

Auteur ou collectivité : Germinet, Gustave

Auteur : Germinet, Gustave (18..-18..)

Titre : L'éclairage à travers les siècles

Auteur : Germinet, Gustave (18..-18..)

Titre du volume : Atlas

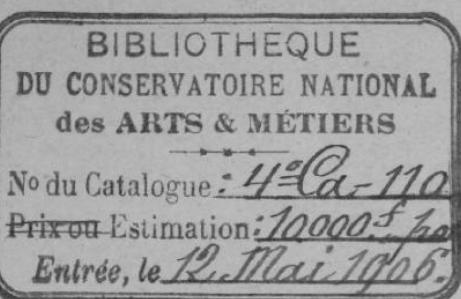
Collation : 1 vol. (18 p., 107 f. de pl.) : ill. en noir, 28 cm

Cote : Ms 41

Sujet(s) : Éclairage ; Éclairage au gaz ; Éclairage électrique ; Éclairage public -- France -- Paris (France)

URL permanente : <http://cnum.cnam.fr/redir?MS41>

MS 41



Droits réservés au Cnam et à ses partenaires

L'ECLAIRAGE

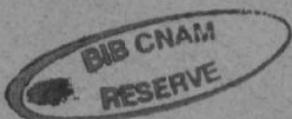
A TRAVERS LES SIECLES

Par Gustave Germinet



ATLAS

I



Droits réservés au Cnam et à ses partenaires

ECLAIRAGE ANTIQUÉ

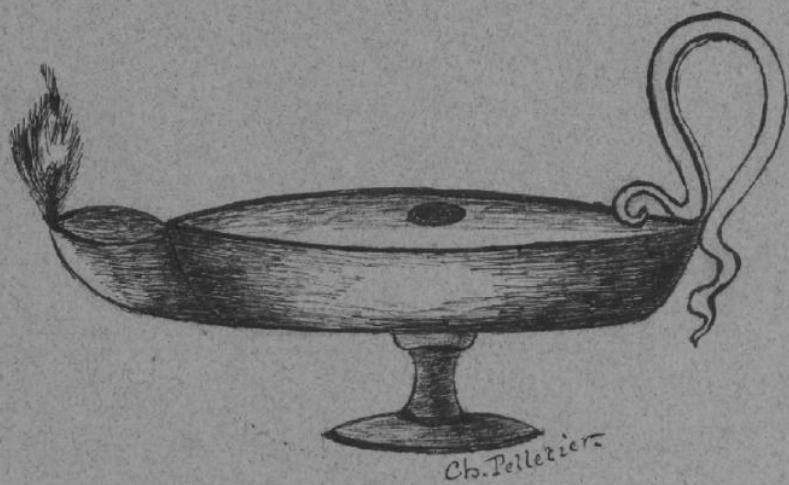


Dessins de Charles Pelletier



Fig.I

ECLAIRAGE A L'HUILE



Lucerna



Fig.2

ECLAIRAGE A L'HUILE

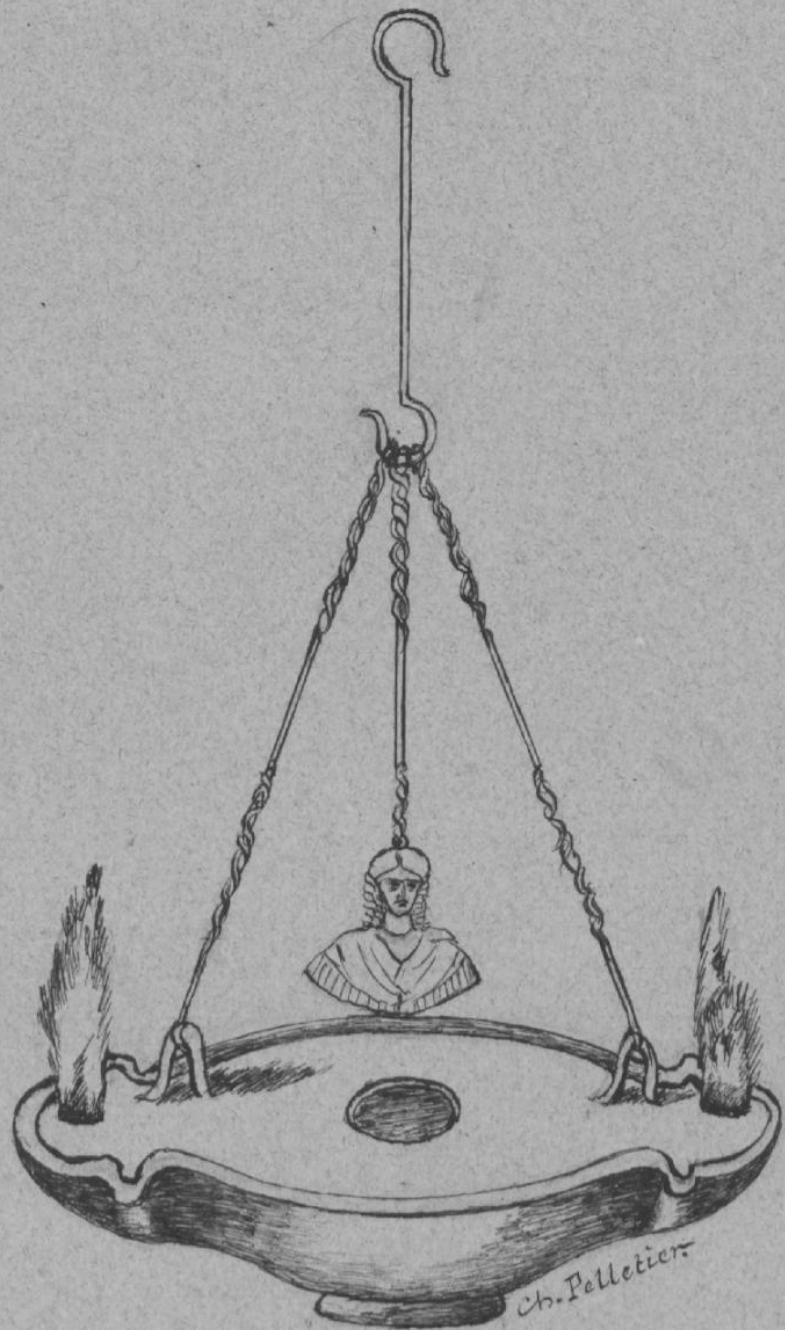


**Candelabrum
supportant une Lucerna**

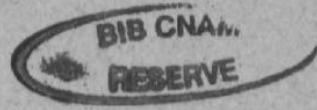


Fig. 3

ECLAIRAGE A L'HUILE



Ch. Pelletier.

