

PUBLICATION INDUSTRIELLE
DES
MACHINES, OUTILS ET APPAREILS

LES PLUS PERFECTIONNÉS ET LES PLUS RÉCENTS

EMPLOYÉS

DANS LES DIFFÉRENTES BRANCHES DE L'INDUSTRIE FRANÇAISE ET ÉTRANGÈRE

AUGMENTÉE D'UNE

REVUE ILLUSTRÉE DES PROGRÈS INDUSTRIELS ET AGRICOLES

PAR

ARMENGAUD AINÉ

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CHEVALIER DE LA LÉGION D'HONNEUR

MEMBRE HONORAIRE DE LA SOCIÉTÉ PHILOMATIQUE DE BORDEAUX ET DE LA SOCIÉTÉ INDUSTRIELLE DE MULHOUSE, MEMBRE DE LA SOCIÉTÉ D'ENCOURAGEMENT, DE LA SOCIÉTÉ DES INGÉNIEURS CIVILS, ETC.

TOME VINGT ET UNIÈME. — PREMIER DE LA DEUXIÈME SÉRIE

PLANCHES

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M. ARMENGAUD AINÉ

INGÉNIEUR

45, RUE SAINT-SÉBASTIEN, A PARIS

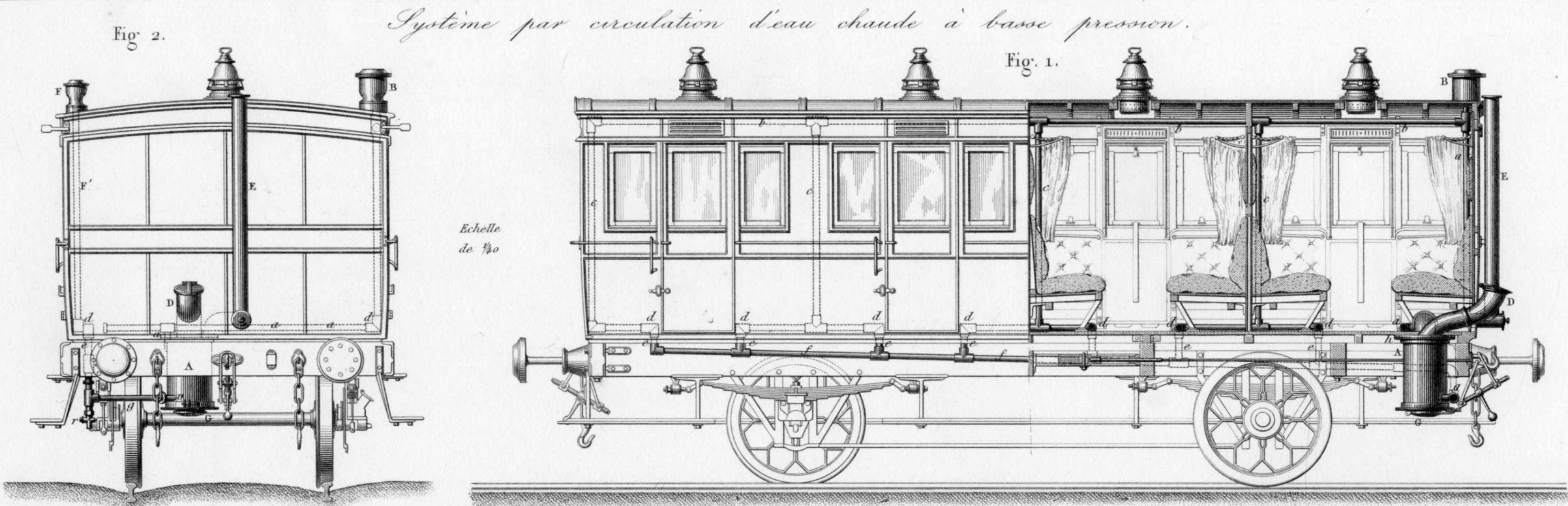
MM. V^{VE} A. MOREL ET C^{IE}

LIBRAIRES

43, RUE BONAPARTE, A PARIS

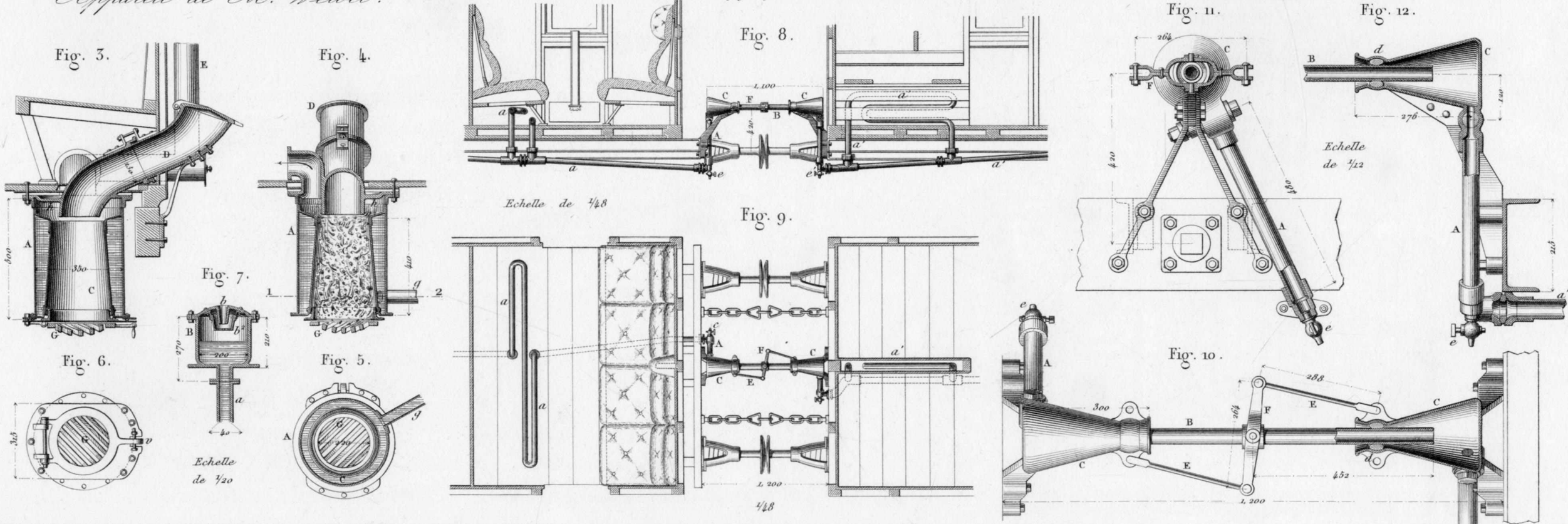
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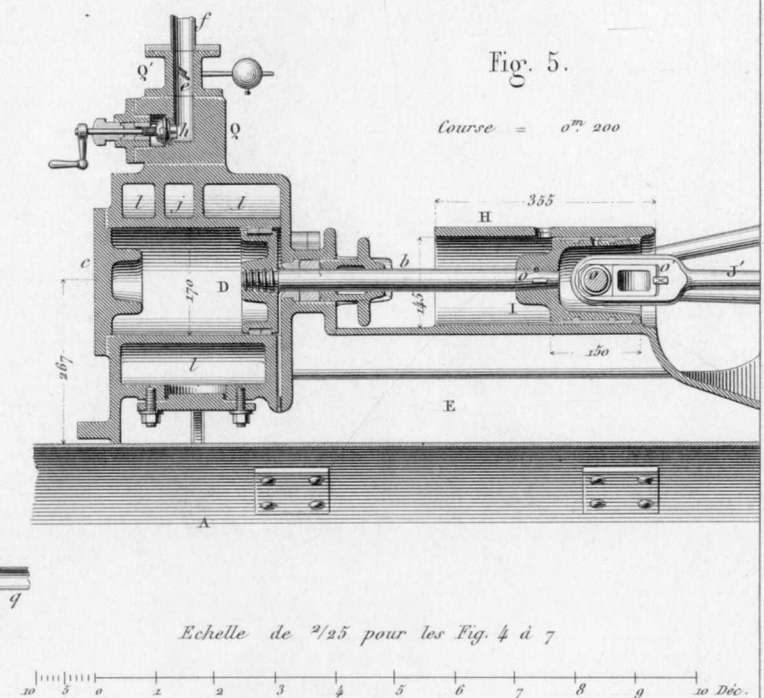
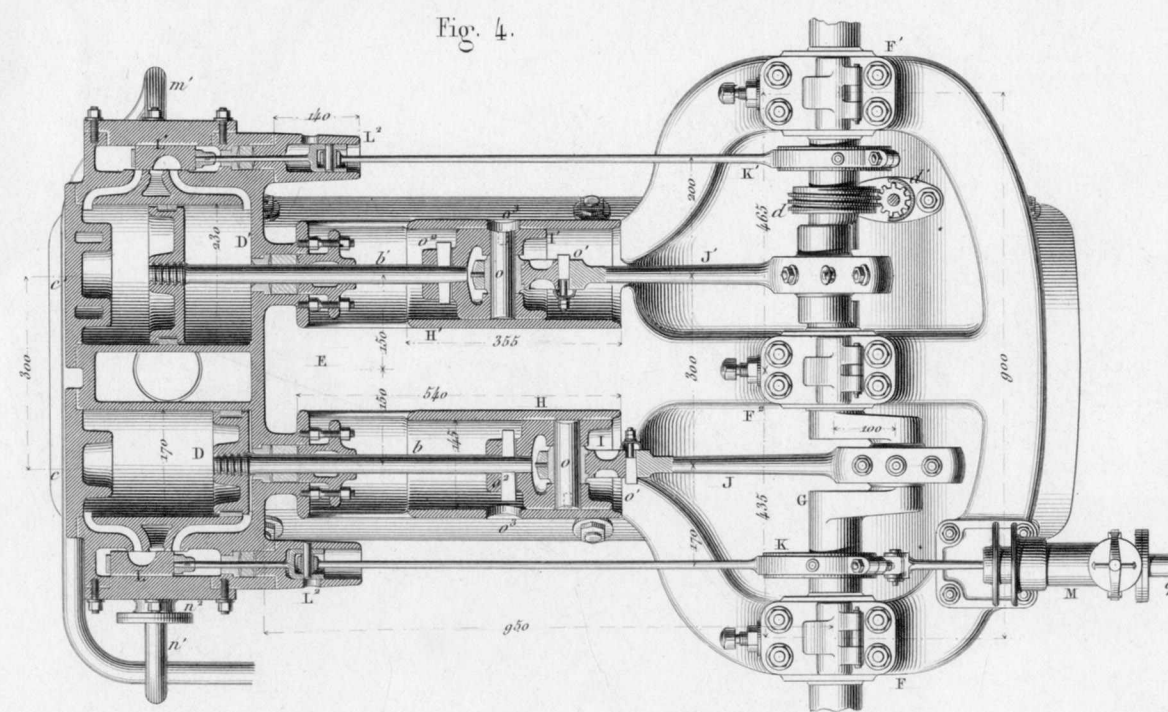
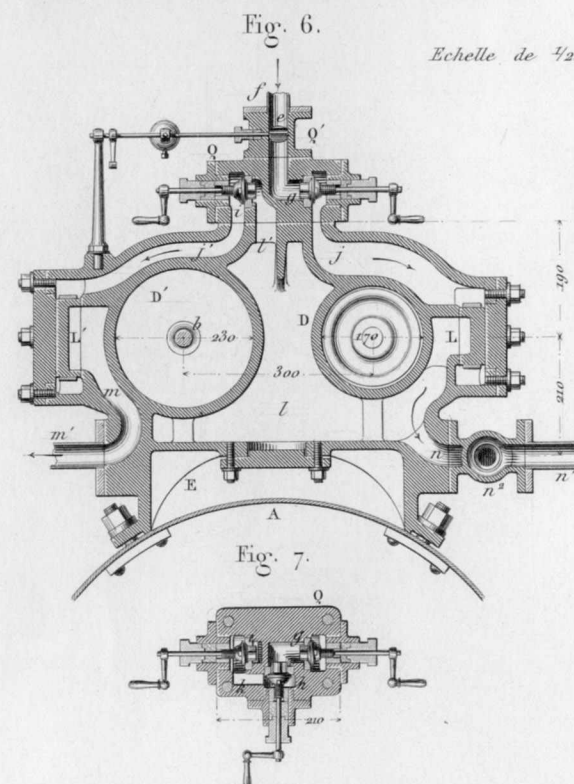
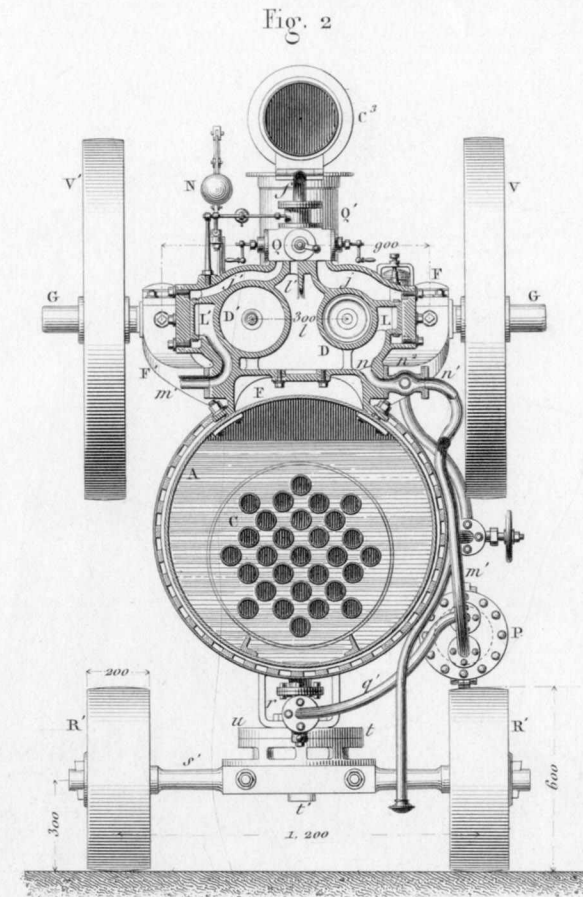
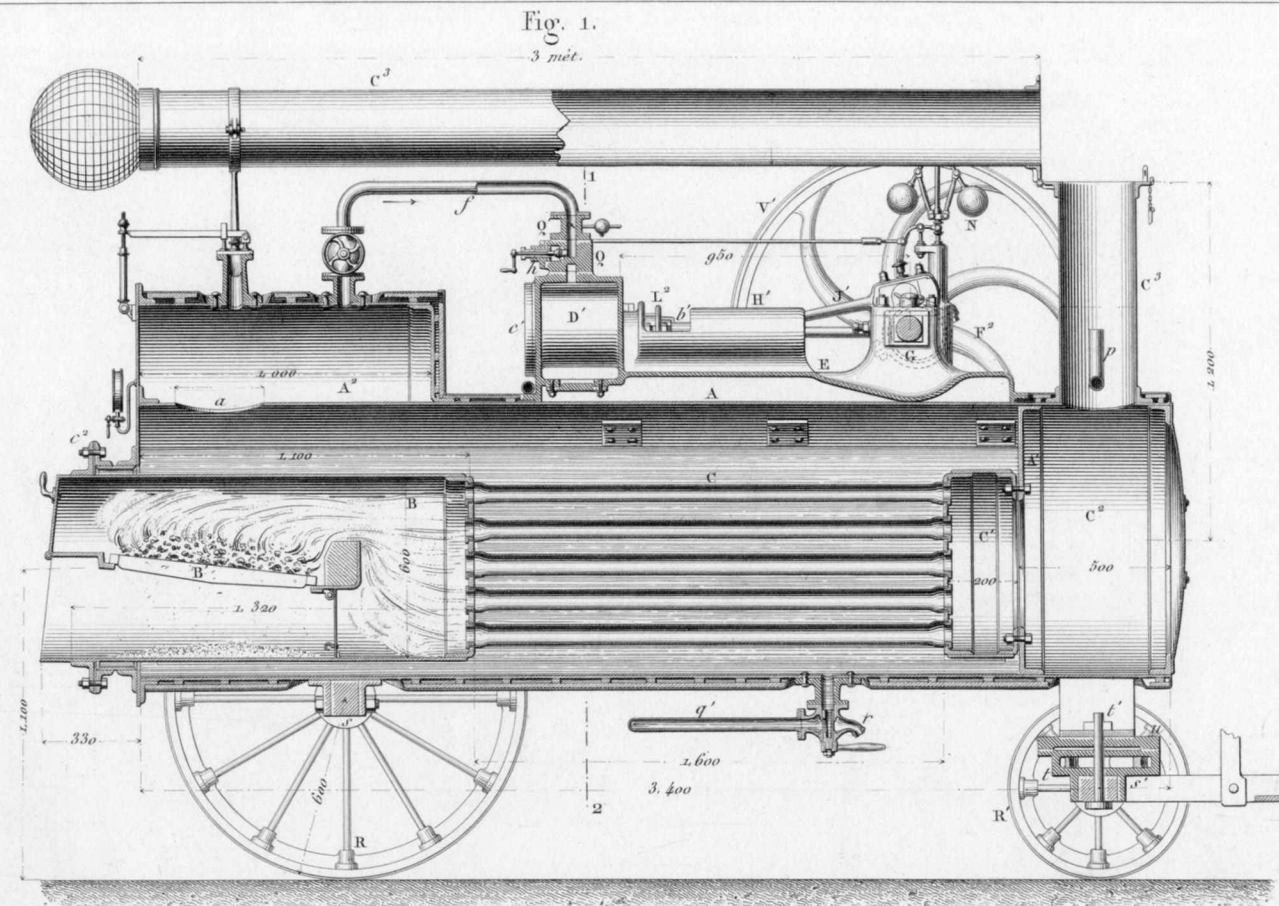
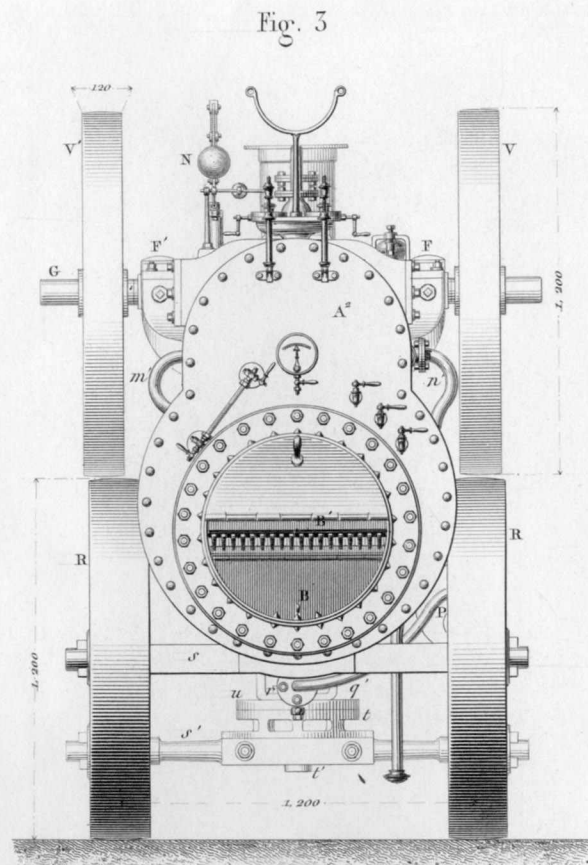


