GROUPE DE TROIS CHAUDIÈRES A BOUILLEURS.

Coupes Verticales

Fig. 1 — Coupe longitudinale suivant 2-2.

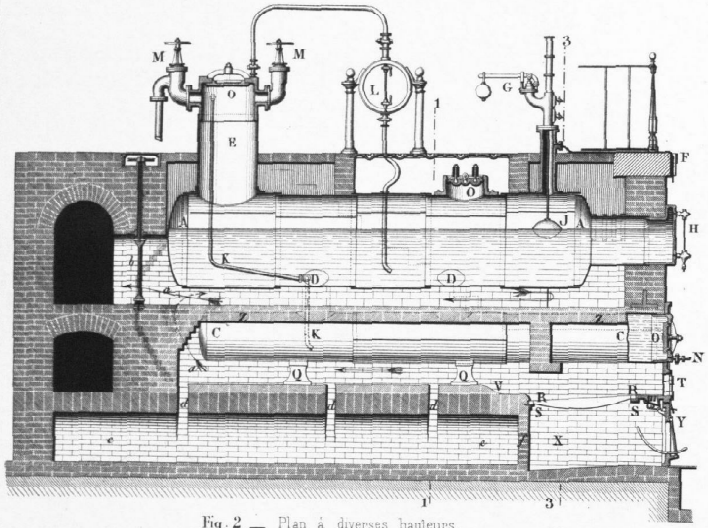


Fig. 3 — Elévation.

Fig. 4 — Suivant 1-1.

Fig. 5 — Suivant 3-3.

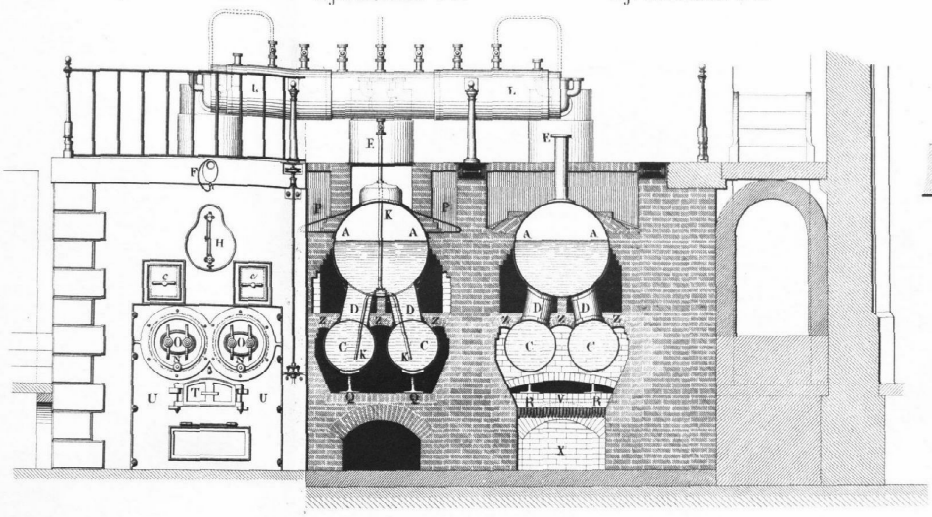


Fig. 6 — Foyer

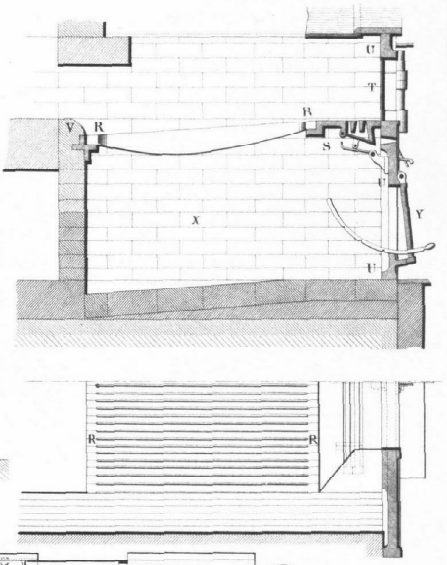


Fig. 2 — Plan à diverses hauteurs.

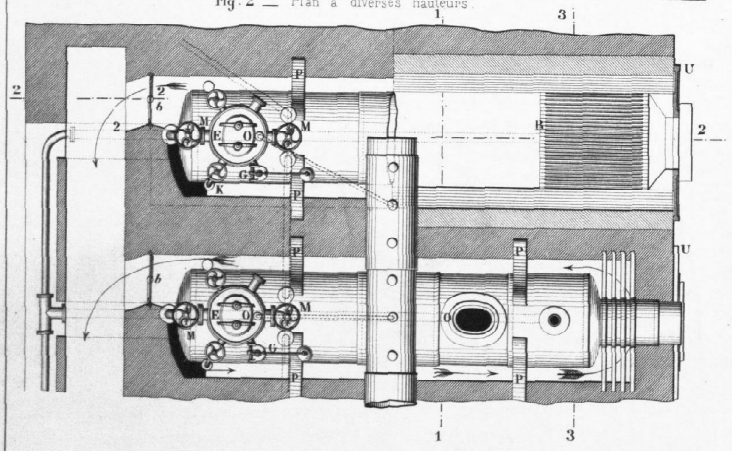


Fig. 7 — Commande du Registre.

Fig. 8 — Registre.

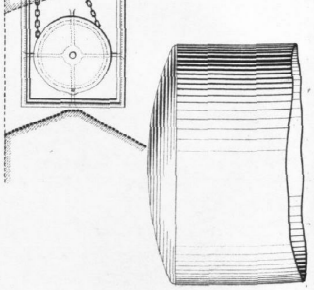


Fig. 9 — Oreilles.

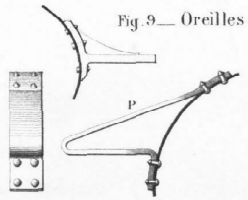


Fig. 10 — Trou d'homme

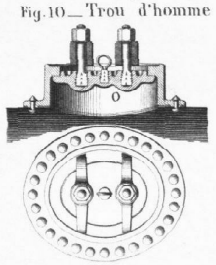
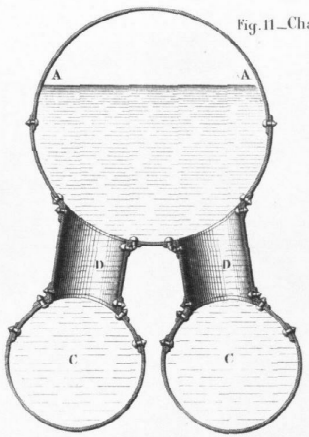
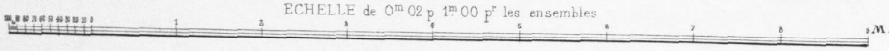


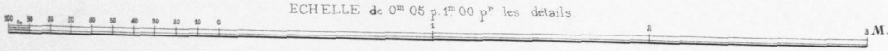
Fig. 11 — Chaudière



ECHELLE de 0m 02 p. 1m 00 pr les ensembles



ECHELLE de 0m 05 p. 1m 00 pr les details



J. Degrun del.

Imp. J. Monrocq. Paris.

Autog. Soc. E. Gillet, Su. P. Guy-Lucas. PARIS.

MACHINE A VAPEUR HORIZONTALE A CONNEXION DIRECTE.

Fig. 1_Vue d'ensemble.

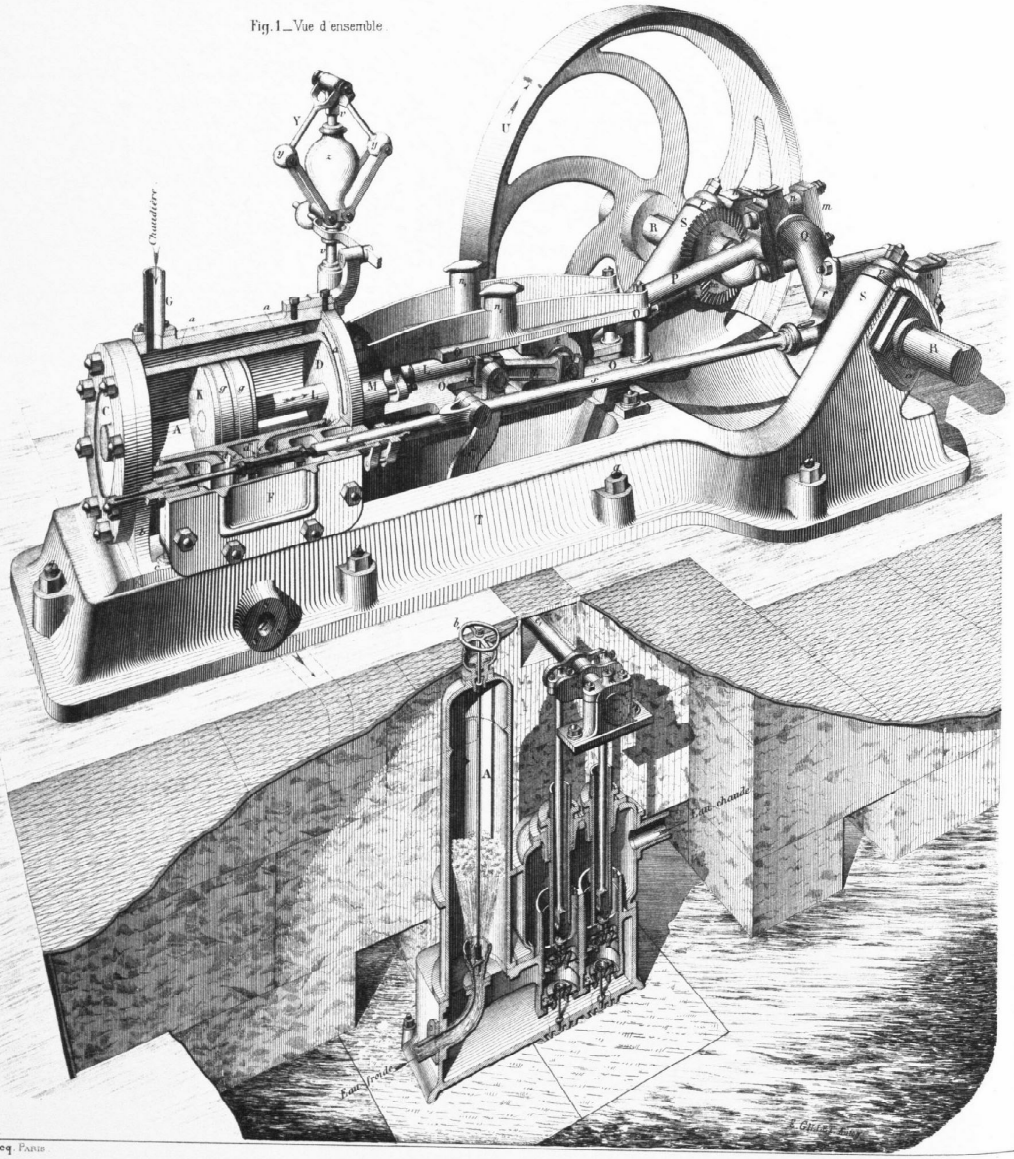


Fig. 2_Elévation latérale.

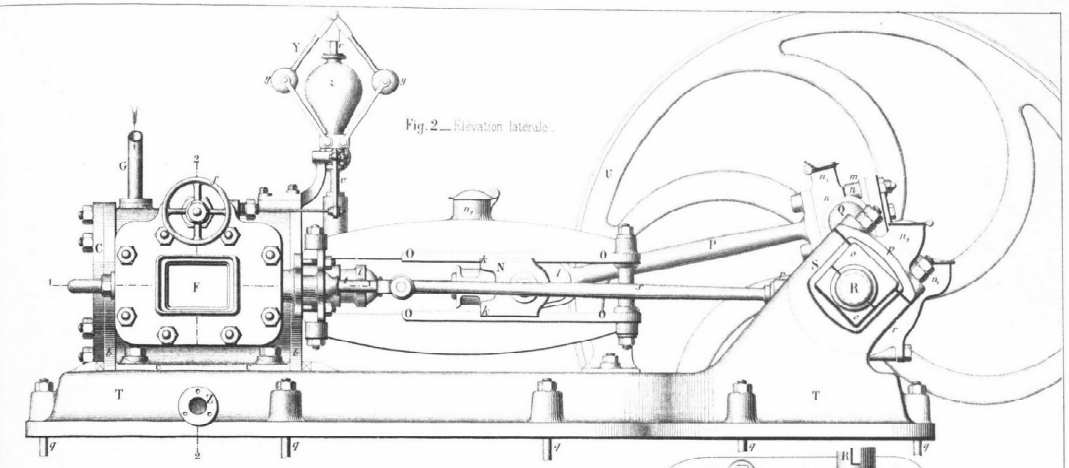


Fig. 3_Plan.

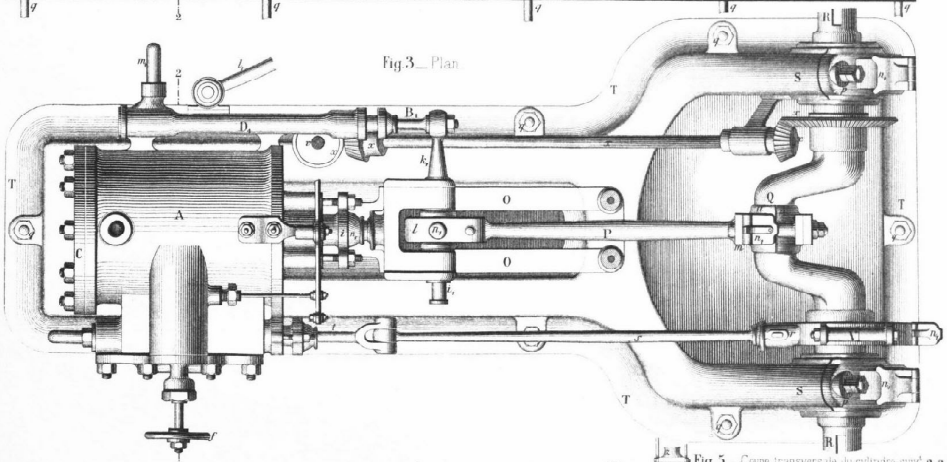


Fig. 4_Coupe longitudinale du cylindre suivt 1-1.

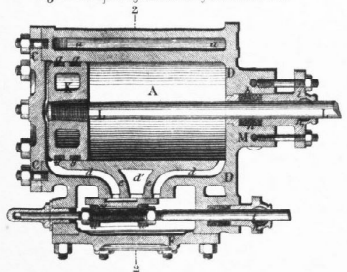
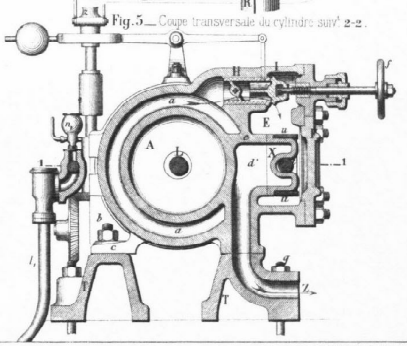


Fig. 5_Coupe transversale du cylindre suivt 2-2.



Imp. Monrocq, PARIS.

Autog. Gillet, Jo B. Gay Lussac PARIS.