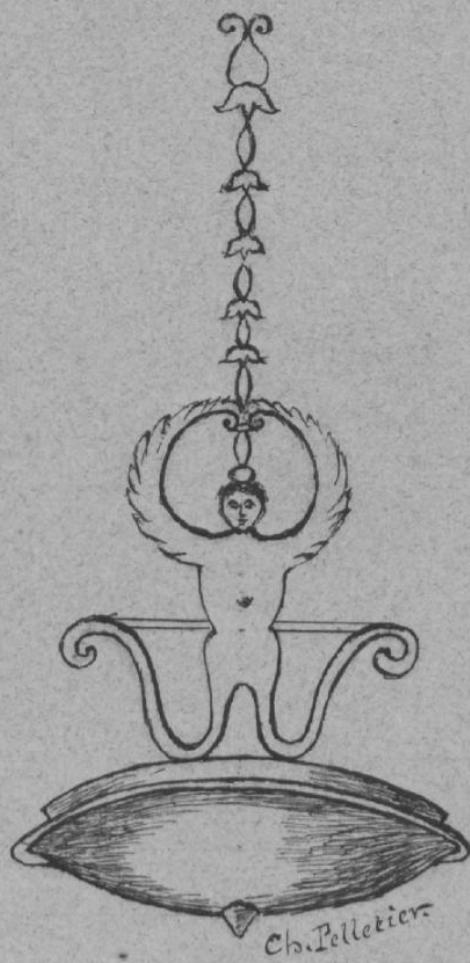


Bilychnis

ou Lucerna à 2 lumières

Fig. 4

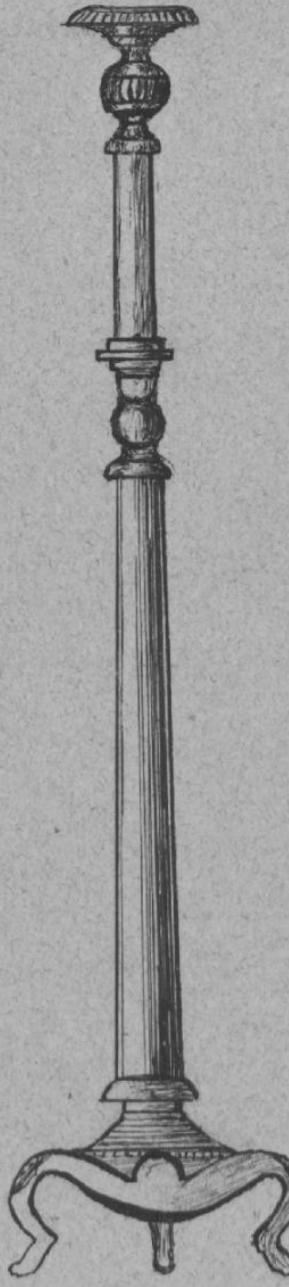
ECLAIRAGE A L'HUILE



Lychnus

Fig. 5

ECLAIRAGE A L' HUILE



BIB CNAME
RESERVE

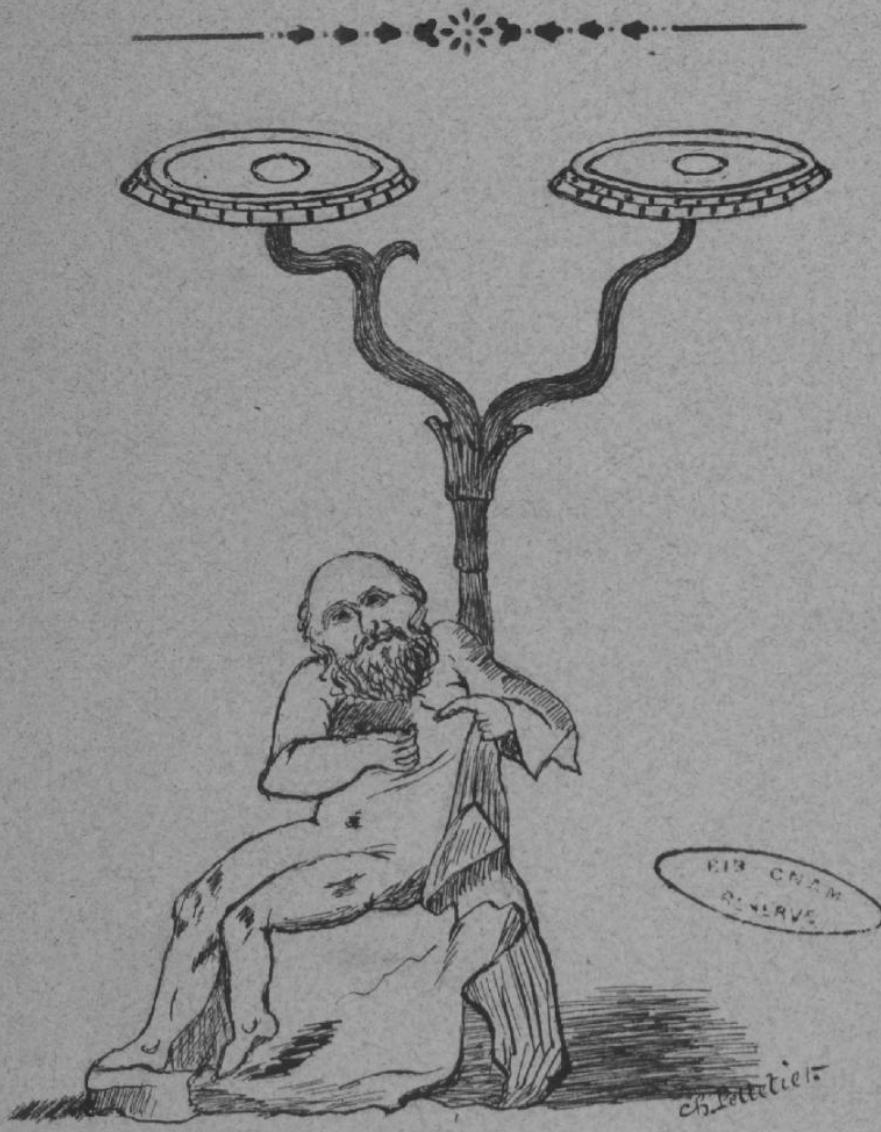
Ch. Pelleteret

Candelabrum

supportant une lampe

Fig. 6

ECLAIRAGE A L'HUILE

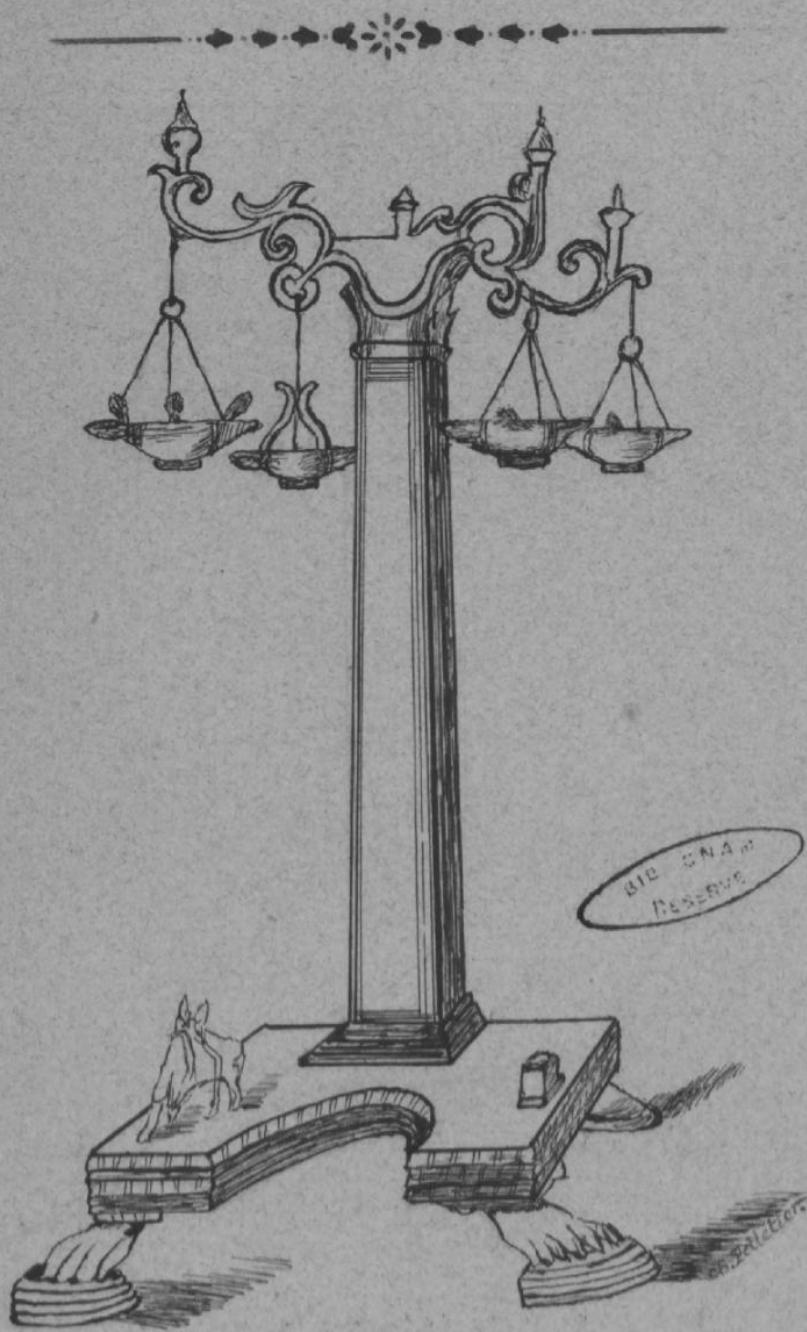


Candelabrum

à deux porte-lampe

Fig. 7

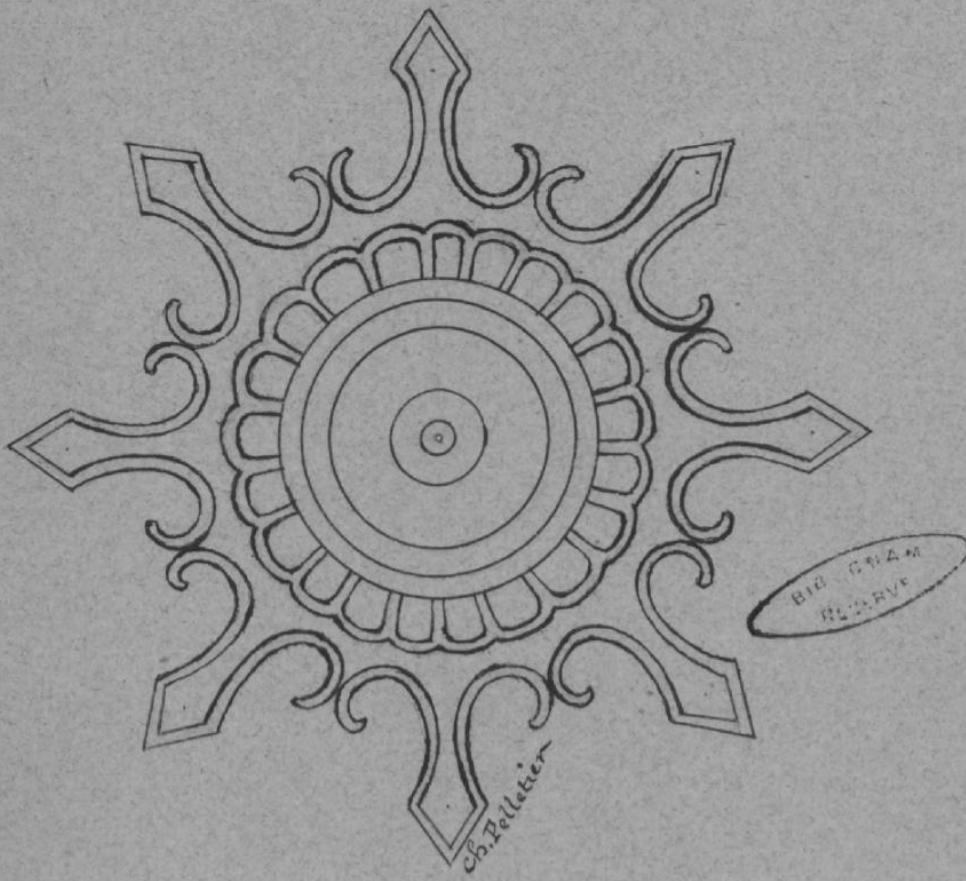
ECLAIRAGE A L'HUILE



Lychnuchus

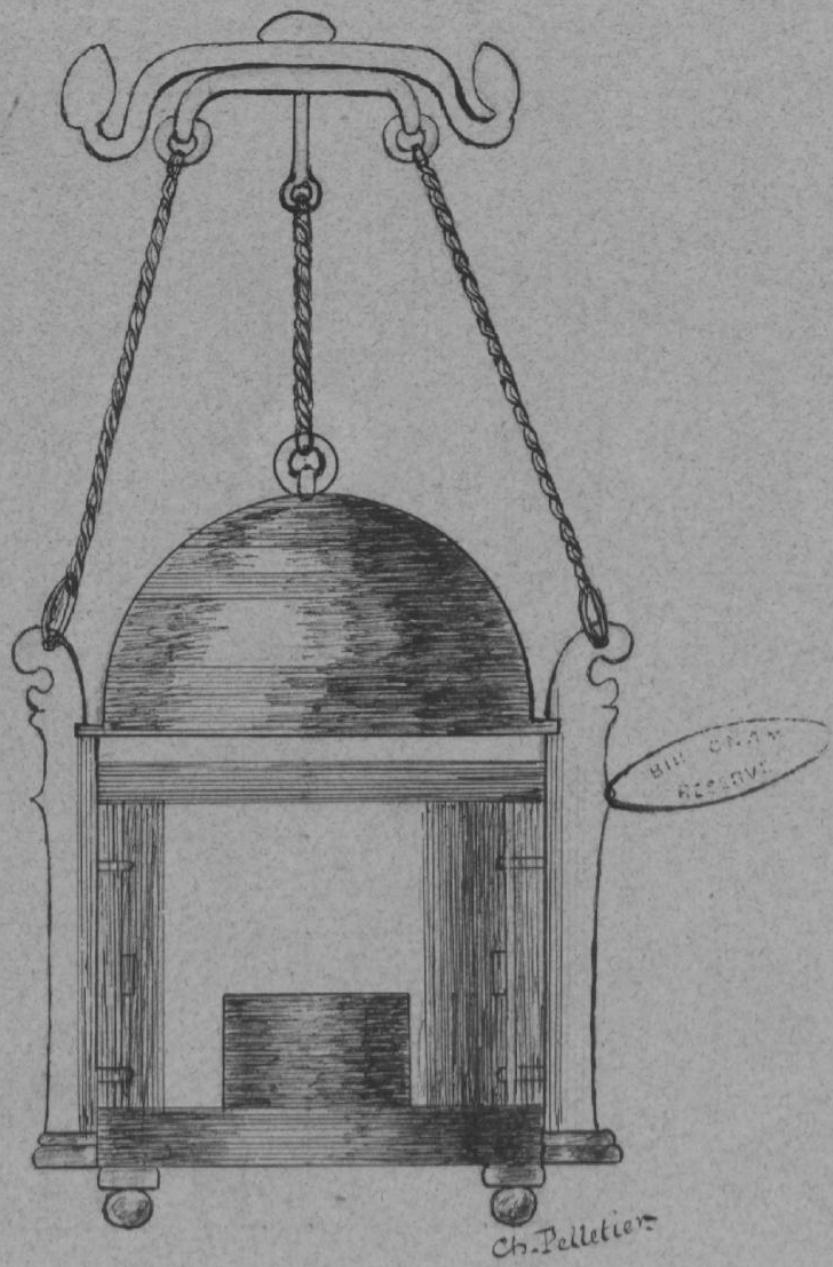
Fig. 8

ECLAIRAGE A L'HUILE



Lychnuchus pensilis

Fig. 9



Lanterna

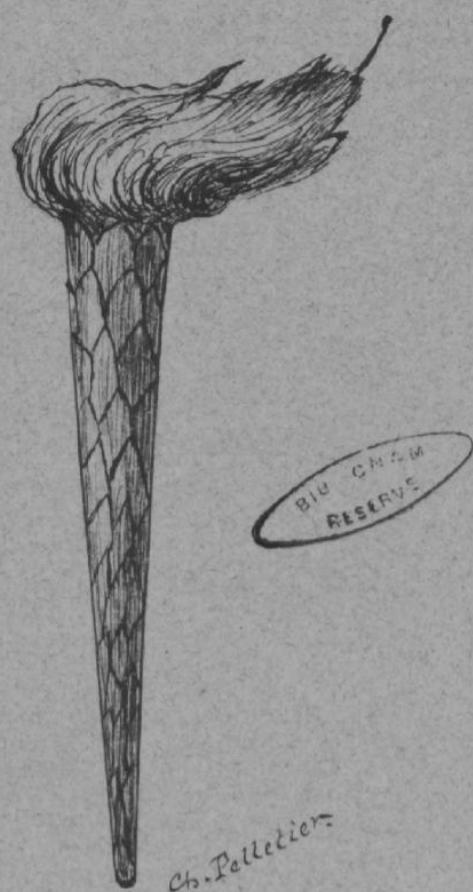
Fig. IO



ch.Pelletier

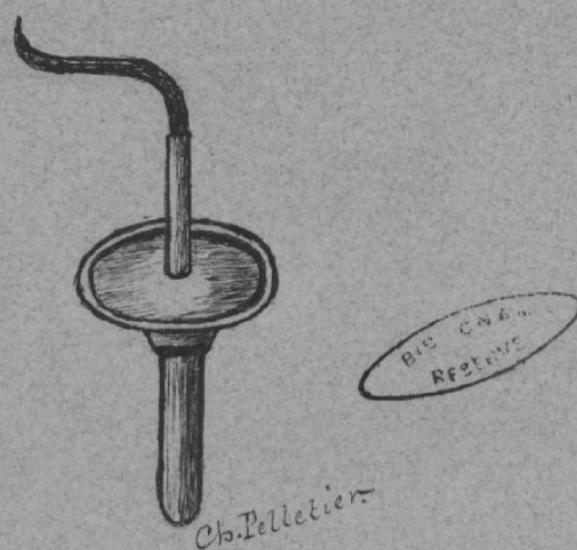
Fax

Fig.II



Teda

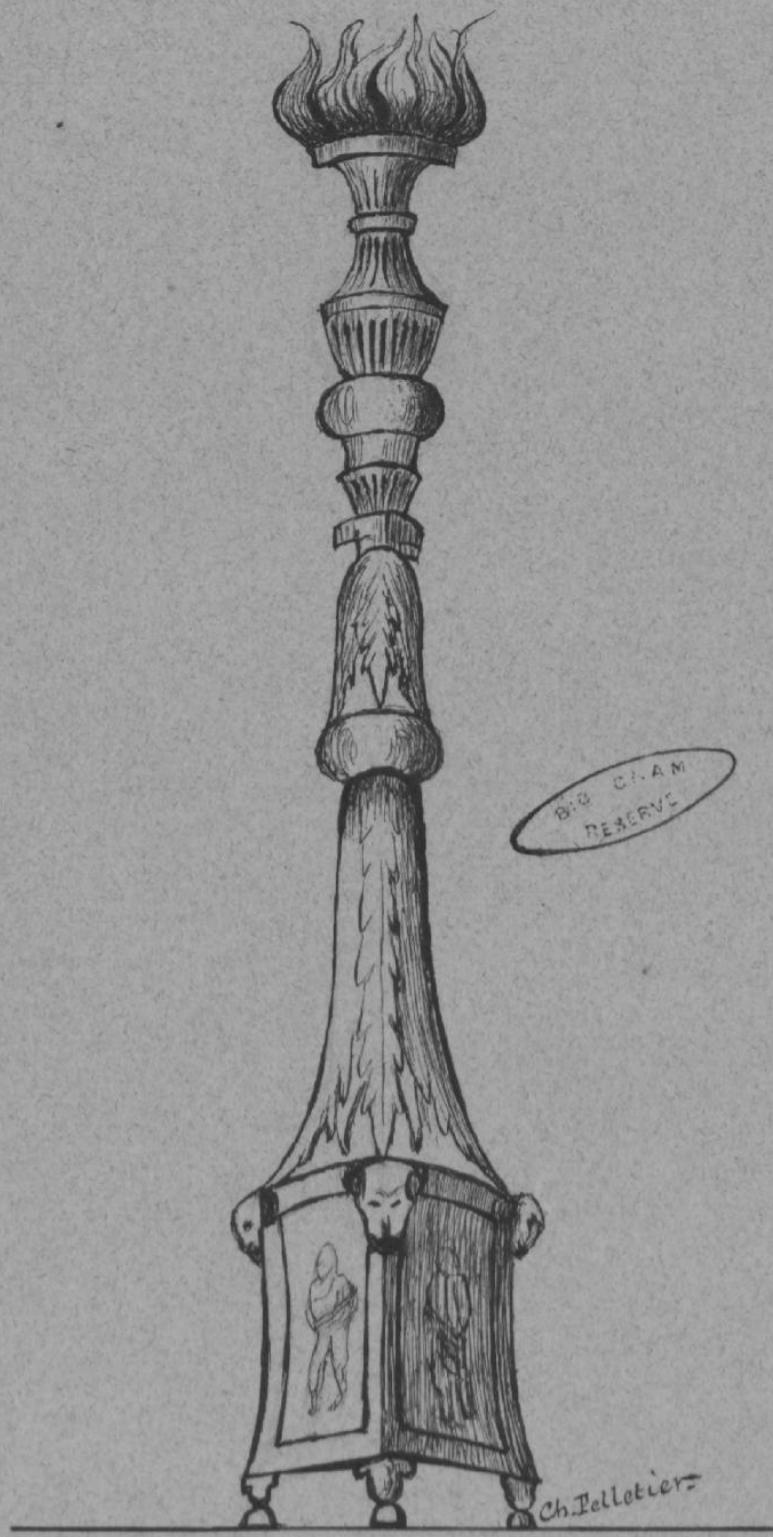
Fig.I2



Lampas

ou flambeau à torche

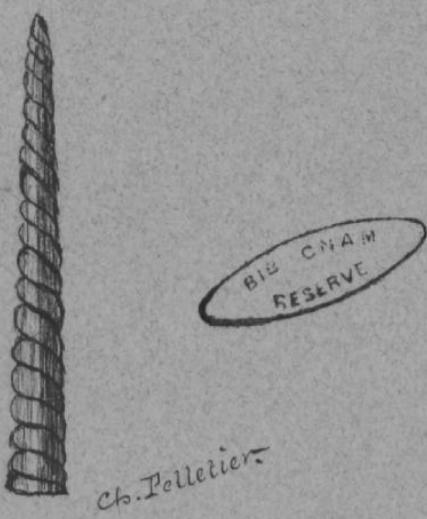
Fig. I 3



Candelabrum

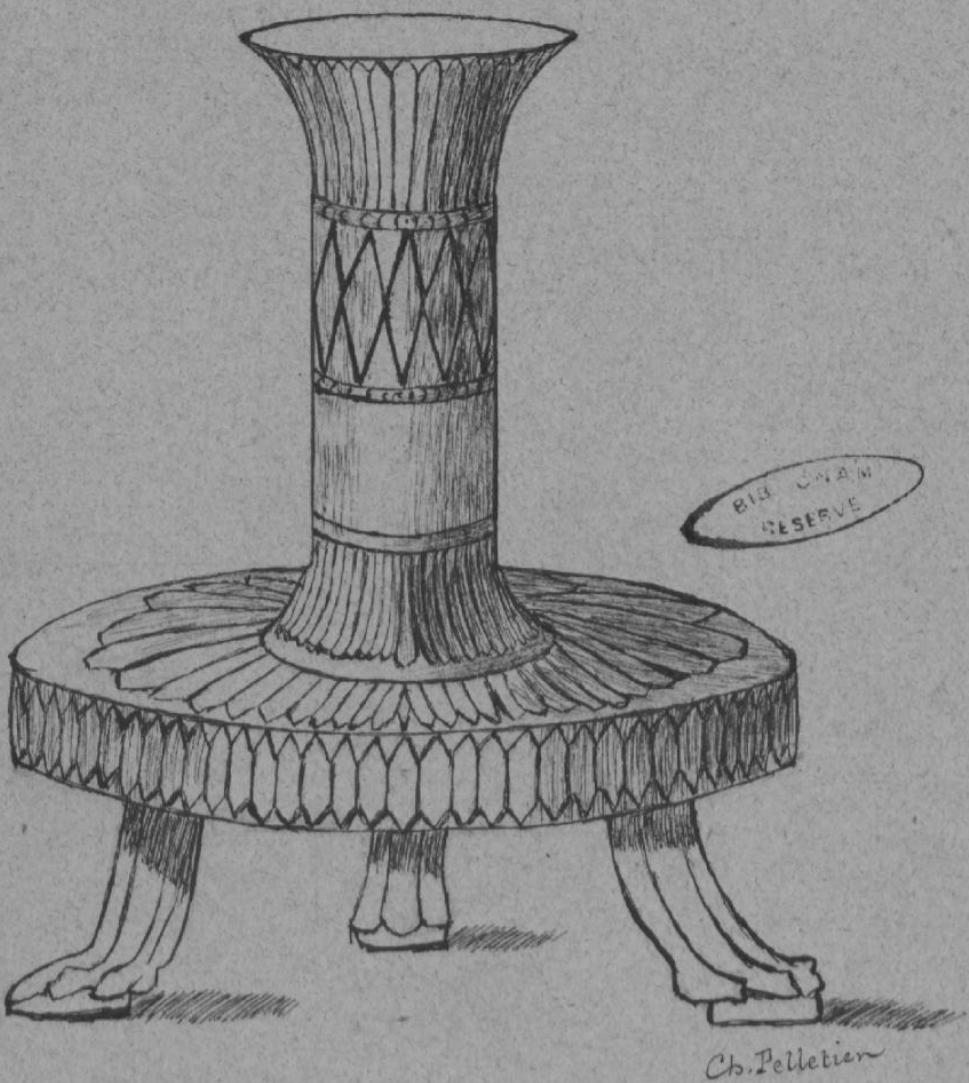
Droits réservés au Cnam et à ses partenaires

Fig. I4



Candela ou Funale

Fig. I5



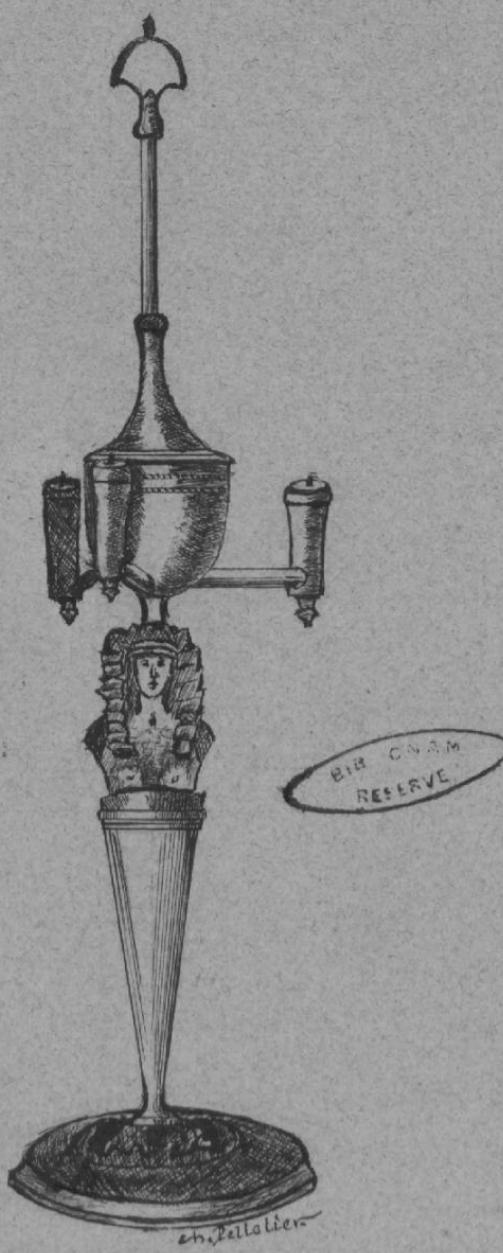
Ch. Pelletier

Candelabrum

pour cande la

Fig I6

ECLAIRAGE A L'HUILE

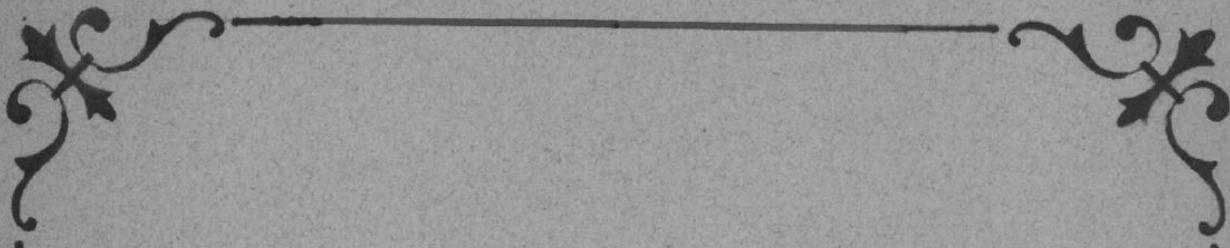


BIB. CNAM
RESERVE

éch. Bellalier

Lampe Egyptienne

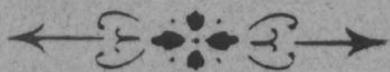
Droits réservés au Cnam et à ses partenaires



L'ECLAIRAGE

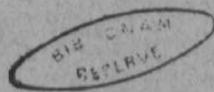
A TRAVERS LES SIECLES

Par Gustave Germinet



ATLAS

II



ECLAIRAGE
DU MOYEN AGE
AUX TEMPS MODERNES



475-1783

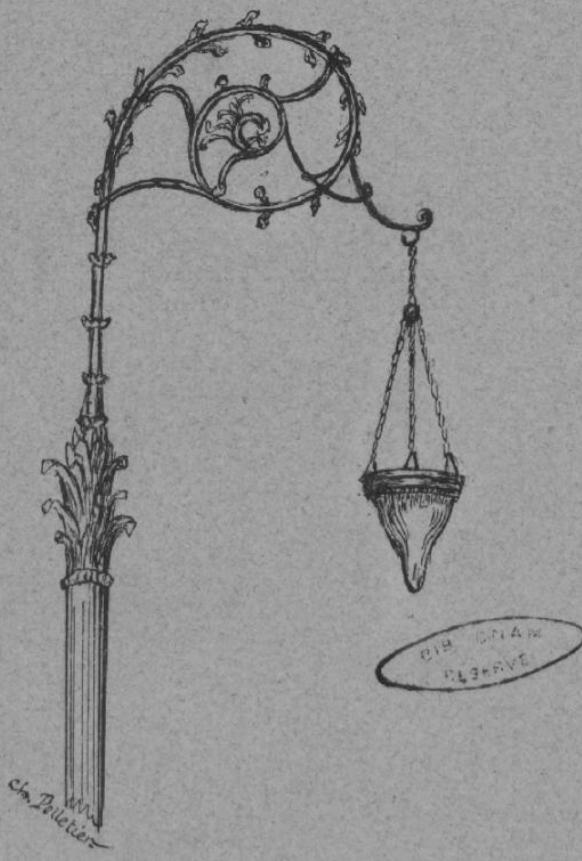


Dessins de Charles Pelletier



Fig.I

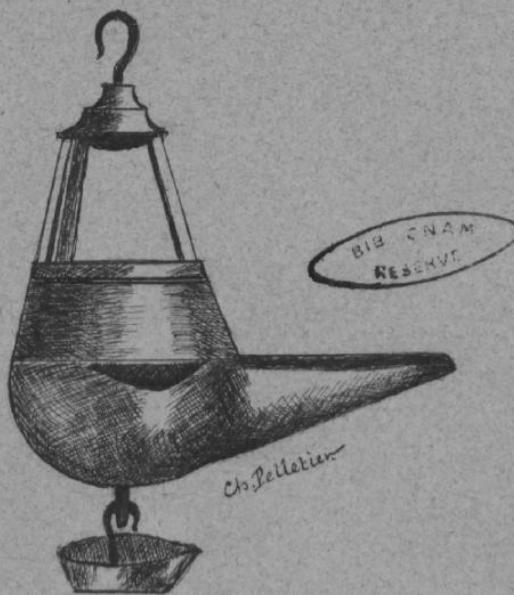
ECLAIRAGE A L'HUILE



LAMPE D'ÉGLISE
avec crosse en fer
(moyen âge)

Fig. 2

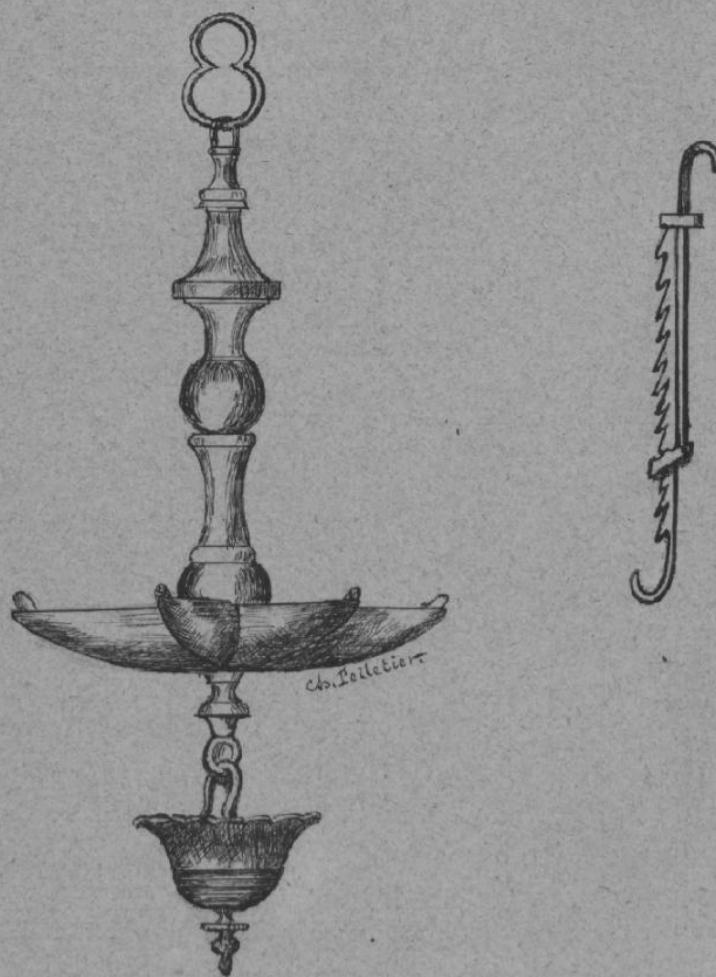
ECLAIRAGE A L'HUILE



Lampe ancienne
à mèche filée

Fig.3

ECLAIRAGE A L'HUILE



LAMPE JUIVE
avec sa crémaillère

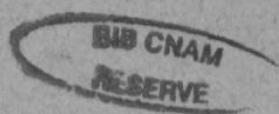


Fig 4

ECLAIRAGE A L'HUILE

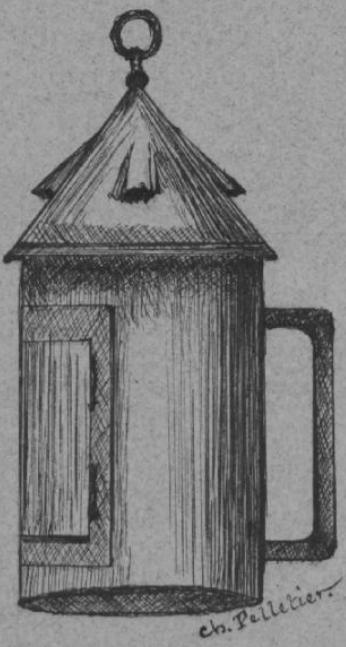


ch.Pelletier-

Ancien ustensile d'éclairage
pour âtre de cheminée



Fig.5



FALOT

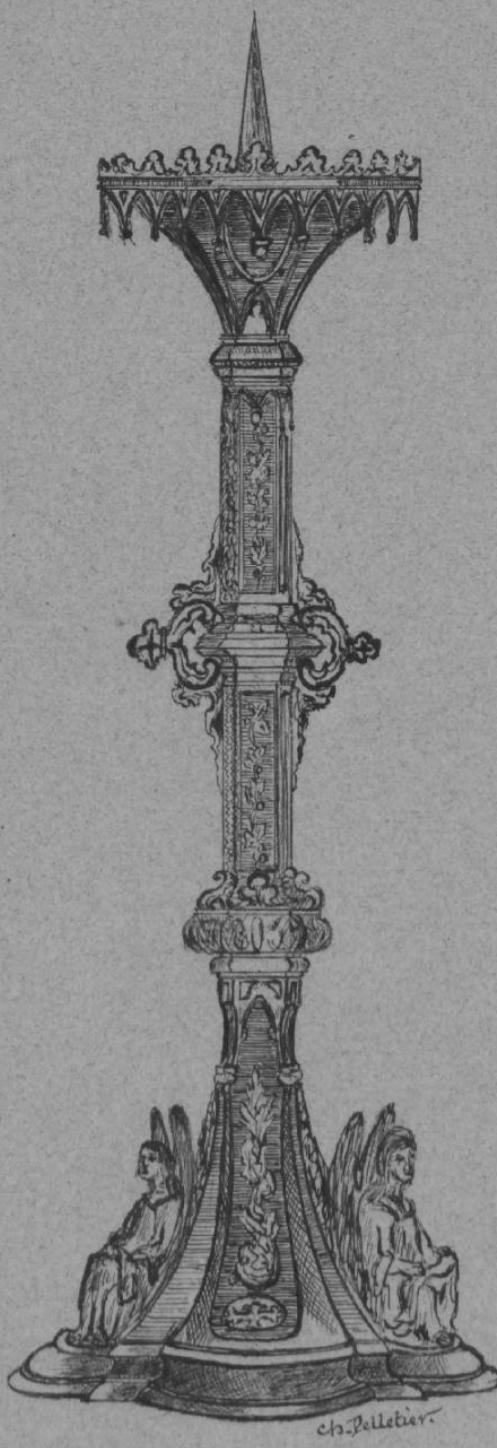


Fig. 6



FALOT

Fig. 7



ch. Pelleterie.

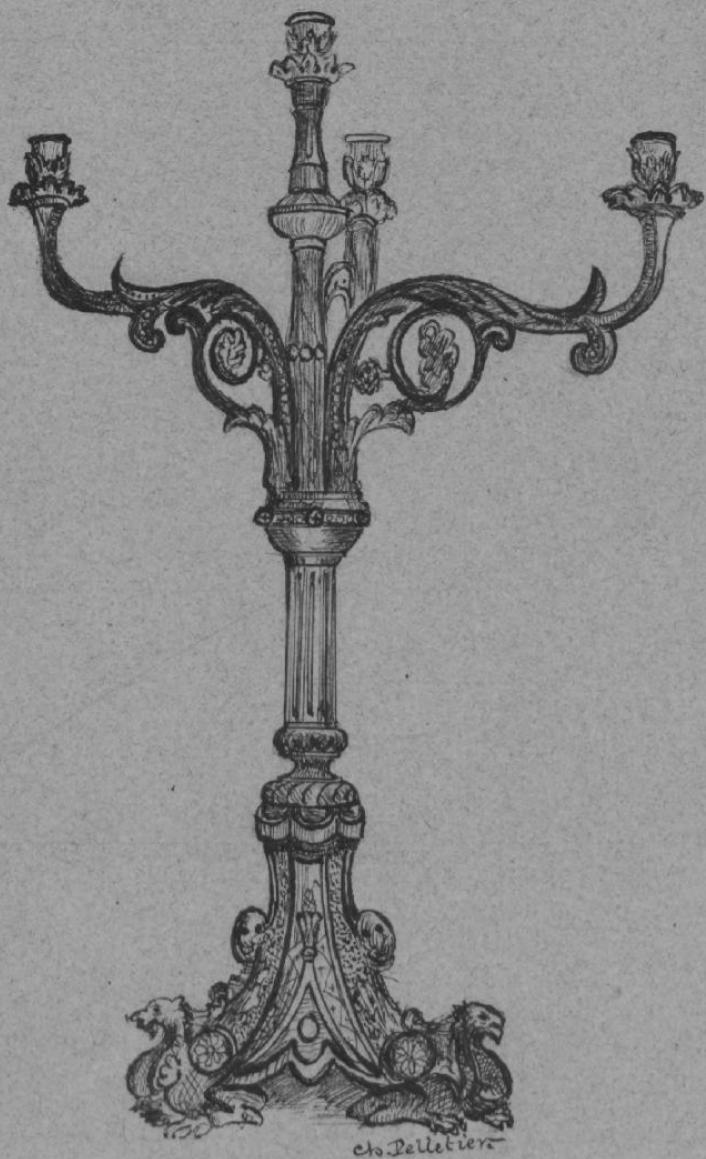


FLAMBEAU D'AUTEL

(Style gothique)

Droits réservés au Cnam et à ses partenaires

Fig. 8



éto. Pelleterie



CANDELABRE (Style roman)

Fig. 9

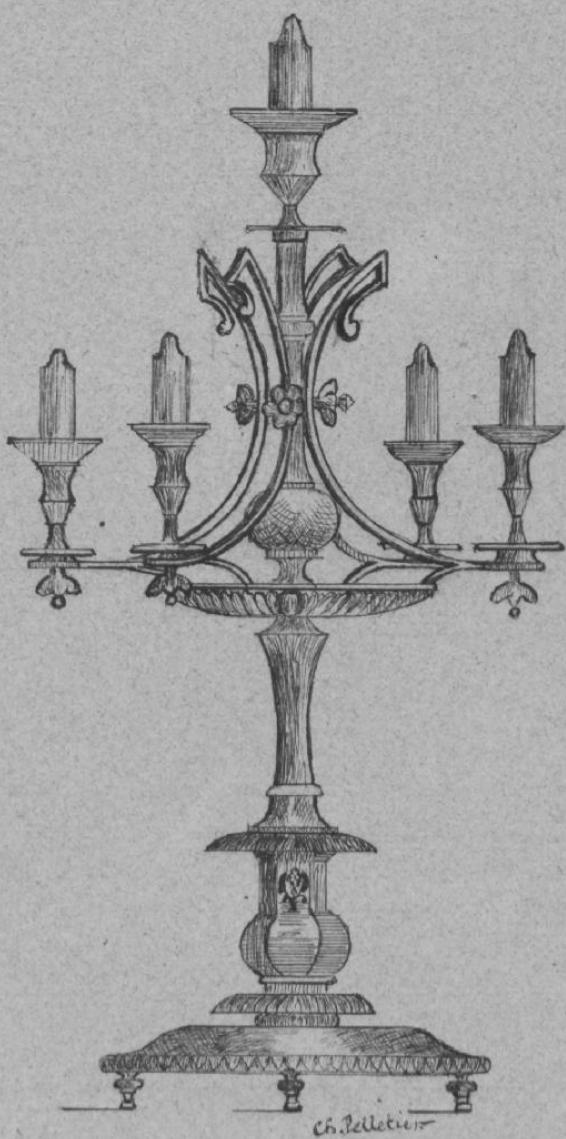


GIRANDOLE - APPLIQUE

(Style byzantin)