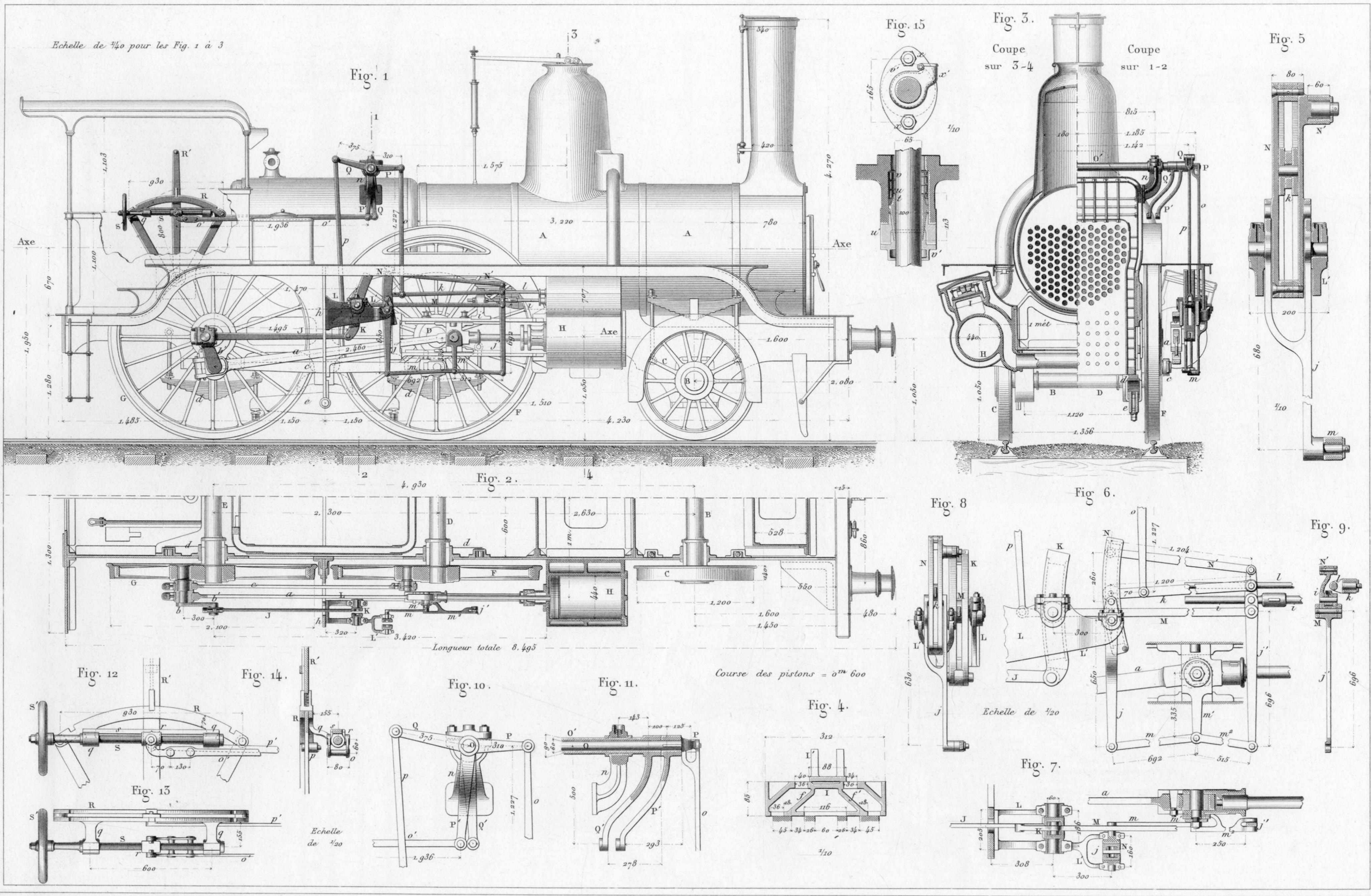


Appareil de M. Weibel.

Chauffage à vapeur. — Appareil de jonction







Générateur par M. Salzard.

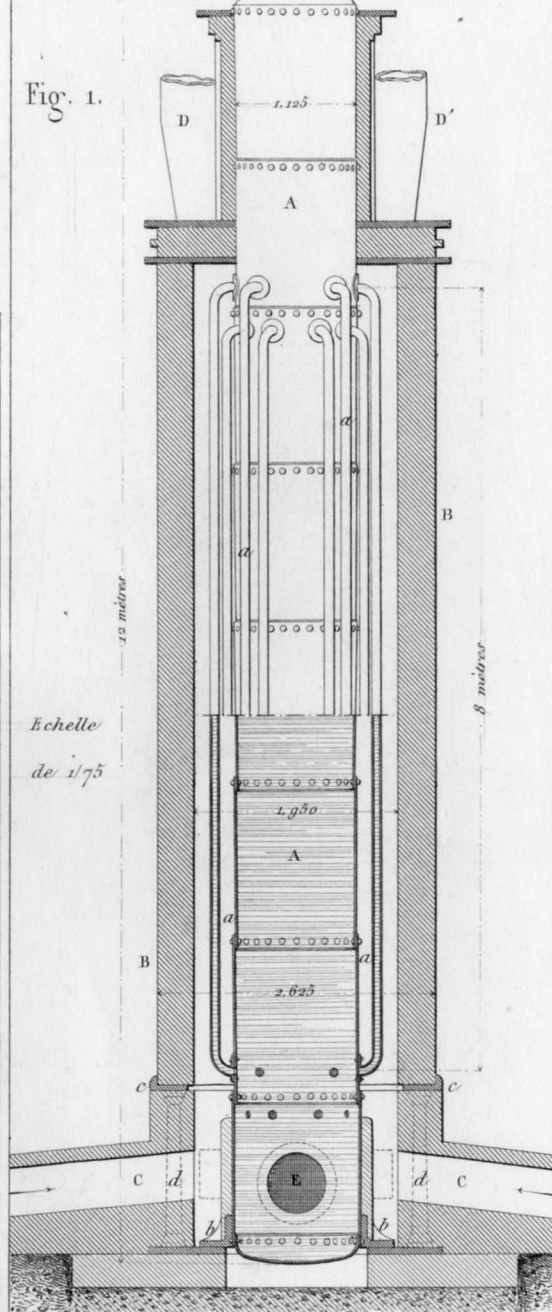
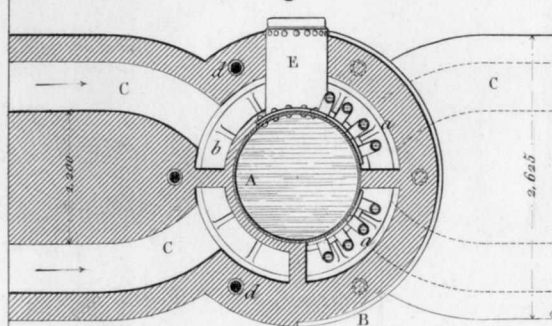


Fig. 2.



L. Chaumont sculp

Générateur par la S.^{te} des forges et chantiers de la Méditerranée

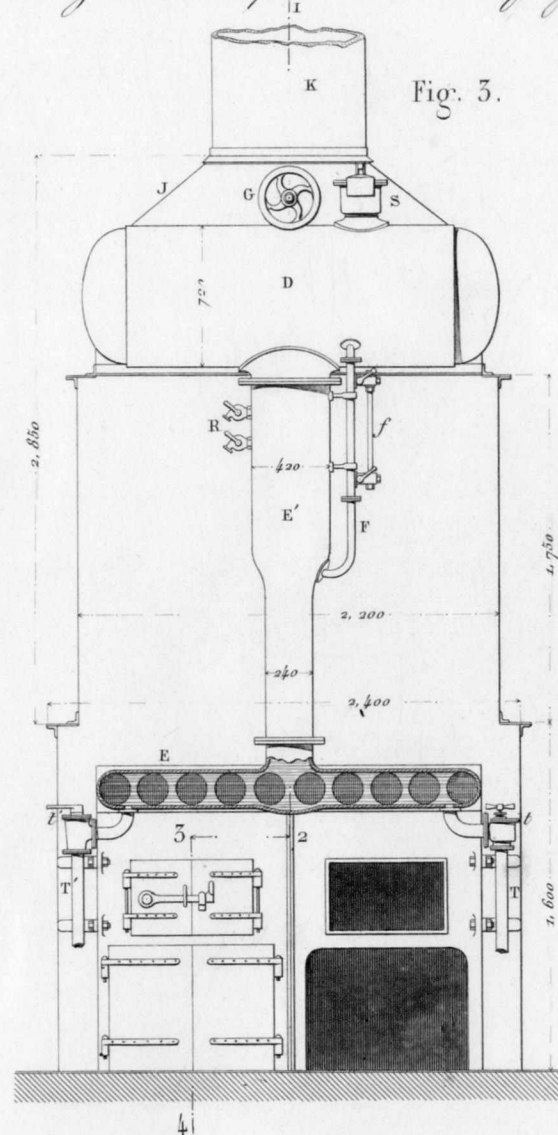


Fig. 4.

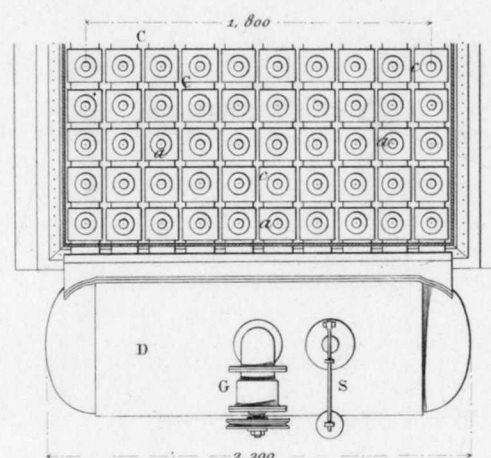
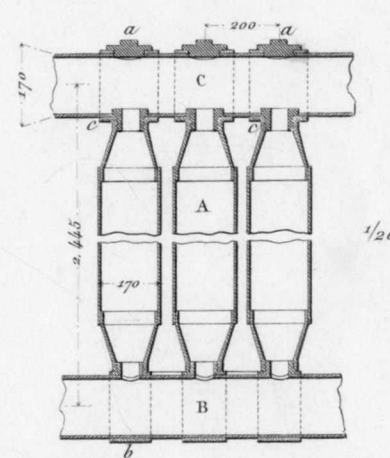


Fig. 6.



Imp Ch Chardon aîné à Paris

Fig. 5.

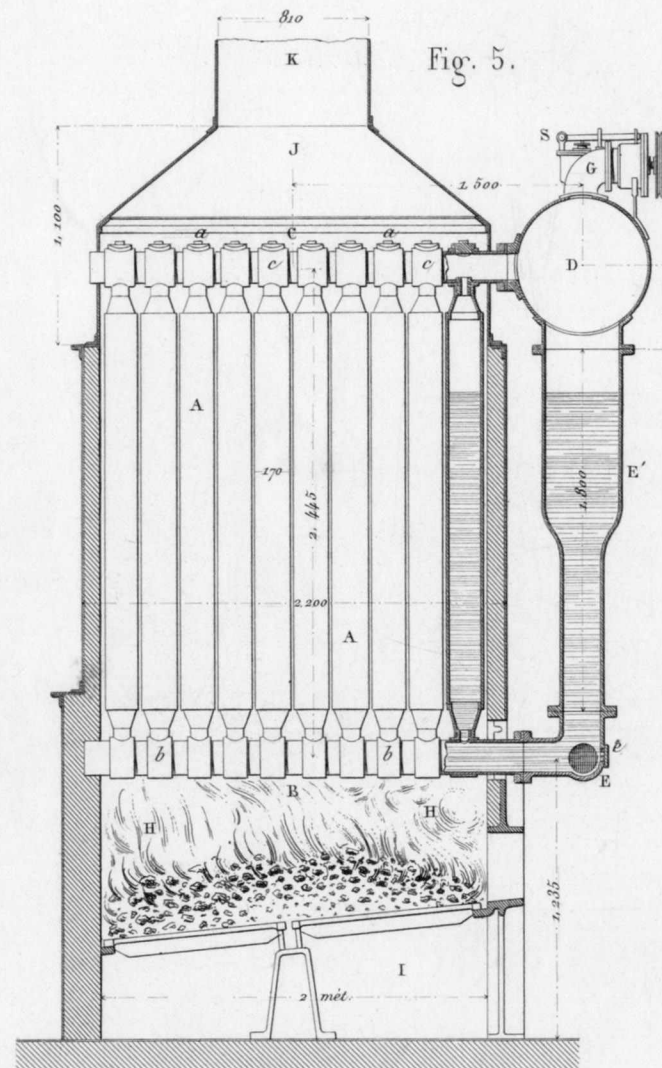


Fig. 10.