TABLES DE LA VAPEUR D'EAU._ BASSES ET MOYENNES PRESSIONS.

VAPEUR D'EAU SATURÉE. BASSES PRESSIONS.

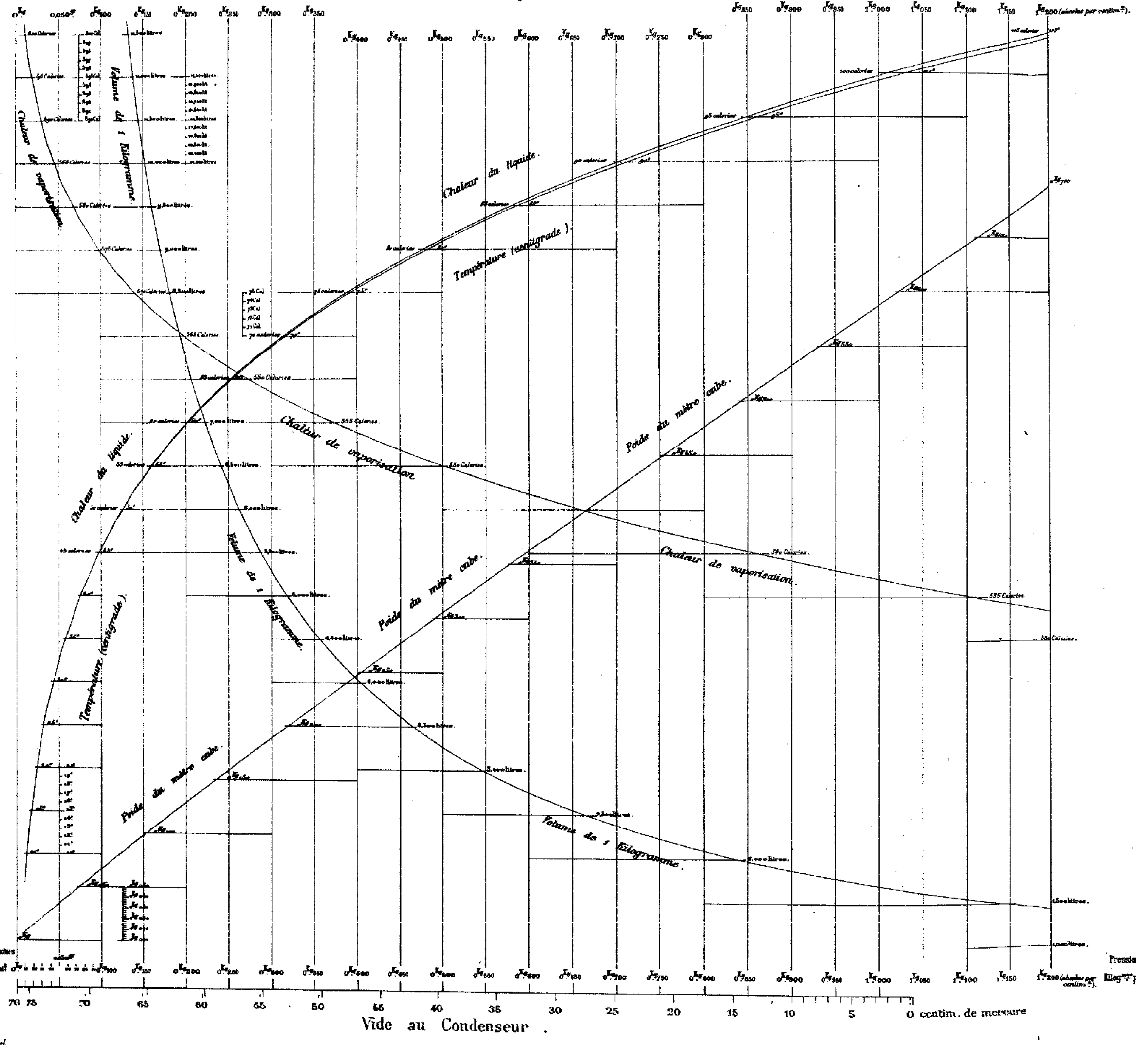
(de 0^{Kg} à 1^{Kg}200 par centimètre carré).

ABSCISSES.

Pressions en Kilogrammes par centimètre carré. Echelle 0^{m}20 pour 1 Kilogramme.

ORDONNÉES.

Températures (centigrades) Echelle 0^{m}02 pour 10°.
Chaleur du liquide ... d° 0^{m}02 pour 10 calories.
Chaleur de vaporisation ... d° 0^{m}02 d° d°
Poids du mètre cube ... d° 0^{m}25 pour 1 Kilogr.
Volume du Kilogramme ... d° 0^{m}02 pour 1000 litres.



VAPEUR D'EAU SATURÉE. MOYENNES PRESSIONS.

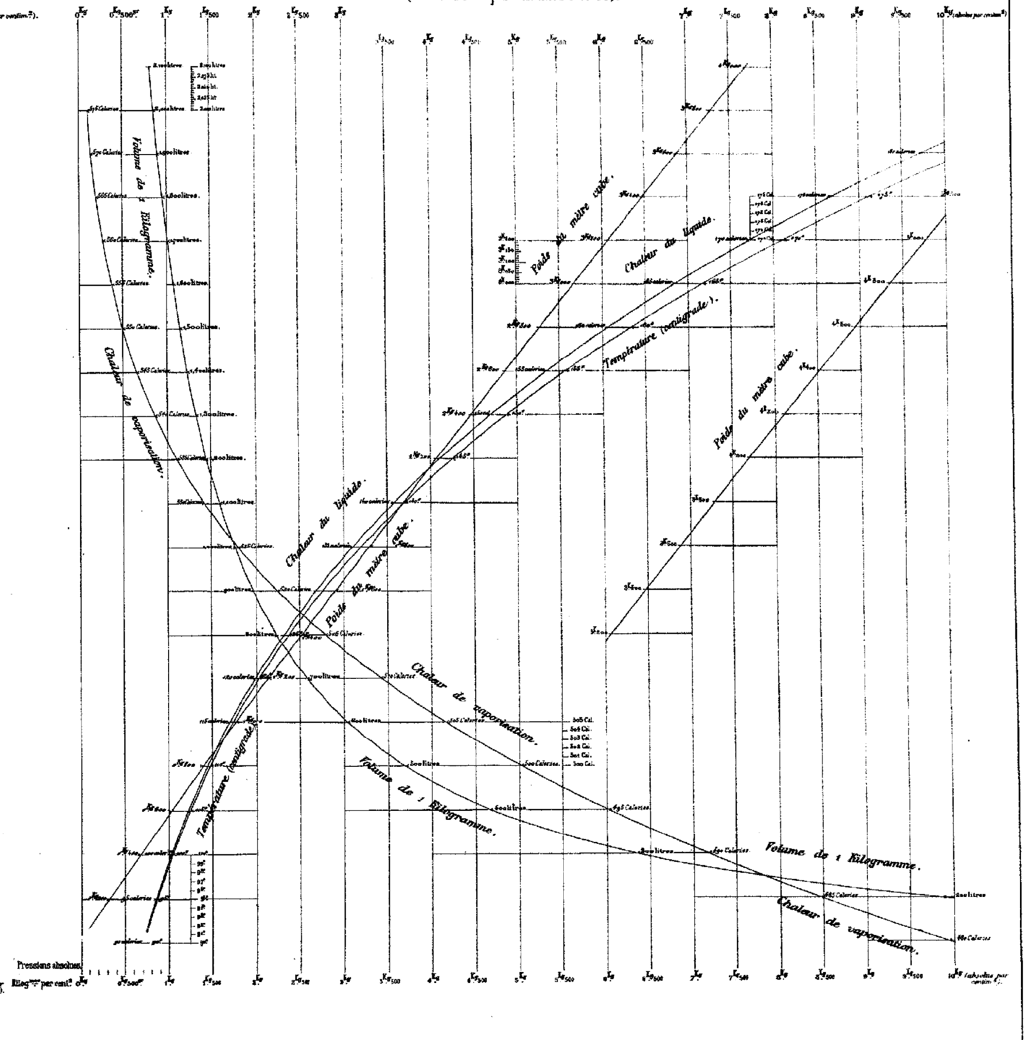
(de 0^{Kg} à 10^{Kg} par centimètre carré).

ABSCISSES.

Pressions en Kilogrammes par centimètre carré. Echelle 0^{m}02 pour 1 Kilogramme.

ORDONNÉES.

Températures (centigrades) Echelle 0^{m}02 pour 10°.
Chaleur du liquide d° 0^{m}02 pour 10 calories.
Chaleur de vaporisation d° 0^{m}02 d° d°
Poids du mètre cube d° 0^{m}05 pour 1 Kilogr.
Volume du Kilogramme d° 0^{m}01 pour 100 litres

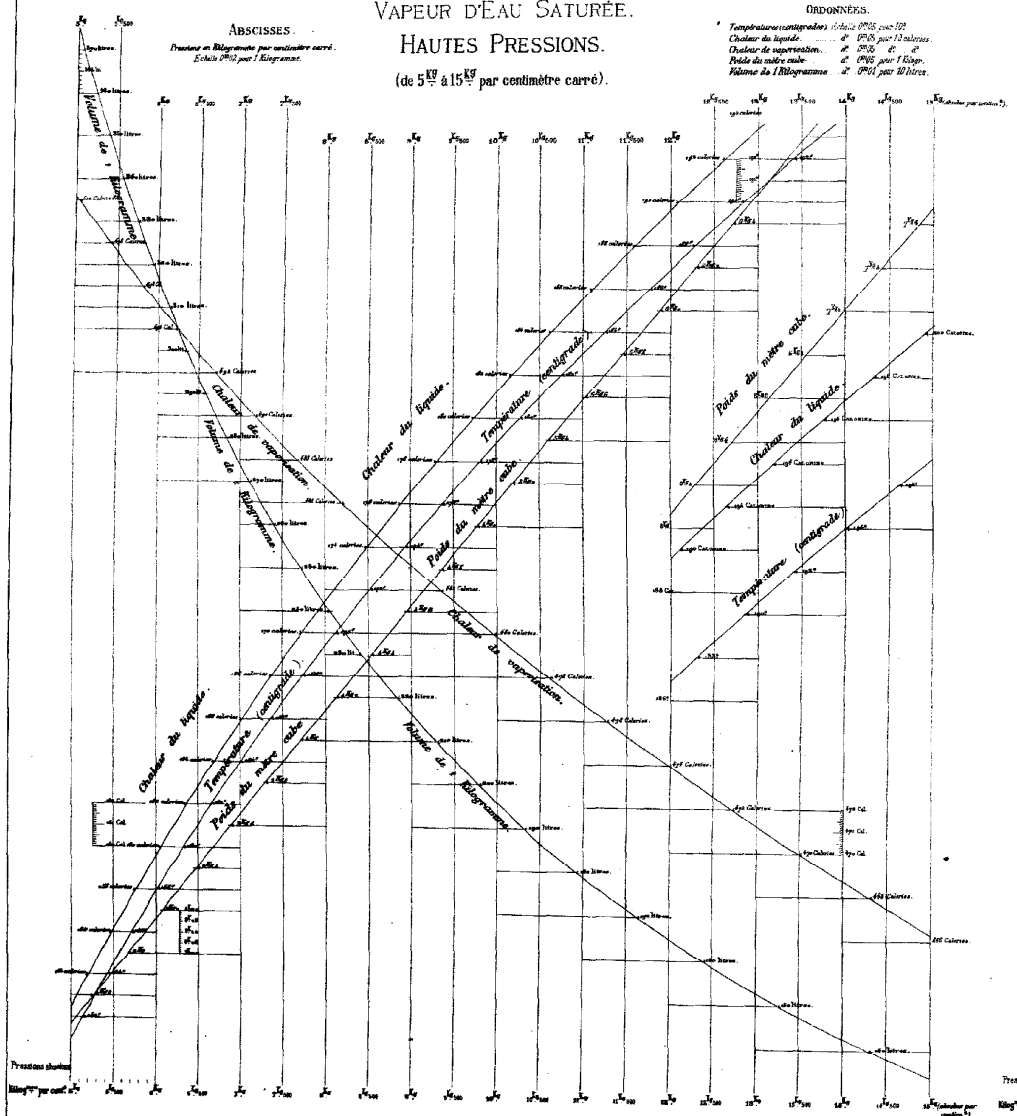


J. Digeon del.
Imp. J. Mauroocq, Paris.
Autog. (Zinc) E. Gillet, 30, R. Gay Lussac, Paris.

TABLES DE LA VAPEUR D'EAU. – HAUTES ET TRES-HAUTES PRESSIONS.

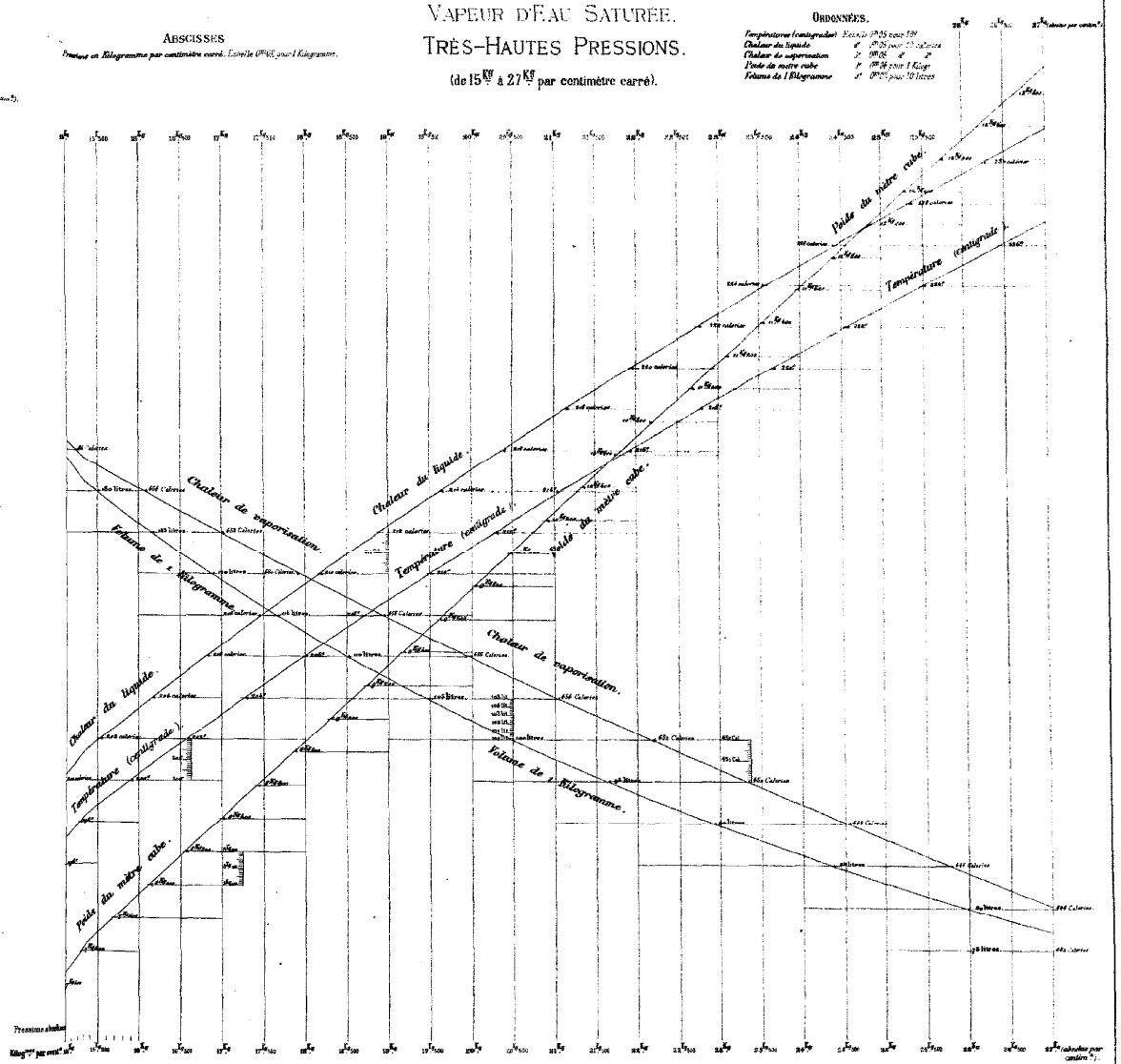
VAPEUR D'EAU SATURÉE. HAUTES PRESSIONS.