Fig. IO



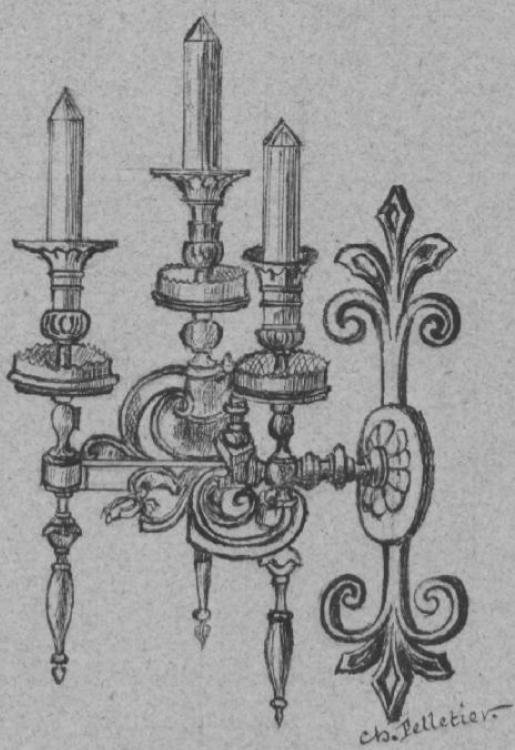
Ch. Pelleterie

BIB. CNAM
RESERVE

CANDÉLABRE

(Style grec)

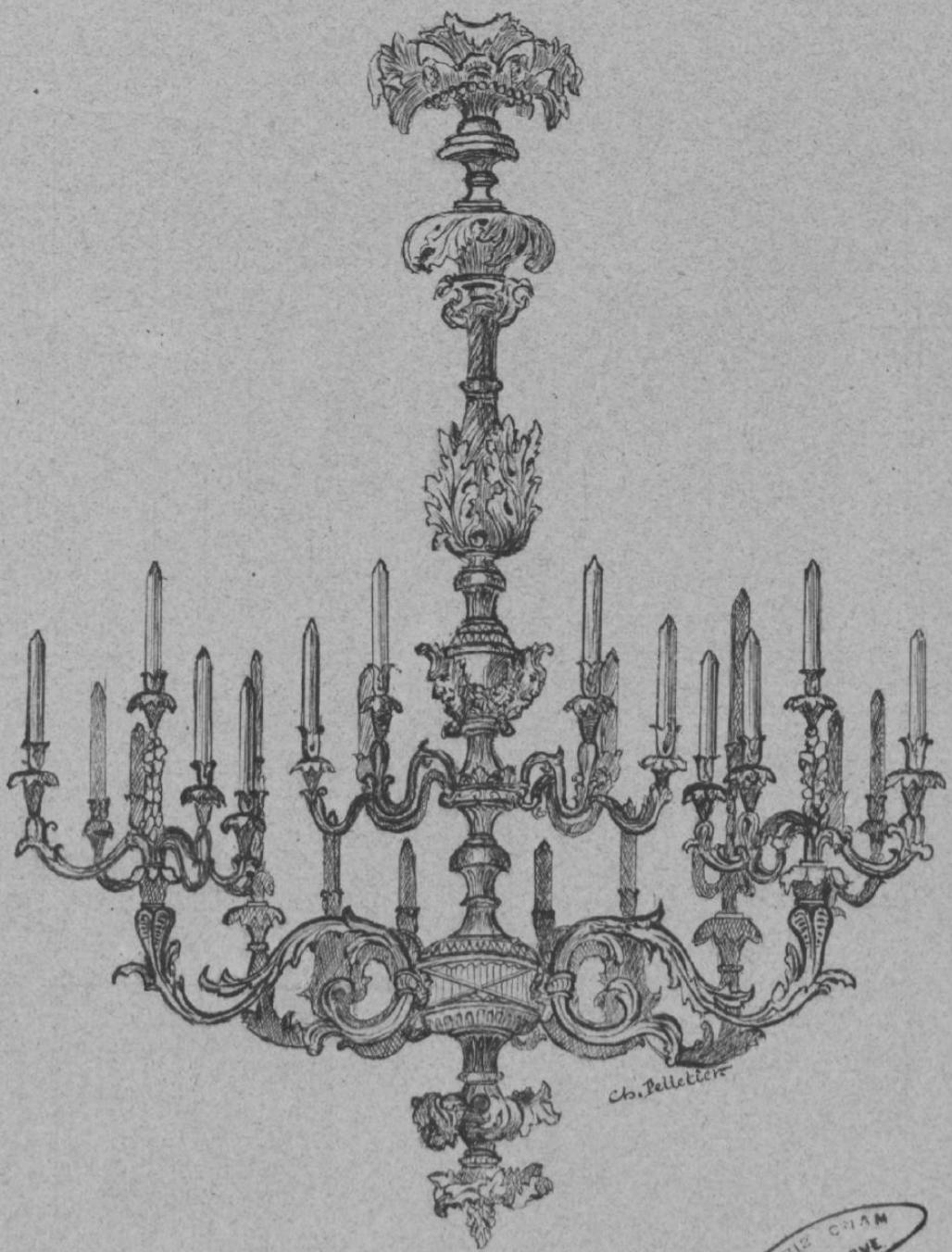
Fig II



BIB CNA M
RESERVE

APPLIQUE À 3 LUMIÈRES (Style Louis XIII)

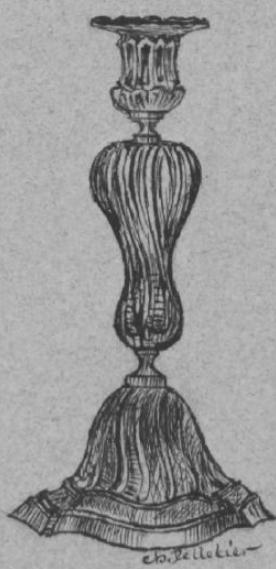
Fig I2



LUSTRE A BOUGIES

(Style Louis XIV)

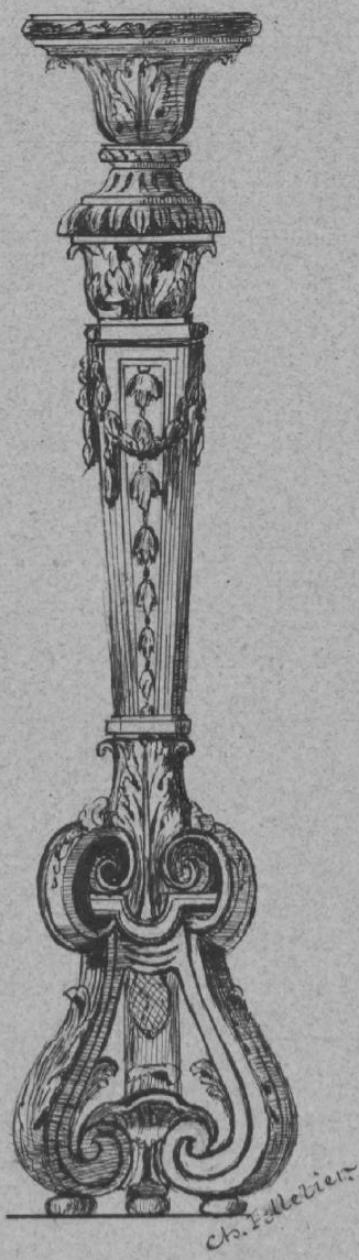
Fig I3



FLAMBEAU
(Style Louis XV)

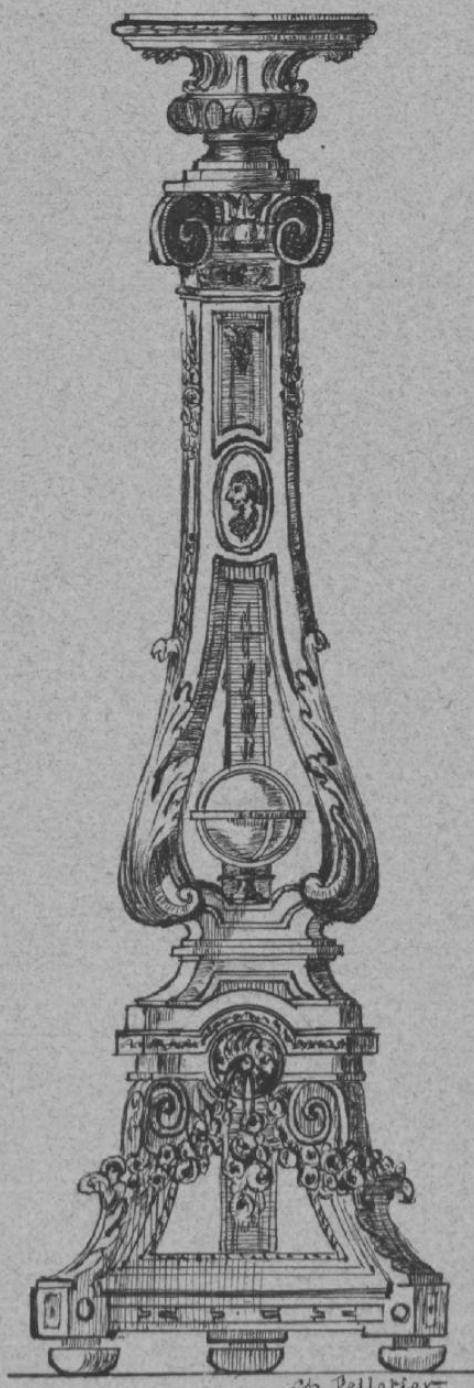


Fig. I4

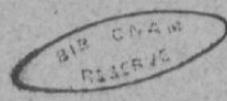


TORCHÈRE
(Style Louis XV)

Fig. I5

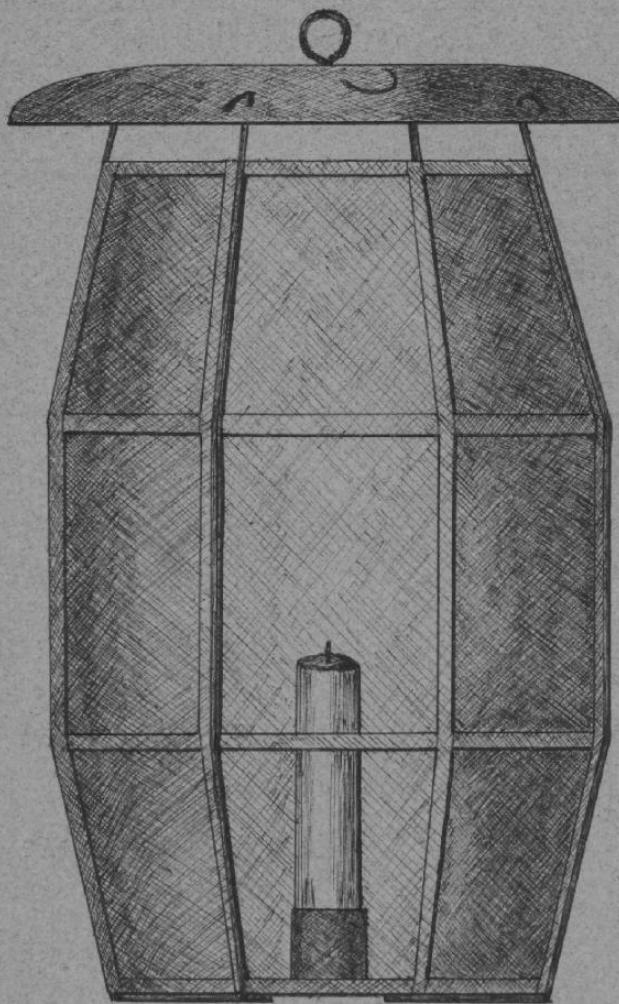


Ch. Bellotier.

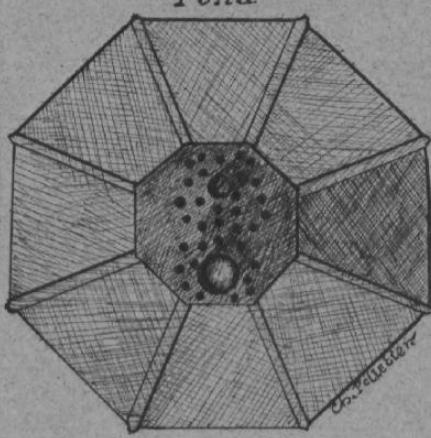


TORCHÈRE
(Style Louis XV)

Fig. I6



Fond



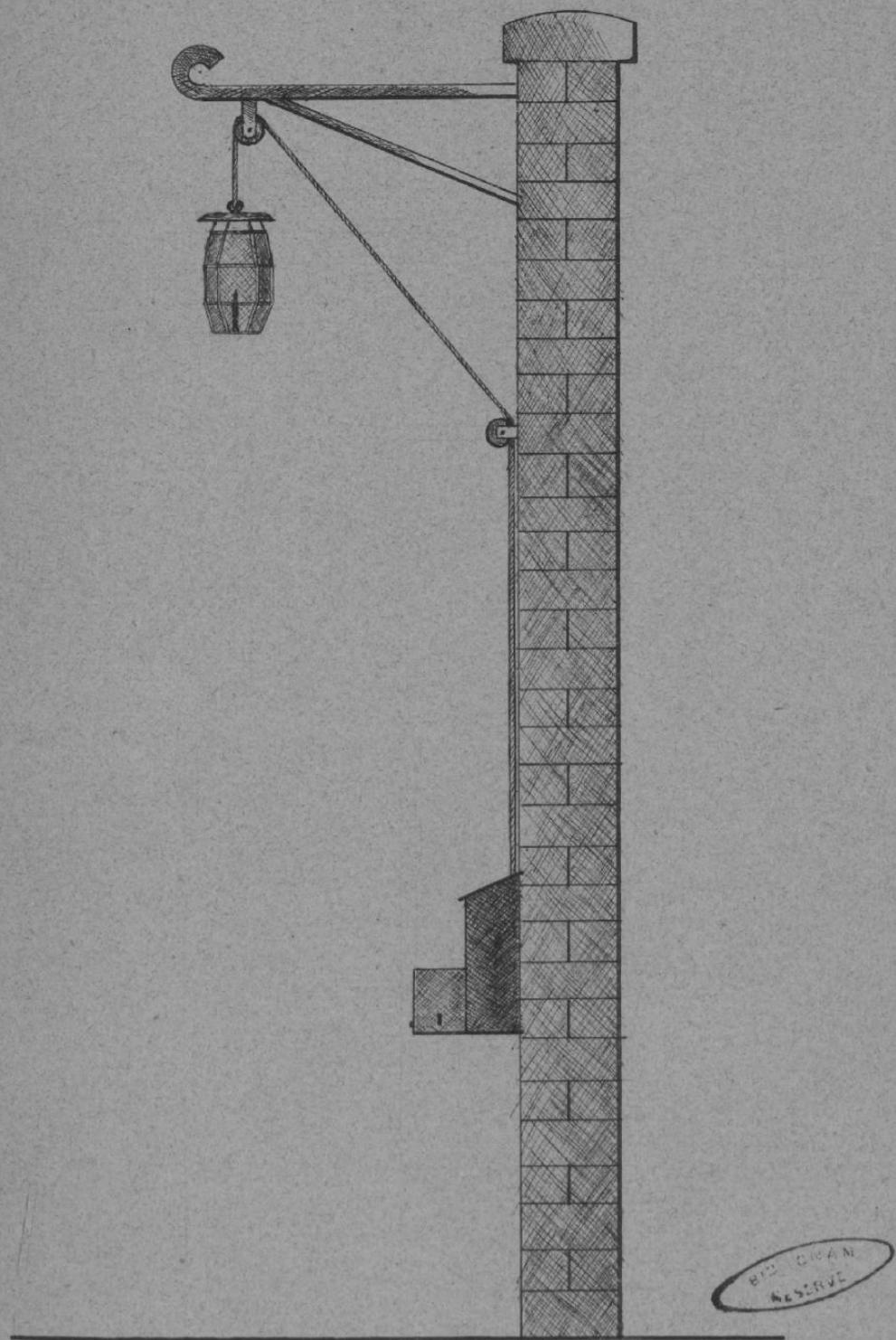
Lanterne à Chandelle

du XVII^e Siècle

(Eclairage public de Paris)

Droits réservés au Cnam et à ses partenaires

Fig I7



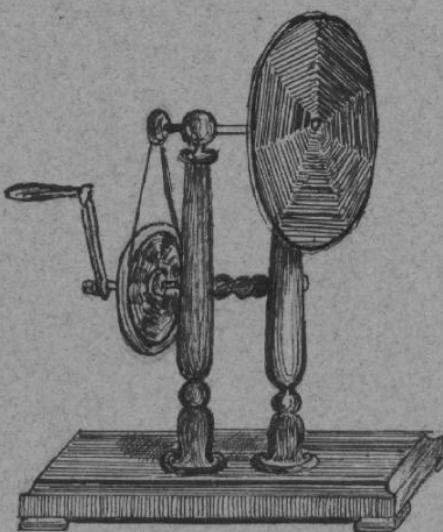
Lanterne à Chandelle

du XVII^e Siècle

(Eclairage public de Paris)

Droits réservés au Cnam et à ses partenaires

Fig I8



Ch. Pellecher.

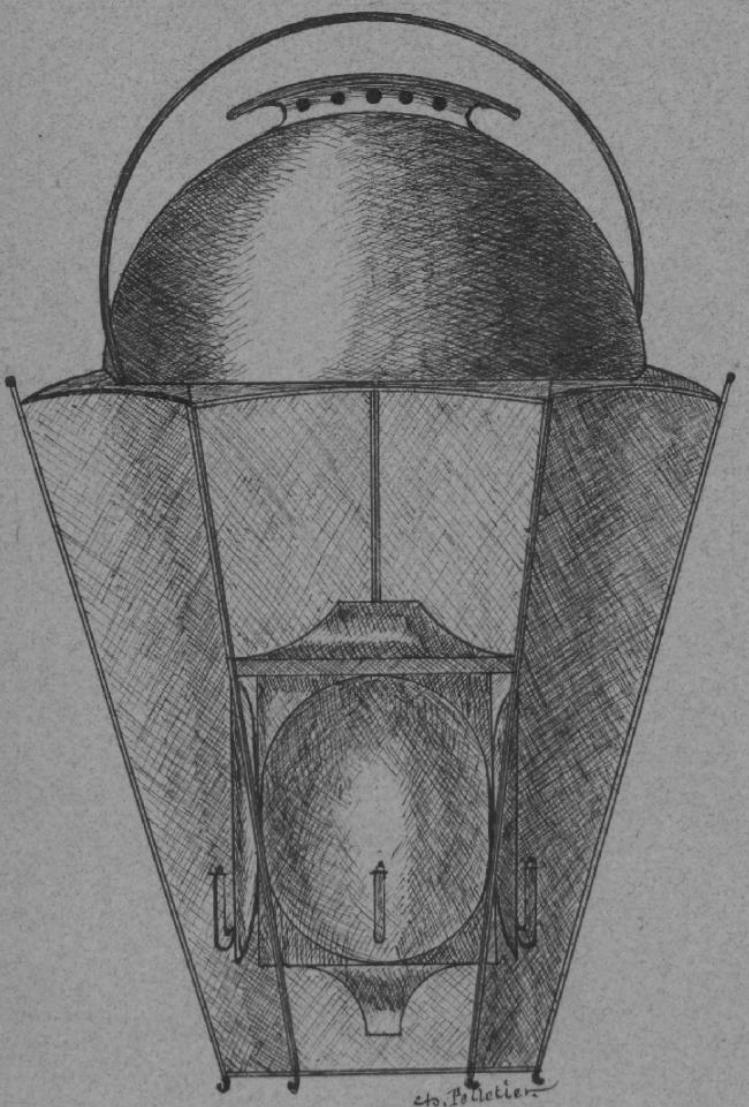


DISQUE DE NEWTON

1666

Fig. I9

ECLAIRAGE A L'HUILE



cto. Pelleter.

BIG. CNAM
RESERVE

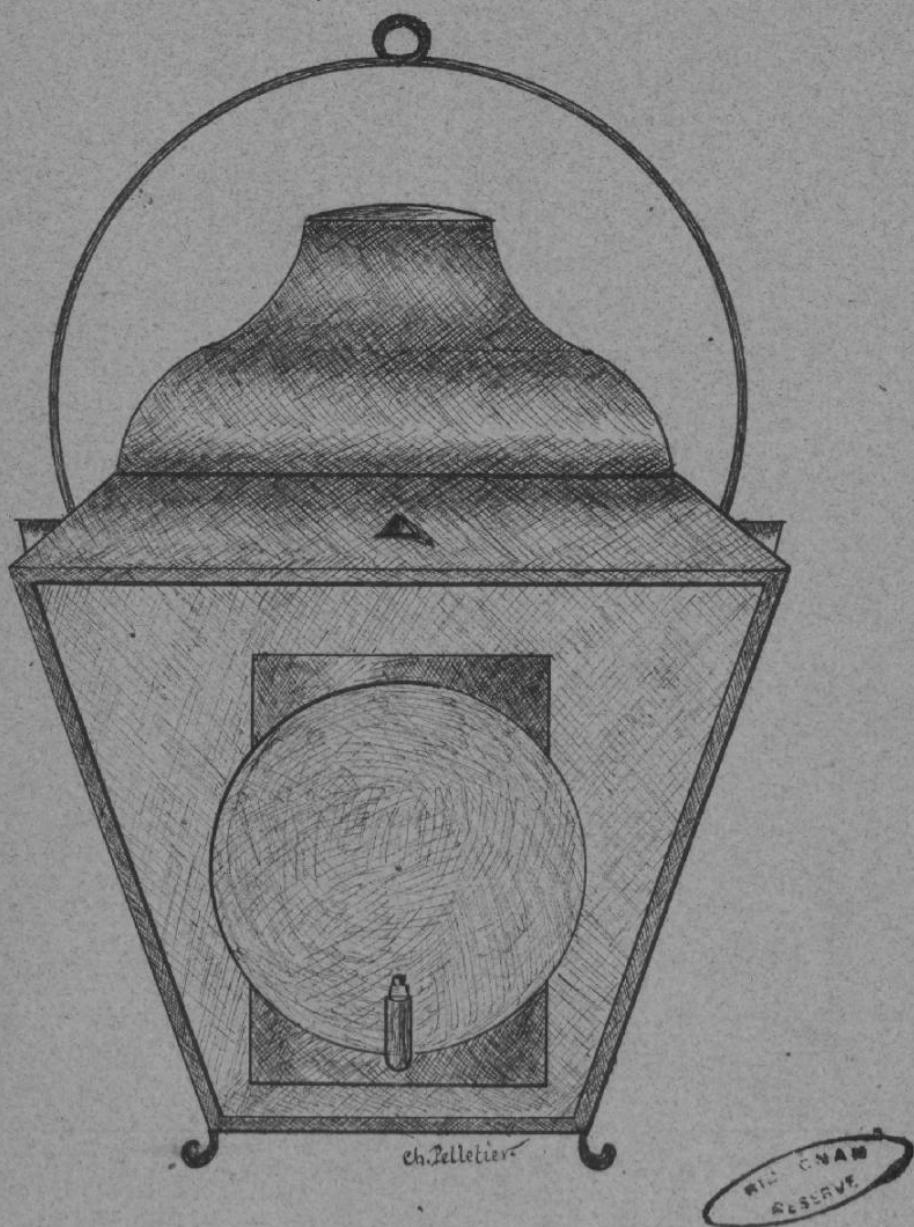
Lanterne à Réverbères

1769

(Eclairage public de Paris)

Fig. 20

ECLAIRAGE A L'HUILE



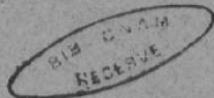
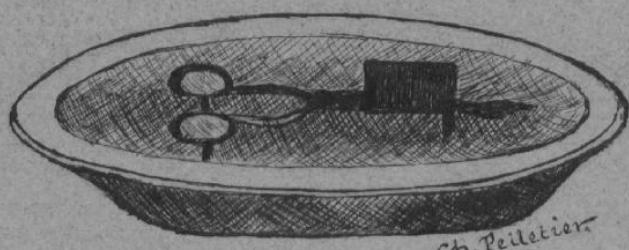
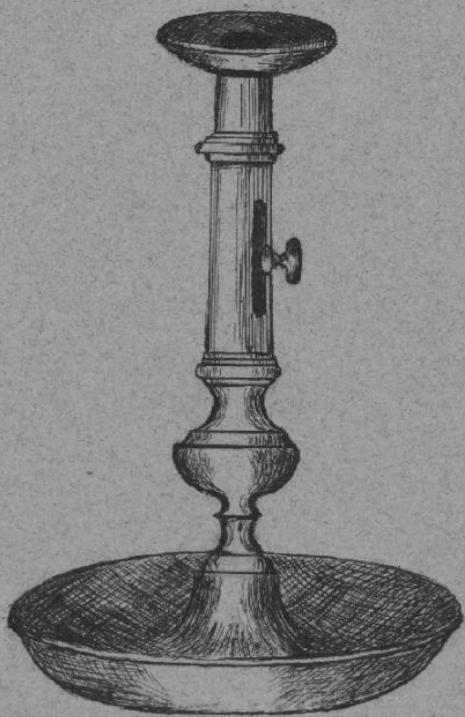
Lanterne à Réverbères

