

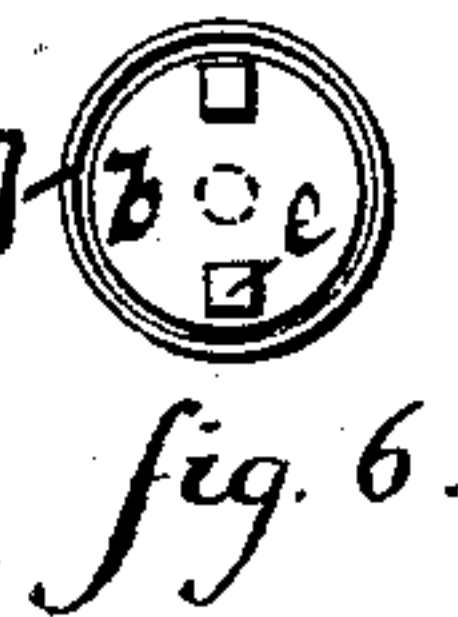
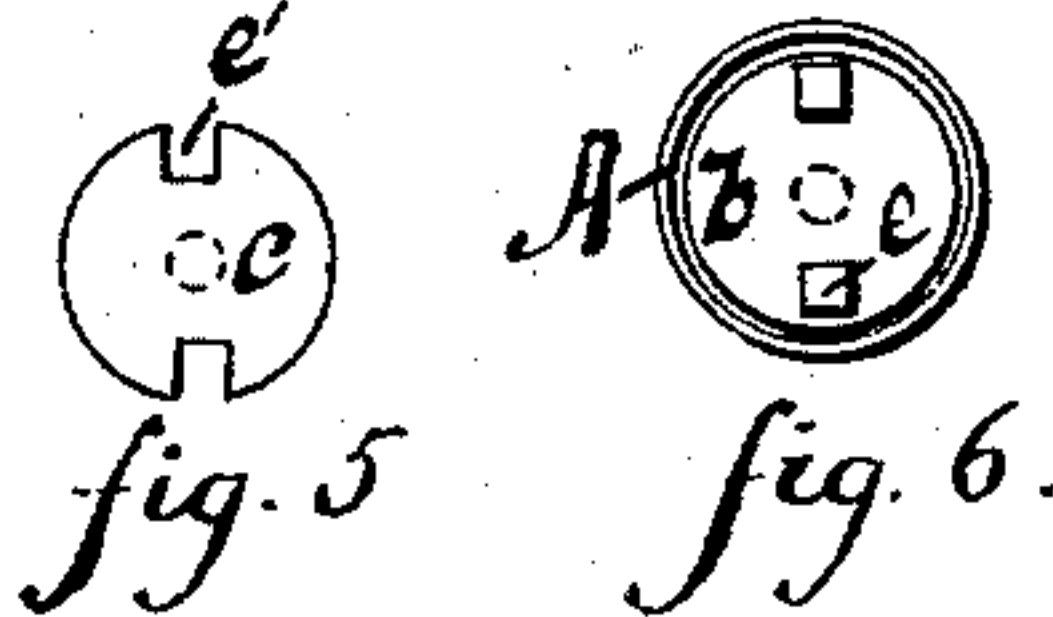