(de 5 Kg à 15 Kg par centimètre carré).



VAPEUR D'EAU SATURÉE. TRÈS-HAUTES PRESSIONS.

(de 15 Kg à 27 Kg par centimètre carré).



J. Digeon. del

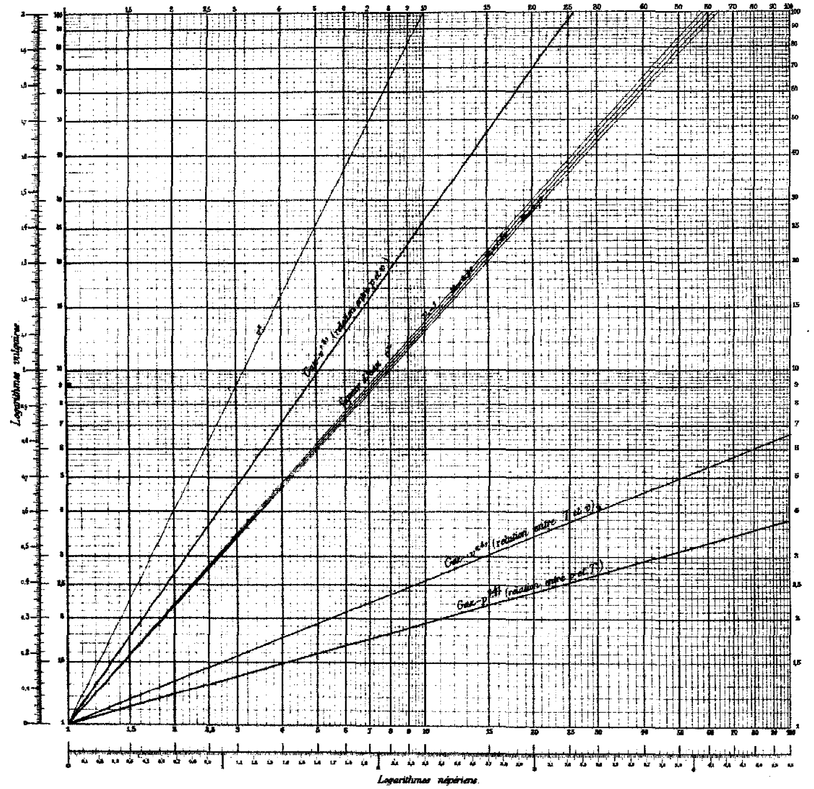
Imp. J. Monrocq, Paris.

Autog. (Zinc) E. Gillet, 3e. F. Gay-Lussac Paris.

Détente Adiabatique des Gaz Permanents et de la Vapeur d'Eau

Gaz Permanents.	Notations.	Vapeur d'eau. (Zeuner)
$pv^{1,41}$ = Const.	p_1, v_1, T_1 pression, volume, température absolue au commencement de la détente.	pv^{μ} = Const.
$Tv^{0,41}$ = Const.	p, v, T pression, volume, température absolue à la fin de la détente.	$\mu = 1{,}035 + 0{,}10\,x_1$ ($x_1 > 0{,}70$)
$\frac{p^{\frac{0,41}{1,41}}}{T}$ = Const.	x_1 proportion de vapeur dans la vapeur humide, au commencement de la détente.	Trav. $= \frac{p_1 v_1}{\mu - 1}\left[1 - \left(\frac{v_1}{v}\right)^{\mu - 1}\right]$
Trav. $= \frac{p_1 v_1}{0,41}\left[1 - \left(\frac{v_1}{v}\right)^{0,41}\right]$		

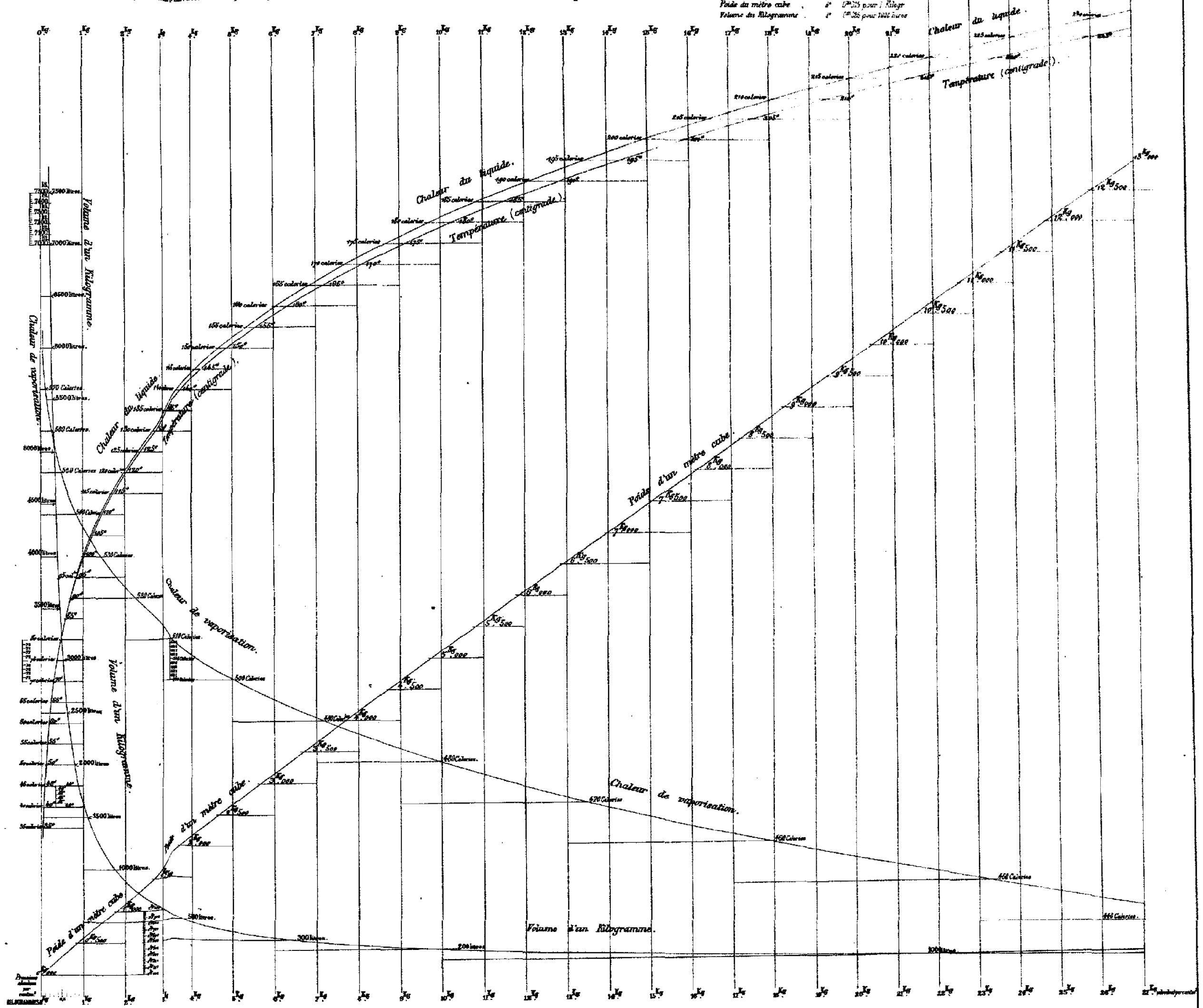
Logarithmes népériens et Logarithmes vulgaires.



Vapeur d'Eau Saturée
Tableau Récapitulatif
de 0^{Kg} à 27^{Kg} par centim$^{tre\,2}$

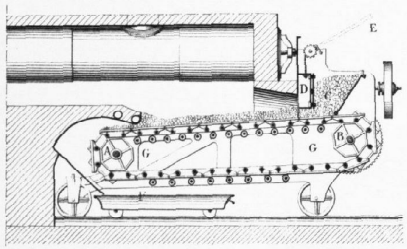
Abscisses.
Pressions en Kilogrammes par centimètre carré. Echelle 0m01 pour 1 Kilogramme.

Ordonnées.
Températures (centigrades) Echelle 0m01 pour 10°
Chaleur du liquide d° 0m01 pour 10 calories
Chaleur de vaporisation d° 0m01 d° d°
Poids du mètre cube d° 0m025 pour 1 Kilogr
Volume du Kilogramme d° 0m05 pour 1000 litres



FOYERS.

Fig. 1 — Grille mobile de Juckes.



Foyer Ten - Brink.
pour Locomotive.

Fig. 2 — Grille Langen.

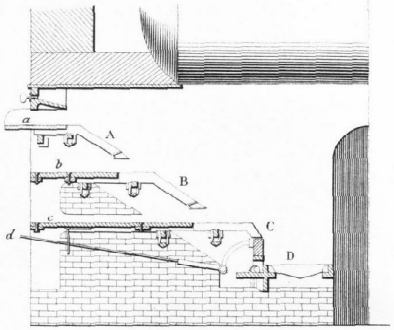


Fig. 3 — Coupe transversale.

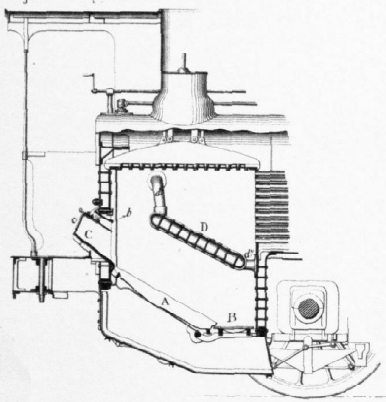


Fig. 4 — Vue d'arrière

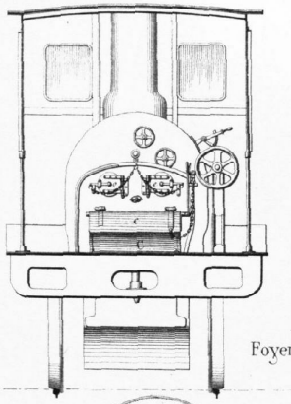
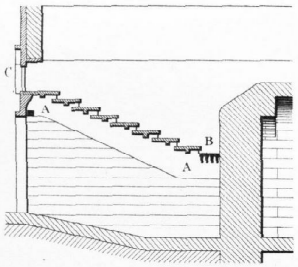


Fig. 7 — Grille à Gradins.
de M.M. de Marsilly et Chobrzinski.



Foyer Fumivore Turck.

Fig. 5 — Plan.

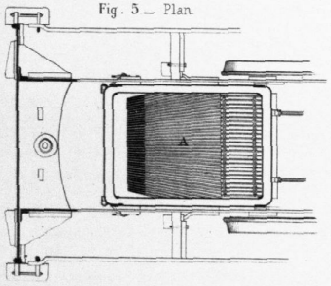


Fig. 9.
Elévation

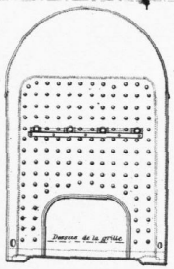
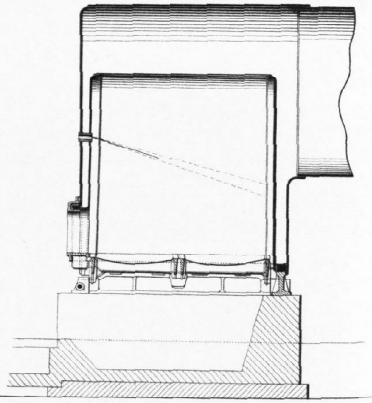


Fig. 10 — Coupe.



Foyer Ten - Brink.
pour Chaudière fixe.

Fig. 6 — Coupe transversale.

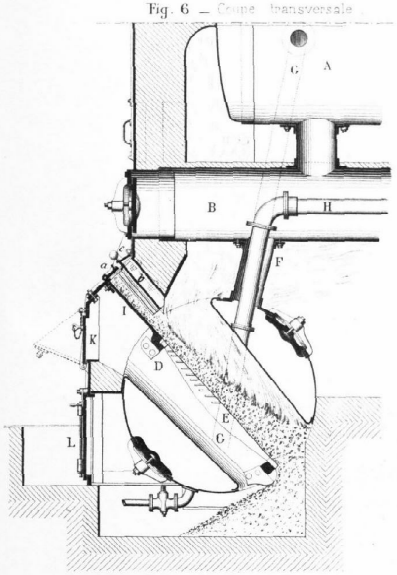
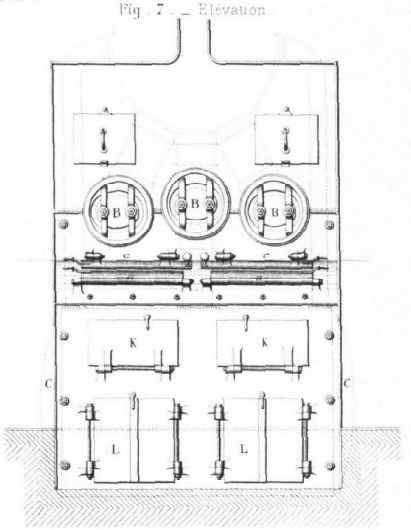


Fig. 7 — Elévation.



Fumivore Belleville.

Fig. 8 — Plan & Coupe horizontale.

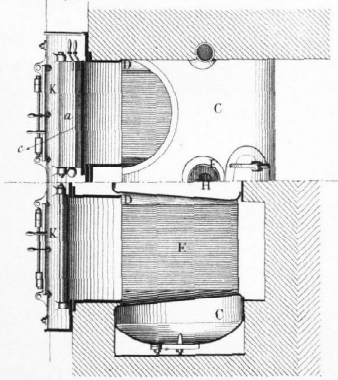


Fig. 12 — Coupe transversale.

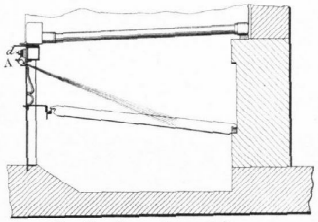


Fig. 13 — Elévation

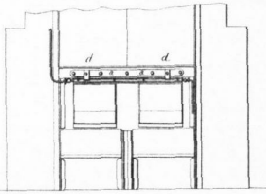


Fig. 14 — Coupe horizontale.