1769

(Eclairage public de Paris)

Droits réservés au Cnam et à ses partenaires

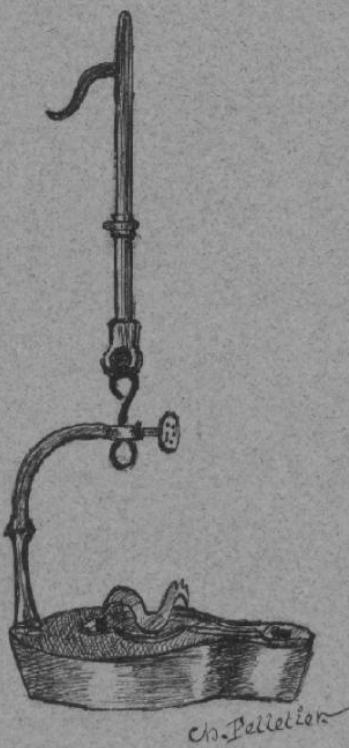
Fig. 2I



CHANDELIER
avec ses accessoires

Fig. 22

ÉCLAIRAGE A L'HUILE



Ch. Peltier

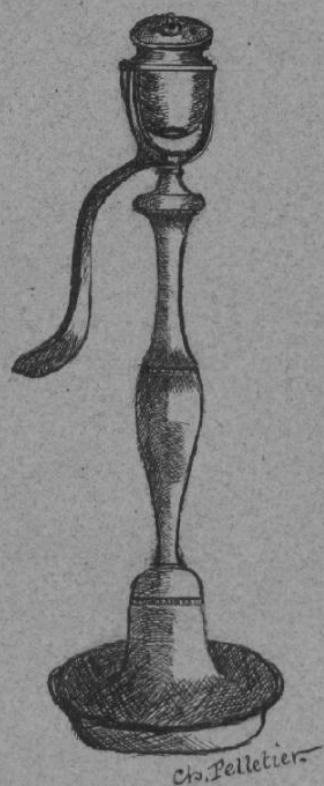


Lampe ancienne

à mèche filée

Fig. 23

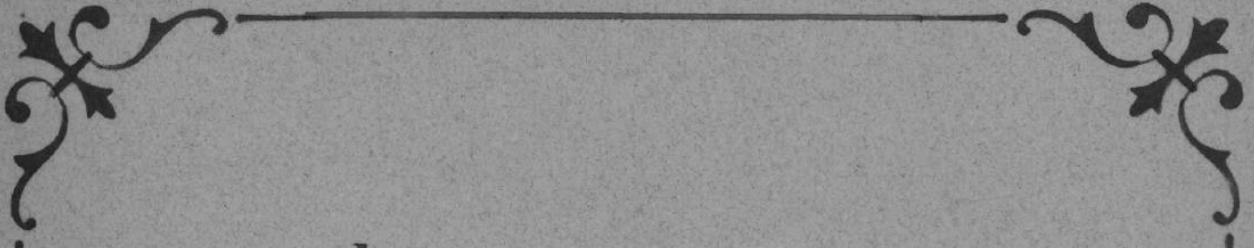
ECLAIRAGE A L'HUILE



Ch. Pelletier.



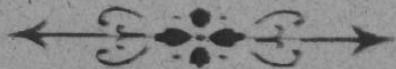
Lampe à bascule
avec mèche plate



L'ECLAIRAGE

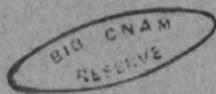
A TRAVERS LES SIECLES

Par Gustave Germinet



ATLAS

III



ECLAIRAGE MODERNE

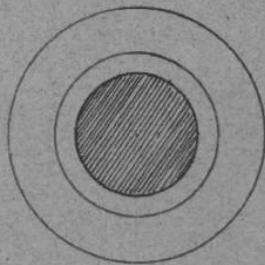
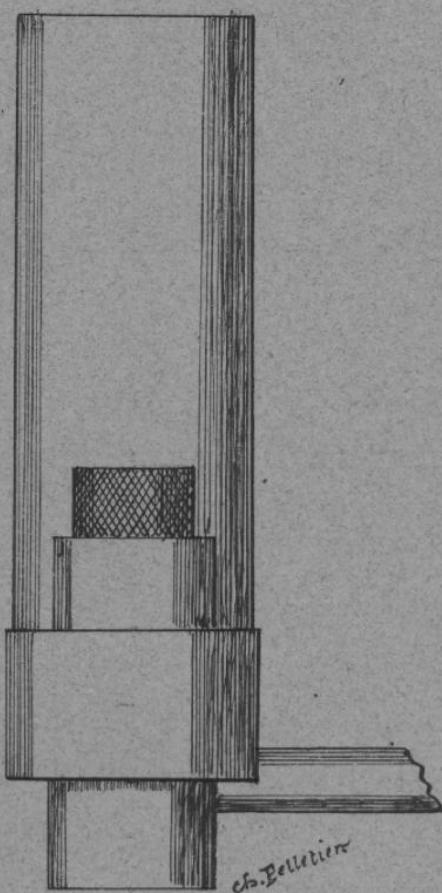


Dessins de Charles Pelletier



Fig. I

ECLAIRAGE A L'HUILE



PLAN DU BEC

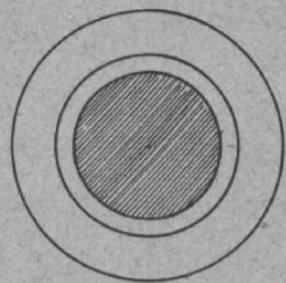
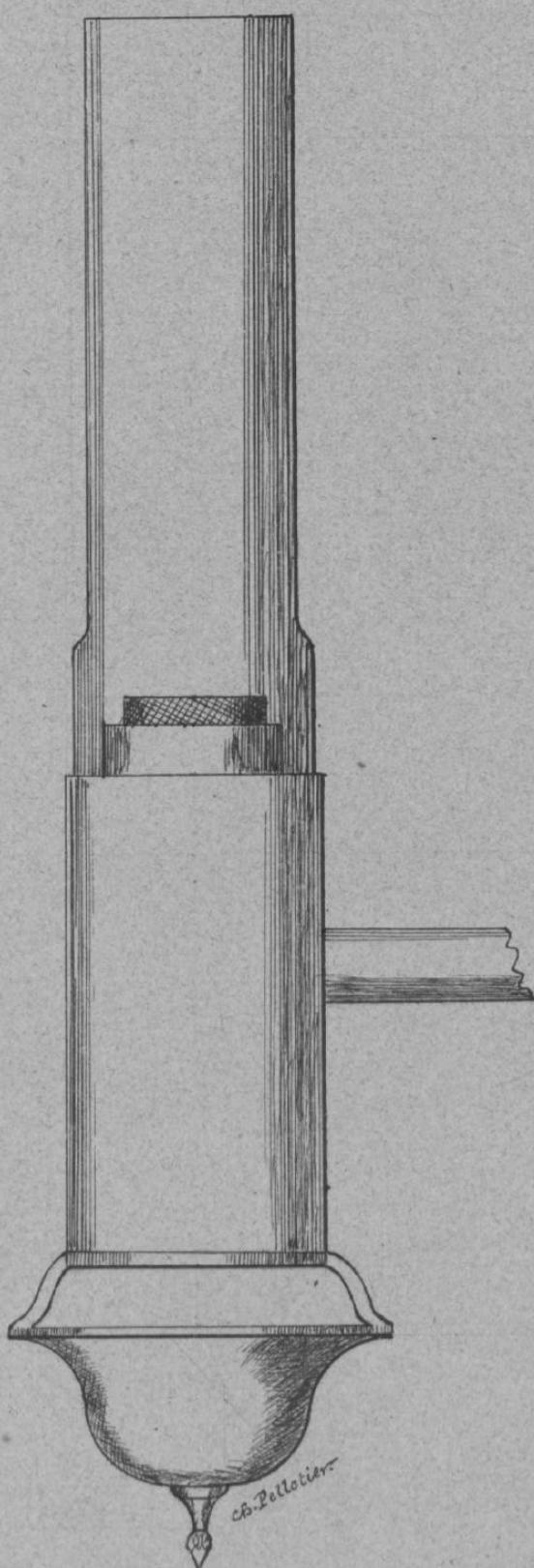
BEC ARGAND

1783



ECLAIRAGE A L'HUILE

Fig. 2

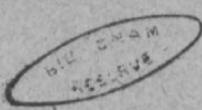
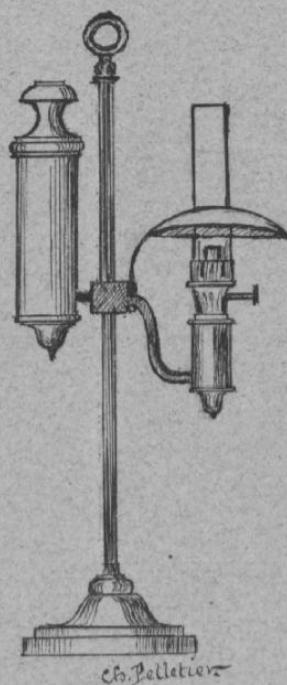


PLAN DU BEC



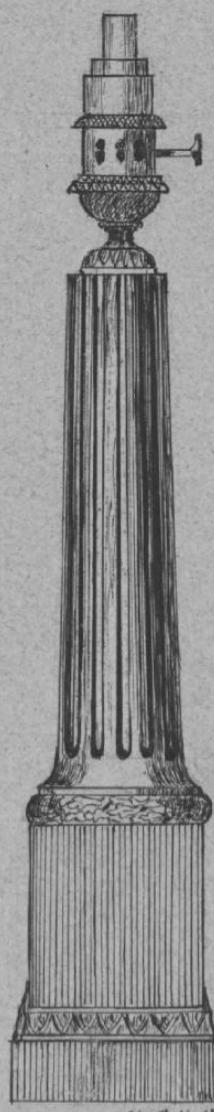
BEC A CHEMINÉE COUDEE
DE LANGE

Fig. 3



LAMPE À TRINGLE À L'HUILE

Fig. 4
ÉCLAIRAGE A L'HUILE

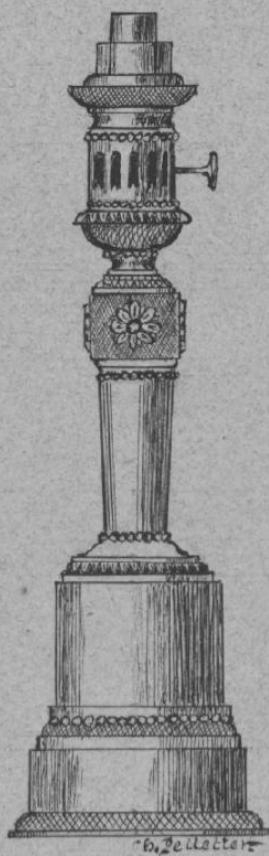


Ob. Pelleter.



LAMPE CARCEL

Fig. 5
ÉCLAIRAGE À L'HUILE



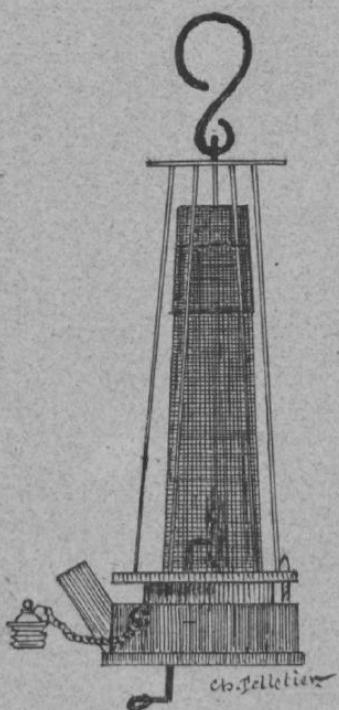
B. DELATTRE



LAMPE CARCEL

Fig. 6

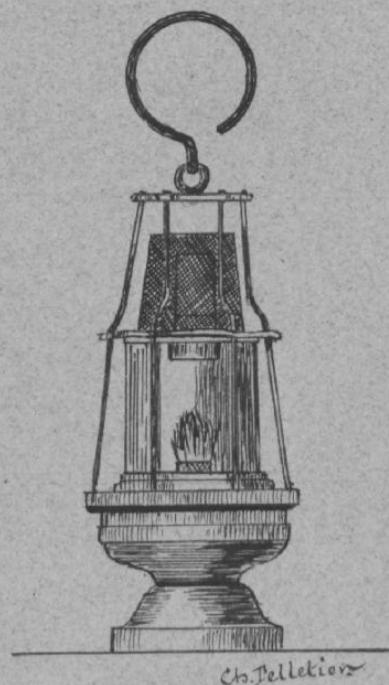
ECLAIRAGE A L'HUILE



LAMPÉ DAVY
pour les mineurs(type primitif)

Fig. 7

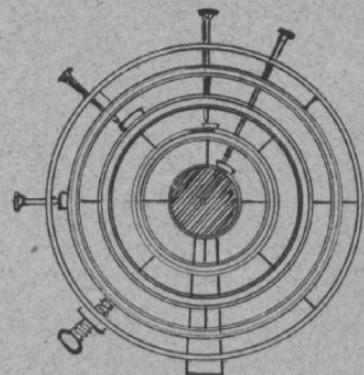
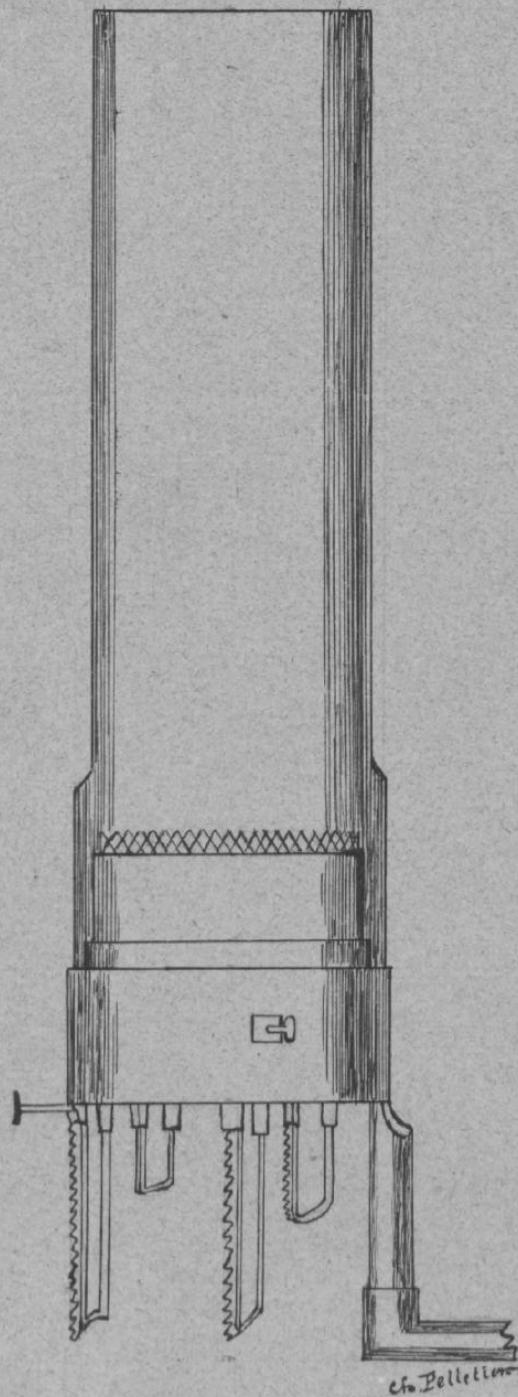
ÉCLAIRAGE À L'HUILE



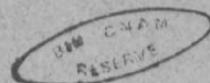
LAMPE DES MINEURS
(nouveau modèle)

Fig. 8

ECLAIRAGE A L'HUILE



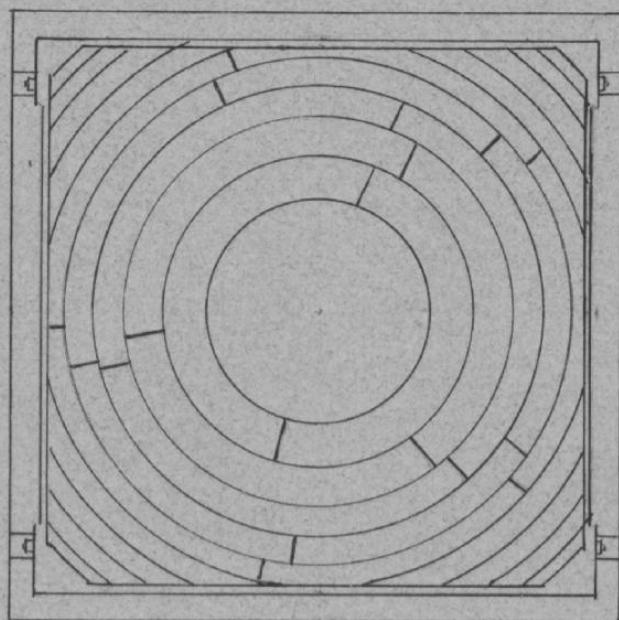
PLAN DU BEC



BEC À 4 MÈCHES

de Fresnel

Fig. 9

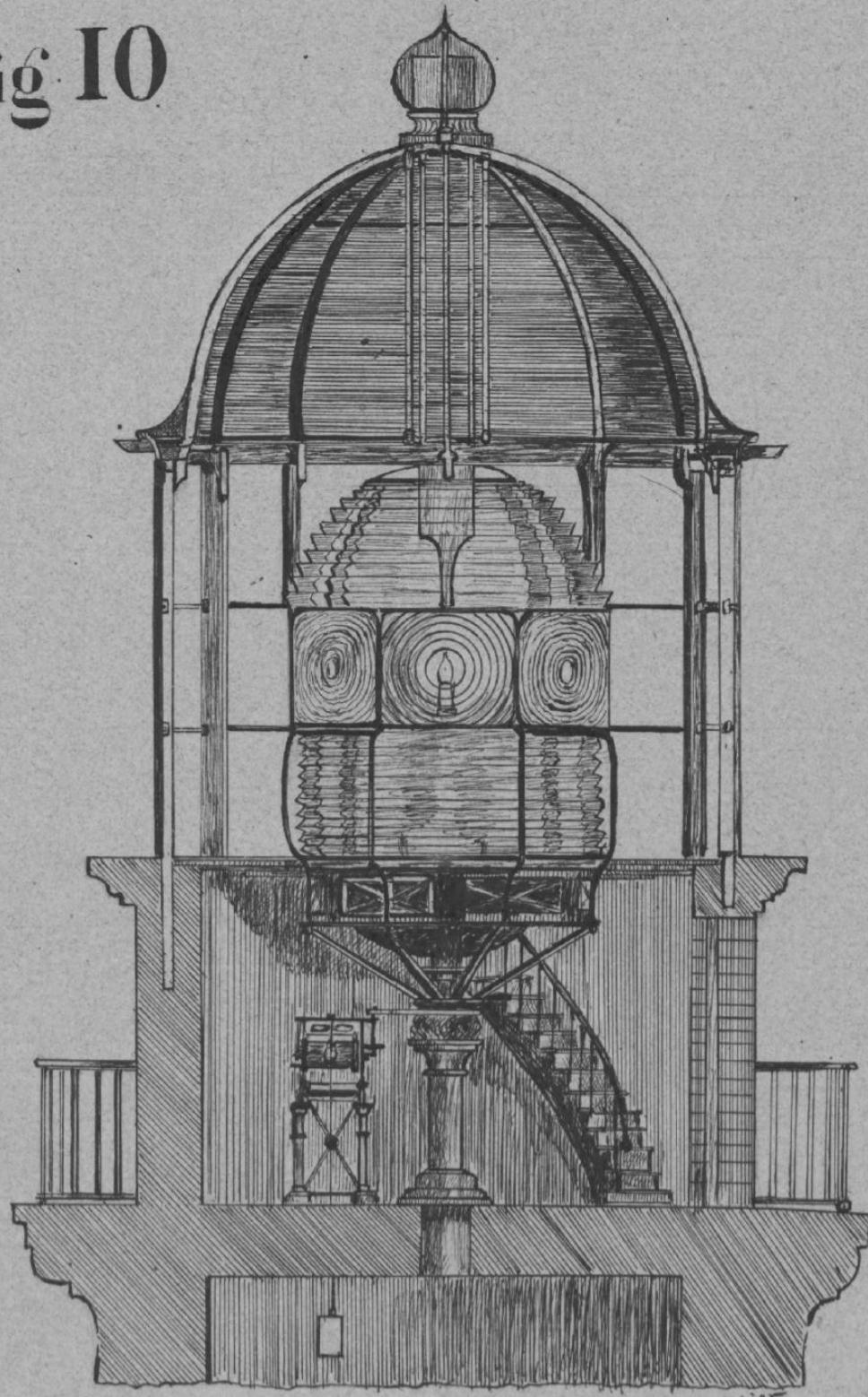


1870 A.M.
negative

LENTEILLE À ÉCHELONS DE FRESNEL

ECLAIRAGE A L'HUILE

Fig 10



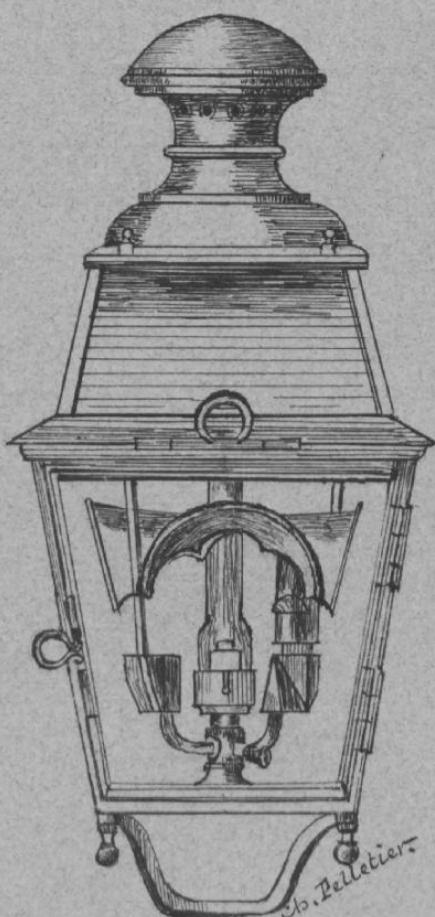
cf. Pelleter.

