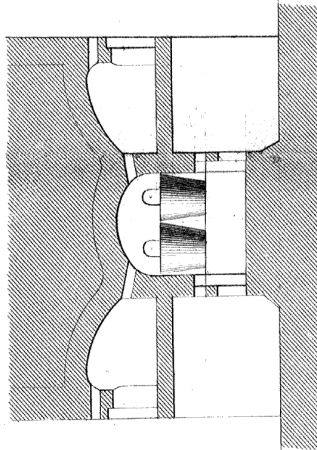


Fig. 3.  
Four à bouteilles,  
chauffé au bois.

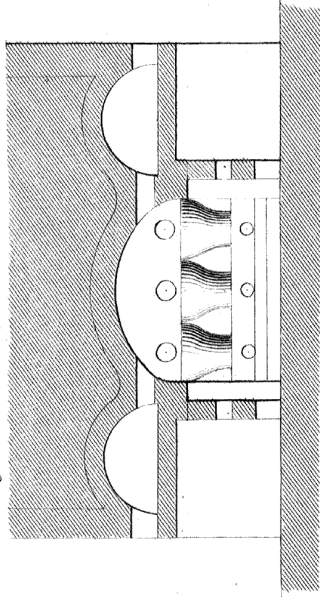
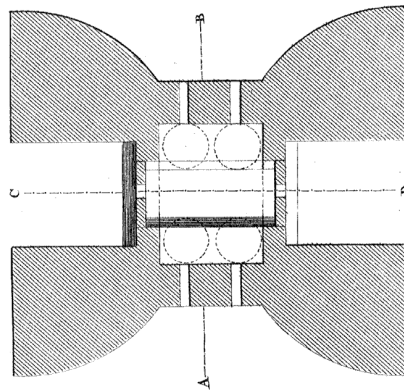
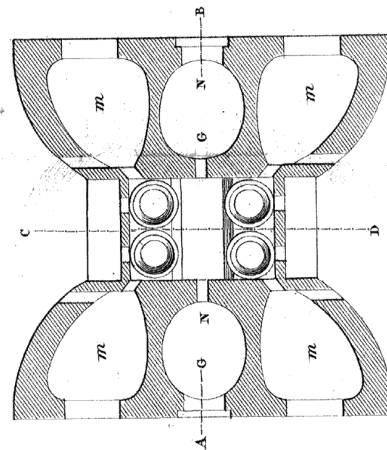


Fig. 3.



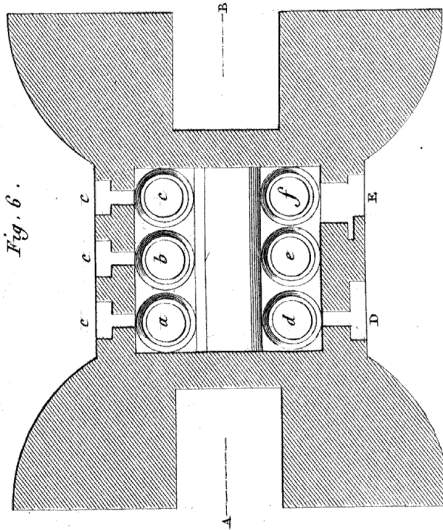
1 2 3 4 5 Mètres.