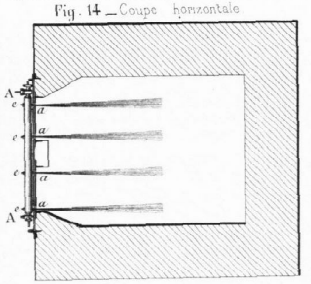


Fig. 15 — Détails

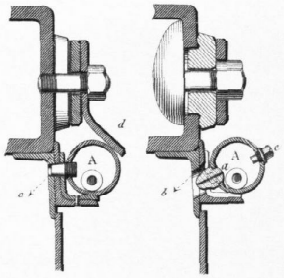
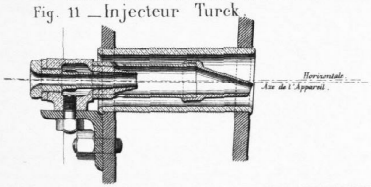


Fig. 11 — Injecteur Turck.

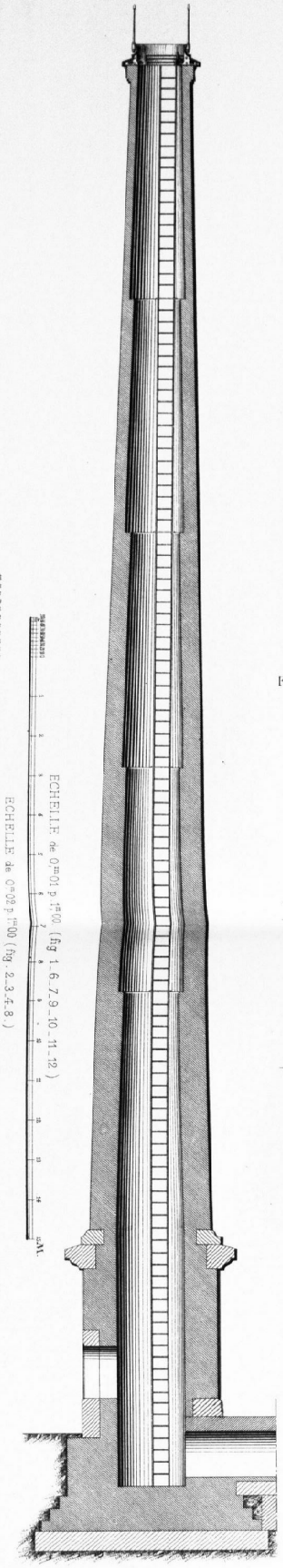


J. Digeon del.
Imp. J. Monrocq, Paris.

Autog. Zinc. E. Gillet, Se. R. Gay Lussac, Paris.

CHEMINÉES.

Fig. 1 – Cheminée en briques.



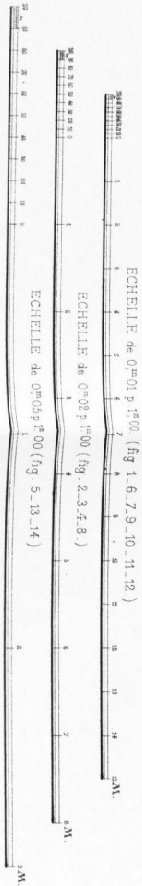


Fig. 2 – Chapiteau avec Couronnement en fonte.

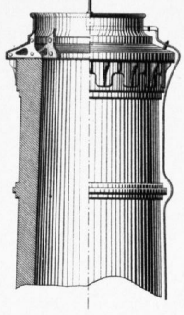


Fig. 3 – Plan du Couronnement en fonte.

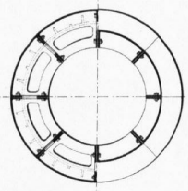


Fig. 4. Chapiteau en pierre de taille.

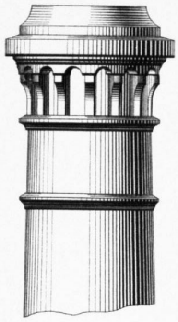


Fig. 5 – Détails de l'échelle.

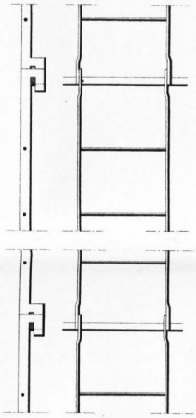


Fig. 6 – Elévation du Piédestal.

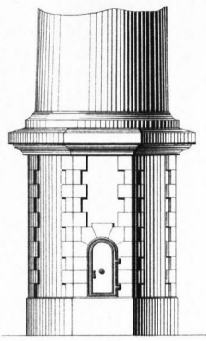


Fig. 7 – Plan du Piédestal

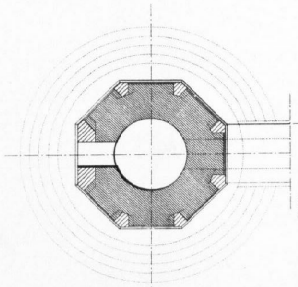


Fig. 8 – Détails du Piédestal.

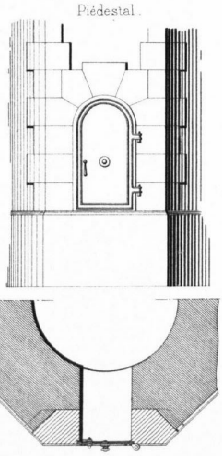


Fig. 13 – Chapiteau de la Cheminée en métal.

Fig. 10 – Cheminée en métal

Coupe verticale.

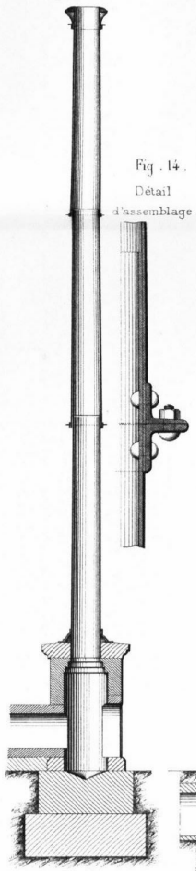


Fig. 14. Détail d'assemblage

Fig. 11. Coupe horizontale du Piédestal

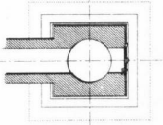


Fig. 12 Coupe par la Cheminée

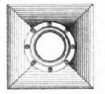
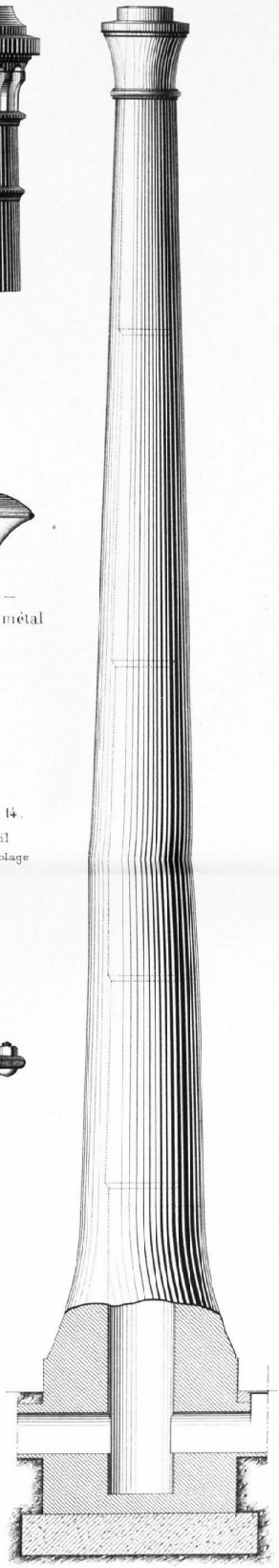


Fig. 9 Cheminée en briques.



Chaudière Chevalier, Grenier et Broux.

Fig. 4.
Coupe longitudinale

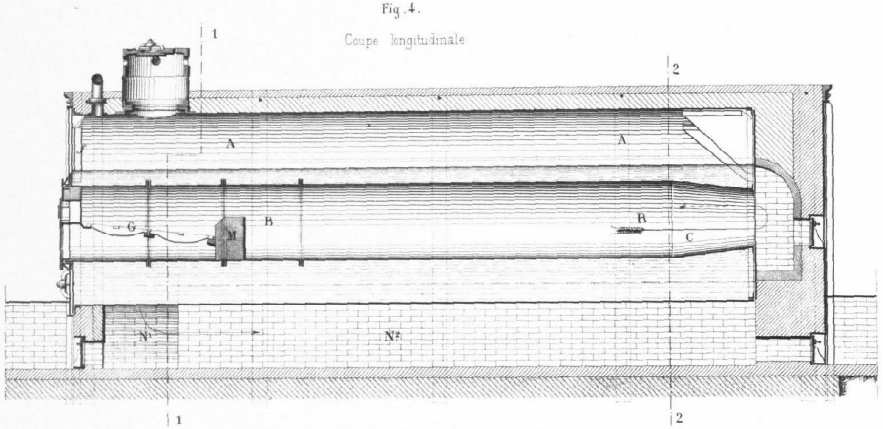


Fig. 5.
Elévation de face

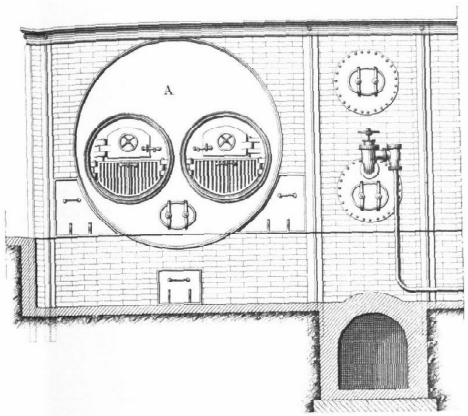


Fig. 6. Coupes transversales
suivant 1,1. (Fig. 4 & 7.) suivant 2,2. (Fig. 4 & 7.)

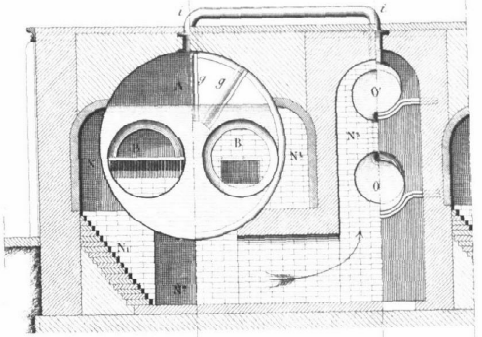


Fig. 7. Coupe horizontale.

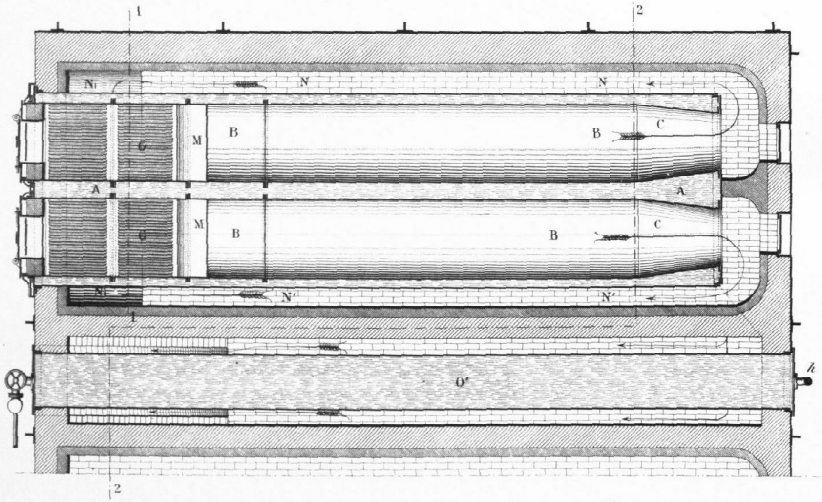
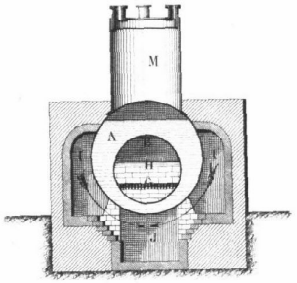
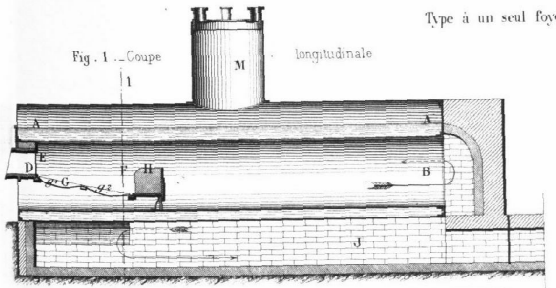


Fig. 3. Coupe transversale
suivant 1,1. (Fig. 1 & 2.)



Type à un seul foyer.

Fig. 1. _ Coupe longitudinale



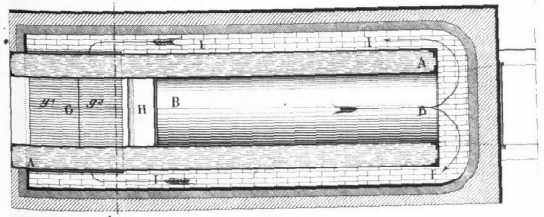


Fig. 2. _ Coupe horizontale

J. Digeon del.
Imp. J. Monrocq Paris

Autog. Lino. E. Gillet, 80 R. Gay-Lussac. Paris.

CHAUDIÈRES A FOYERS INTÉRIEURS.

Chaudière Galloway

Fig. 7. — Coupe Longitudinale suivant 3,3. (Fig. 9).

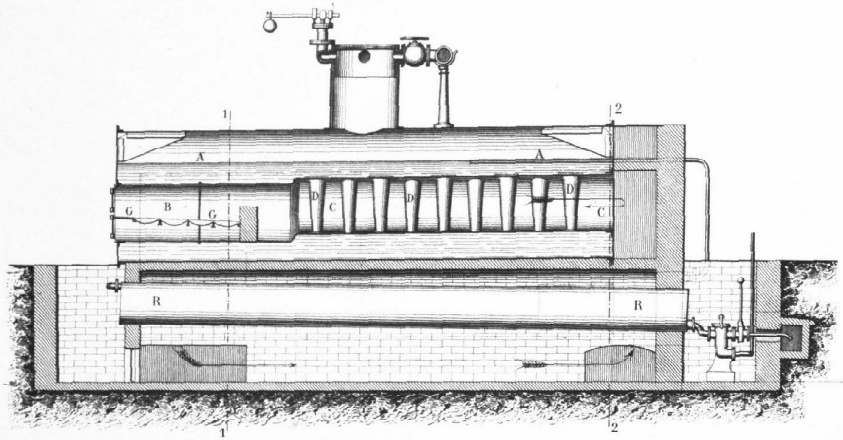


Fig. 8. Demi-Elévation.

Fig. 9. Demi-Coupe s^r 1,1. (Fig. 7.)

Fig. 10. Coupe suivant 2,2. (Fig. 7.)