BAL CNA
RESERVE

PHARE MARITIME
LENTICULAIRE

Fig. II

ECLAIRAGE A L'HUILE



LANTERNE DE VILLE
avec Lampe Argand
et réflecteurs

Fig. I2



VEILLEUSE À L'HUILE

Fig. I3

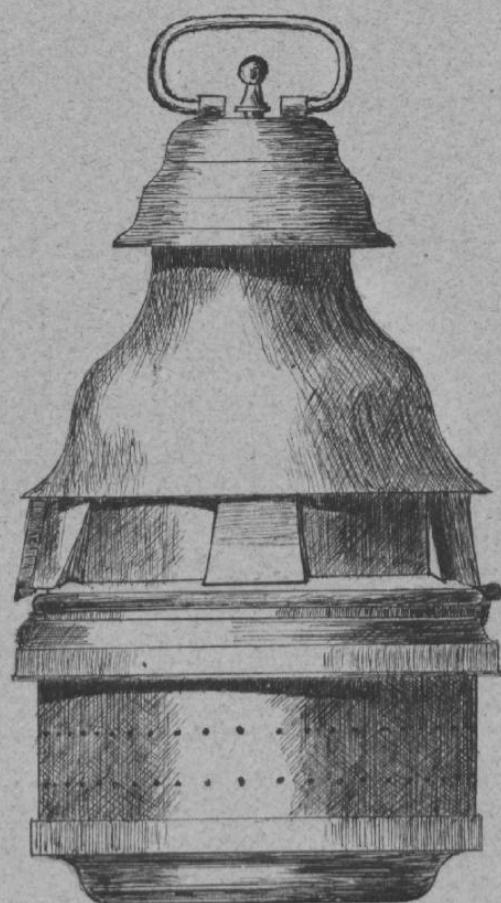


et. Bellier



LAMPE MODÉRATEUR A L'HUILE

Fig. I4
ÉCLAIRAGE A L'HUILE



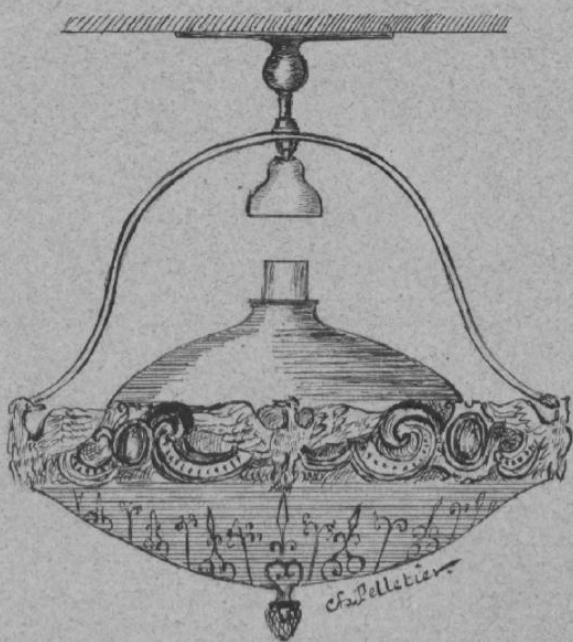
é. Delbetier



LANTERNE
pour wagon de chemins de fer

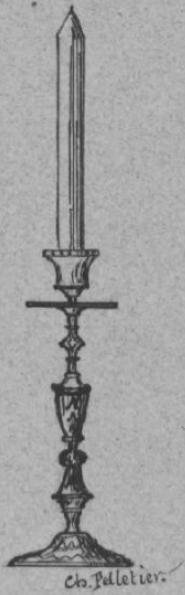
Fig. I5

ECLAIRAGE A L'HUILE



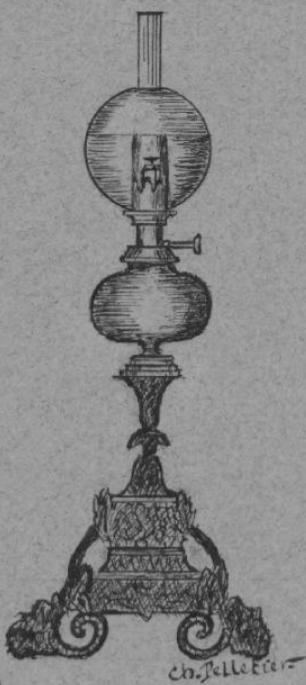
LAMPE MARINE
pour salle à manger

Fig. I6



FLAMBEAU A BOUGIE

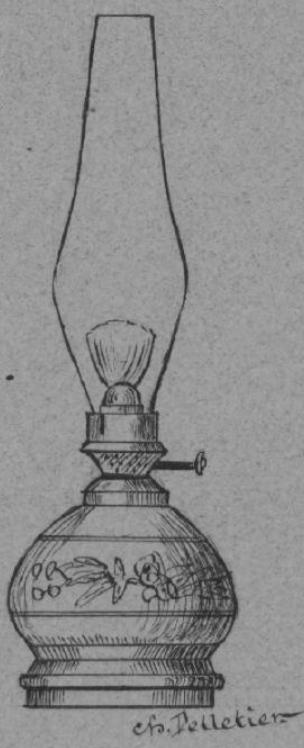
Fig. I7



LAMPE AU SCHISTE

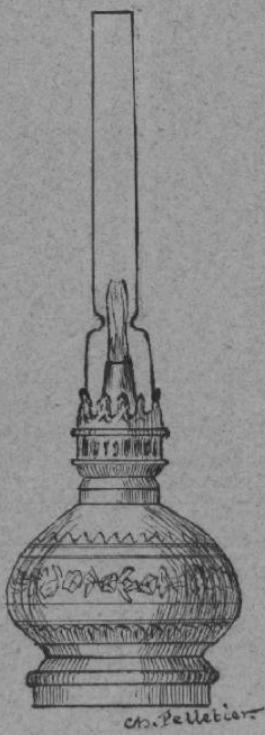


Fig. I8



LAMPE AU PÉTROLE
À MÈCHE PLATE

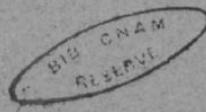
Fig. I9



LAMPE AU PÉTROLE
À MÈCHE CIRCULAIRE

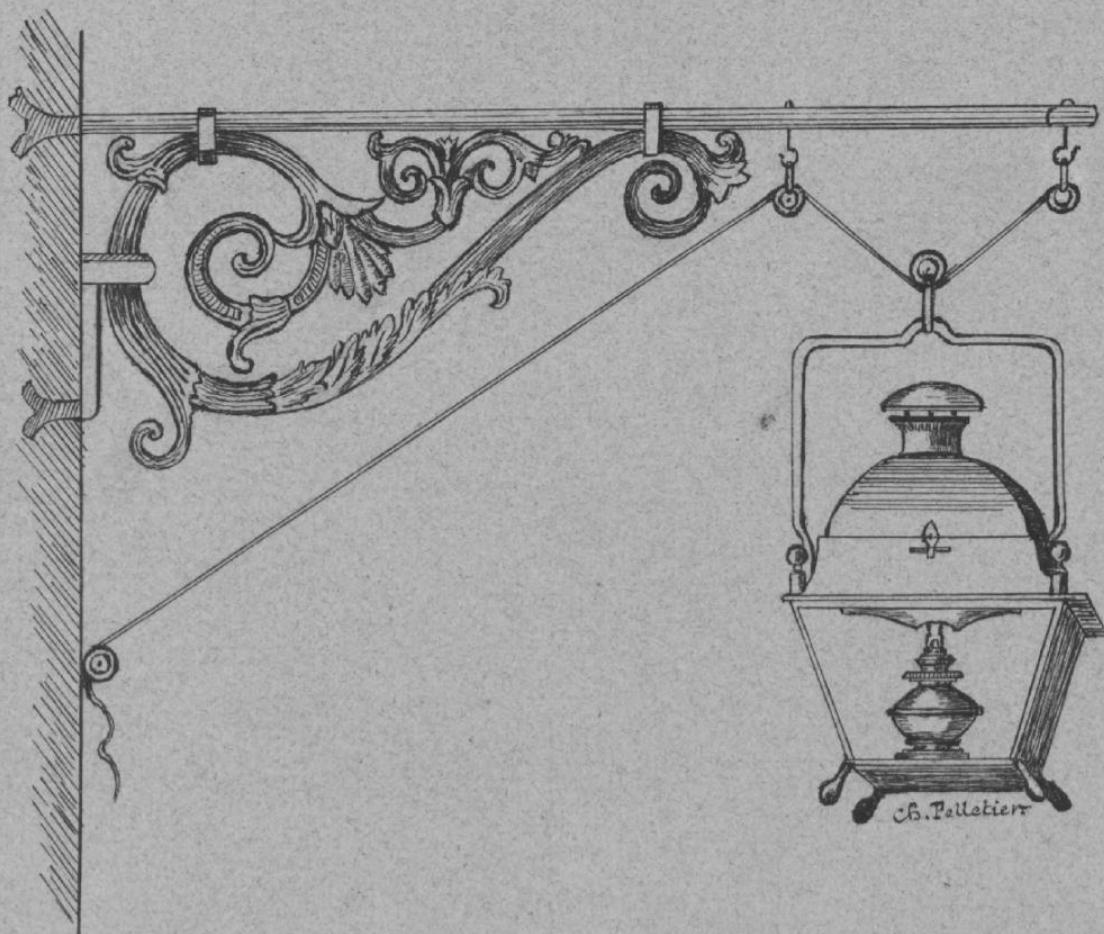
Droits réservés au Cnam et à ses partenaires

Fig. 20



LAMPE À DISQUE AU PÉTROLE

Fig. 2I

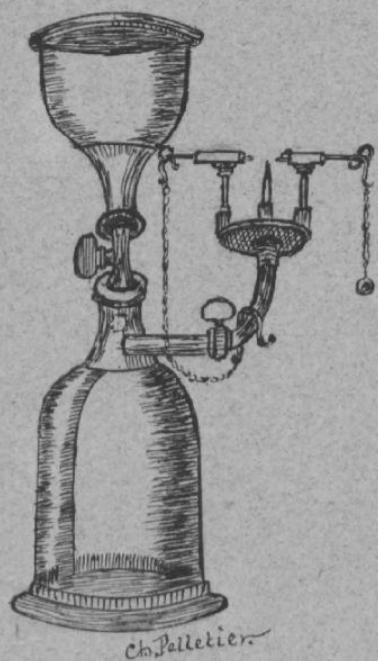


LANTERNE DE VILLE
A PÉTROLE

avec sa console



Fig. 22

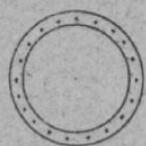
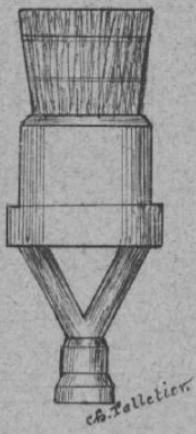


LAMPE A HYDROGÈNE
de Fürstenberger

1780

ECLAIRAGE A L'HYDROGÉNE

Fig. 23

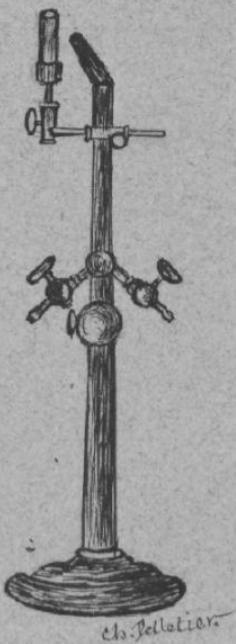


PLAN DU BRÛLEUR



BEC A MÈCHE EN PLATINE
pour gaz à l'eau

Fig. 24



Illustration



LAMPE DE DRUMMOND

ECLAIRAGE AU GAZ

Fig. 25



BEC A EPERONS DE COQ

dit **fleur de lis**

1802

ECLAIRAGE AU GAZ

1816



Bec bougie Bec à éperons
de coq, 3 jets de coq, 5 jets

Fig. 26

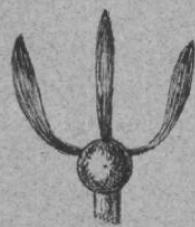


Fig. 27

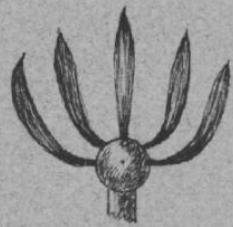


Fig. 28



Bec conique

à trois jets

Fig. 29

Statuette avec brûleur

à jets verticaux

Fig. 30



Bec éventail à trous

en arc de cercle

Fig. 31



BIB CNAME
RESERVE

ECLAIRAGE AU GAZ

Fig. 32



Bec bougie

1 Jet

Fig. 33



Bec bougie

3 Jets

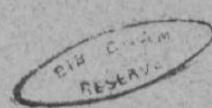
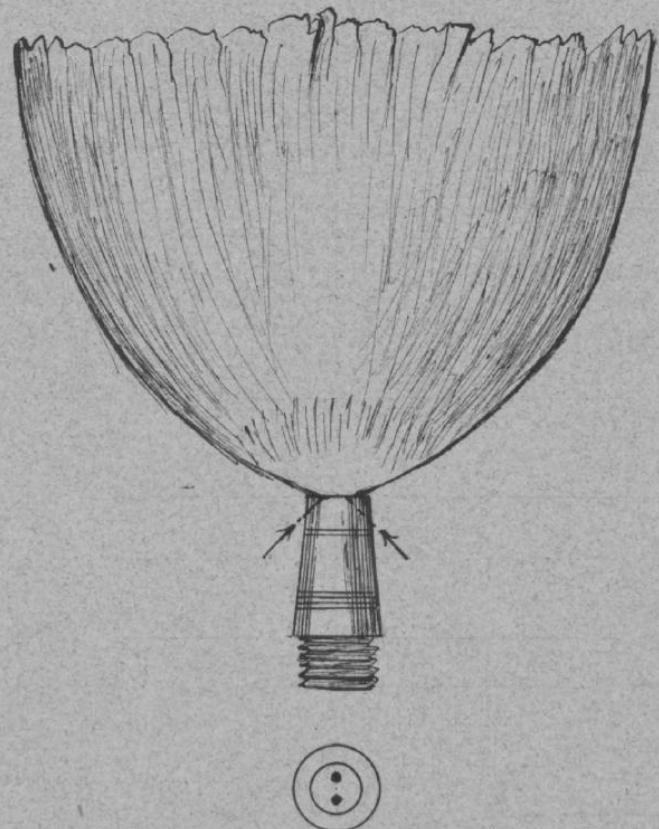
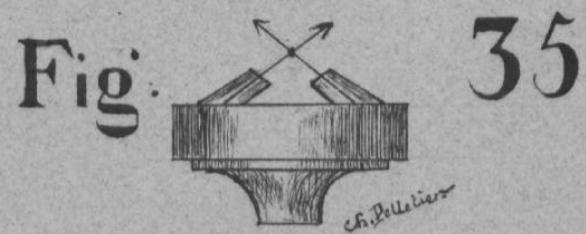


Fig. 34
ECLAIRAGE AU GAZ



BEC MANCHESTER

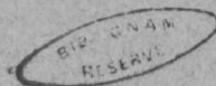
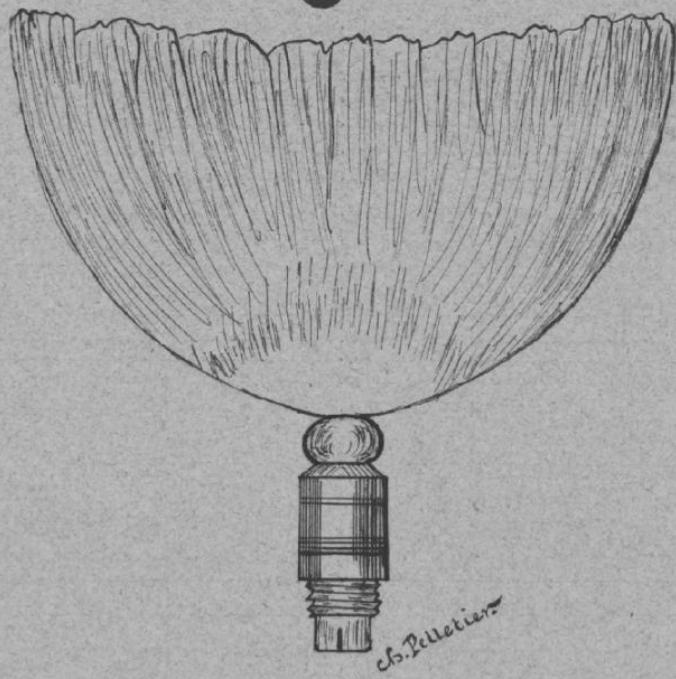


Becs inclinés à un jet
produisant la flamme du bec Manchester



ECLAIRAGE AU GAZ

Fig.36

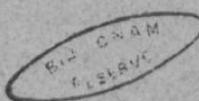
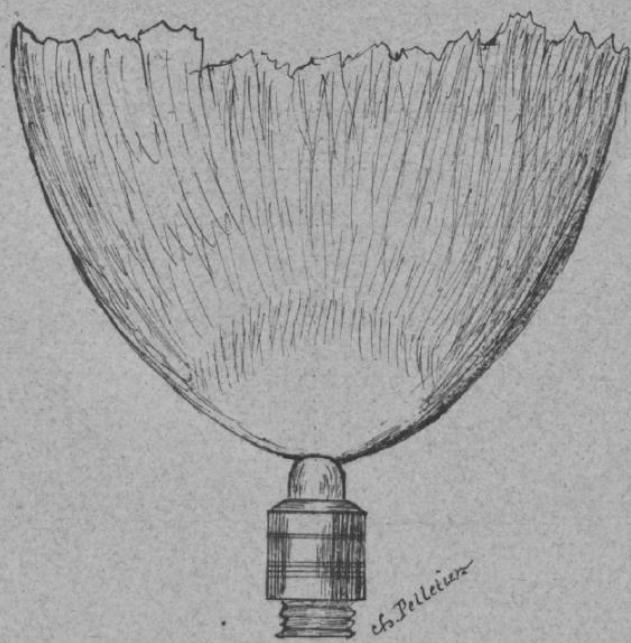


BEC PAPILLON

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 37



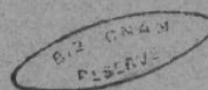
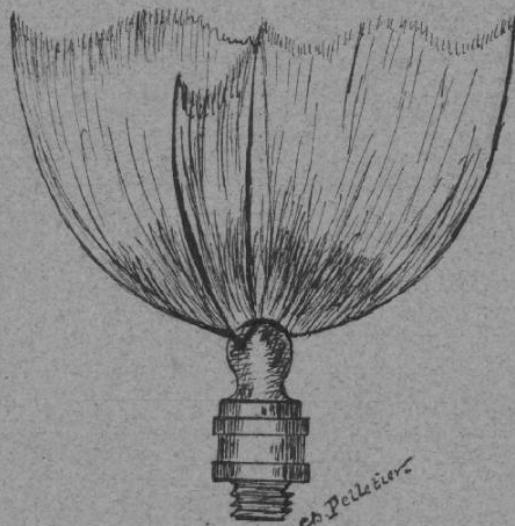
BEC A MODÉRATEUR

ARSON

1852

ECLAIRAGE AU GAZ

Fig. 38



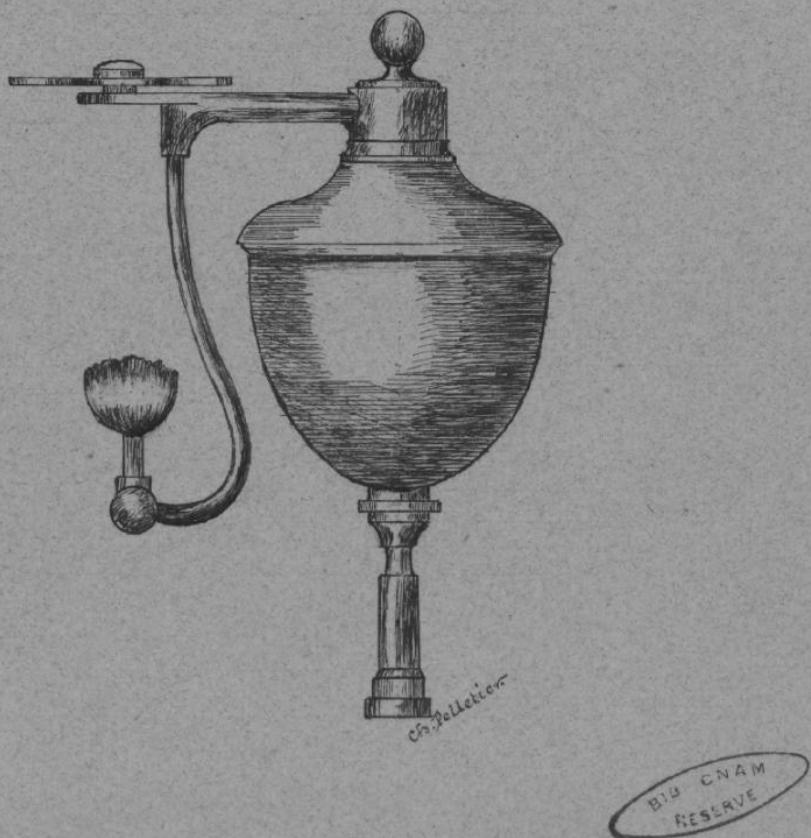
BEC A FLAMMES

RADIALES

DANISCHEVSKI

ÉCLAIRAGE AU GAZ

Fig. 39



CARBURATEUR

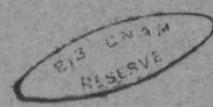
à la naphtaline

ECLAIRAGE AU GAZ

Fig. 40



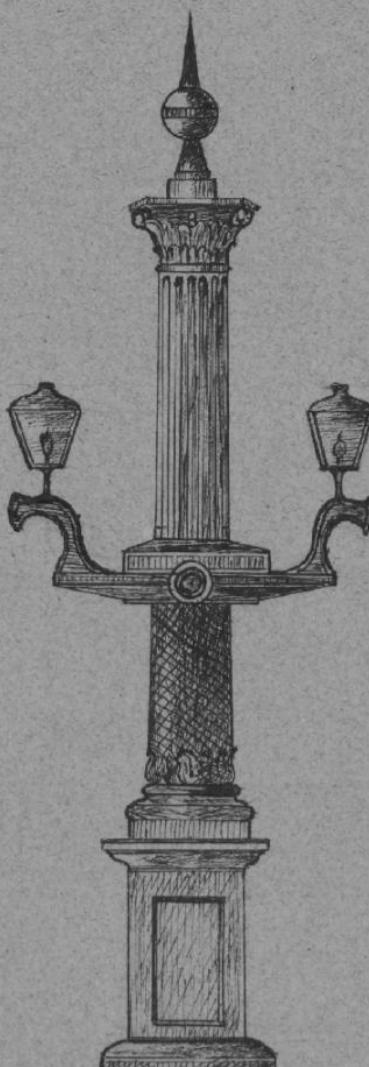
CH. PELLETIER



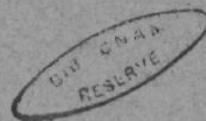
Petit candélabre
de la place de la Concorde
1839

ECLAIRAGE AU GAZ

Fig. 41

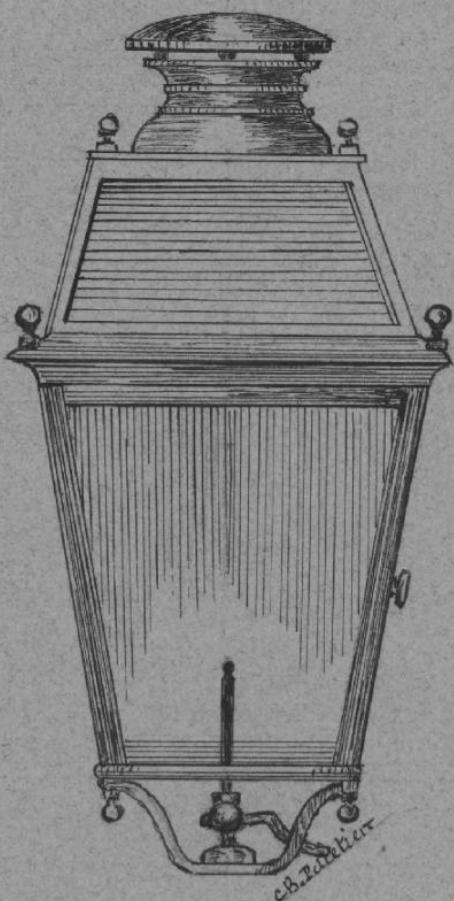


Ch. Belletière



GRAND CANDELABRE
de la place de la Concorde
1839

Fig. 42

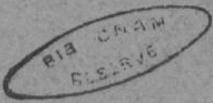
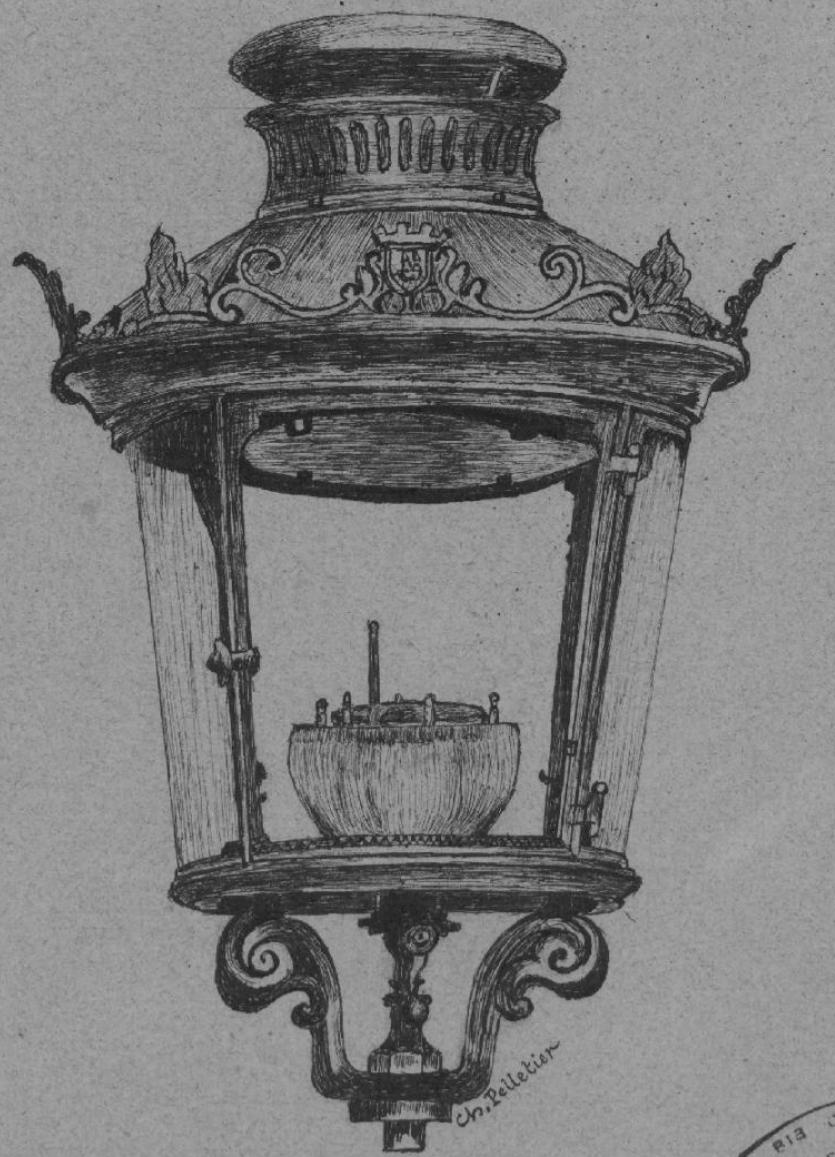


LANTERNE CARRÉE À GAZ

—Modèle de Ville—

ECLAIRAGE AU GAZ

Fig. 43



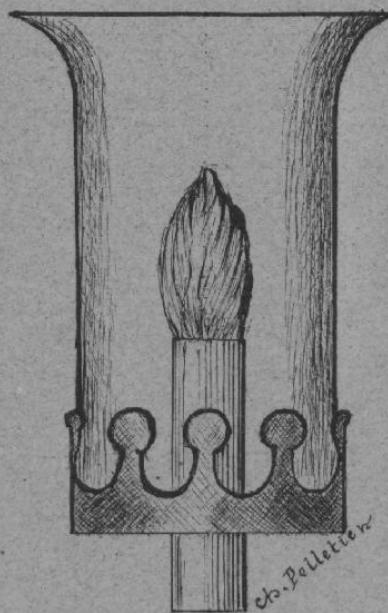
LANTERNE
à foyer intensif
de la Ville de Paris

—Modèle de la C^{ie} P^{me} du gaz—

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 44



BEC
à cheminée évasée

1816



Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

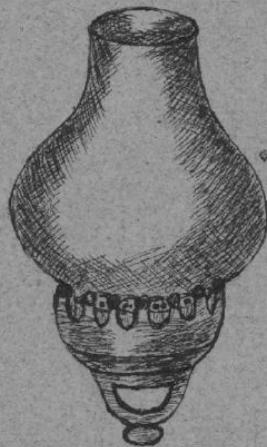


Fig. 45

BECS ARGAND

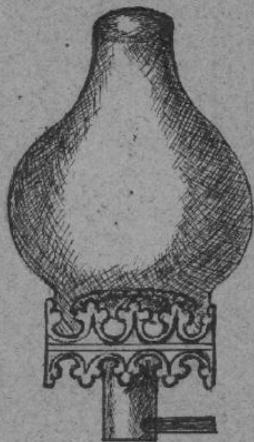
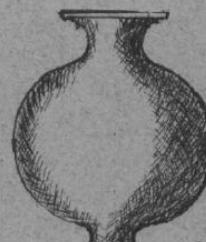


Fig. 46

droit et coudé au gaz

1816



un Peltier.