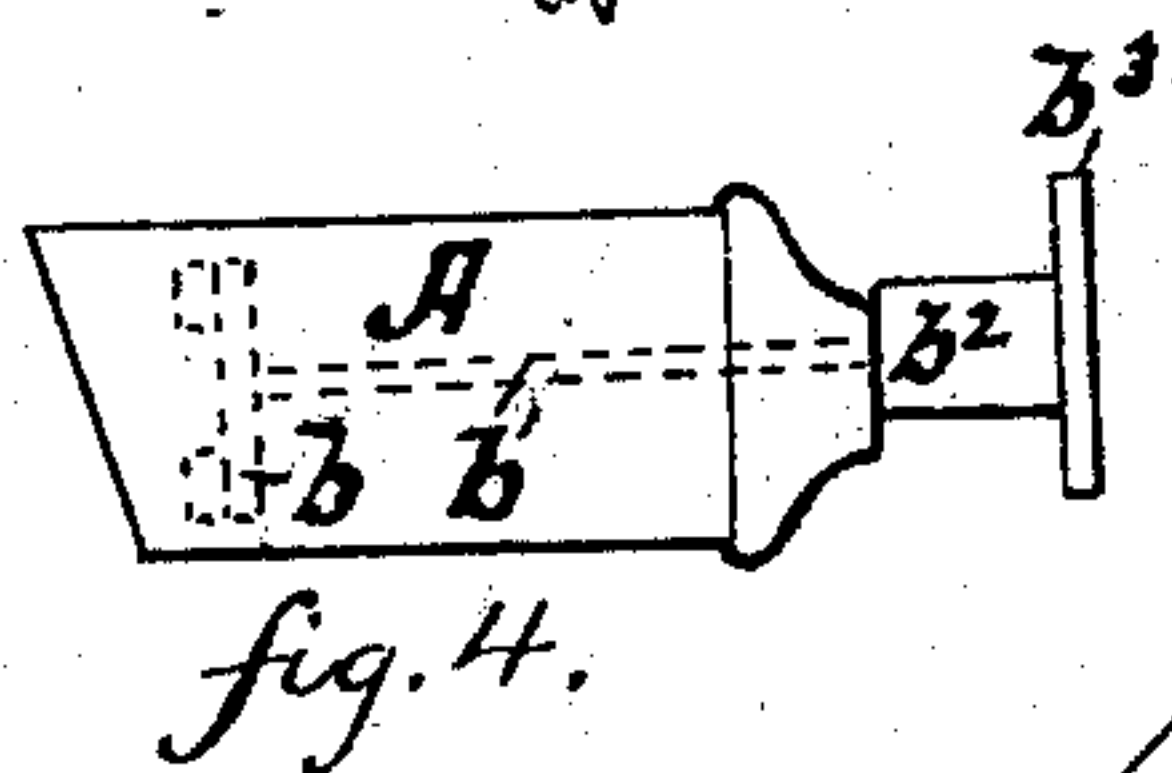