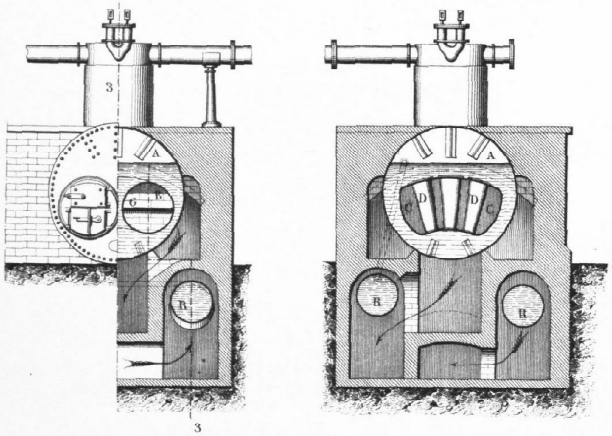
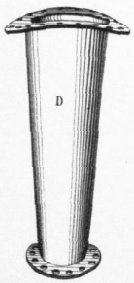


Fig. 11.

Tube Galloway.



ECHELLE de 0^m 10 p. 1^m 00. (fig. 11.)

0 10 20 30 40 50 60 70 80 90 1 M.

Type dit: de Lancastre.

Fig. 1. — Coupe Longitudinale.

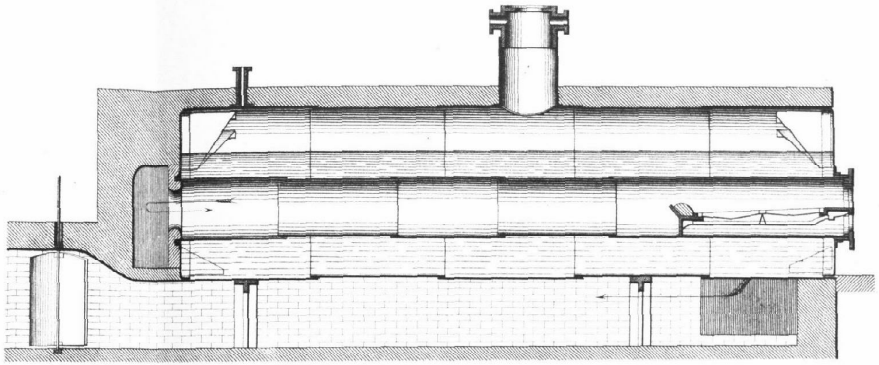
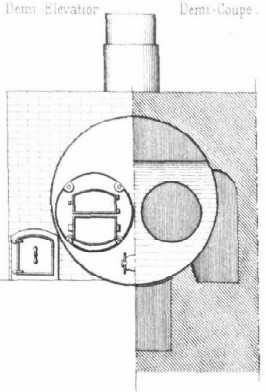


Fig. 2. Demi-Elévation.

Fig. 3. Demi-Coupe.



Type Fairbairn.

Fig 4. — Coupe Longitudinale.

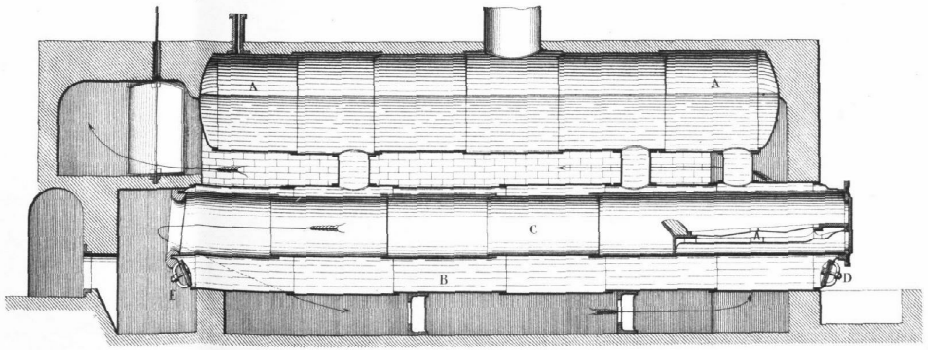
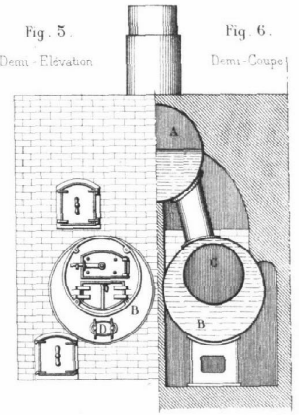


Fig. 5. Demi-Elévation.

Fig. 6. Demi-Coupe.



ECHELLE de 0^m 02 p. 1^m 00 (fig. 1 à 10.)

0 1 2 3 4 5 6 7 8 M.

J. Dupuy del.

Imp. J. Monrocq. Paris.

Autog. (Zinc.) E. Gillet, 30, R. Guy-Lussac. Paris.

CHAUDIÈRES TUBULAIRES ET VARIÉTÉS.

Chaudière tubulaire de la Cie de Fives-Lille.

Fig. 1. – Coupe longitudinale.

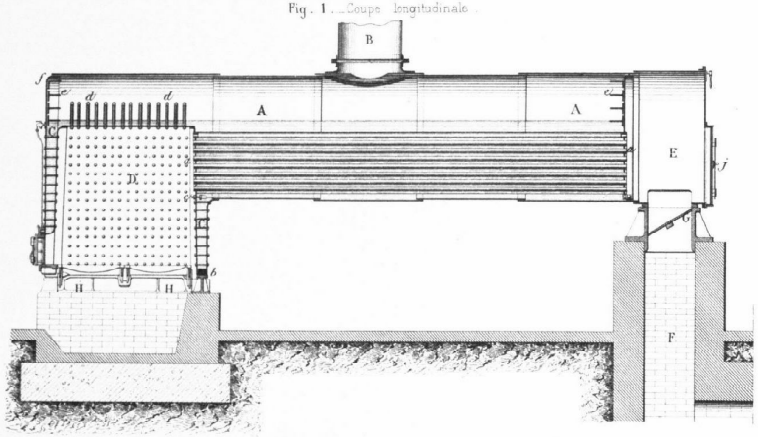
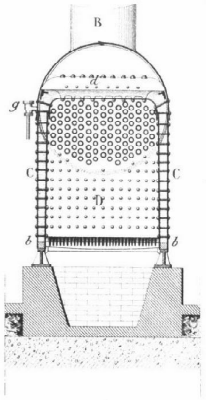


Fig. 2. – Coupe transversale par le foyer



Chaudière semi-tubulaire.

Fig. 3. – Coupe longitudinale.

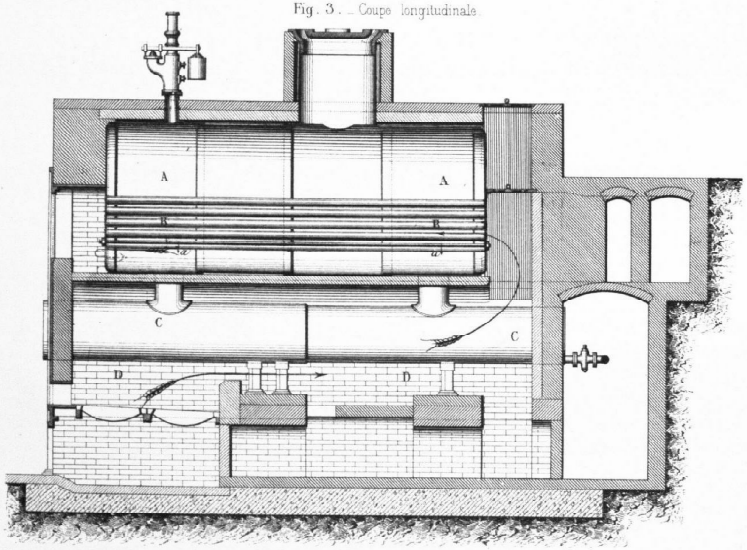
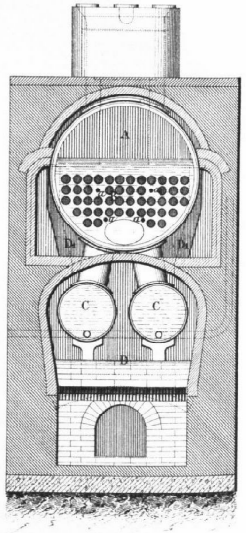


Fig. 4. – Coupe transversale.



Chaudière à foyer amovible de la Société de Pantin.

Fig. 5. – Coupe longitudinale.

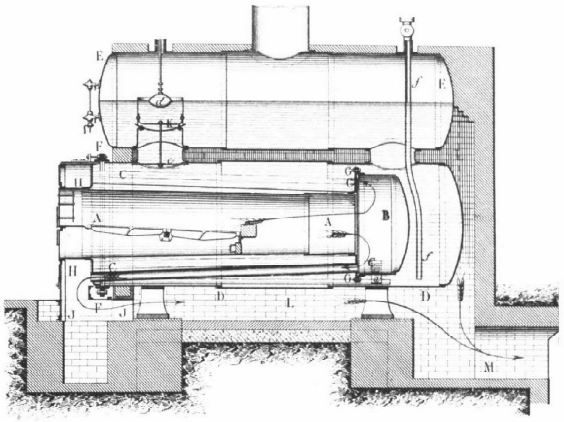
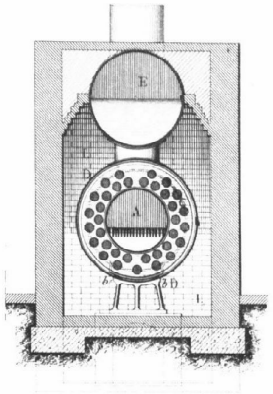


Fig. 6. – Coupe transversale.



Chaudière à foyer amovible de M. J. Farcot.

Fig. 7. – Coupe longitudinale.

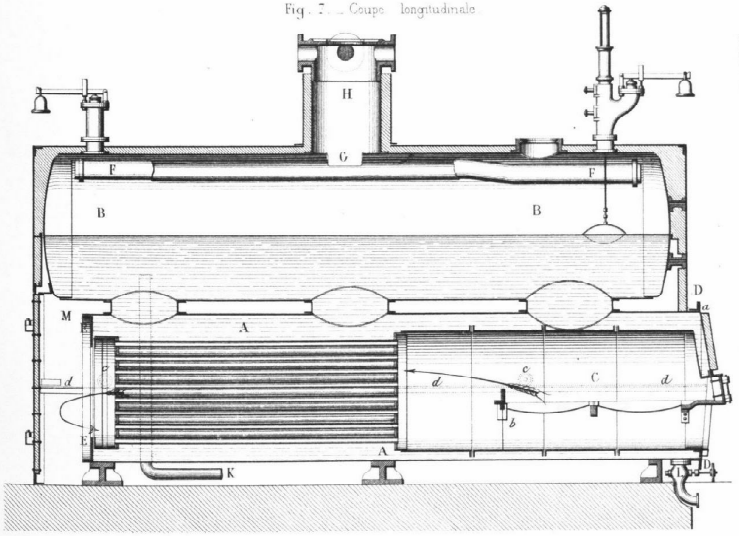
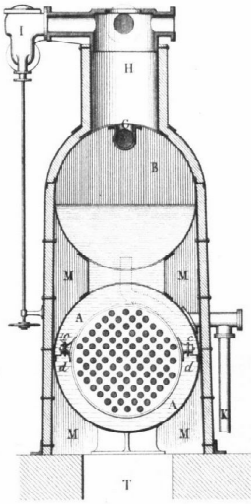


Fig. 8. – Coupe transversale.



ECHELLE de 0m02 p. 1m00.

J. Digeon del.
Imp J. Monrocq, PARIS.
Autog. Lino. E. Gillet, 36 R. Guy-Lussac. PARIS.

Générateur Belleville.

Modèle de 1877.

Fig. 1. – Coupe longitudinale.

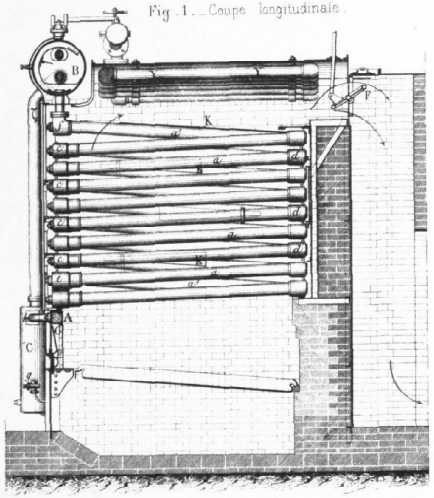


Fig. 2. – Vue de face.

Fig. 3. – Vue de face (les portes enlevées)

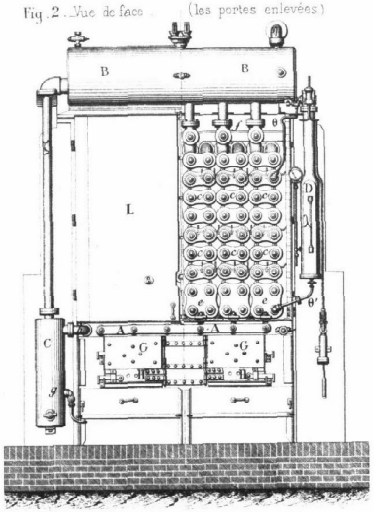


Fig. 4. – Collecteur épurateur d'eau d'alimentation.

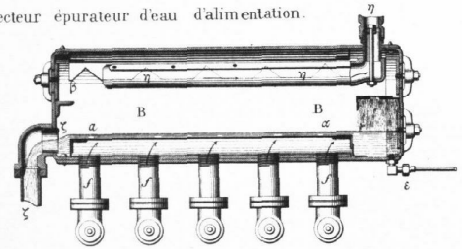


Fig. 5. – Assemblage du Collecteur d'alimentation.

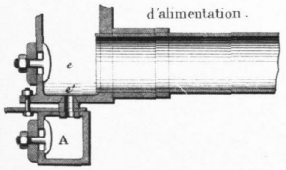


Fig. 6. – Grille.

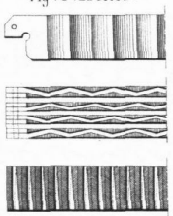


Fig. 7. – Régulateur de pression.

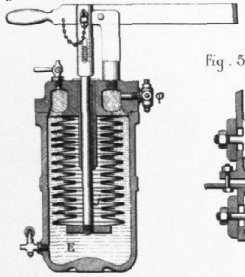


Fig. 8. Régulateur d'alimentation.

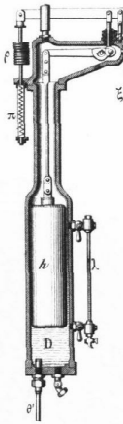
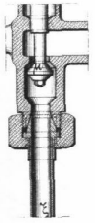


Fig. 8 bis.



ECHELLE de 0m02.5 p 1m00. (fig. 1, 2, 3 & 14)

ECHELLE de 0m05 p 1m00 (fig 4 à 11)

J. Digeon del.

Imp. J. Monrocq, PARIS.

Chaudière Field.

Fig. 9. – Coupe transversale.