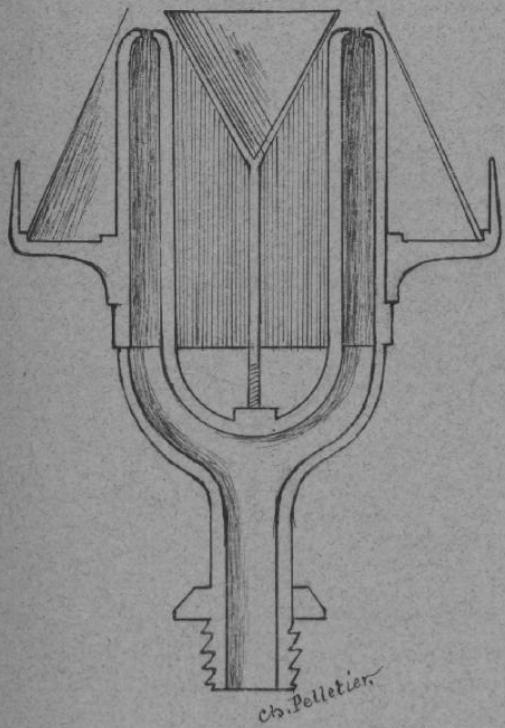
Fig. 47

Cheminées s'adaptant
aux becs ci-dessus

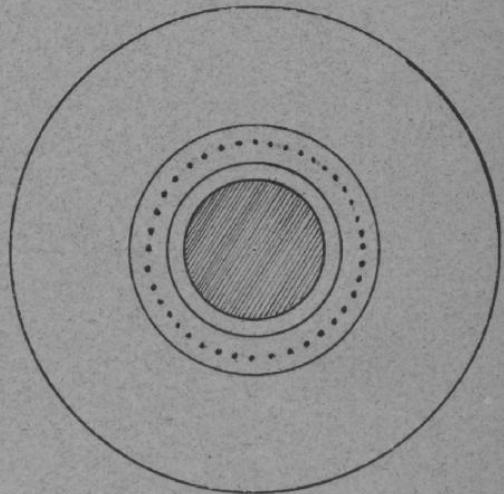


ECLAIRAGE AU GAZ

Fig. 48



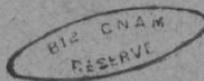
BEC CLEGG
à double cône
1820



PLAN DU BRÛLEUR

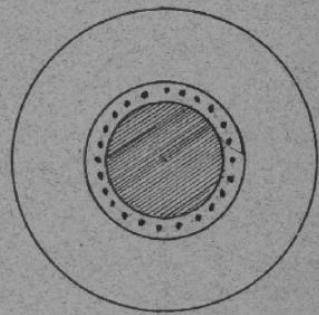
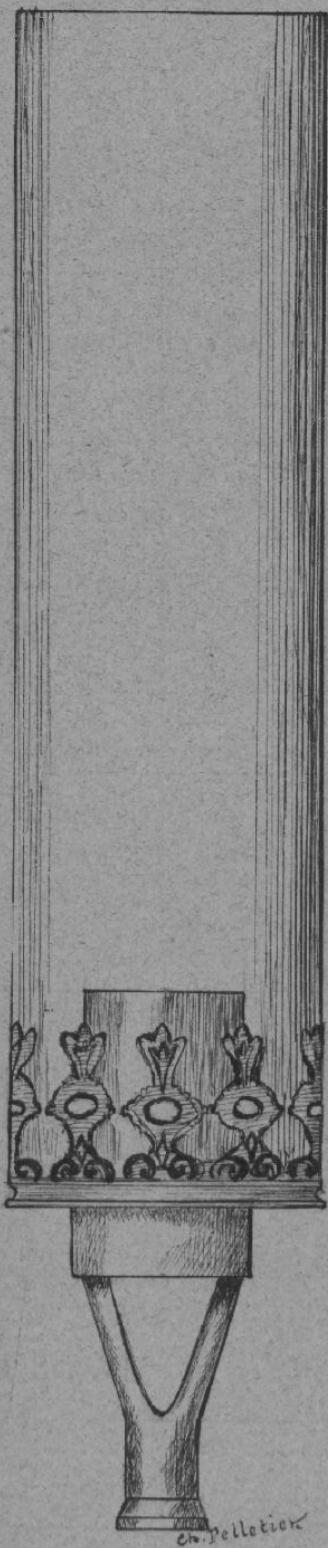
AVEC

SON PORTE-VERRE



ECLAIRAGE AU GAZ

Fig. 49



PLAN DU BRÛLEUR

AVEC

SON PORTE-VERRE



CÔNE



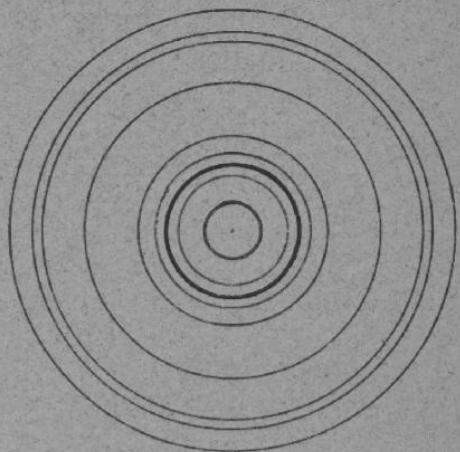
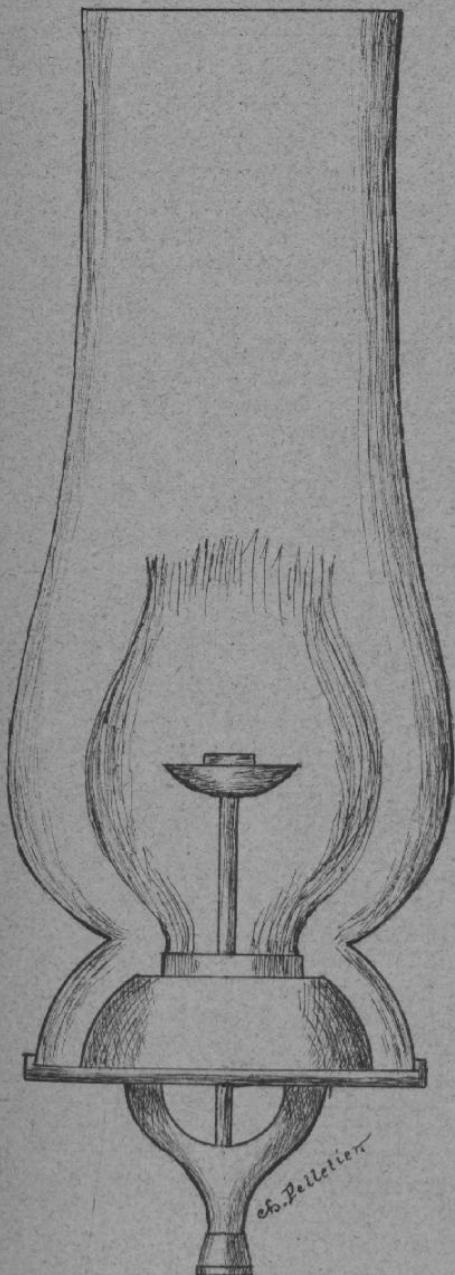
BEC ARGAND

a galerie

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 50



PLAN DU BRÛLEUR

AVEC

SON PORTE-VERRE



BEC A FENTE CIRCULAIRE

et disque de Dean

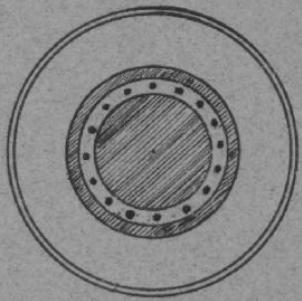
1845

Droits réservés au Cnam et à ses partenaires

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 51



PLAN DU BRÛLEUR
AVEC
SON PORTE - VERRE

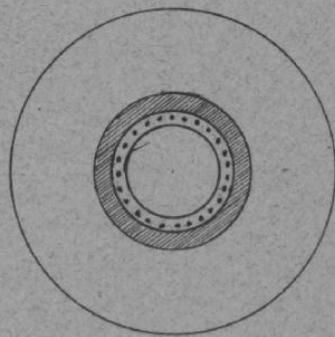
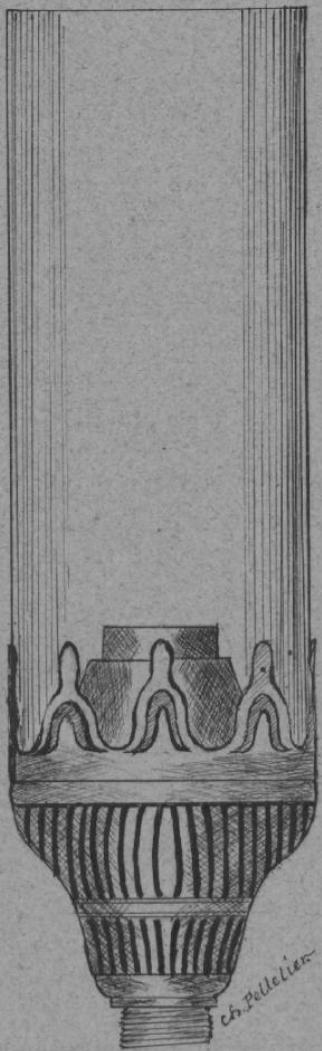


BEC MACCAUD
1845

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 52



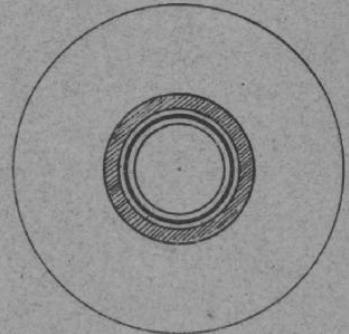
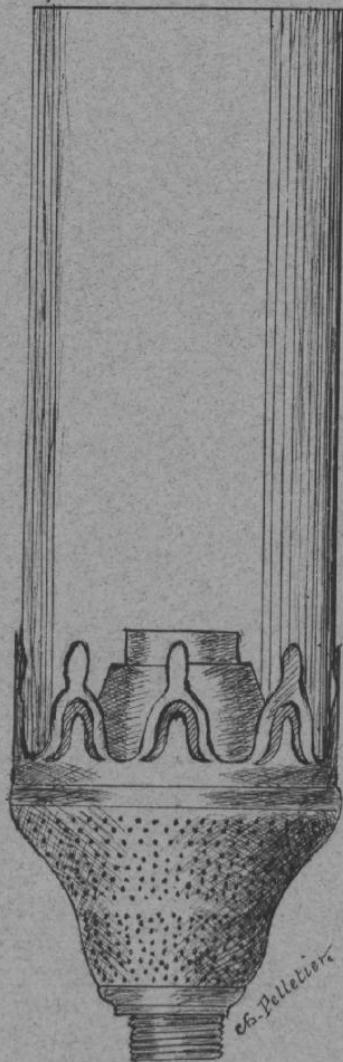
PLAN DU BRÛLEUR
AVEC
SON PORTE-VERRÉ



BEC A JETS
avec panier à fentes

ECLAIRAGE AU GAZ

Fig. 53



PLAN DU BRÛLEUR

AVEC

SON PORTE-VERRE

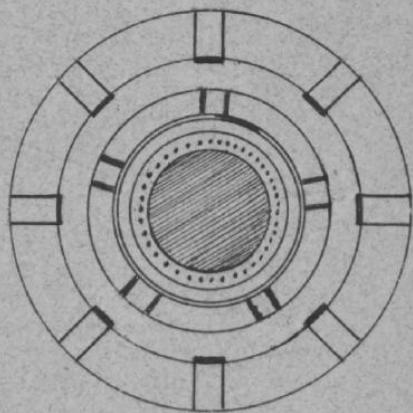
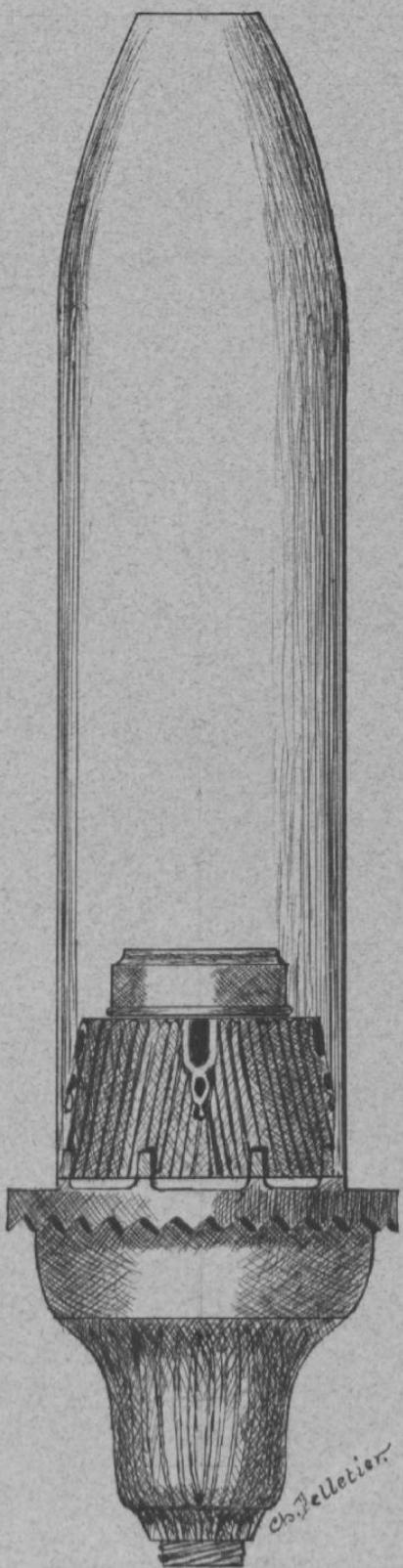
BEC A PANIER CRIBLÉ

brûleur à fente circulaire



ECLAIRAGE AU GAZ

Fig. 54



PLAN DU BRÛLEUR
AVEC
SON PORTE-VERRE

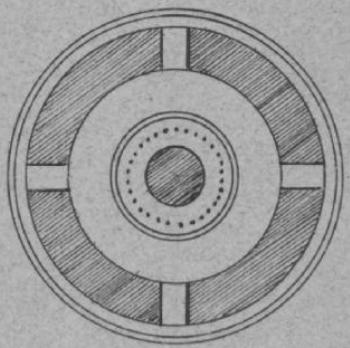
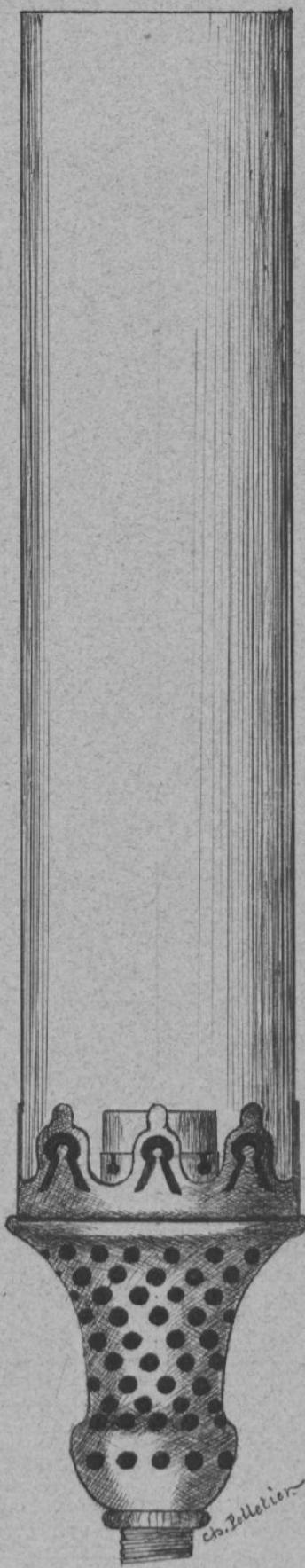


BEC MONIER

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 55



PLAN DU BRÛLEUR

AVEC

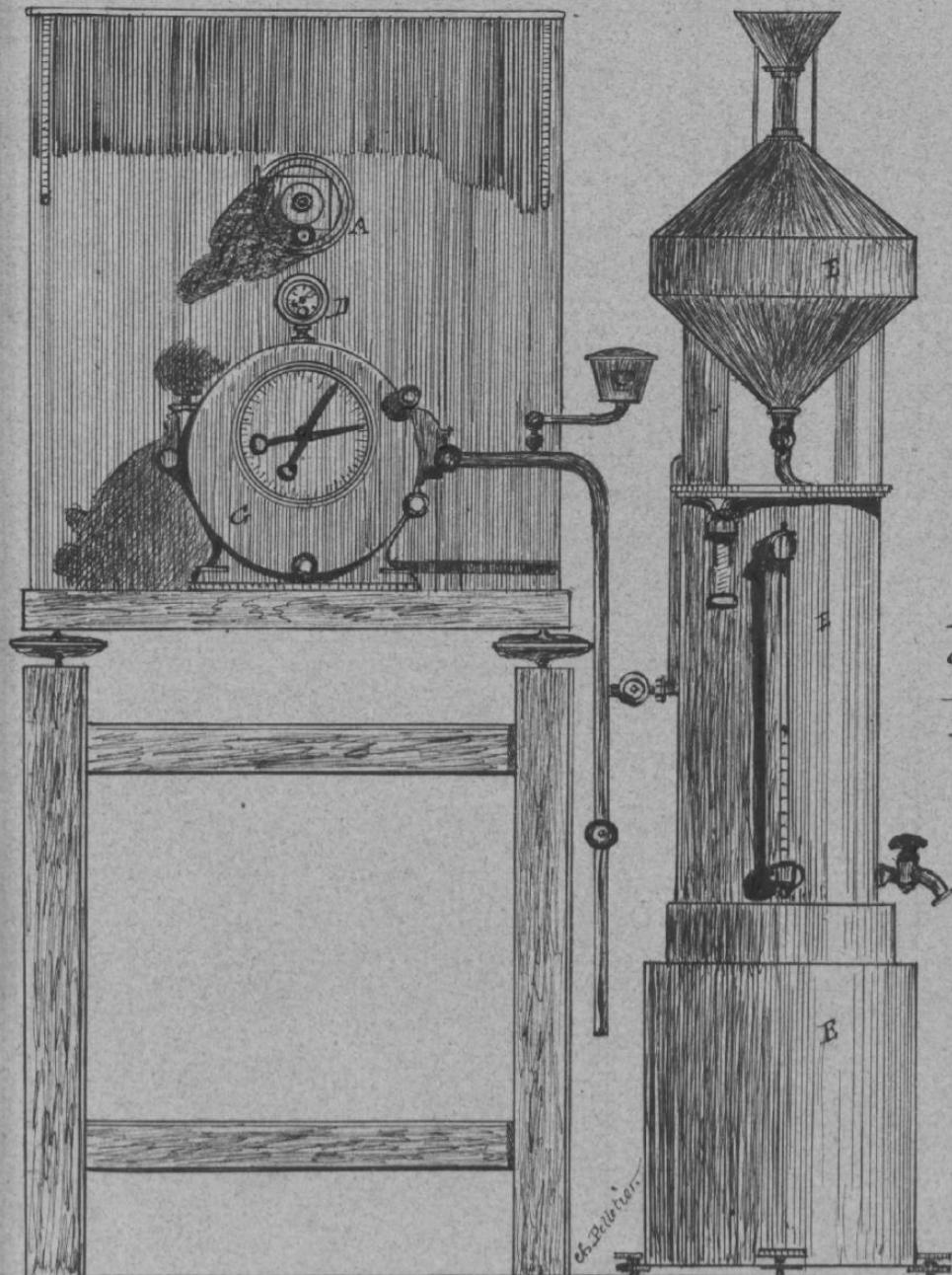
SON PORTE-VERRE



BEC ÉTALON FRANÇAIS
Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 56



CHAMBRE
D'OBSERVATION
(vue de face)

LEGENDE

- A - Lunette
- B - Compteur
- C - Compteur secondes
- D - Gérydore

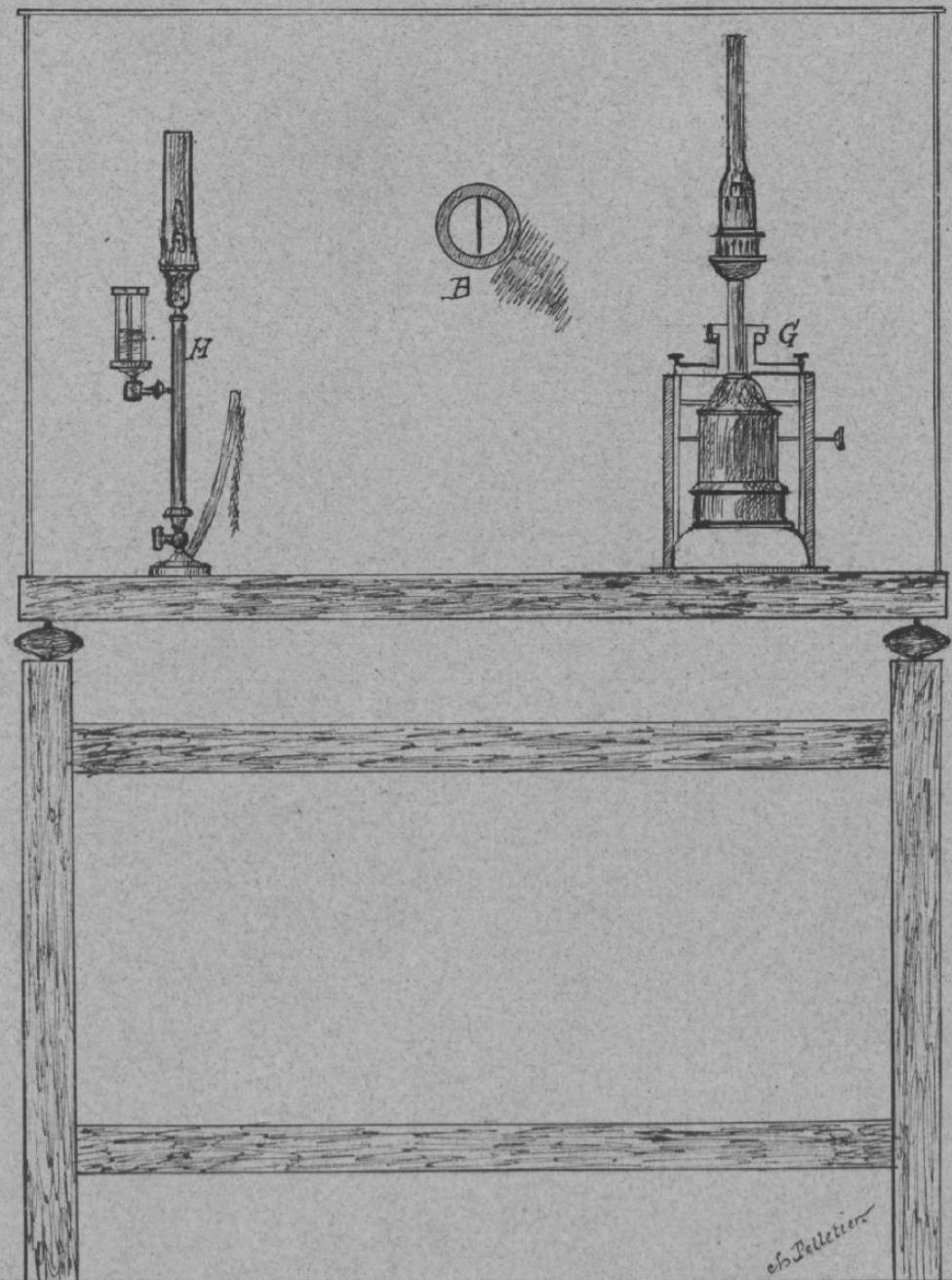
APPAREILS PHOTOMÉTRIQUES

de Dumas et Regnault
pour la vérification du pouvoir éclairant
du gaz de la Compagnie Parisienne.