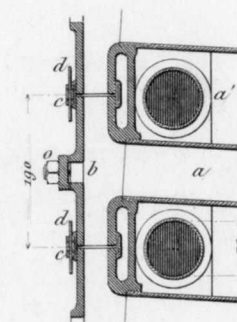
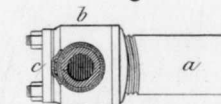


Fig. 12.



Chaudière tubulaire par M. Westerman.

Fig. 9.

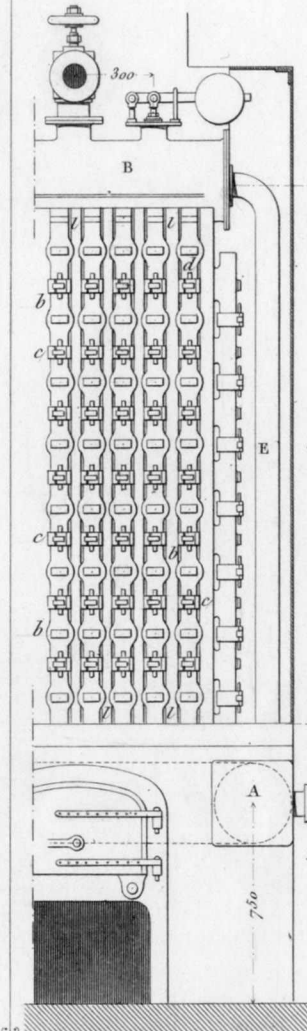


Fig. 7.

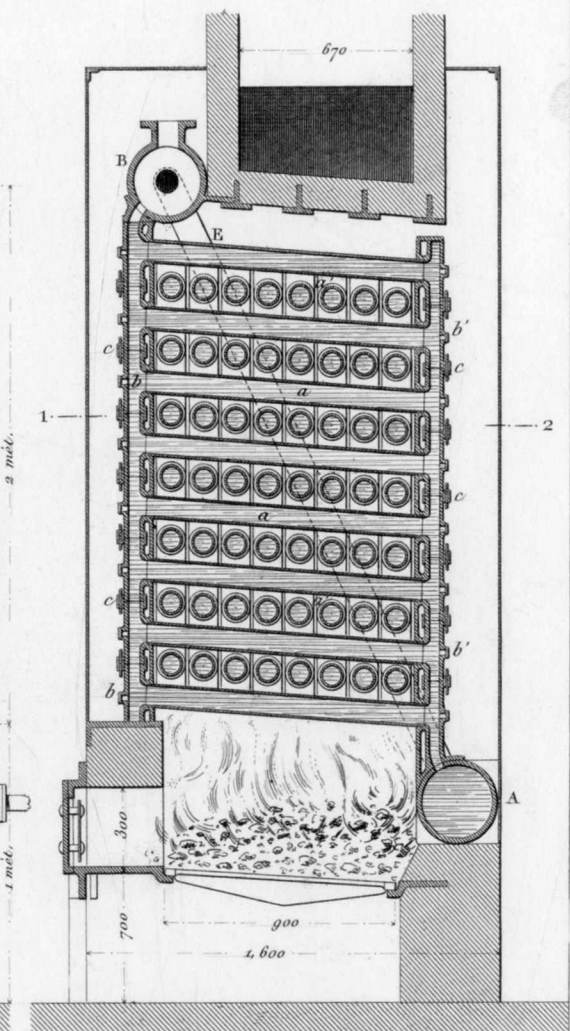
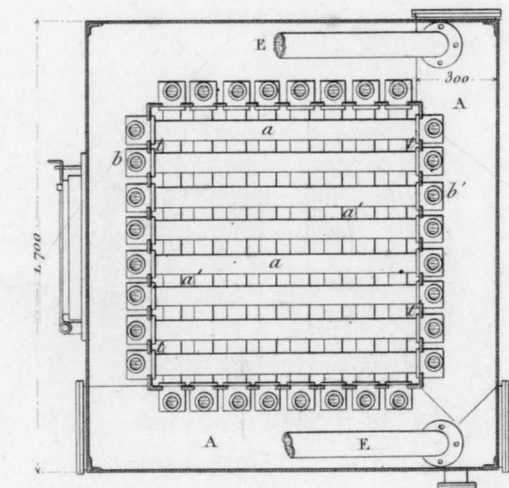
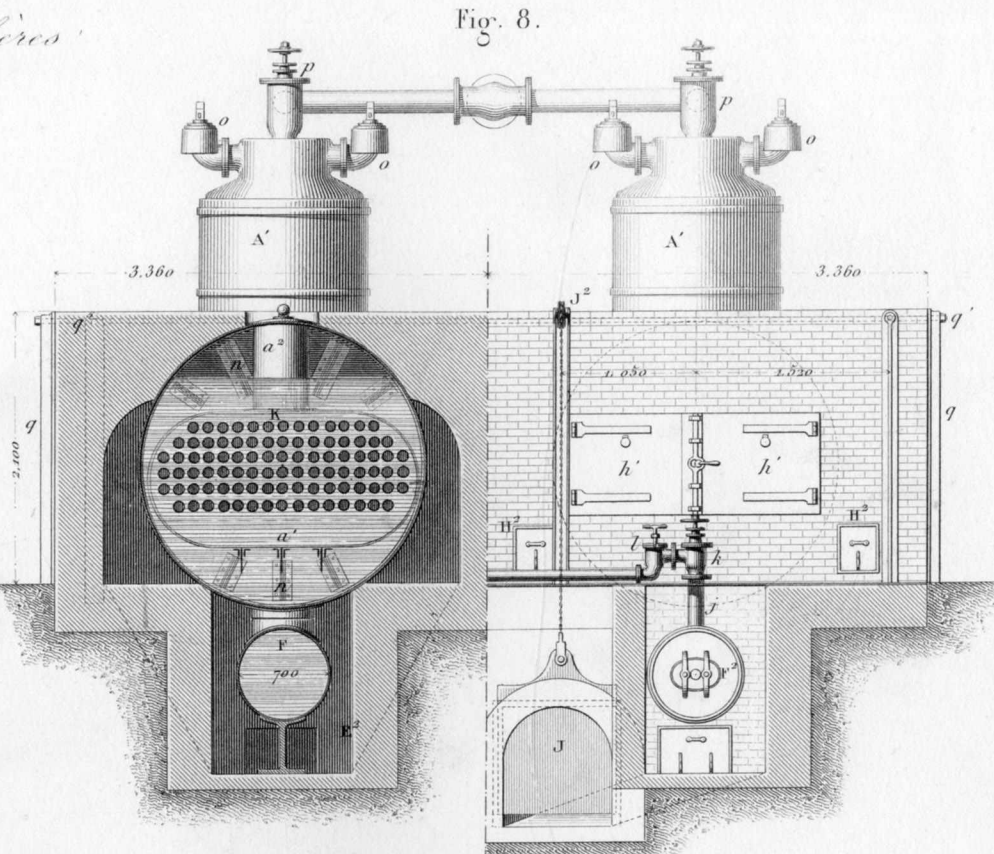
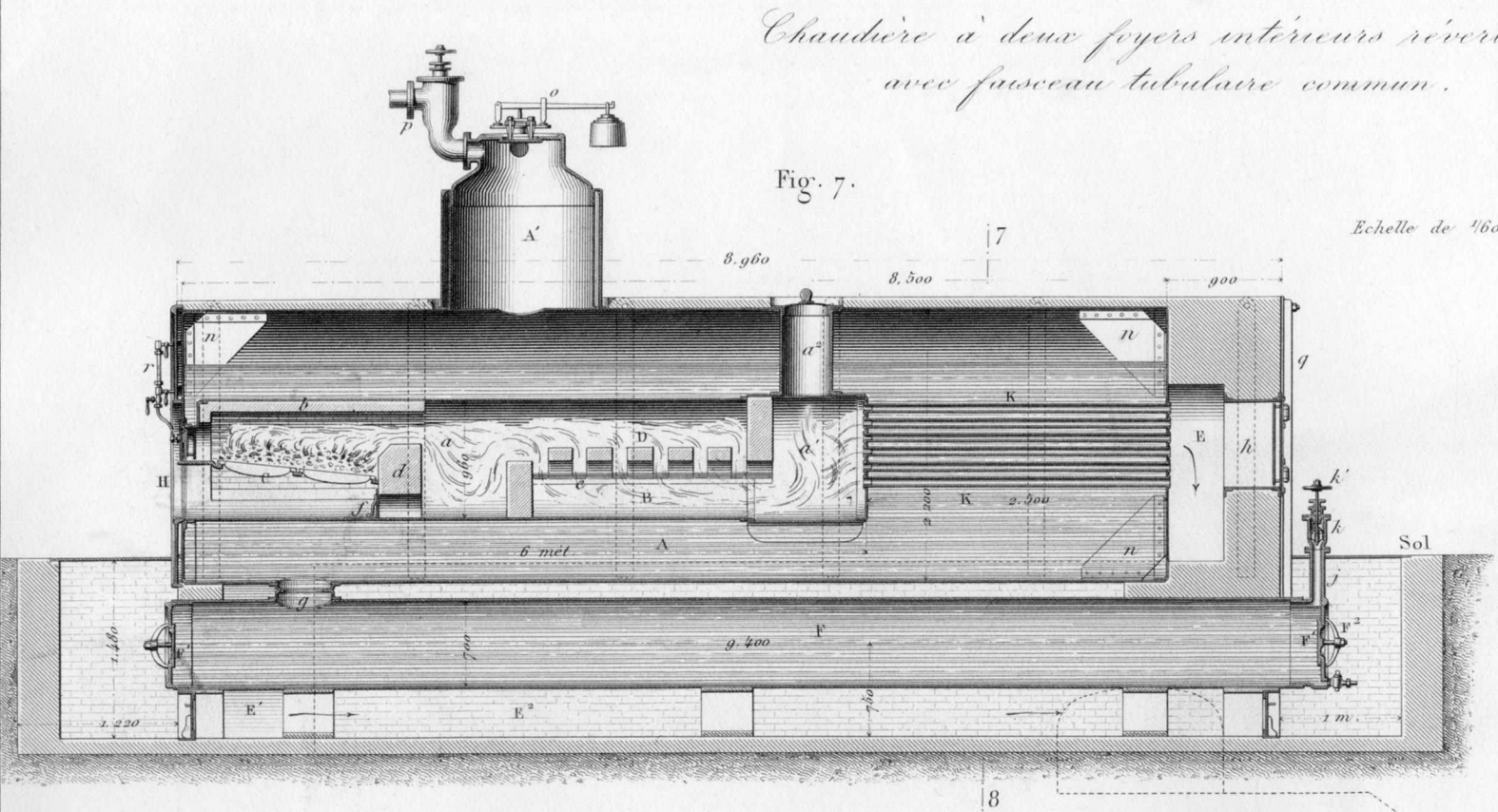


Fig. 8.