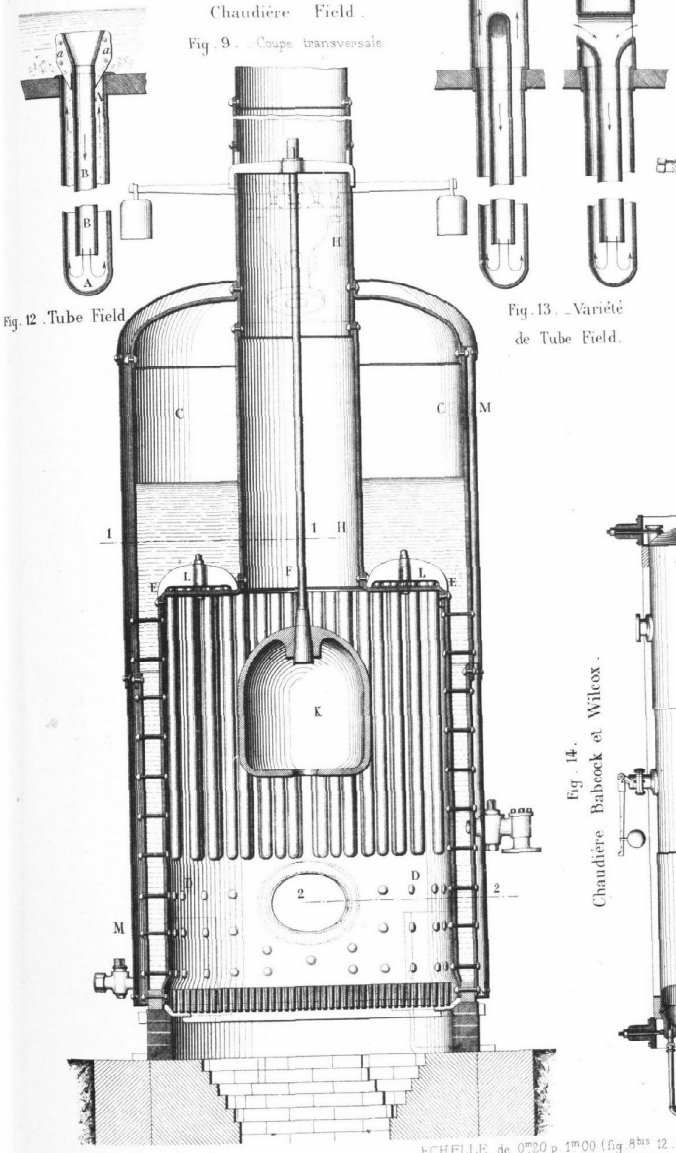


Fig. 12. Tube Field.

Fig. 13. – Variété de Tube Field.

Fig. 10. – Demi Coupe suivant 1. 1.

Fig. 11. – Demi Coupe suivant 2. 2.

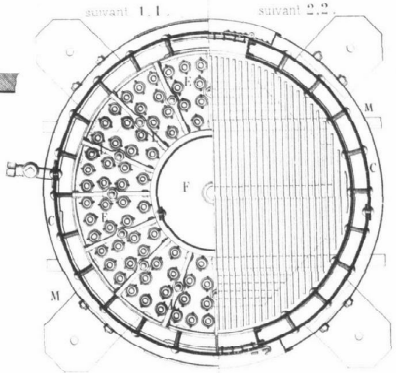
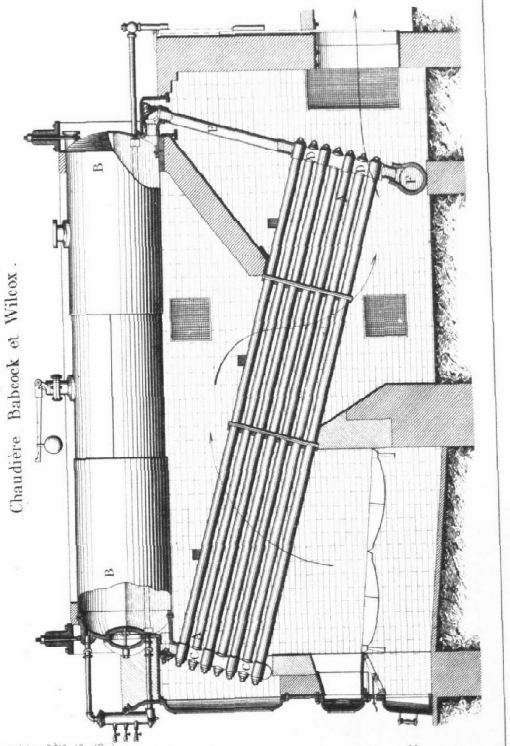


Fig. 14. Chaudière Babcock et Wilcox.



ECHELLE de 0m20 p 1m00 (fig 8bis 12. 13.)

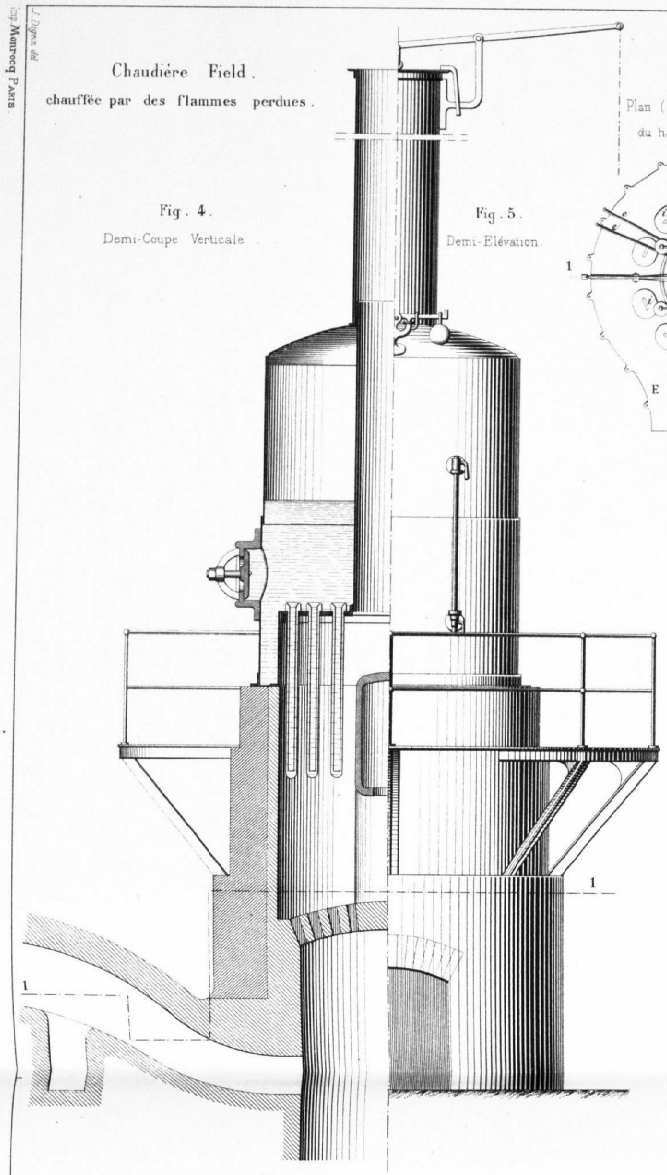
Autog (Zinc) E. Gillet, 30, P. Gay Lussac PARIS.

CHAUDIÈRES VERTICALES.

Chaudière Field.
chauffée par des flammes perdues.

Fig. 4.
Demi-Coupe Verticale.

Fig. 5.
Demi-Elévation.



Chaudière du Creusot.

Fig. 3.
Plan (la dernière plate-forme du haut étant supprimée.)

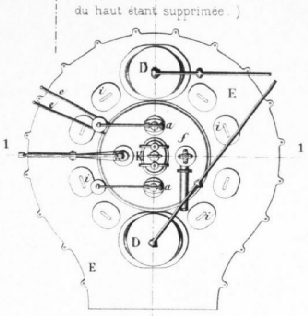


Fig. 1.
Coupe suivant 1,1. (Fig. 2 & 3.)

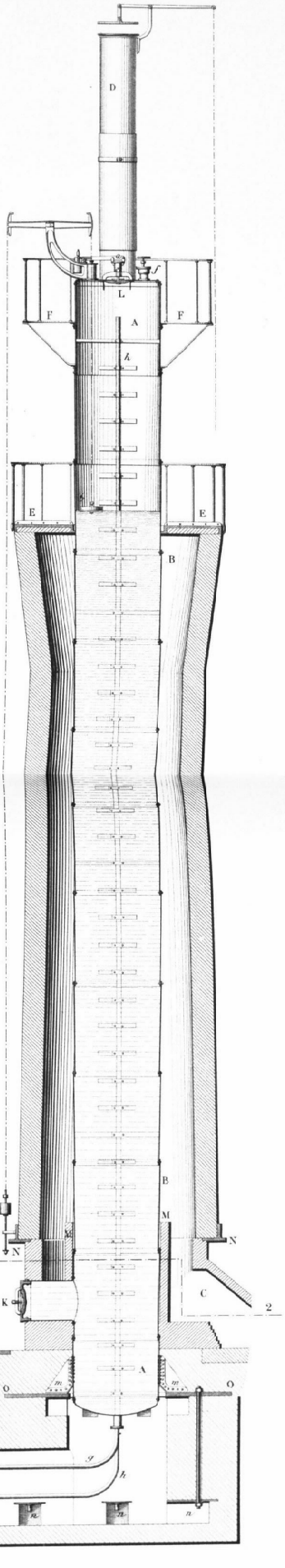
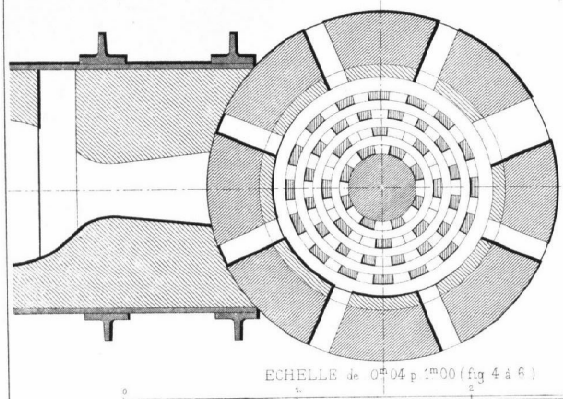
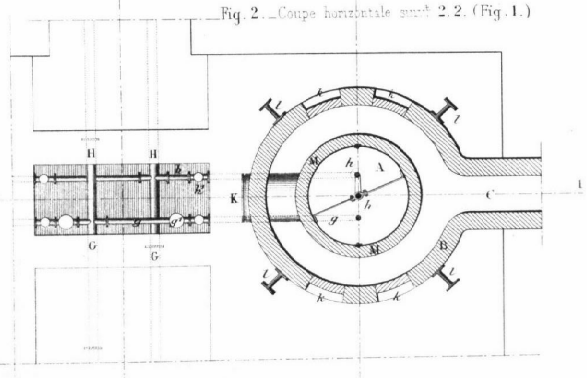


Fig. 6.
Coupe horizontale suivant 1,1. (Fig 4 & 5.)



ECHELLE de 0m04 p 1m00 (fig 4 à 6)

Fig. 2. Coupe horizontale suivant 2,2. (Fig. 1.)



ECHELLE de 0m02 p 1m00 (fig 1 à 3.)

RÉCHAUFFEURS D'EAU D'ALIMENTATION.

Chaudière cylindrique avec réchauffeur

Fig. 1. — Coupe longitudinale suivant 1,1.

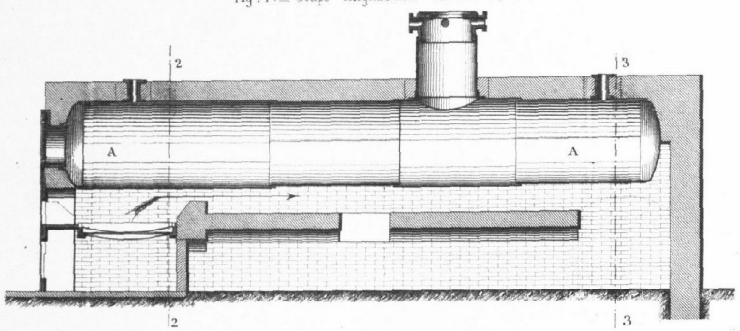


Fig. 2. — Demi-coupe transversale suivt 2,2.

Fig. 3. Demi-Élévation.

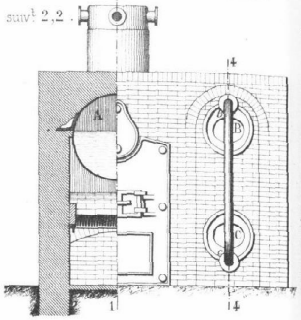


Fig. 4. — Plan supérieur de la chaudière & du réchauffeur.

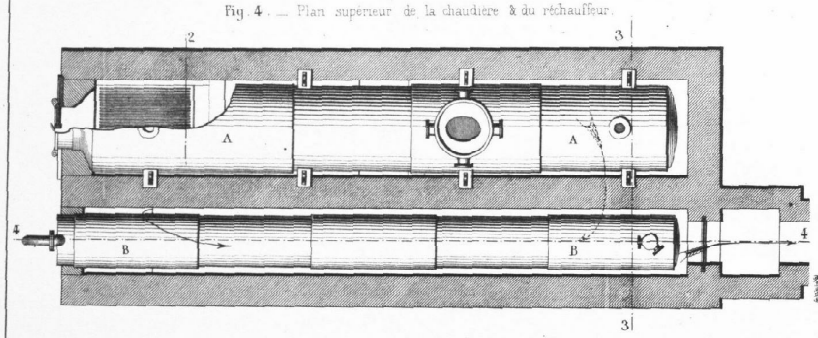


Fig. 5. — Coupe transversale suivant 3,3.

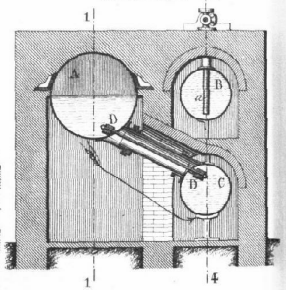


Fig. 6. — Coupe longitudinale suivant 4,4.

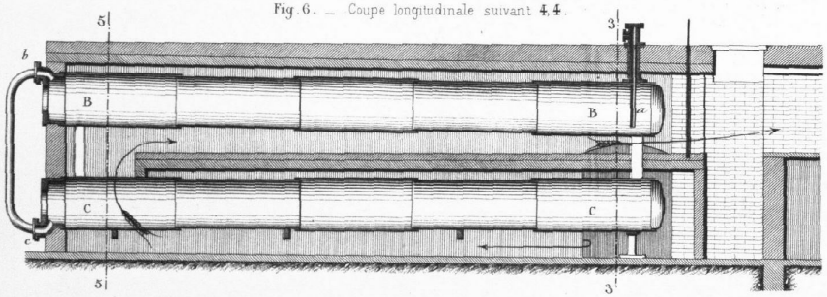
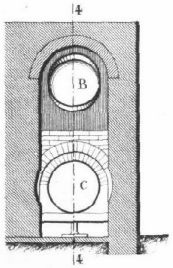


Fig. 7. — Coupe transversale du réchauffeur suivt 5,5.



Chaudière avec réchauffeur horizontal.

Fig. 8. — Coupe longitudinale suivant 1,1.