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 57



LUMIÈRES
EN OBSERVATION
(vues de face)

LEGENDE

- B. - Écran de la Lunette
G. - Lampe Garcet
H. - Béc Bengel avec manomètre

éclairage au gaz

BIB Cnam
MÉTRO

APPAREILS PHOTOMÉTRIQUES

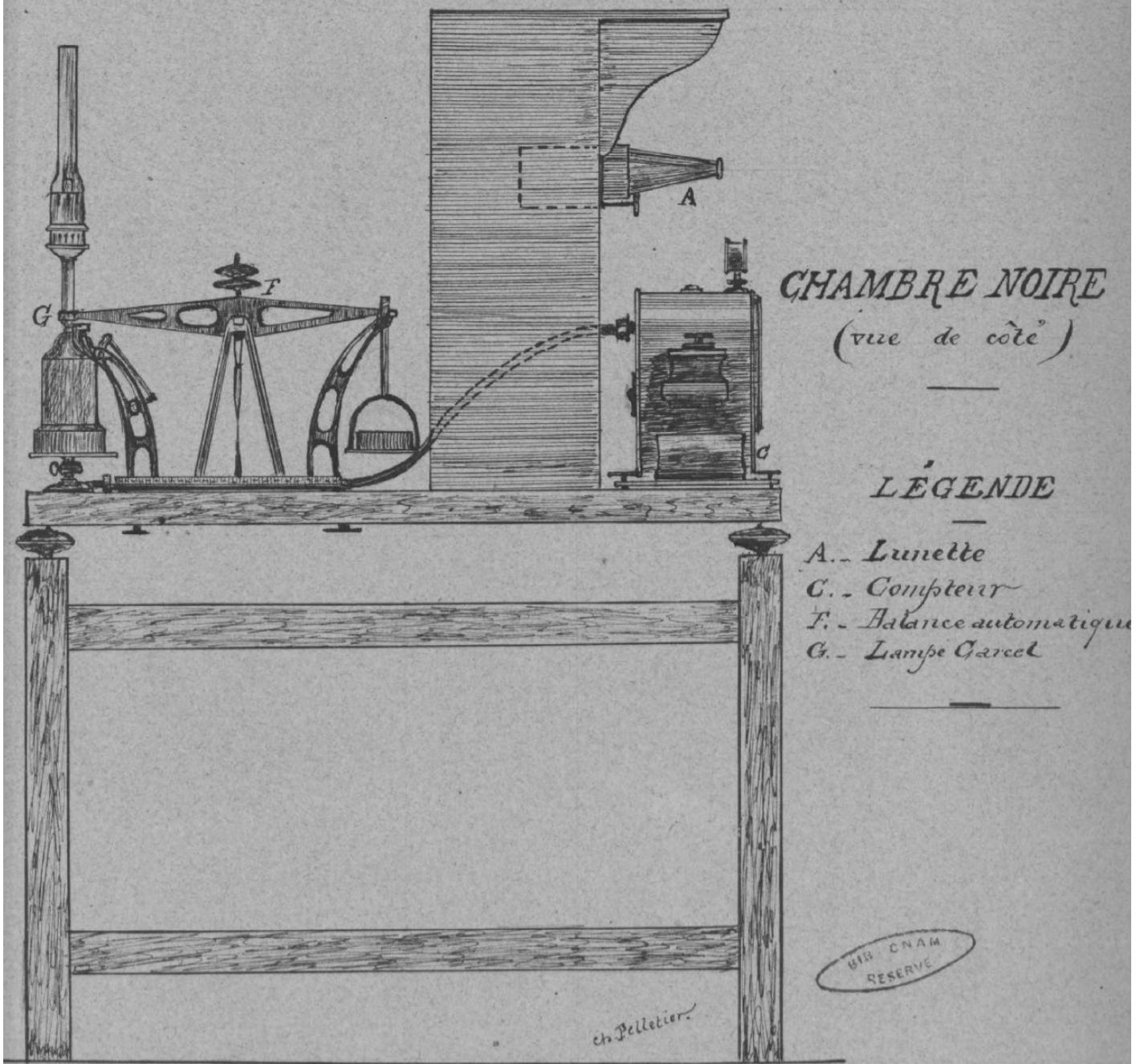
de Dumas et Regnault

pour la vérification du pouvoir éclairant

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

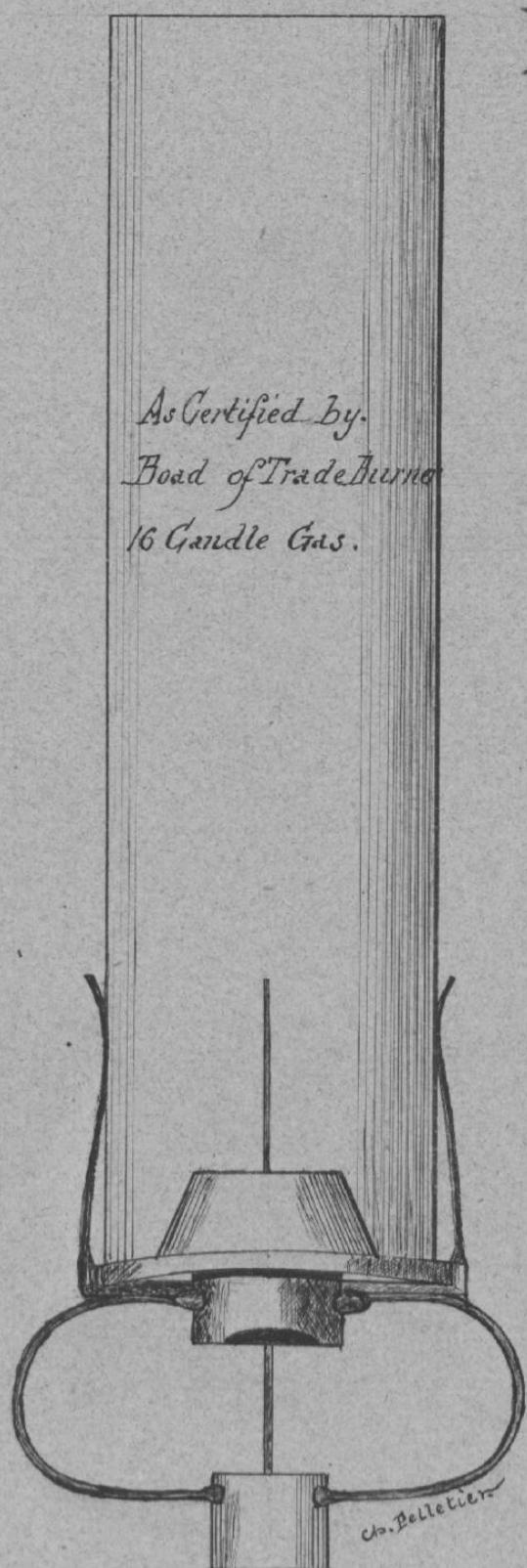
Fig. 58



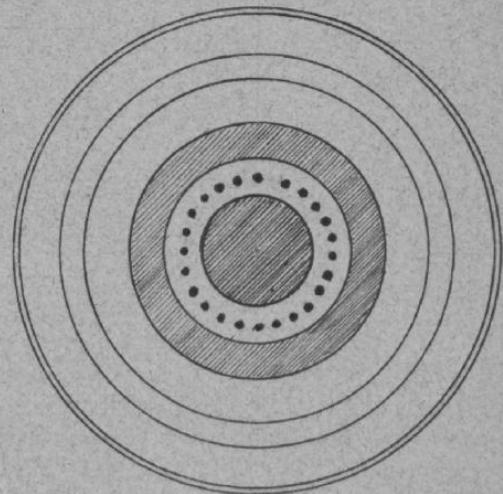
APPAREILS PHOTOMETRIQUES
de Dumas et Regnault
pour la vérification du pouvoir éclairant
du gaz de la Compagnie Parisienne
Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

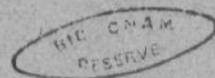
Fig. 59



*As Certified by.
Board of Trade Burner
16 Candle Gas.*



*PLAN DU BRÛLEUR
AVEC
SON PORTE-VERRE*

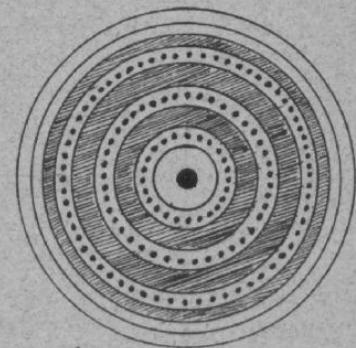
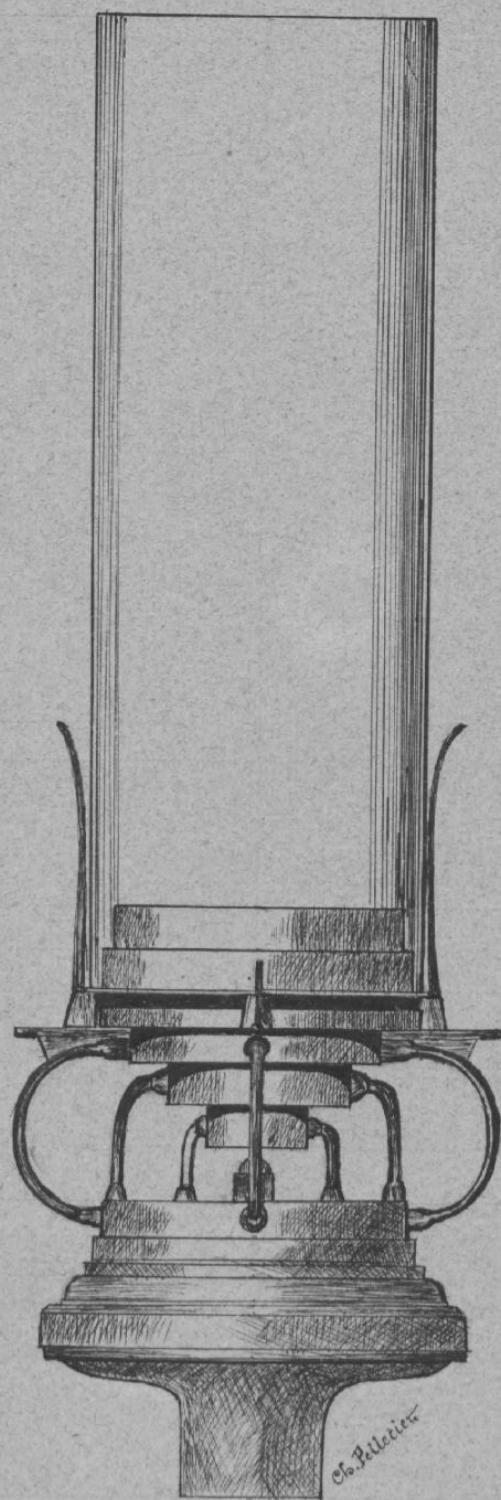


BEC ÉTALON ANGLAIS

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 60



PLAN DU BRÛLEUR

AVEC

SON PORTE-VERRE



BEC ANGLAIS

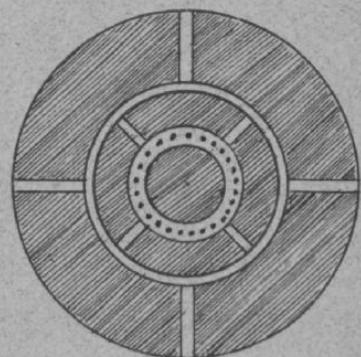
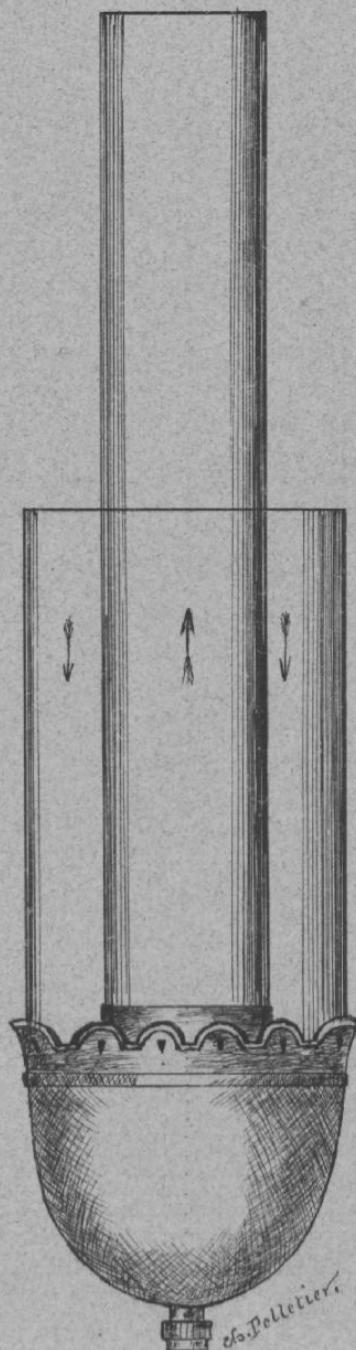
a trois couronnes