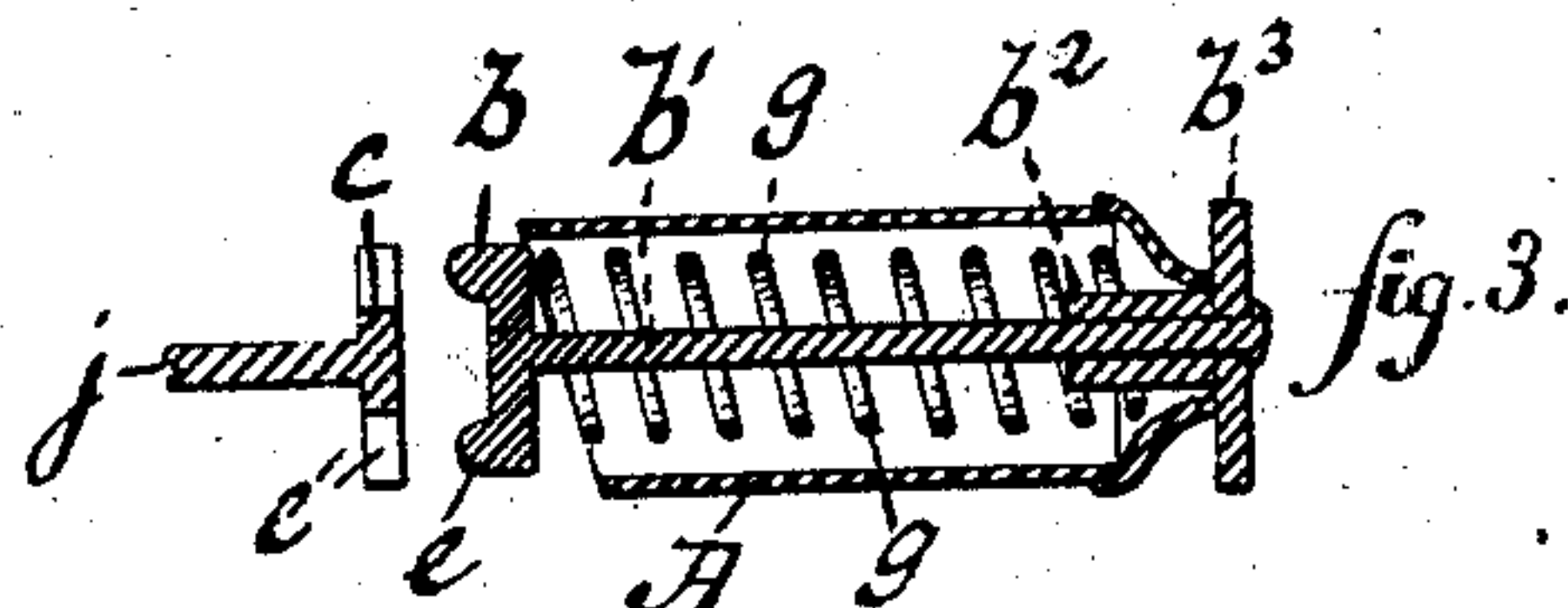
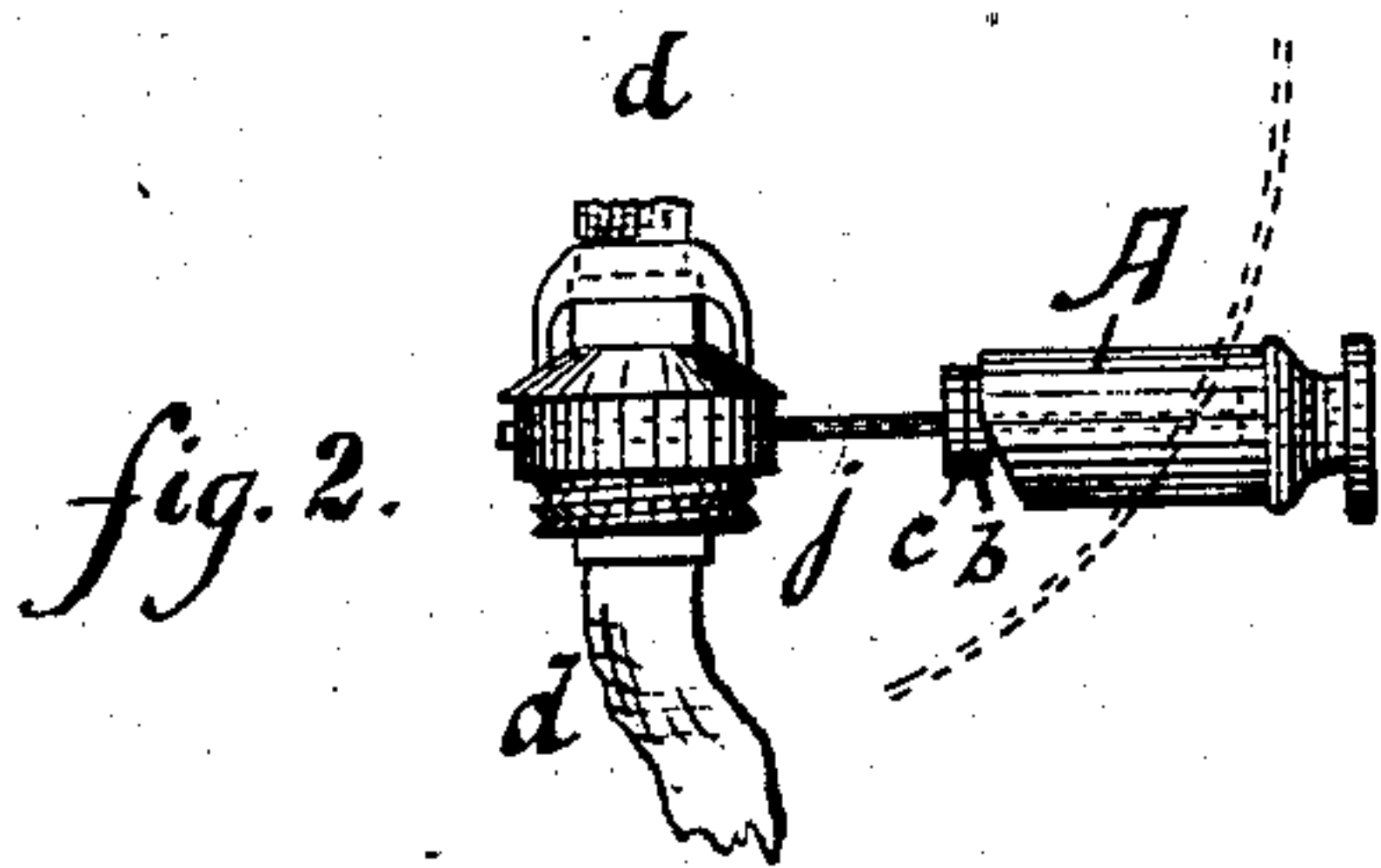