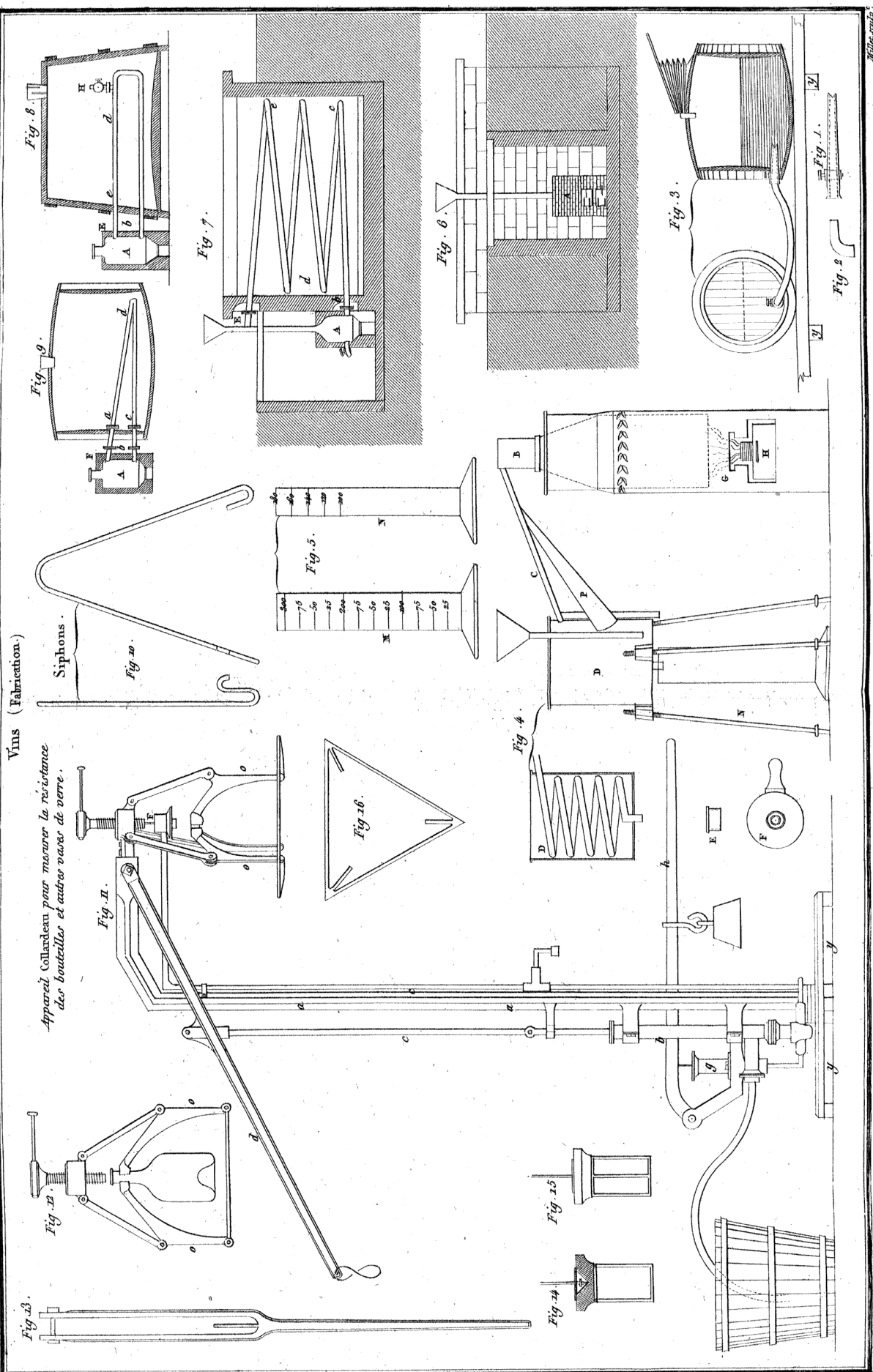
Fig. 4.



1 2 3 4 5 Mètres.

Fig. 6.





Traitement métallurgique du Zinc.

Fourneau à réverbère pour le grillage de la Calamine à Tarnowitz.

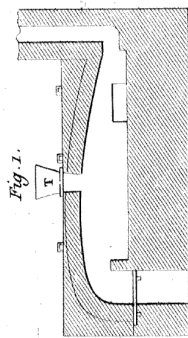


Fig. 1.

Coupe suivant AB du Fig. 2.

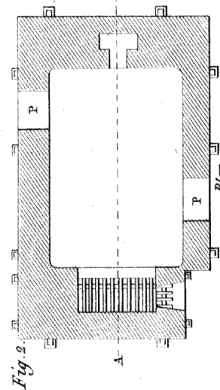


Fig. 2.

Fourneau de distillation de Tarnowitz.

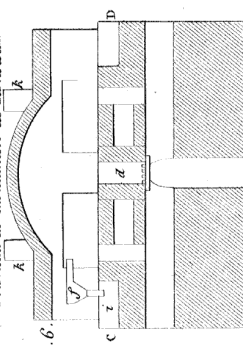


Fig. 6.

Coupe suivant AB.