Armençaud aîné

*Chaudière à deux foyers intérieurs réverbères
avec faisceau tubulaire commun.*



Chaudière à foyer intérieur réverbère et à tubes

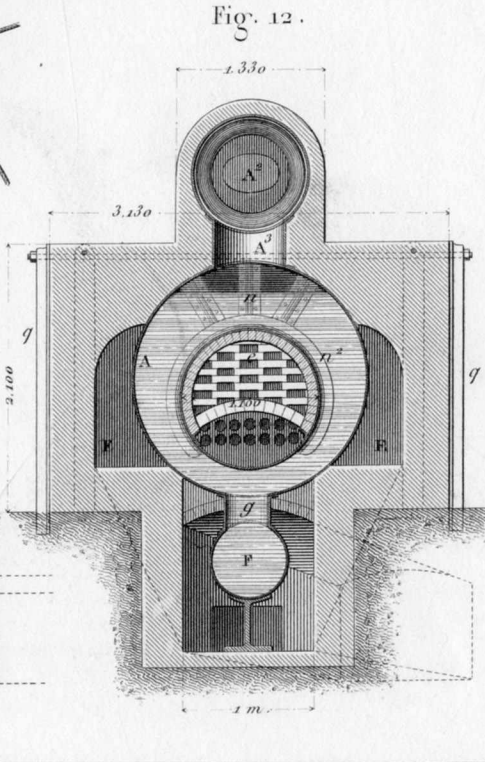
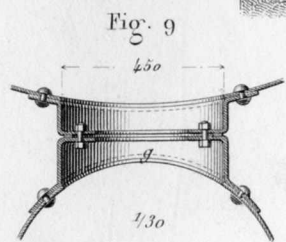
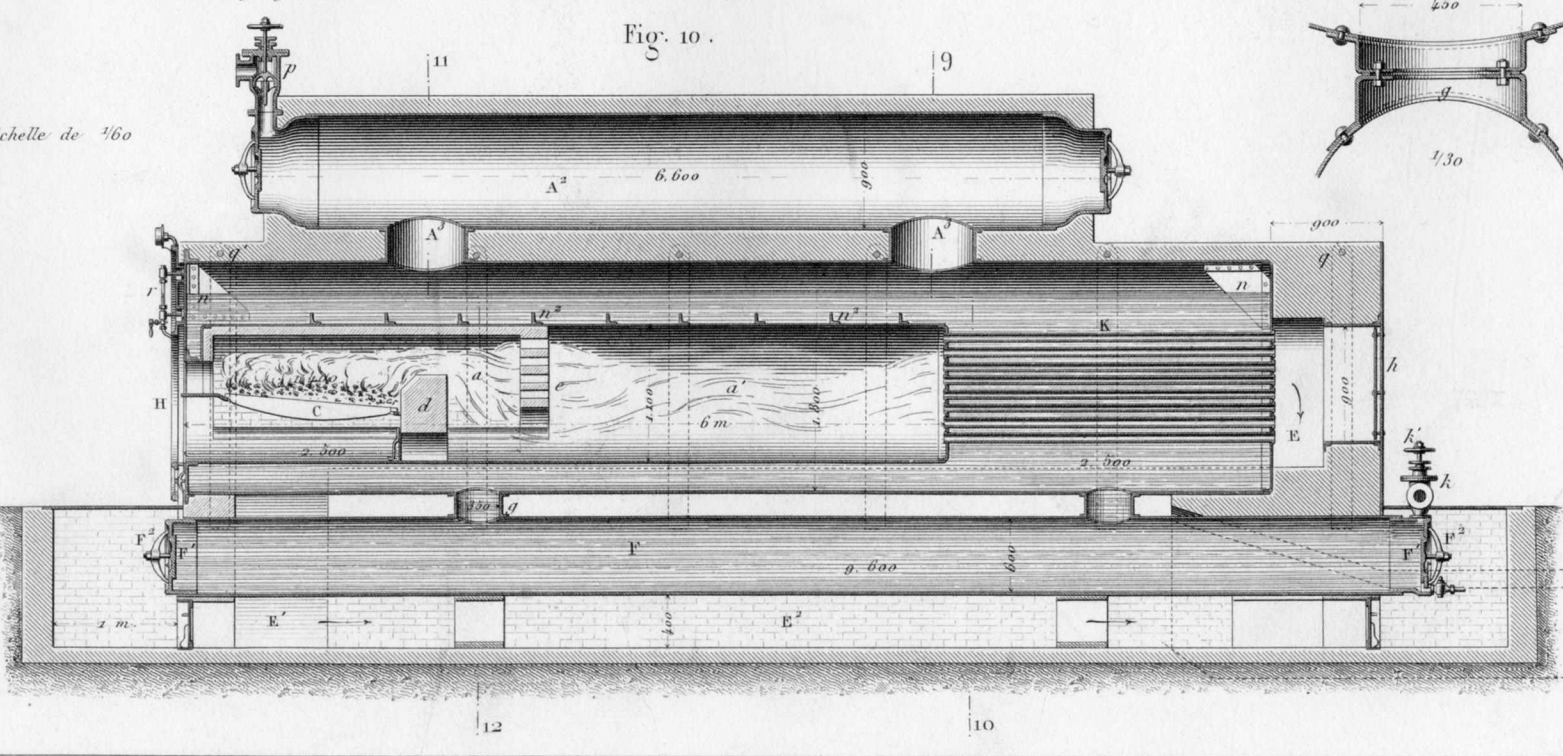
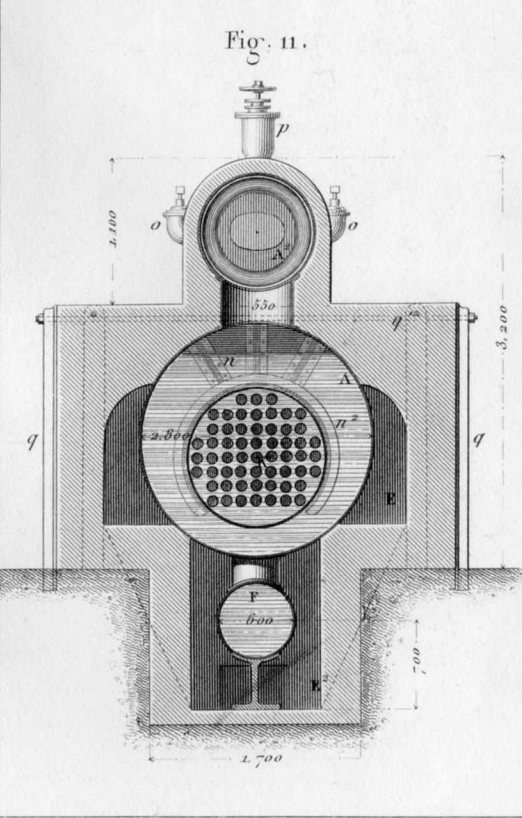


Fig. 14.

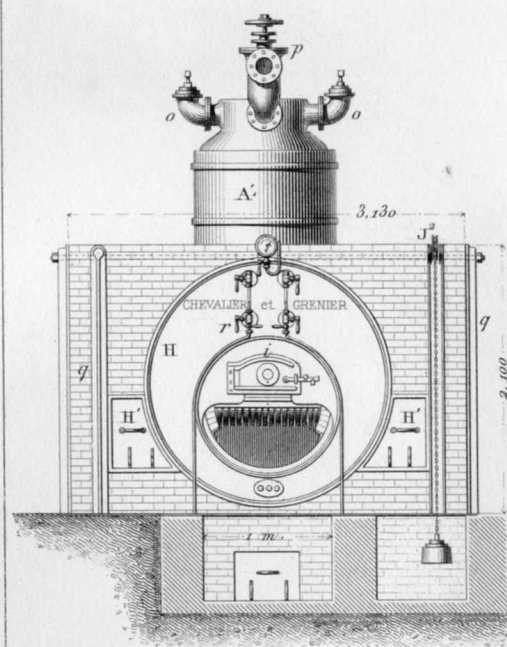
*Chaudière à foyer intérieur réverbère avec bouilleur intérieur.*

Fig. 15.