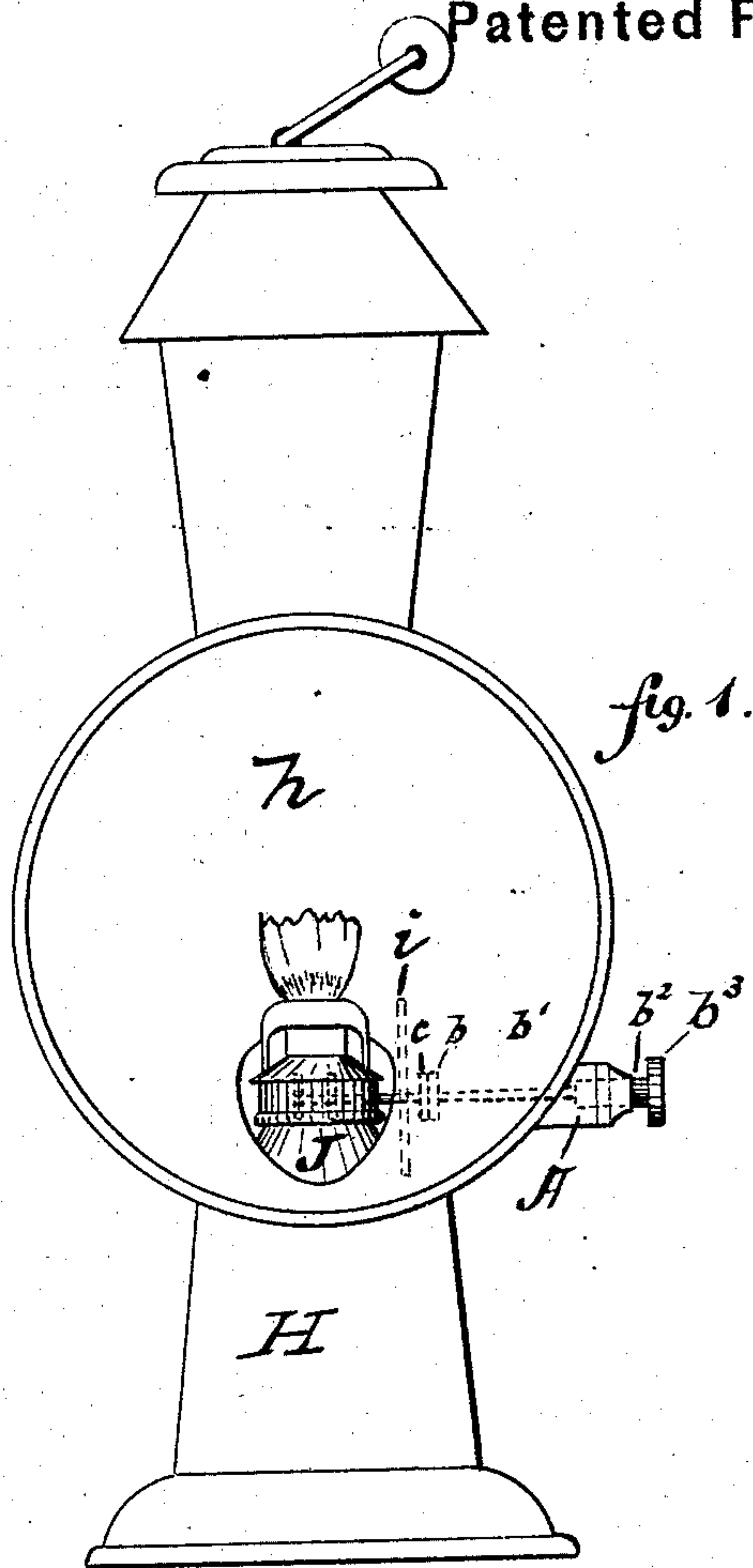
(No Model.)