Droits réservés au Cnam et à ses partenaires

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 61



PLAN DU BRÛLEUR

AVEC

SON PORTE-VERRE



BEC A DOUBLE CHEMINÉE

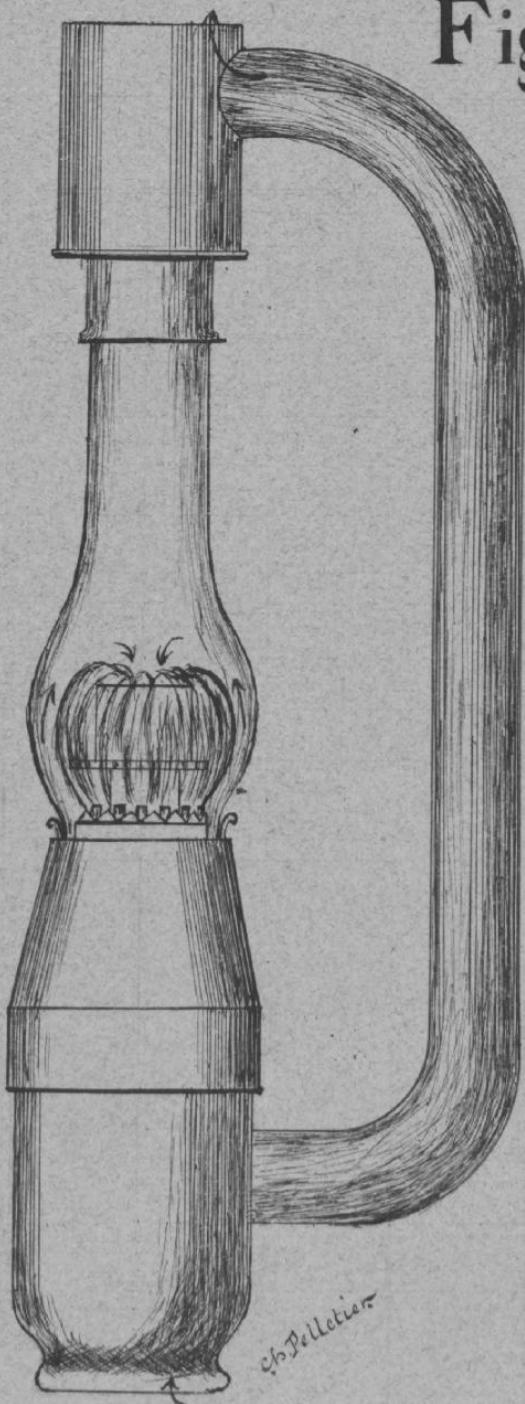
Dispositif de Chaussenot

1836

Droits réservés au Cnam et à ses partenaires

ECLAIRAGE AU GAZ

Fig. 62

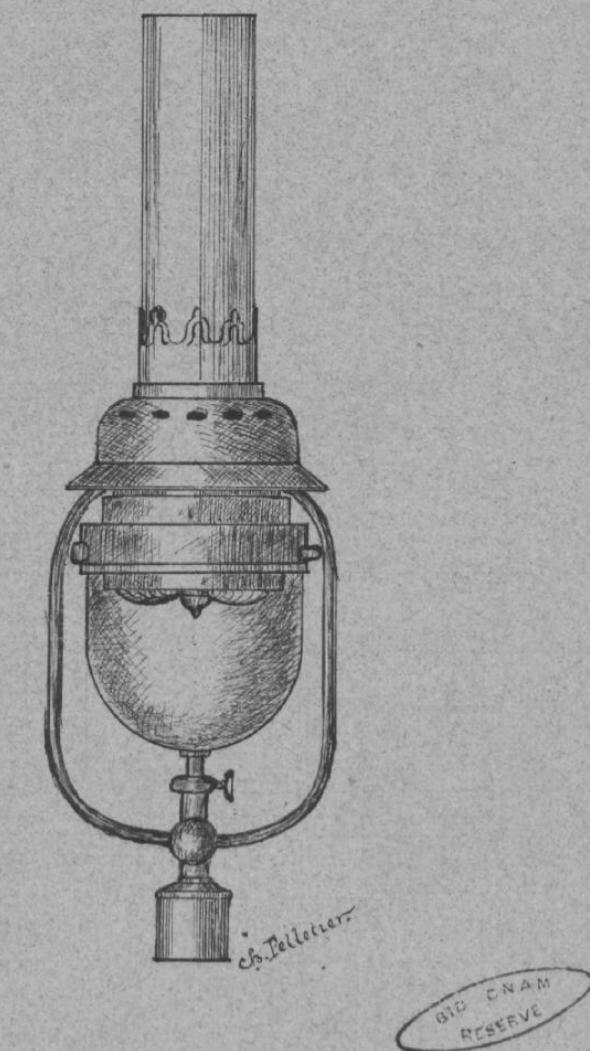


BIB Cnam
RESERVE

BEC SIEMENS

Fig. 63

ÉCLAIRAGE AU GAZ



BEC À RECUPERATEUR

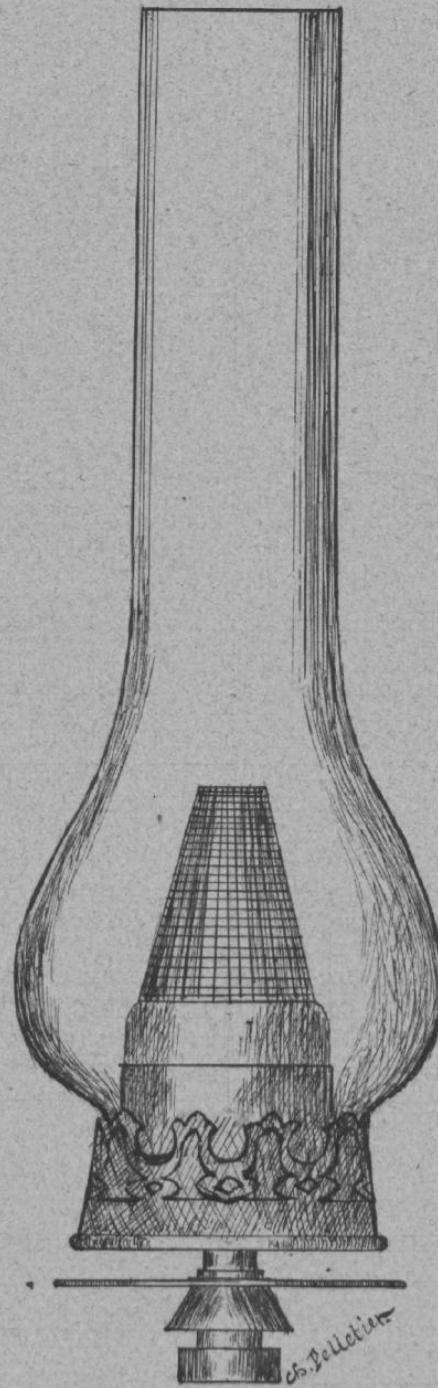
ECLAIRAGE AU GAZ

Fig. 64



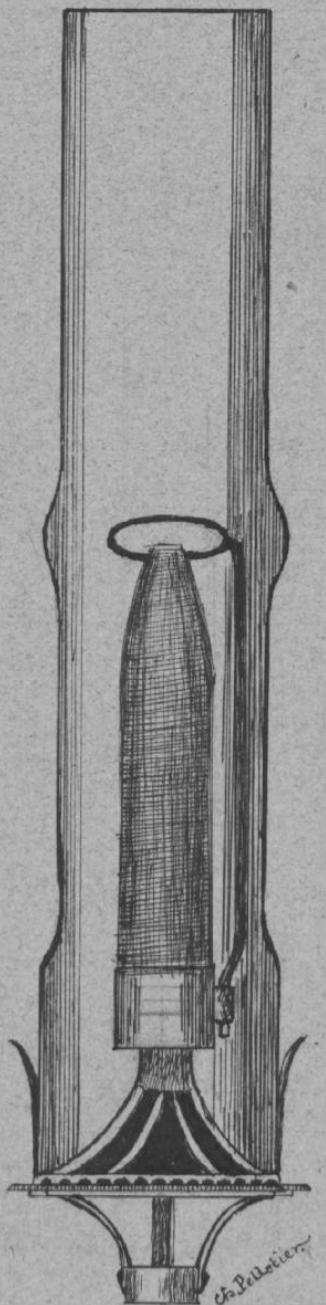
GROUPE DE BRÛLEURS
à récupérateur

Fig. 65
ÉCLAIRAGE AU GAZ



BEC À INCANDESCENCE
CLAMOND

Fig. 66
ÉCLAIRAGE AU GAZ

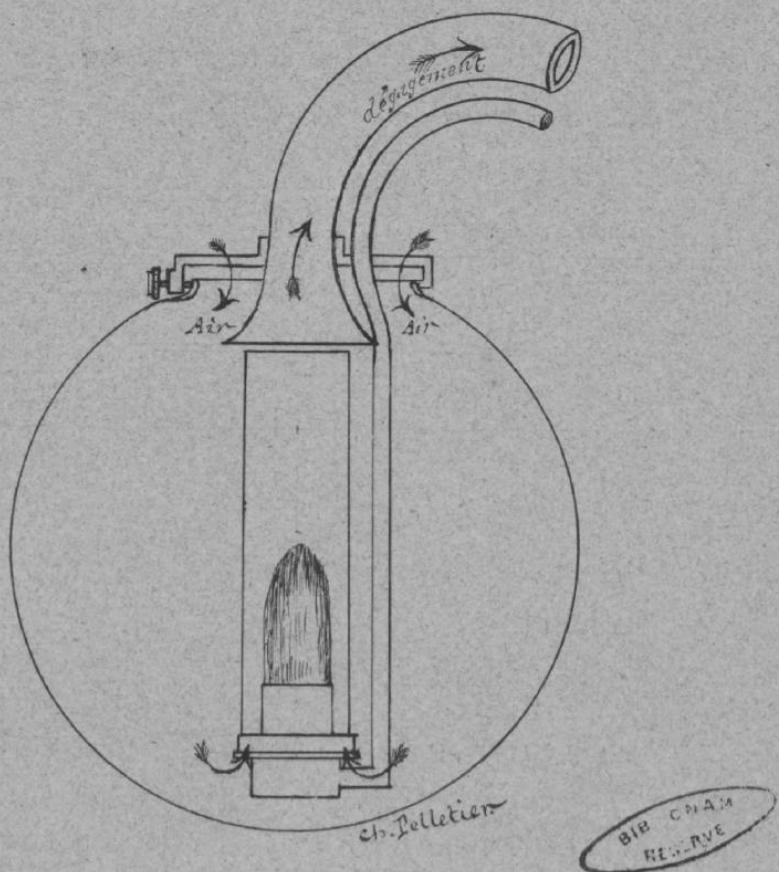


BEC A INCANDESCENCE
AUER

Fig 67

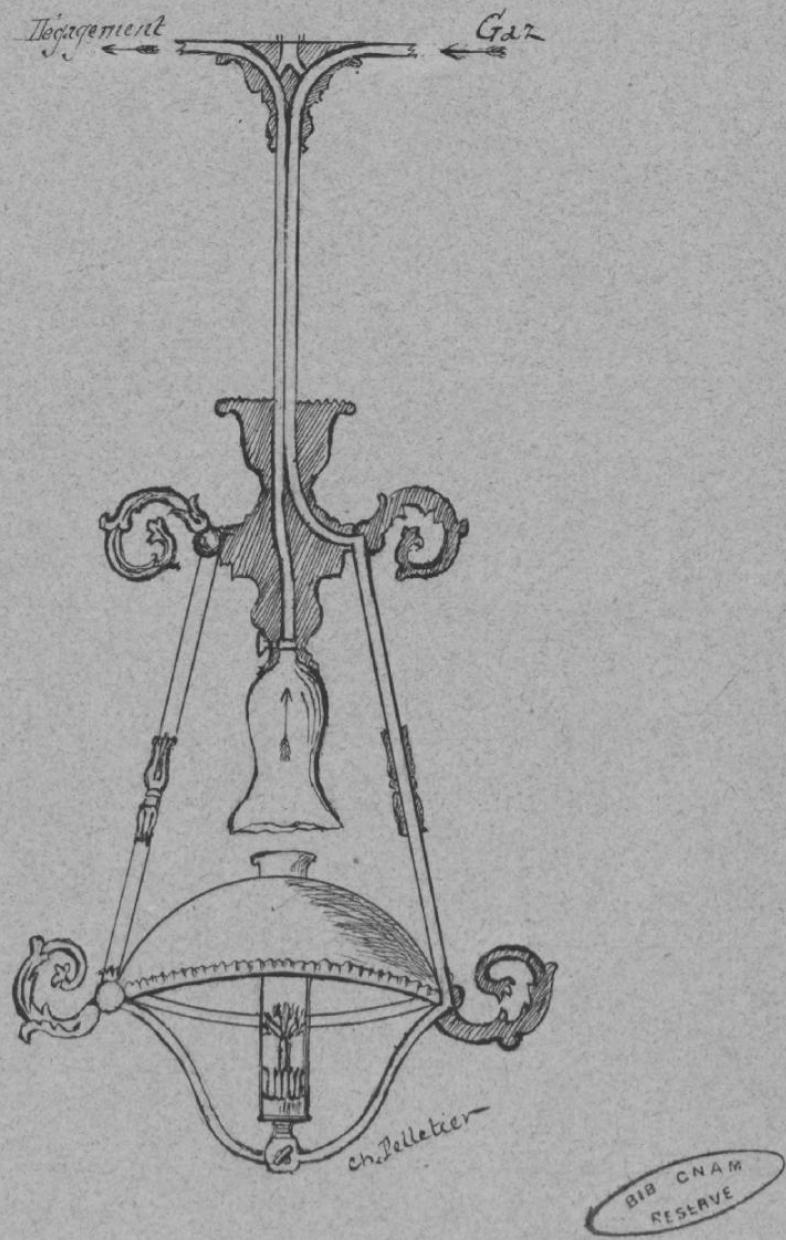
ECLAIRAGE AU GAZ

1843



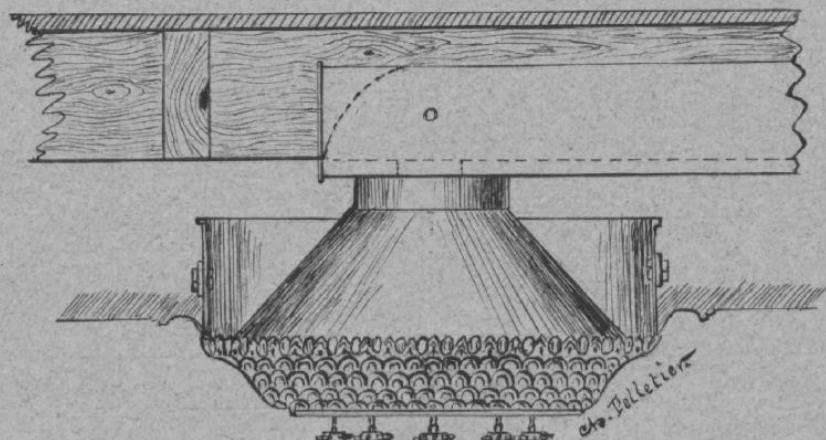
Appareil éliminateur Rutter

Fig. 68



**APPAREIL ÉLIMINATEUR
POUR ÉCLAIRAGE AU GAZ**
du Dr^r Tavignot

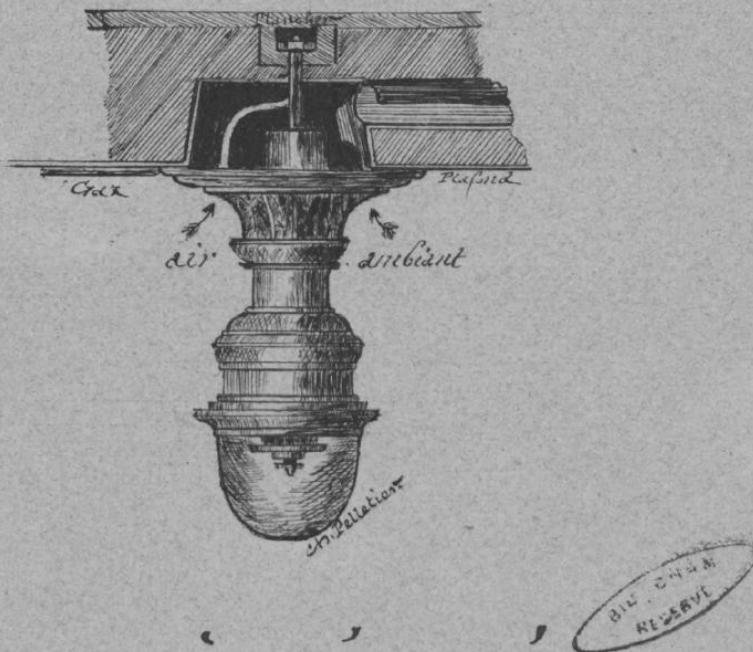
Fig. 69



BIB Cnam
RESERVE

SOLEIL VENTILATEUR AU GAZ

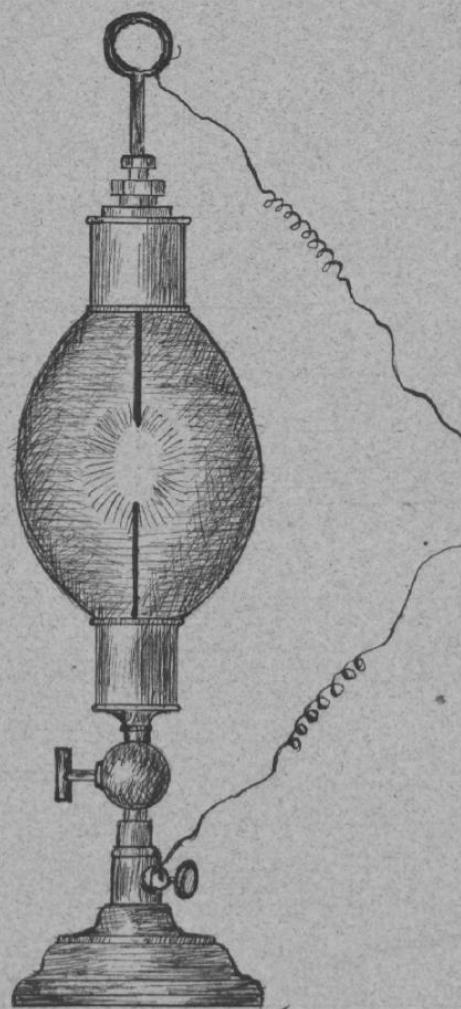
Fig. 70



APPAREIL À RECUPERATEUR
pour éclairage au gaz
appliqué à la ventilation

Fig . 7I

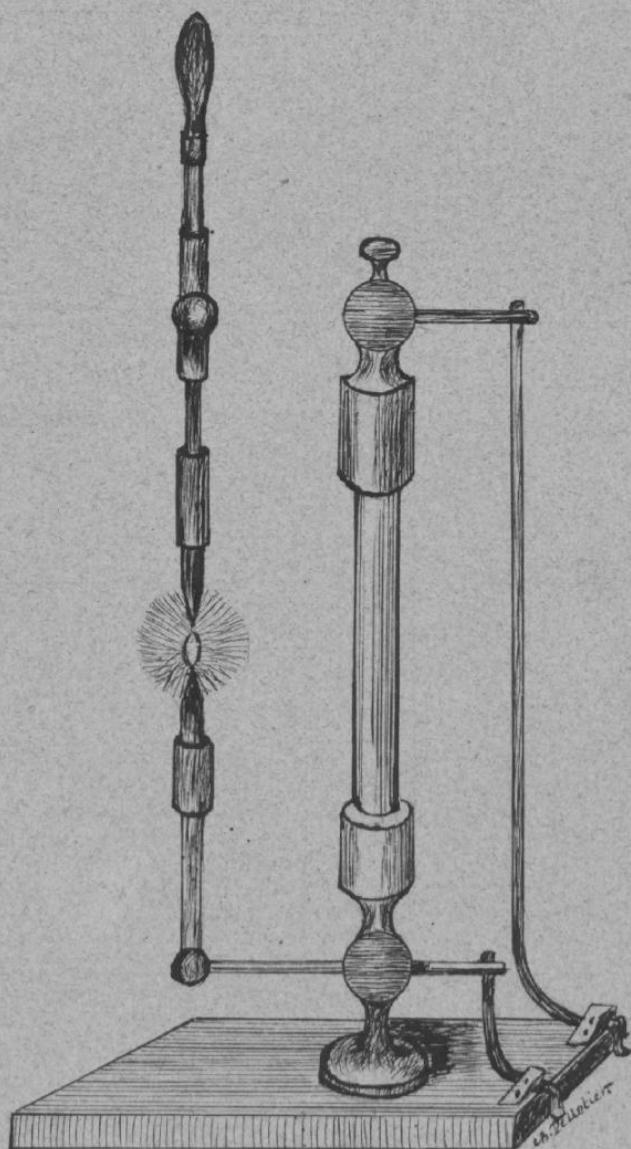
ECLAIRAGE ÉLECTRIQUE



ŒUF DE DAVY

ECLAIRAGE ELECTRIQUE

Fig. 72

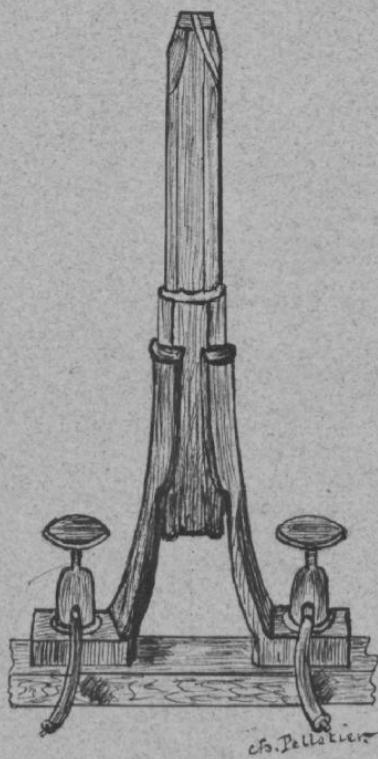


BIB CNA M
RESERVE

LAMPE A ARC

Fig. 73

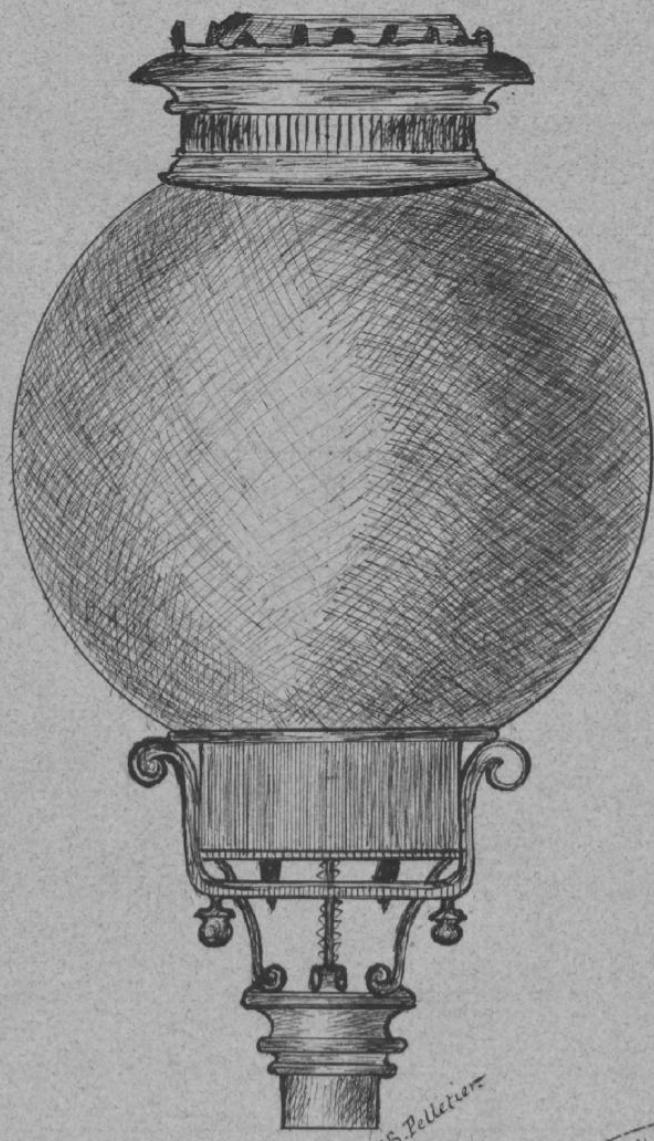
ECLAIRAGE ELECTRIQUE



BOUGIE JABLOCHKOFF

Droits réservés au Cnam et à ses partenaires

Fig. 74
ÉCLAIRAGE ELECTRIQUE

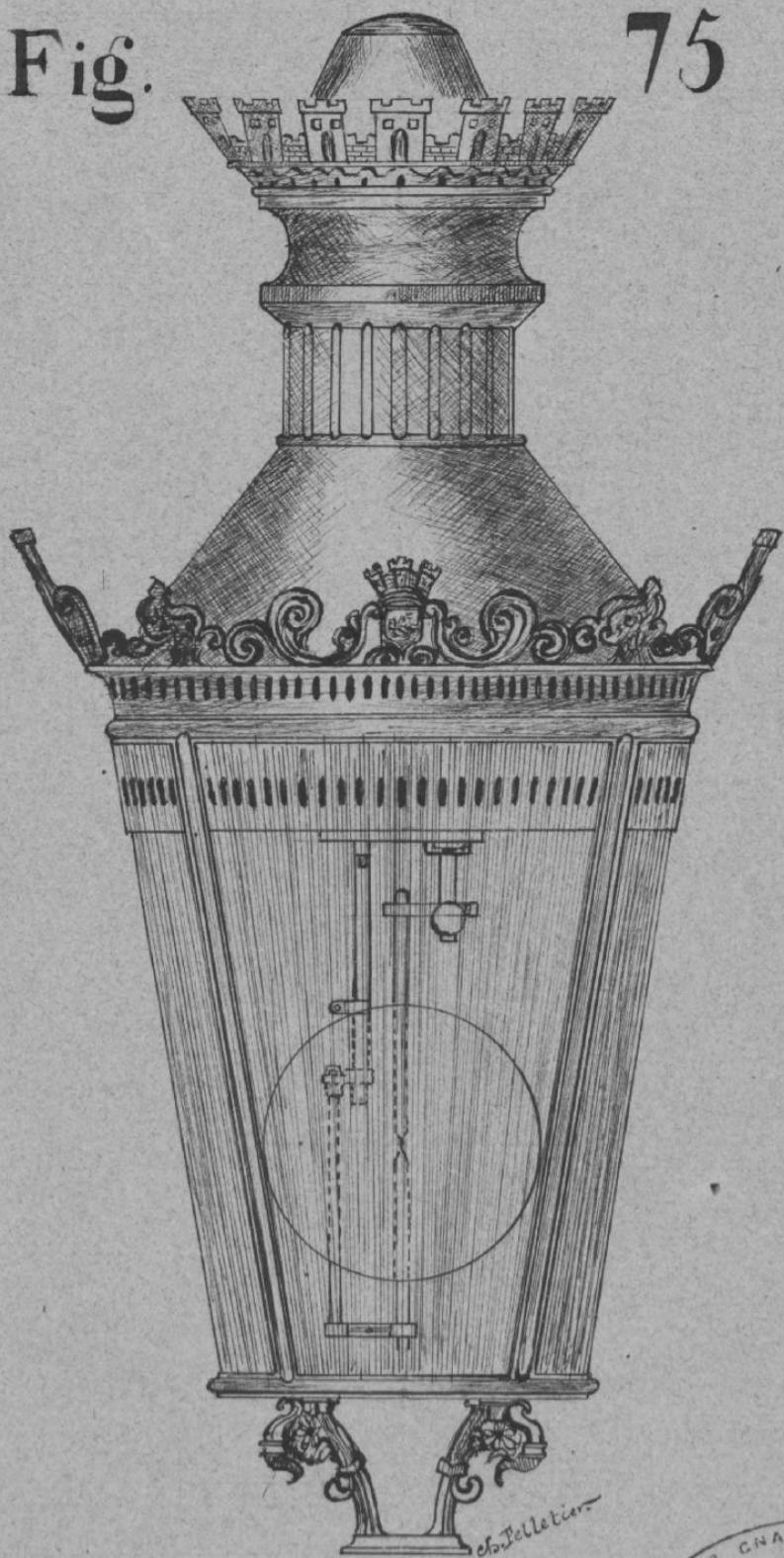


LAMPE JABLOCHKOFF

ECLAIRAGE ÉLECTRIQUE

Fig.

75



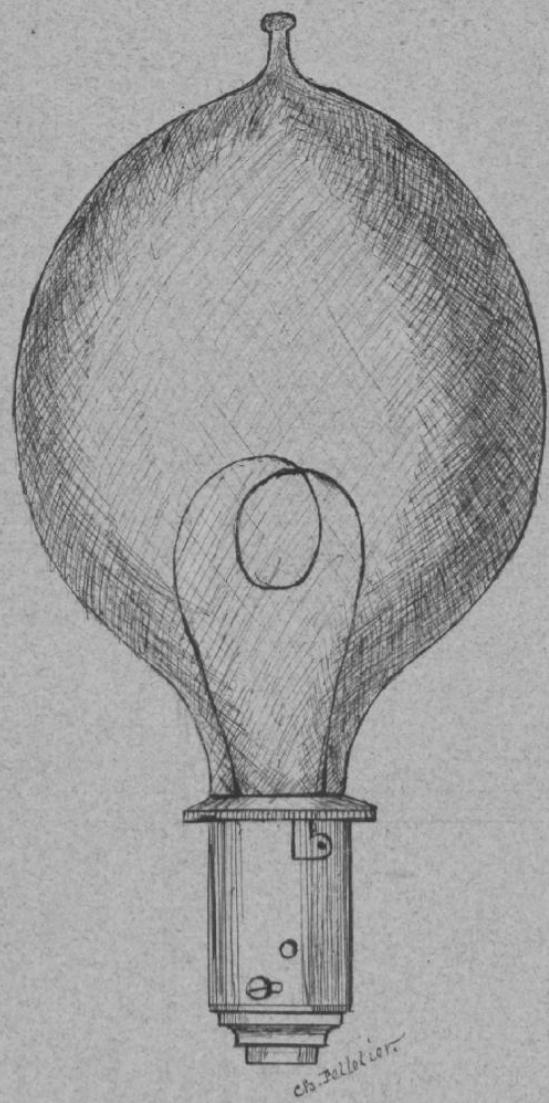
Ch. Pelleterier



LANTERNE À ARC

ECLAIRAGE ELECTRIQUE

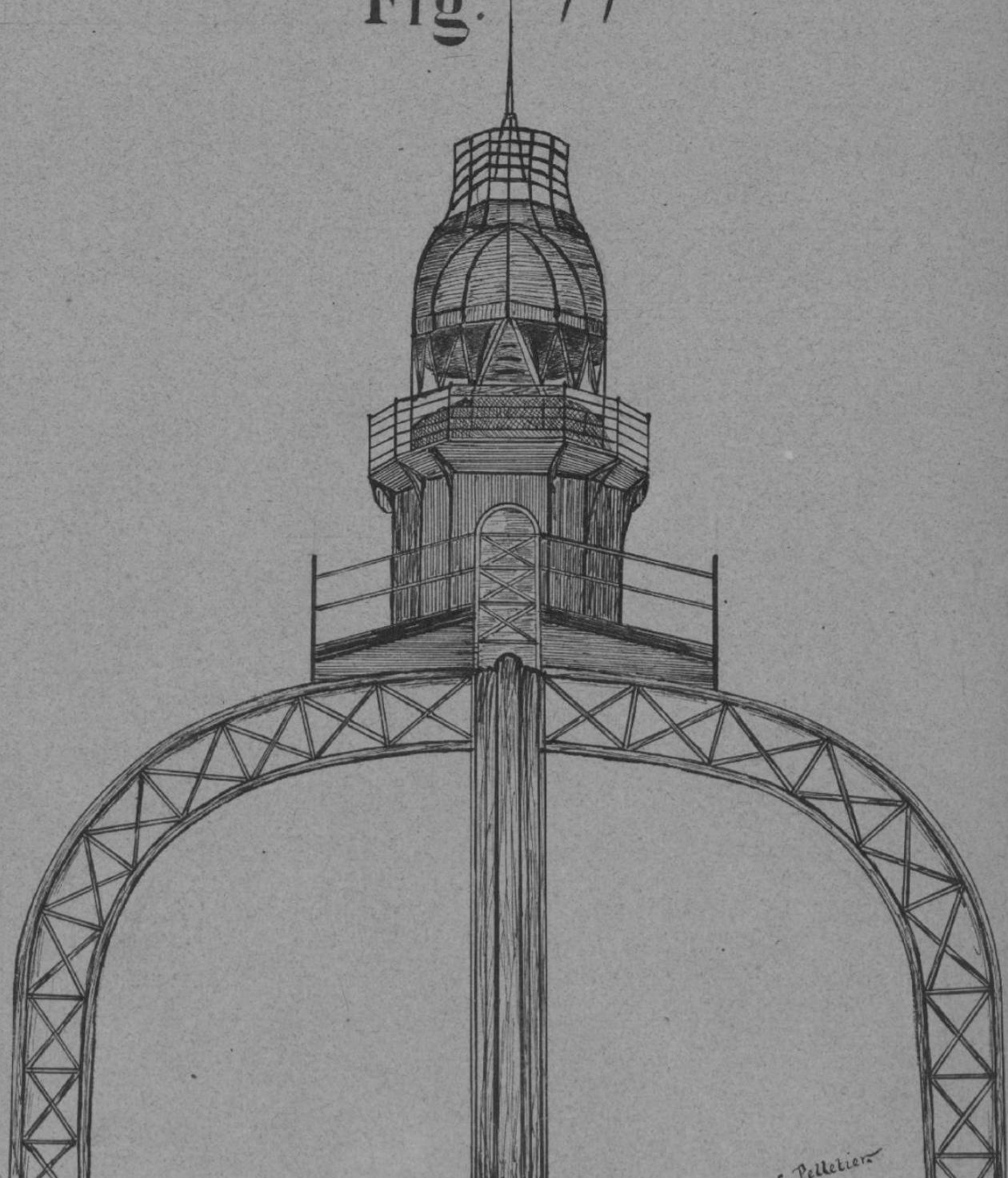
Fig. 76



BEC EDISON

ECLAIRAGE ELECTRIQUE

Fig. 77



BIN CNAME
RESERVE

PHARE DE LA TOUR EIFFEL

Droits réservés au Cnam et à ses partenaires