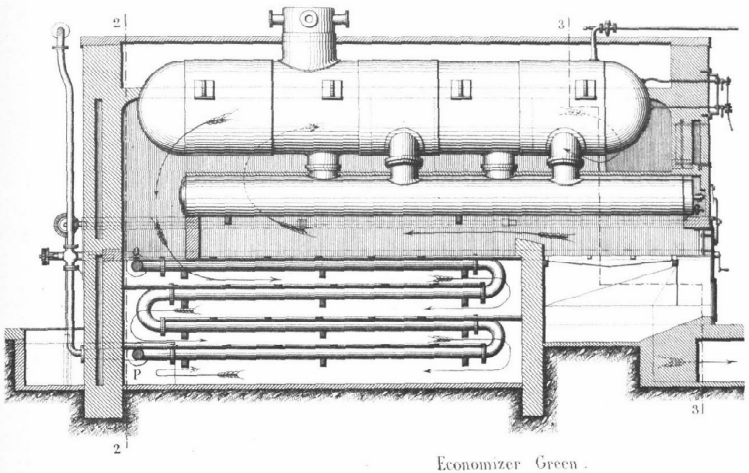
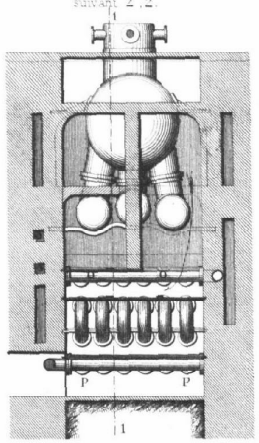


Fig. 9. — Coupe transversale suivant 2,2.



Economizer Green.

Fig. 11. — Coupe longitudinale

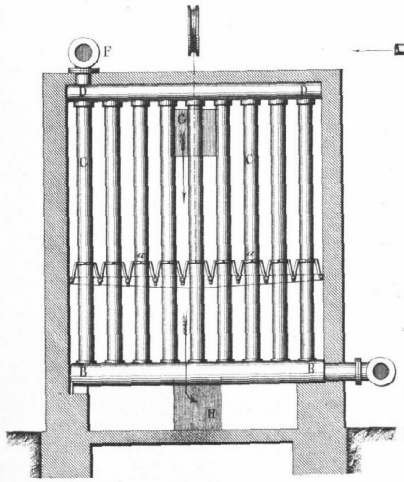


Fig. 12. — Coupe transversale.

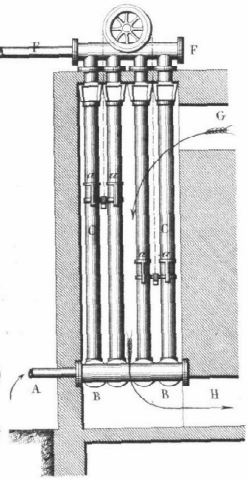
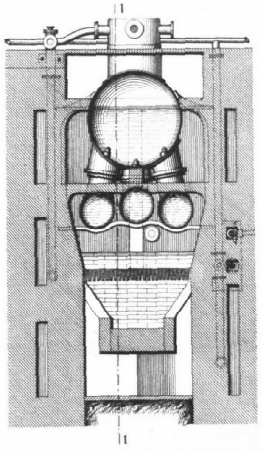


Fig. 10. — Coupe transversale suivant 3,3.



ÉCHELLE de 1/40 p. 1 mèt.

Imp. J. Monrocq, Paris.

Autog. (Zinc) E. Gillet, 30, R. Guy Lussac, Paris.

ACCESSOIRES DE CHAUDIÈRES.

Fig. 1. – Manomètre BOURDON.

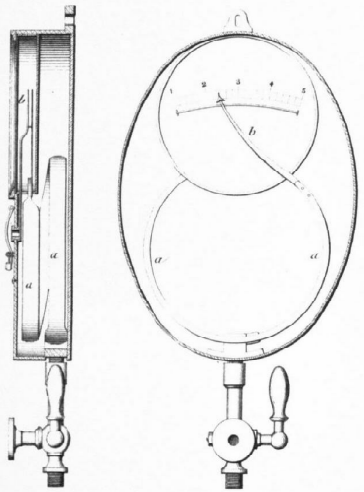


Fig. 2. – Manomètre DESBORDES.

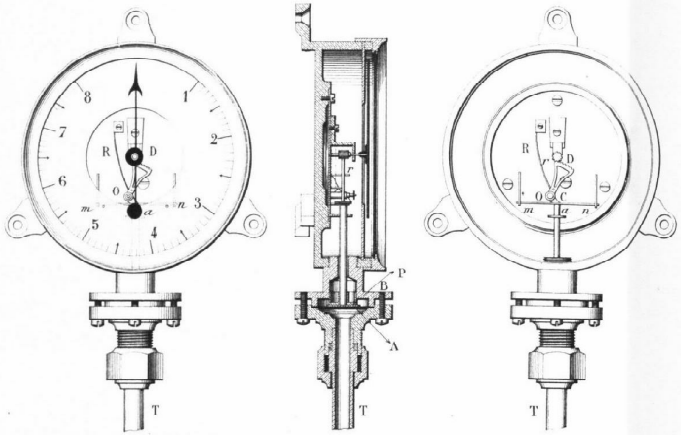


Fig. 3. – Manomètre GUICHARD.

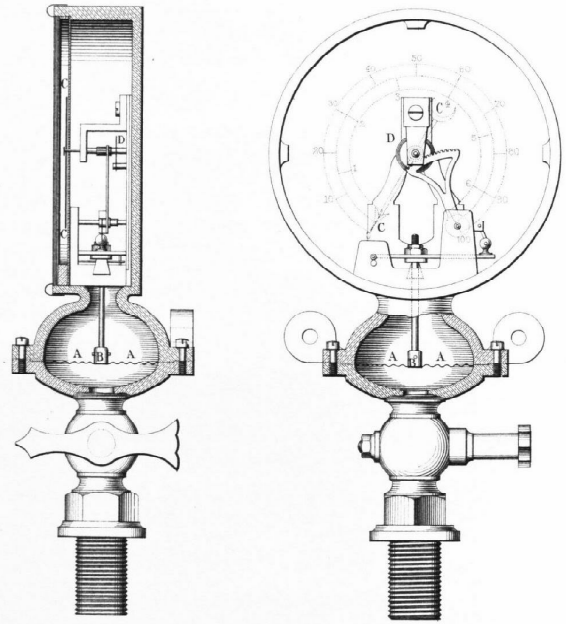


Fig. 4. – Manomètre étalon.
(Système BOURDON.)

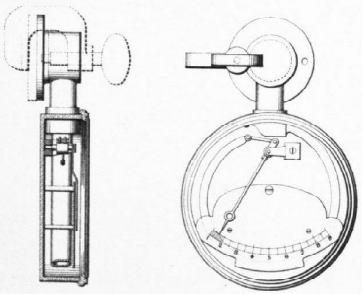


Fig. 6. – Soupape de Sûreté pour Locomotives.

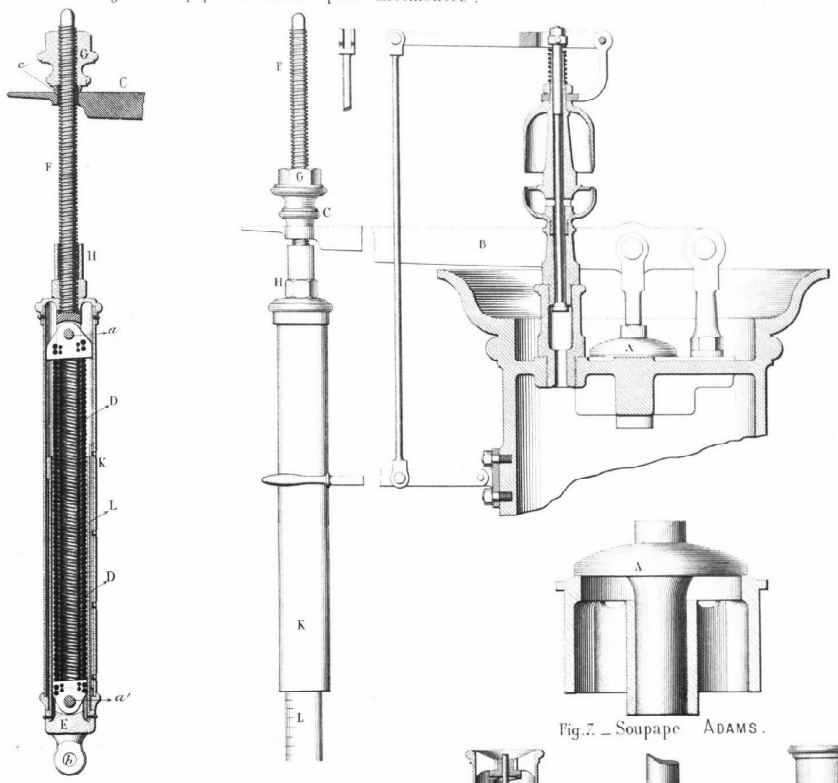


Fig. 7. – Soupape ADAMS.

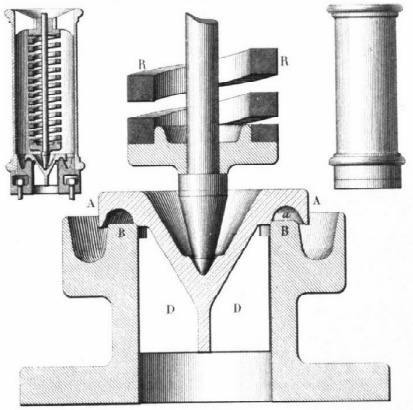
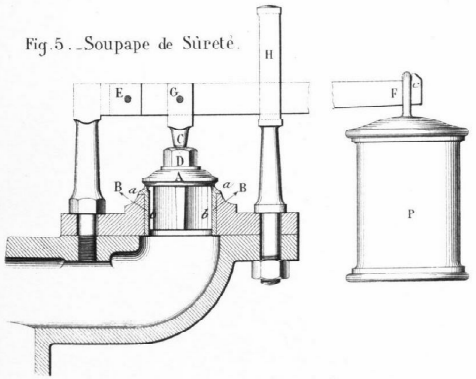


Fig. 5. – Soupape de Sûreté.



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INDICATEURS DU NIVEAU DE L'EAU.

Fig. 1. _Tube indicateur du niveau de l'eau.

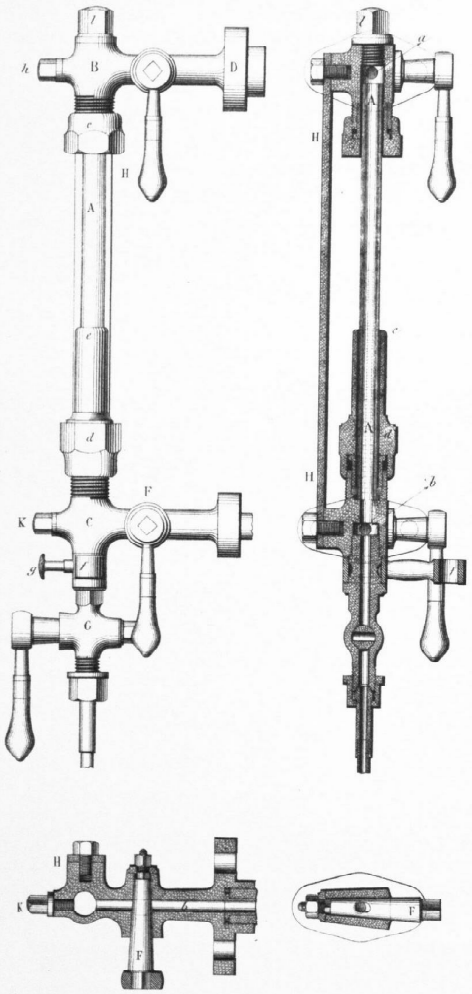


Fig. 2. _ Flotteur FARCOT.

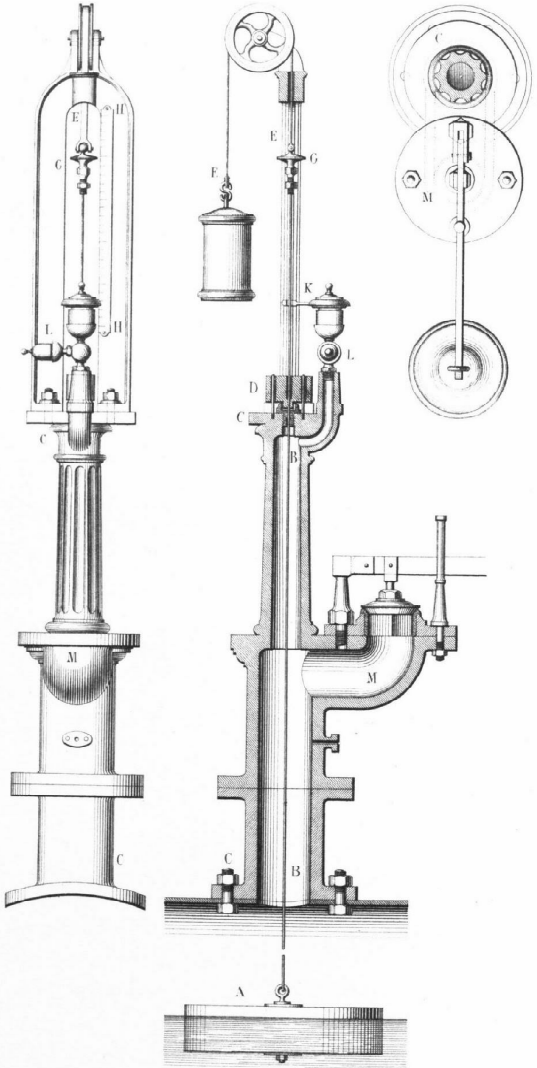


Fig. 3. _ Indicateur magnétique LETHUILLIER-PINEL.

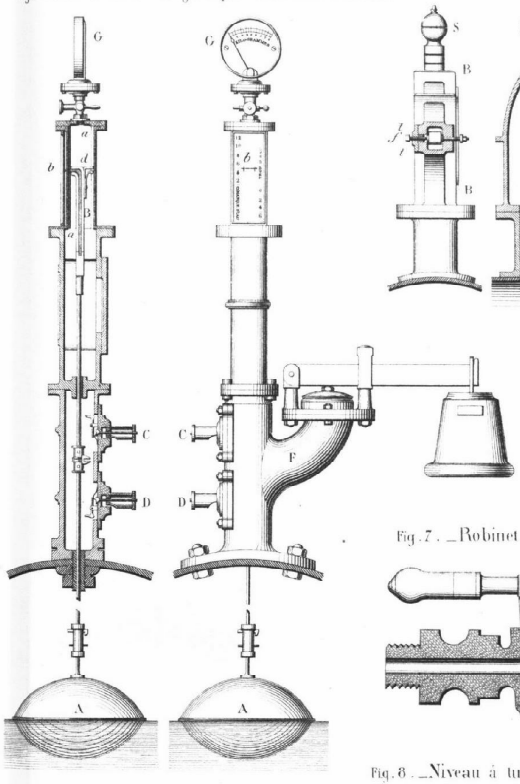


Fig. 4. _ Flotteur BOURDON.