2 Sheets—Sheet 1.

W. WALTER.
Wick Raiser for Carriage Lamps.

No. 237,346.

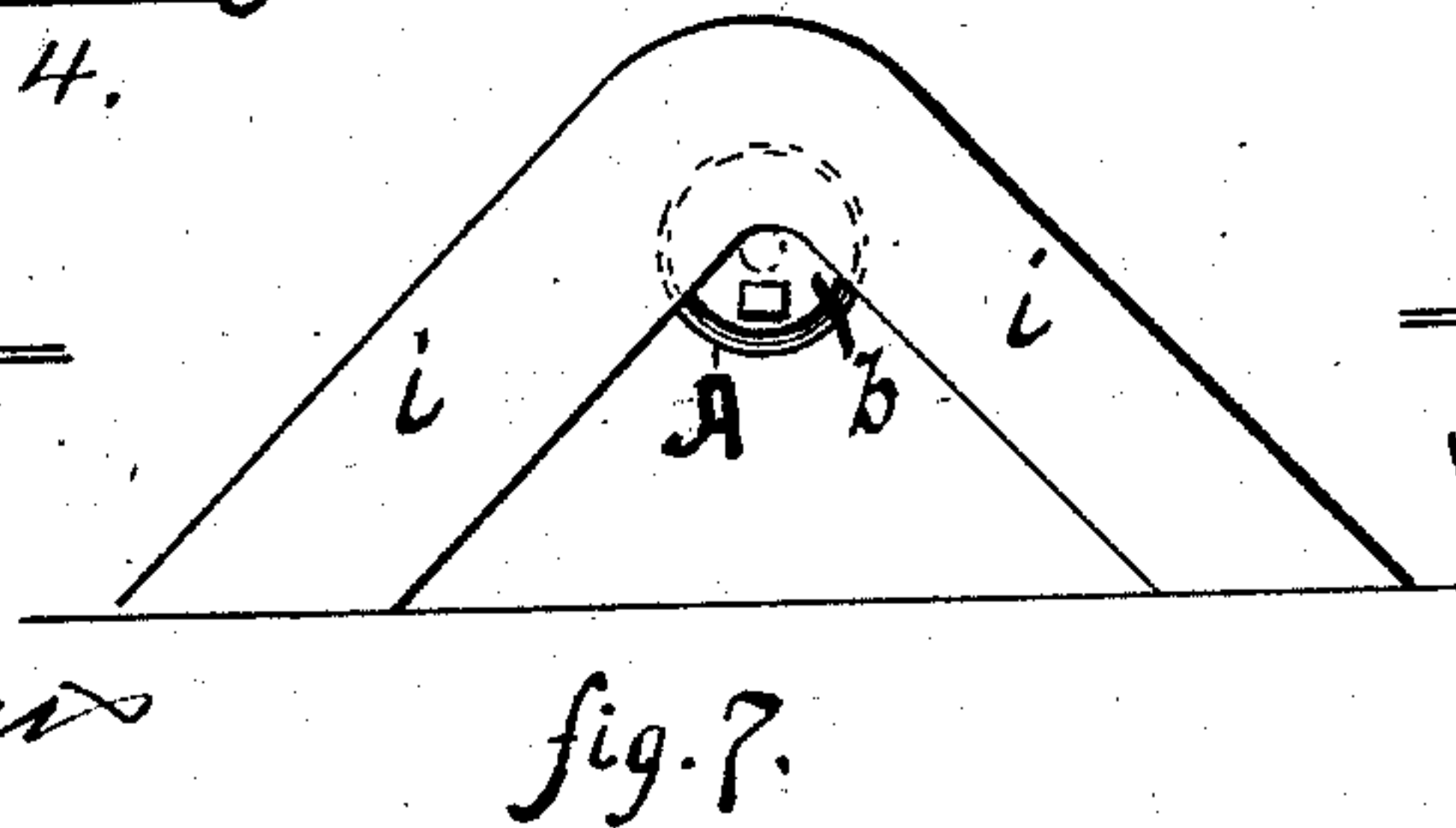
Patented Feb. 1, 1881.