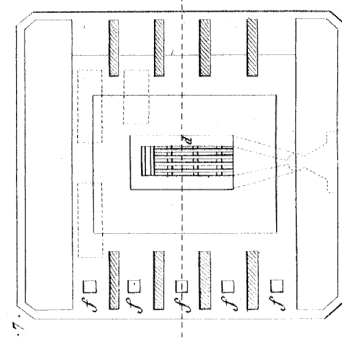


Fig. 7.

Plan à la hauteur CD de la Coupe.

Fourneau de grillage de la Calamine à Lwytok.

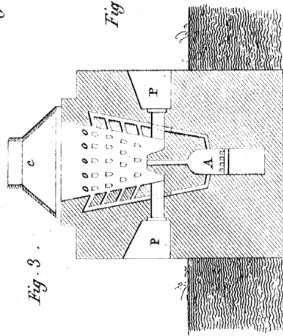


Fig. 3.

Coupe parallèle à MN.

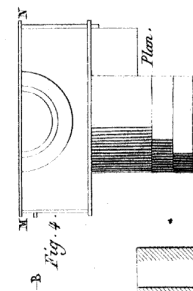


Fig. 4.

Fourneau de grillage de la Blende des Gröner.

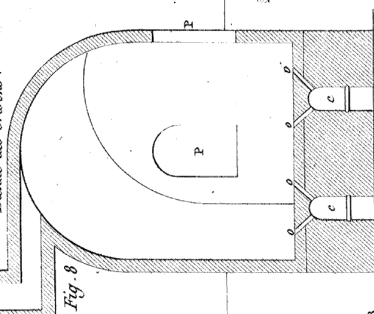


Fig. 8.

Coupe suivant AB.



Fig. 9.

Plan au niveau de la sole.

Fourneau de grillage de la Calamine à Lwytok.

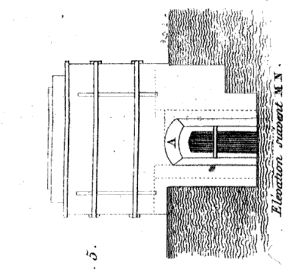


Fig. 5.

Elevation suivant MN.

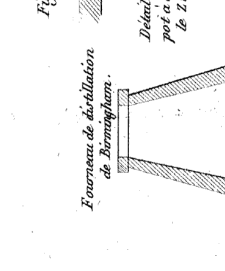


Fig. 13.

Fourneau de distillation de Bornaphon.

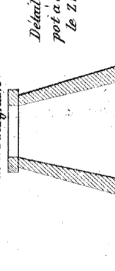


Fig. 14.

Détail d'un port à distiller le zinc.



Fourneau pour la distillation du zinc à Lwytok.

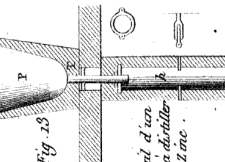


Fig. 16.

Détail d'un port à distiller le zinc.



Fig. 17.

Elevation du fourneau avec les cylindres.

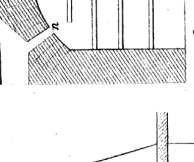


Fig. 20.

Coupe suivant AB, les cylindres sont enlevés.

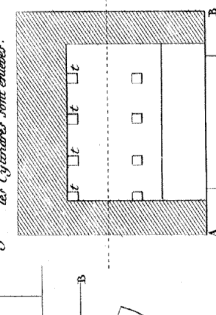


Fig. 25.

Plan.

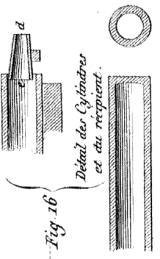


Fig. 18.

Détail des cylindres et du récipient.

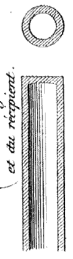


Fig. 19.

Coupe transversale du four et de la chauffe.



Fig. 21.

# ARTS CHIMIQUES.

## DÉTAIL DES PLANCHES.

Nos. d'ordre.