Echelle de 1/60

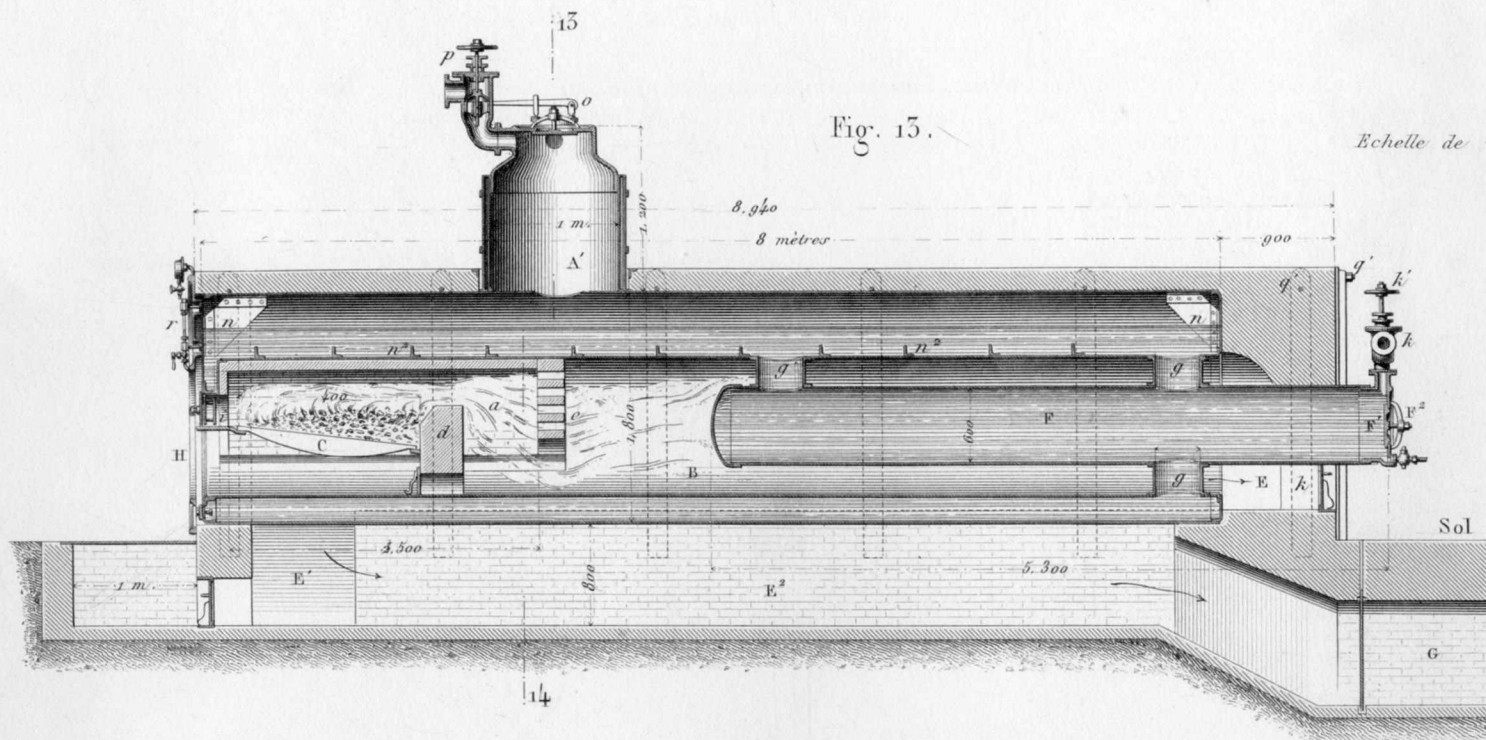


Fig. 15.

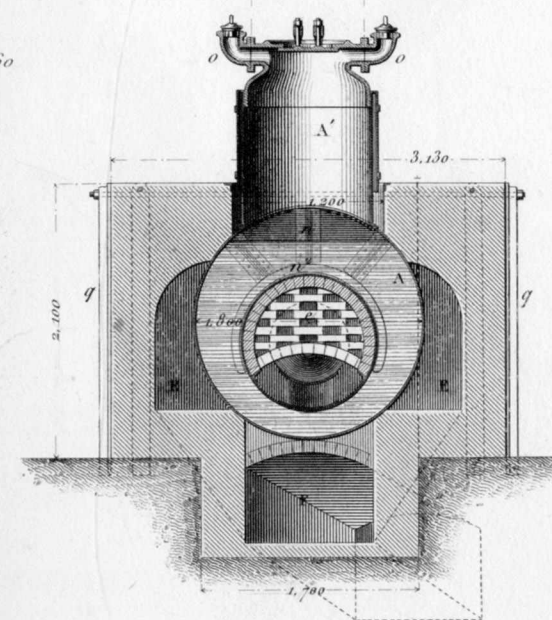
*Chaudière à foyer intérieur réverbère avec décanteur des gaz chauds.*

Fig. 18

Coupe suivant 15-16

Echelle de 1/60

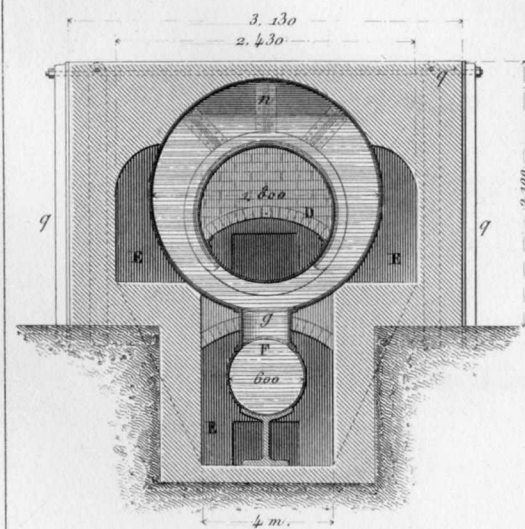


Fig. 17

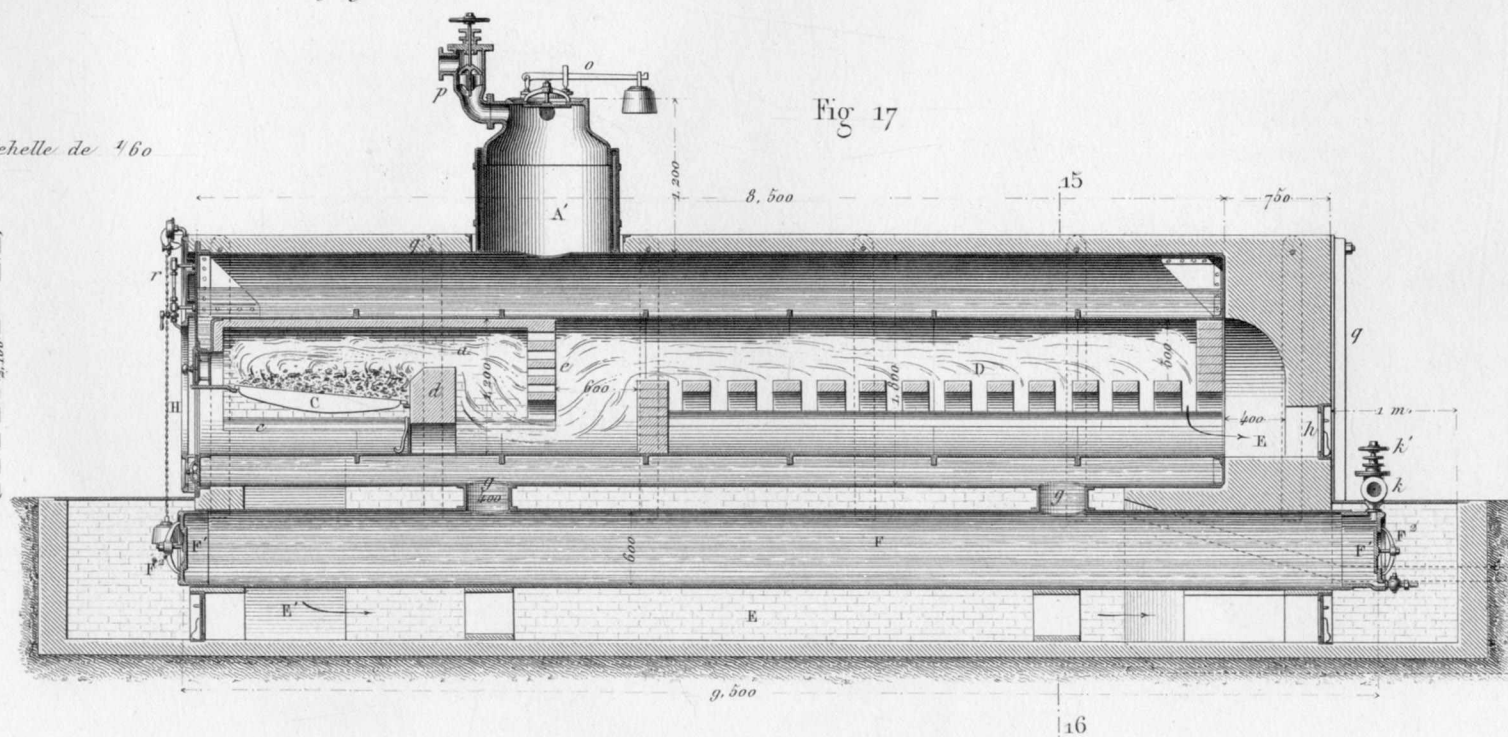


Fig. 16

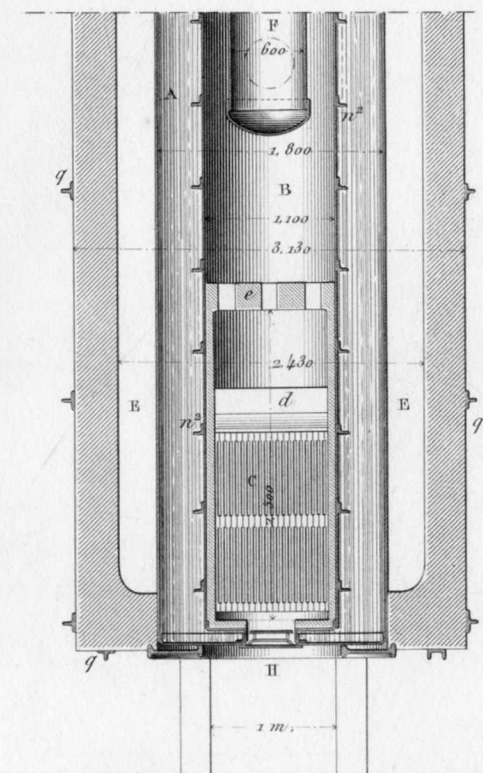


Fig. 3.

Coupe transversale par 7-8.