Witnesses:

Charles H. Pell

Wm. Brown



Inventor:

William Walter.

by
Oliver Drake.
att'y

(No Model.)

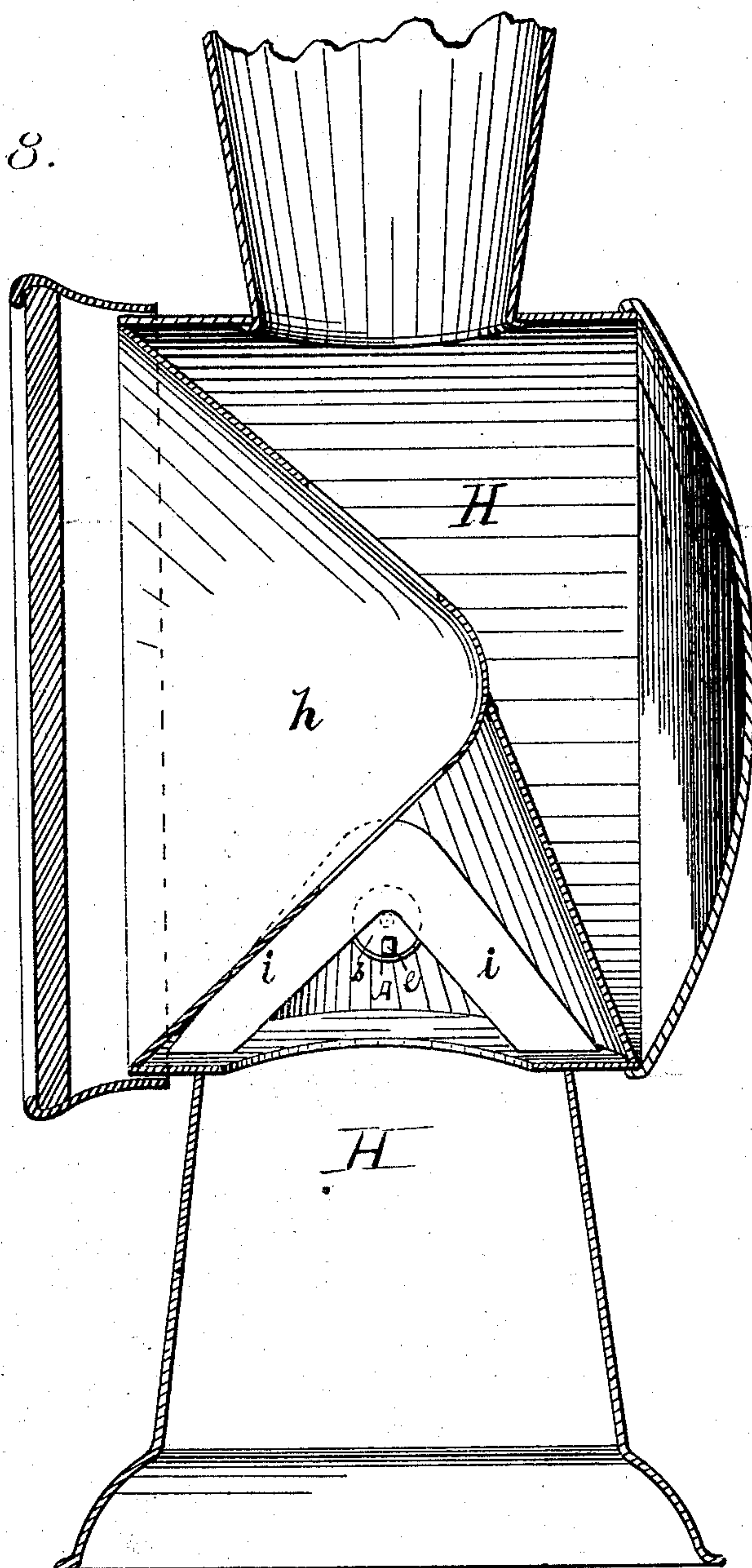
2 Sheets—Sheet 2.