1. Appareil pour la fabrication du vinaigre radical par le verdet, fabrication de l'acide pyroligneux.
2. Appareil pour la fabrication de l'acide nitrique et de l'acide hydrochlorique.
3. Appareil pour la fabrication de l'acide sulfurique.
4. Appareils de chimie.
5. Argent, amalgamation.
6. Assainissement, tuyaux ventilateurs, mesure de la vitesse de l'air.
7. Bagasse, bière, bleu, briquettes.
8. Blanchiment, blanchissage.
9. Borax, bronze.
10. Caléfacteur et cuisine, chaleur, rayonnement.
11. Carbonates d'ammoniaque, céruse.
- 11 bis. Chaleur, cheminées et poêles.
12. Chaleur, calorifères.
13. Chaleur et combustible, calorimètre de glace, calorimètre d'eau, charbon.
14. Chaux (fours à).
15. Colle forte, cristal, cheminées.
16. Chlorate de potasse, chloromètre, moulin à cacao.
17. Cirier.
18. Coupellation, coupelles, cuves.
19. Cuir de Russie, cuisine salubre.
20. Désinfection, eudiométrie, travail du fer.
21. Distillation, digesteur.
22. Eaux minérales artificielles.
23. Gazomètre.
24. Éclairage au gaz.
25. Éclairage au gaz lighth.
26. Éclairage au gaz lighth de la houille, décolorimètre, et partie de la planche 25.
27. Étain, travail de l'étain en Angleterre, lavage de l'étain en Saxe.
28. Étuve, gazomètre, gélatine.
29. Fonte (fusion des minerais de fer), haut fourneau au charbon de bois, haut fourneau au coke.
30. Fonte, affinage de la fonte, plan d'une affinerie.
31. Fonte moulée (travail de la), fourneau à réverbère, fourneau à manche.
32. Fourneaux des chaudières à vapeur.
33. Fourneaux pour le traitement du minerai de cuivre.
34. Fourneaux pour l'affinage du cuivre.
35. Fourneaux pour le cristal.
36. Fourneaux de laboratoire, fourneaux de cuisine.
37. Préparation et coulage des glaces, plan d'une halle, coupe du four.
38. *Idem.* *Idem.* plan géométral du four.
39. *Idem.* *Idem.* chariot à tenailles, grande et petite cuvettes, potence.
40. Goudron, hydrogène carboné, houblon.
41. Incubation artificielle et régulateur du feu.
42. Moulin pour broyer l'indigo, laboratoire de chimie.
43. Laboratoire de chimie.
- 43 bis. Laiton, fourneaux à laiton et à recuire les feuilles de laiton.
44. Liège, mastic.
45. Orseille, manganèse, nitrate d'argent fondu.
46. Traitement du mercure.
47. *Idem.* *Idem.*
48. Métallurgie (préparation mécanique du minerai)
49. Mines (exploitation des).
- 50 et 51 une seule planche. Mortiers et noirs.
52. Phosphore, potassium, pipettes.

Nos. d'ordre.

53. Pierres à fusil, moulin à tailler et polir les agathes, les pierres précieuses.
54. Fourneaux employés dans le traitement du minerai de plomb.
55. Plâtre, pomme de terre, piquette.
56. Peintures vitrifiables.
- 57.
- 58.
- 59.
60. Poteries, arts chimiques et céramiques.
- 61.
- 62.
- 63.
64. Poudre à canon (fabrication).
- 65.
66. Fabrication du savon.
67. Réfrigérant des brasseurs.
- 68 et 69 une seule planche. Résine, rhum, salle de spectacle (salubrité).
70. Salines.
- 71 et 72 une seule planche. Fabrication du savon.
73. Soufre (fabrication).
74. Sel ammoniac (fabrication).
75. Séchoirs à chaud et à froid, soude.
76. Soude, sucre.
77. Sucre, laveur de betteraves.
78. Sucre, râpe à betteraves.
79. Sucre, atelier de fabrication.
80. Sucre, presse à cylindres.
81. Sucre, divers ustensiles.
82. Sucre, système de filtres et de chaudières, pompe à sonnette, chaudière à déféquer.
83. Sucre, appareil à cuire les sirops.
84. Sucre, appareil à cuire les sirops.
85. Sucre, moulins ou pressoirs des cannes à sucre.
86. Sucre, filtres de Taylor, filtres de Dumont.
87. Sucre, appareil à saccharifier la fécule.
88. Fabrication de la tôle.
89. Toiles cirées, tissus élastiques, fil de caoutchouc, vernis à l'alcool, vernis gras, fusion de la copale.
90. Four à vitres, à la houille, vin (ustensiles pour la fabrication).
91. Verre à vitres (au bois).
92. Verre en tables.
93. Four à glaces coulées.
94. Verrerie allemande.
95. Vin (fabrication du).
96. Traitement métallurgique du zinc.