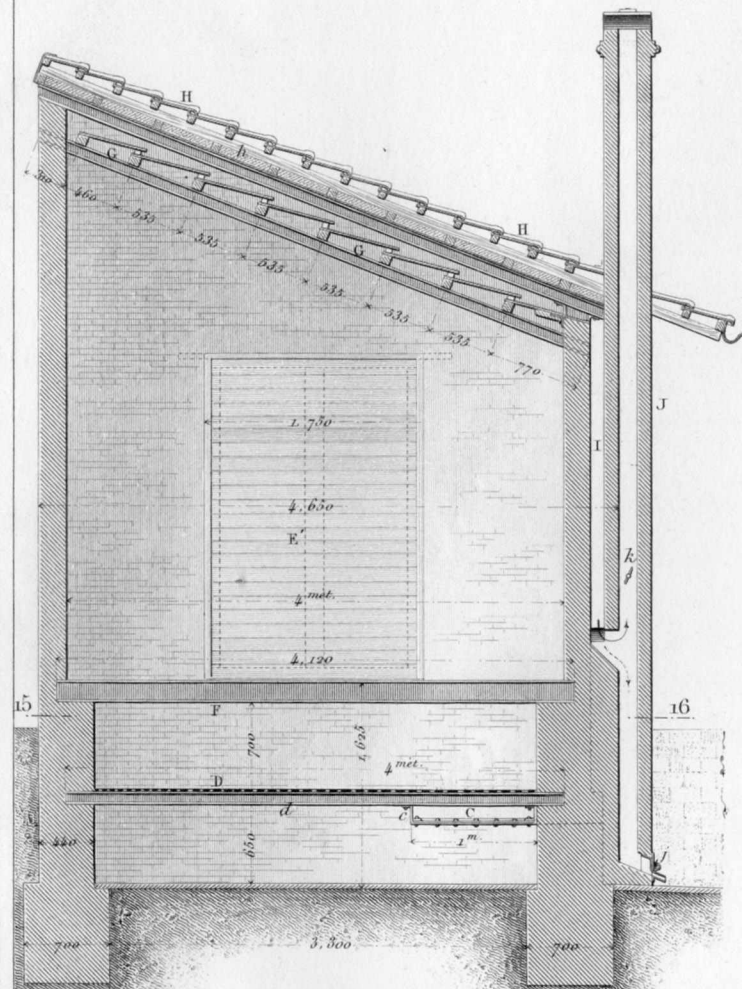


Fig. 6

Coupe horizontale par 15-16.

Fig. 1.

Vue de Face

Coupe longitudinale par 1-2-3-4.

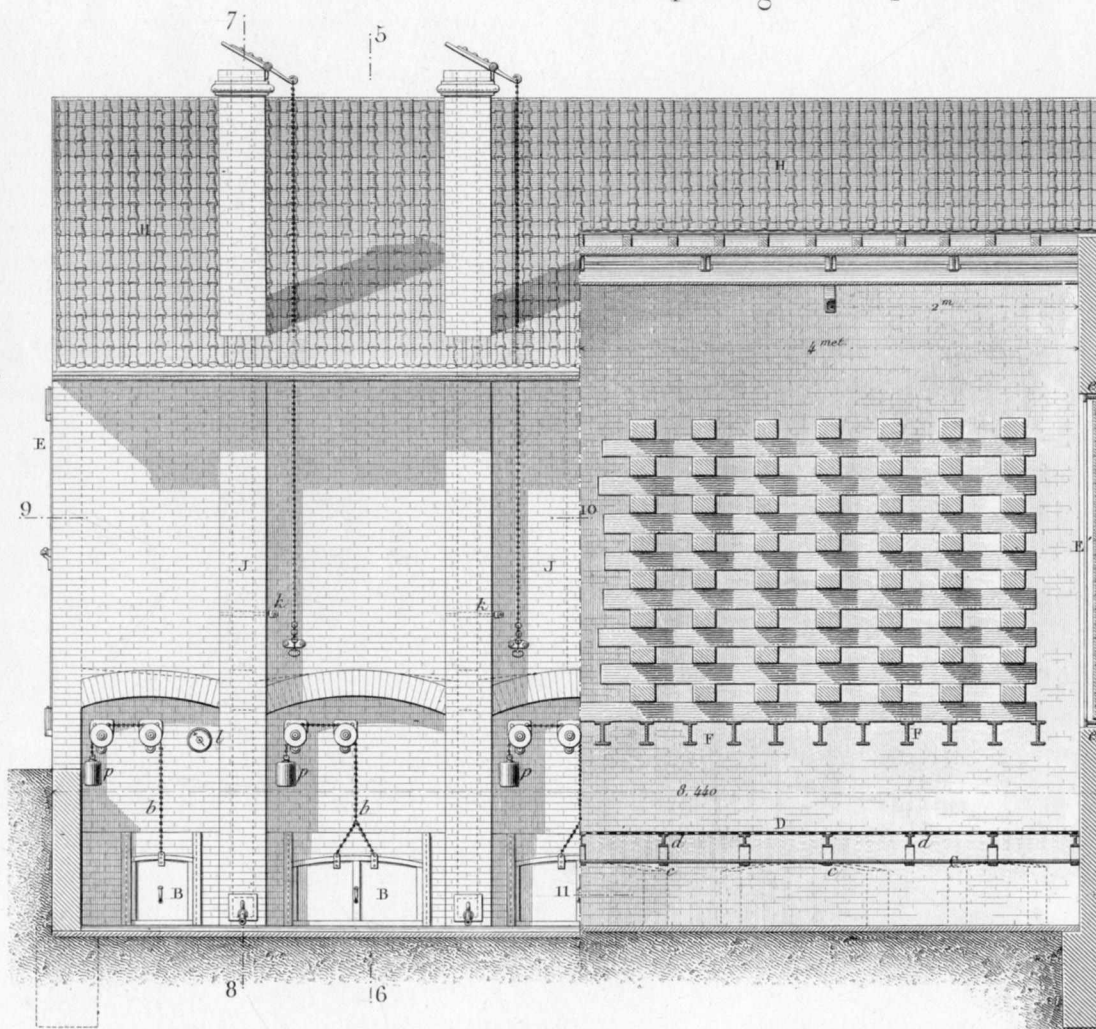


Fig. 4.

Coupe horizontale suivant 9-10-11-12

Echelle de 1/60.

Fig. 2.

Coupe transversale par 5-6.

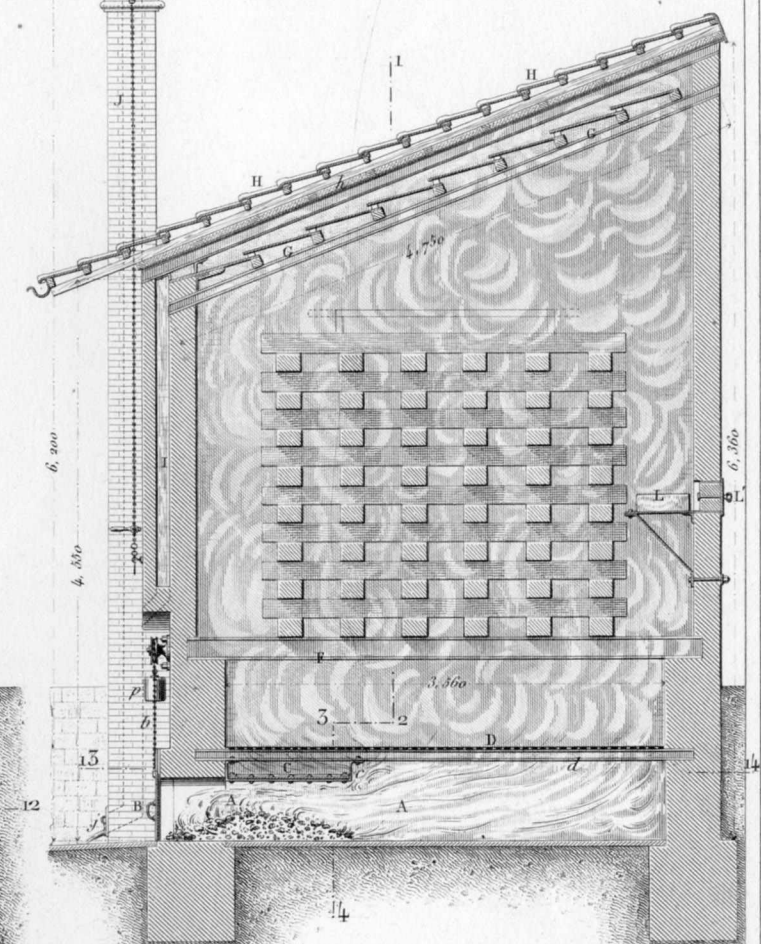
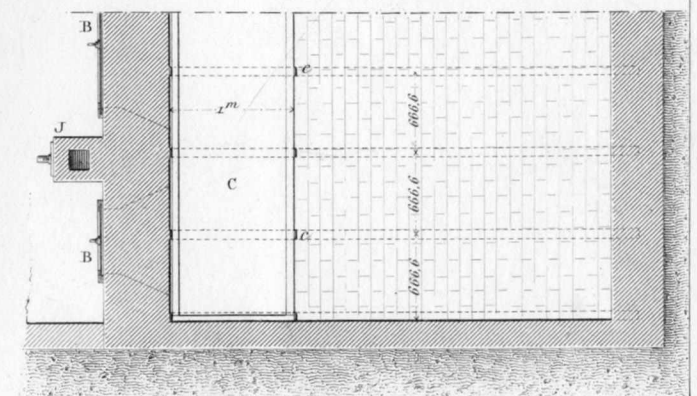
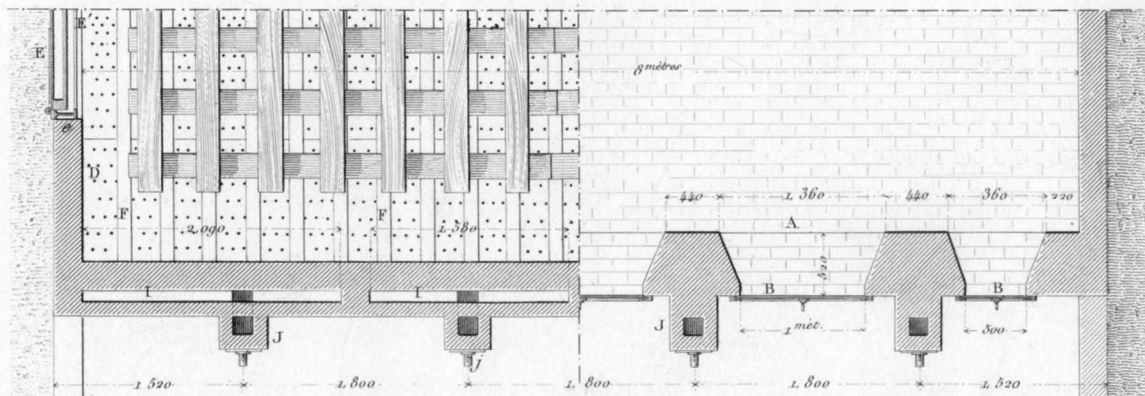
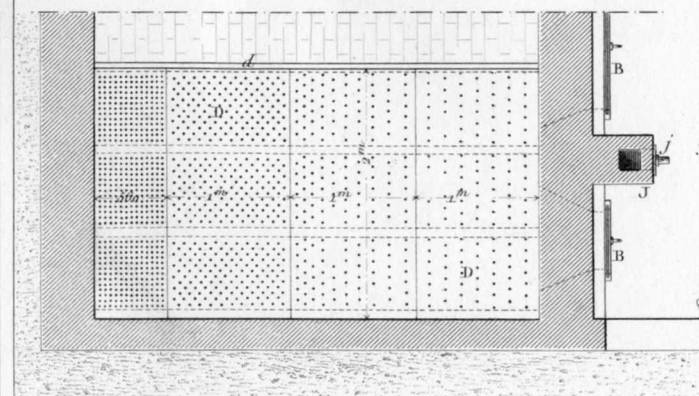


Fig. 5.