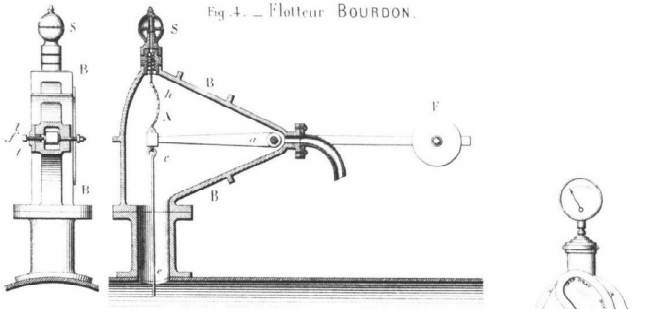


Fig. 5. _ Indicateur PERROTTE.

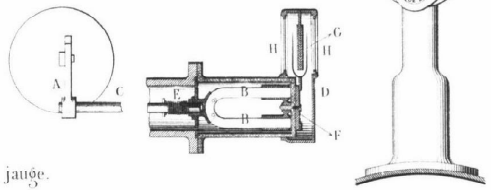


Fig. 7. _Robinet de jauge.

Fig. 6. _ Indicateur CHAUDRÉ.

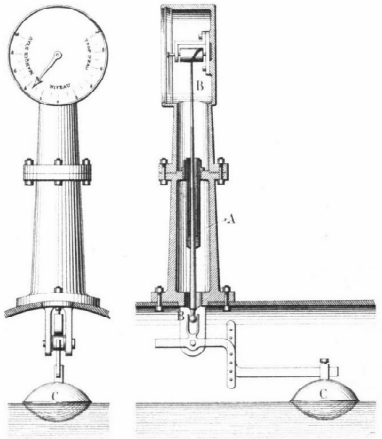
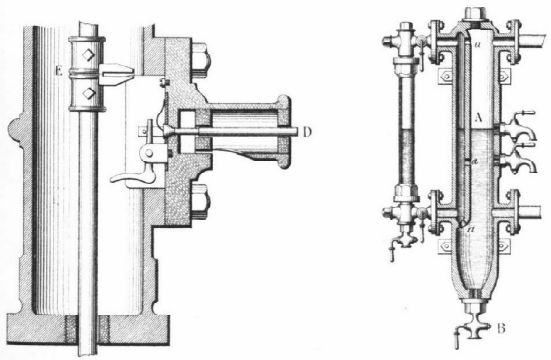


Fig. 8. _Niveau à tube séparateur.

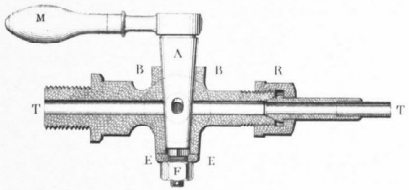


J. Digeon del.
Imp J. Monrocq, PARIS.
Autog. (Zinc) E. Gillet, 30, R. Gay-Lussac, PARIS.

ROBINETS ET CLAPETS.

Fig. 1. – Robinet à trois voies.

Coupe en long.



Vue en dessus.

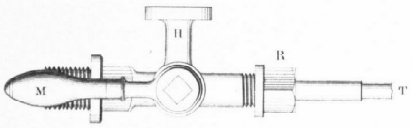
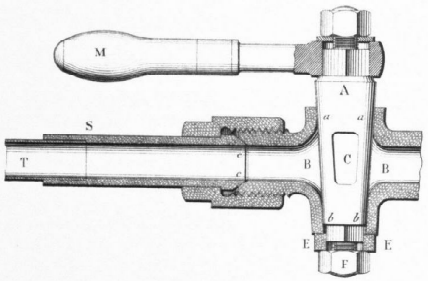


Fig. 2. – Robinet à boisseau.

Coupe en long.



Vue en dessous.

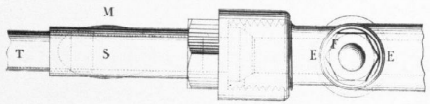
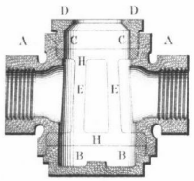


Fig. 3. Robinet MALLINSON

Coupe verticale sans la clef.



Vue horizontale sans la clef.

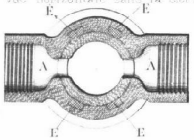


Fig. 4. – Robinet d'injection.

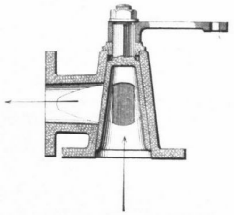


Fig. 7. – Robinet à soupape DUPUCH.

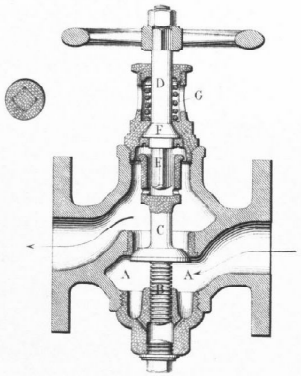
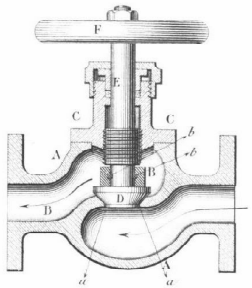


Fig. 5. – Robinet soupape.



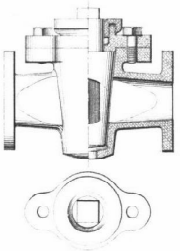


Fig. 8. – Robinet-valve. LETHUILLIER - PINEL.

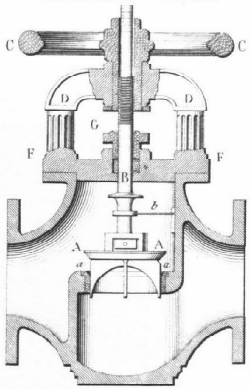
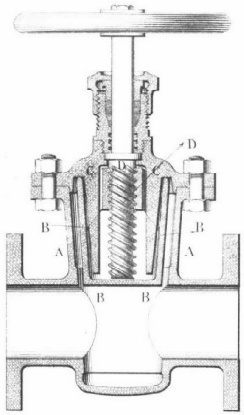


Fig. 9. – Robinet CHÂTEL.



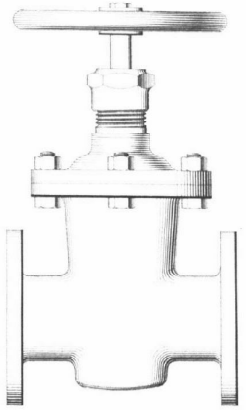
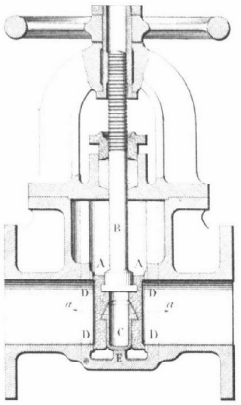


Fig. 10. – PEET-Valve.



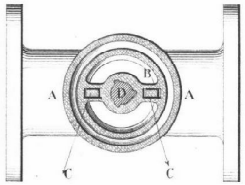


Fig. 11. – Robinet coudé.

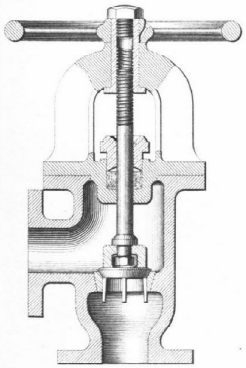


Fig. 12. – Robinet à vis.

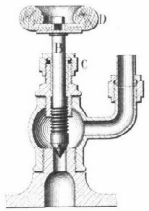


Fig. 13. – Robinet à vis.

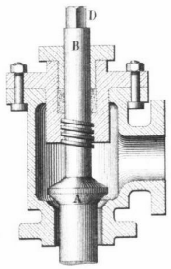


Fig. 14. – Robinet SELLERS.

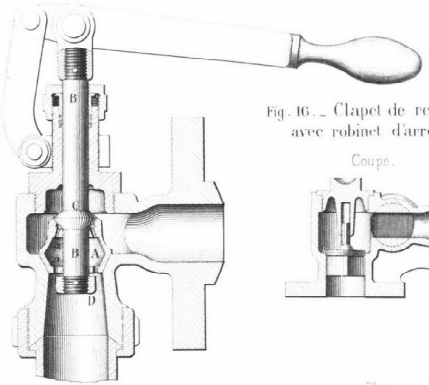


Fig. 15. – Clapet de retenue.

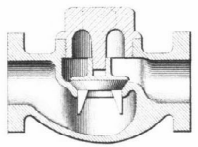
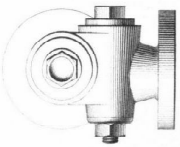


Fig. 16. – Clapet de retenue avec robinet d'arrêt.

Coupe.

Plan.



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Autog. Lemoine, E. Gillet, Sr H. Gay, Successr. PARIS.

TUYAUTERIE.

Fig. 1. – Joint à bride ronde.

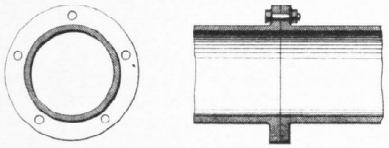


Fig. 2. – Bride ovale.

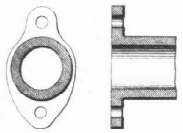


Fig. 3. – Bride carrée.

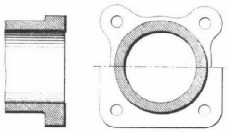


Fig. 4. – Joint à emboitement.

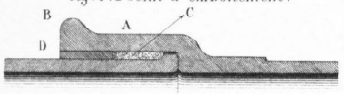


Fig. 5. – Raccord en bronze.

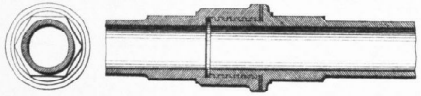


Fig. 6. – Joint PETIT.

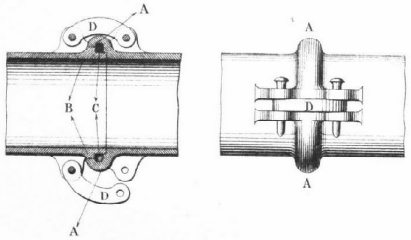


Fig. 7. – Joint de NORMANDY.

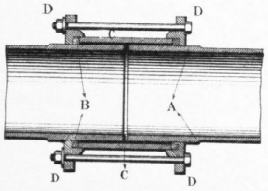


Fig. 8. – Joint LAVRIL.

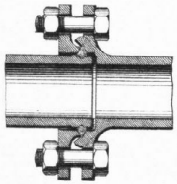


Fig. 9. – Joint LEGAT.

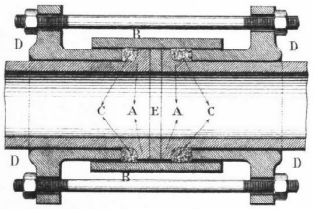


Fig. 10. – Brides en fer pour tuyaux en tôle.

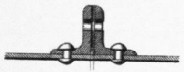


Fig. 11. – Brides en fonte pour tuyaux en tôle.

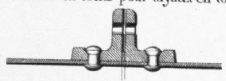


Fig. 12. – Manchon à vis

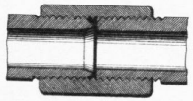


Fig. 13. – Joints à bride mobile.

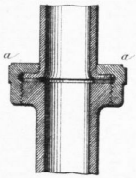
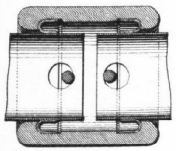


Fig. 14. – Joint TAVERDON.



Imp. J. Monrocq

INJECTEURS.

Fig. 15. – Injecteur GIFFARD.

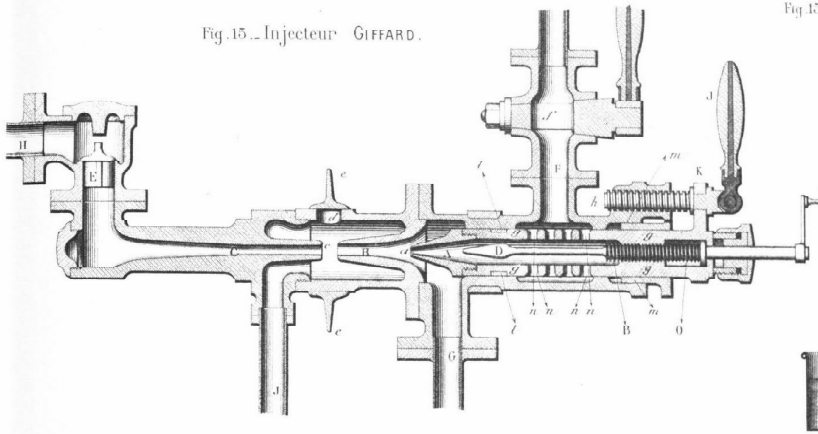


Fig. 15bis. – Injecteur vertical.

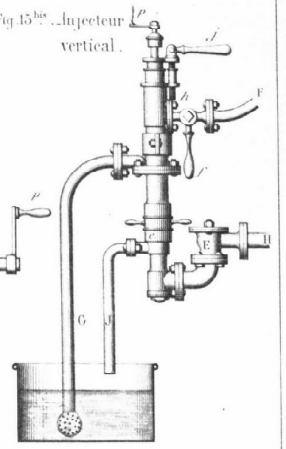


Fig. 16. – Injecteur BOHLER.

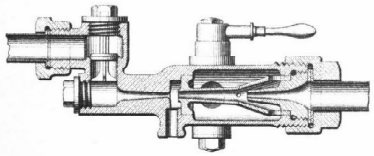


Fig. 17. – Injecteur HANCOCK.

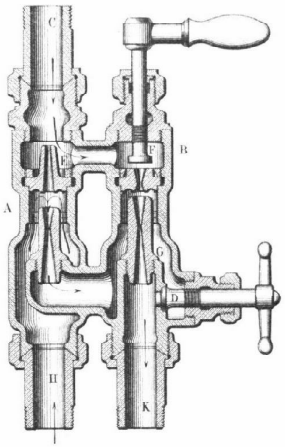
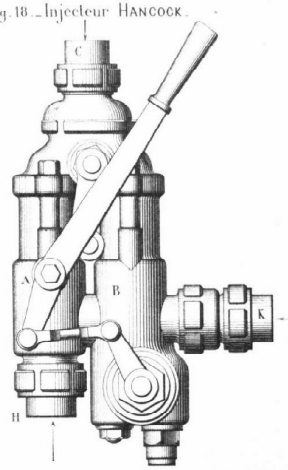


Fig. 18. – Injecteur HANCOCK.



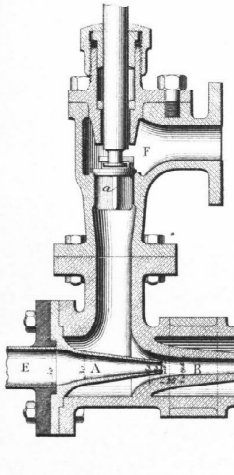
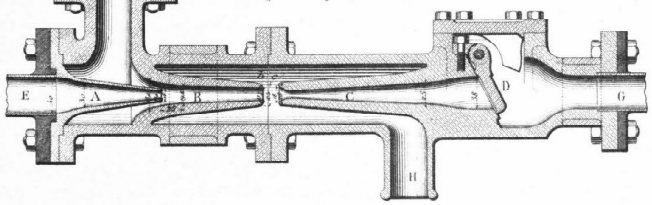
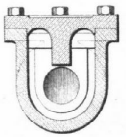


Fig. 19. – Injecteur KRAUSS.





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