Coupe horizontale par 13-14



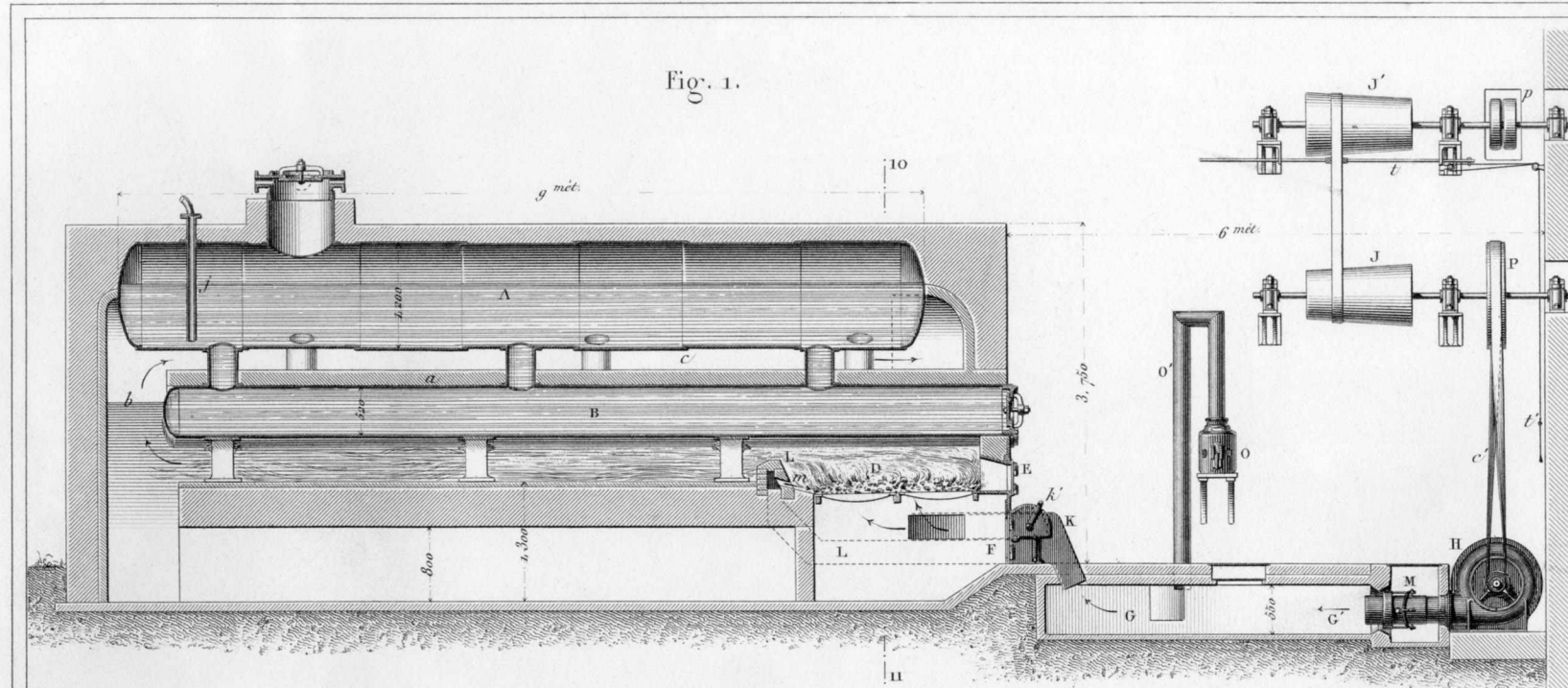


Fig. 1.

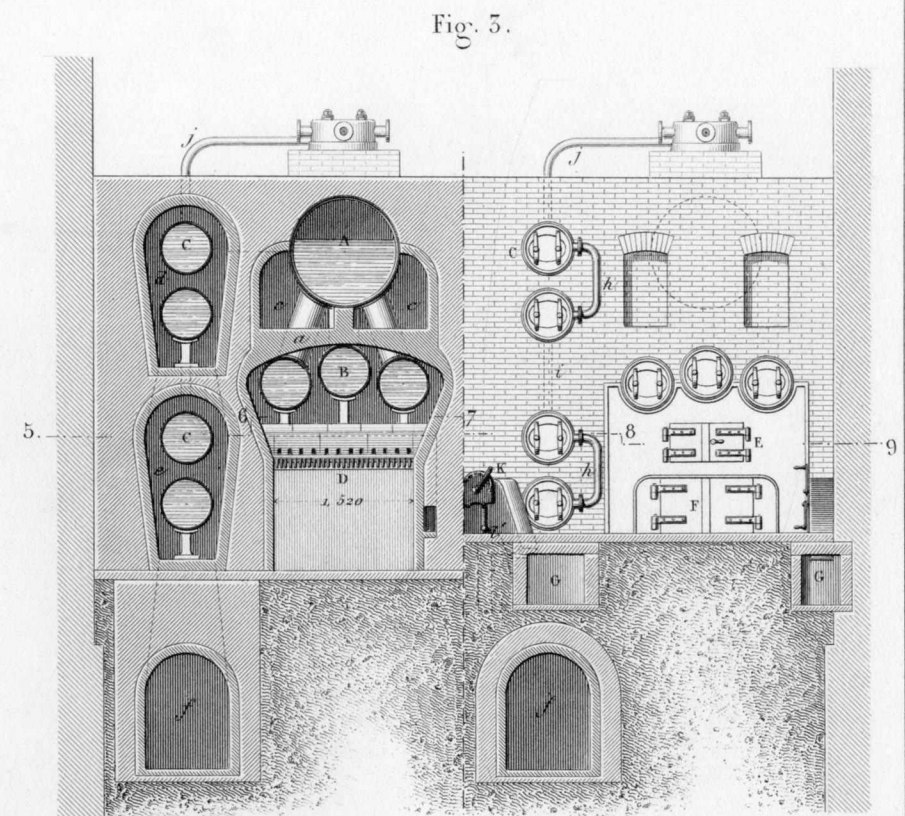


Fig. 5.

Echelle de 1/80

Fig. 2.

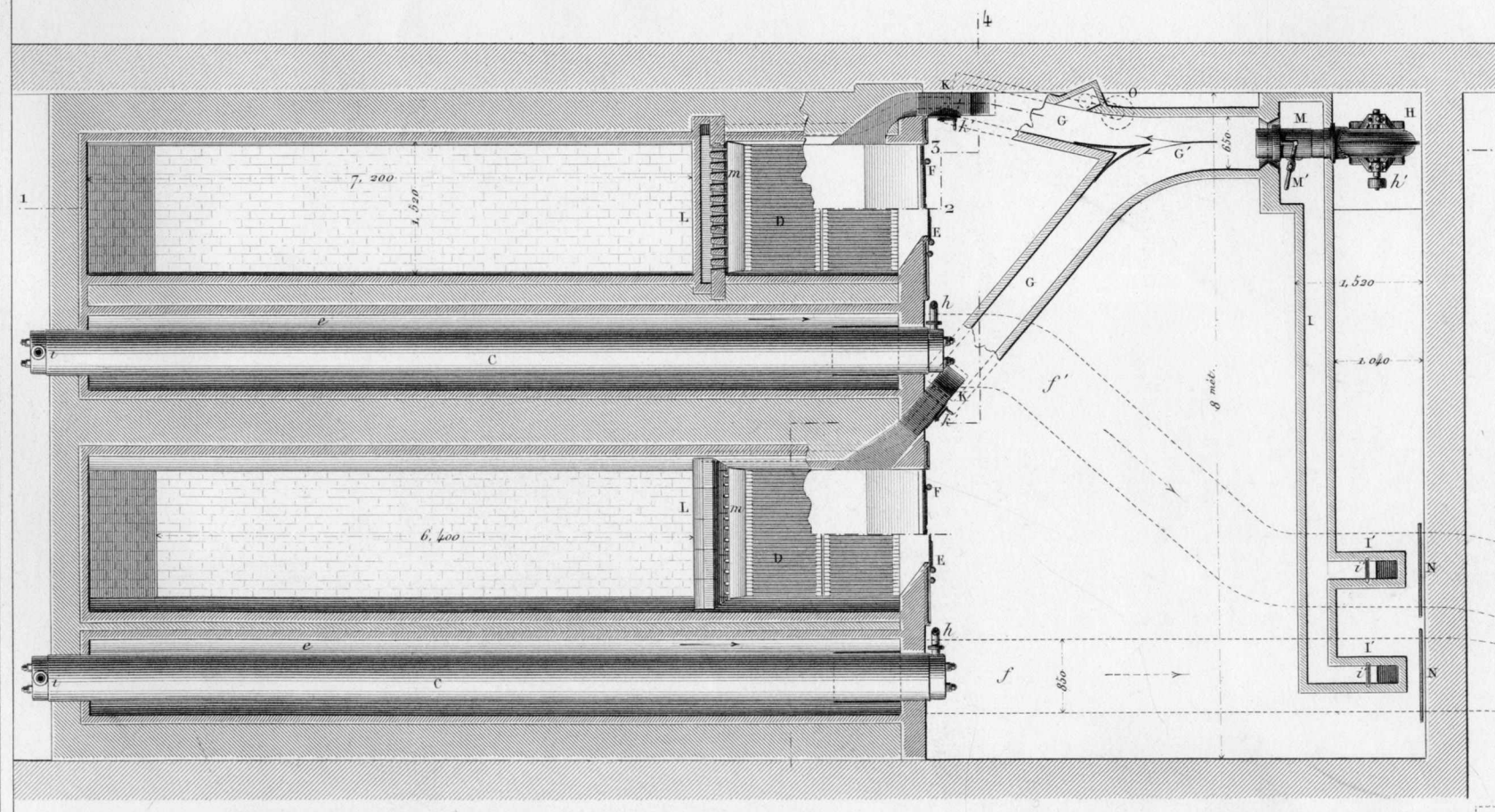


Fig. 8.

Fig. 5.

Fig. 4.

Fig. 9.

Fig. 7.

Fig. 6.

Echelle de 1/20