W. WALTER.
Wick Raiser for Carriage Lamps.

No. 237,346.

Patented Feb. 1, 1881.

Fig. 8.



Witnesses:
Charles H. Pell
Chas. Herr.

Inventor:
William Walter
by O. Drake.
Atty

UNITED STATES PATENT OFFICE.

WILLIAM WALTER, OF NEWARK, NEW JERSEY, ASSIGNOR TO C. N. LOCK-
WOOD & CO., OF SAME PLACE.

WICK-RAISER FOR CARRIAGE-LAMPS.

SPECIFICATION forming part of Letters Patent No. 237,346, dated February 1, 1881.

Application filed November 30, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WALTER, of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Wick-Raisers for Carriage-Lamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to coach, railroad, and other similar lamps wherein the oil-fount thereof is adapted to be placed from beneath into an inclosing-case.

The invention consists in certain combinations and arrangements of parts, hereinafter fully set forth and finally claimed.

Referring to the accompanying drawings, in which similar letters of reference indicate like parts in each of the several figures, Figure 1 is a front elevation of the coach-lamp to which my invention has been applied; and Figs. 2 to 7, inclusive, detail views, all of which will be fully explained herein. Fig. 8, Sheet 2, is a sectional view of an oil-fount inclosing-case, showing the position of a guide in said case adapted to bring the ratchet thumb-piece upon the said oil-fount into combination with the coupling device secured in said case.

In carrying out my invention, I first construct a tubular chamber or receptacle, A, having each end thereof open, as shown in the sectional Fig. 3. Said chamber is fastened, by soldering or otherwise, into the case H at a point opposite the ratchet-shaft in the lamp. Into said chamber A is placed a coupling device, $b\ b'\ b^2\ b^3$, adapted to couple or engage with the thumb-piece c , which has the usual connection with the ratchet-shaft j . Said coupling device is composed of the thumb-piece b^3 , shank b' , shoulder b^2 upon said shank, and coupling-head b , having thereon lugs e , which pass into corresponding notches e' in the thumb-piece c . Around the shank b' , in the manner shown in sectional Fig. 3, is placed a spiral spring, g , adapted to bear against the outer end of the tubular chamber and against the coupling-head b . Said spring g holds said head in combination or connection with the thumb-piece c in the manner shown in Figs. 1 and 2. Behind the reflector h is fastened an

angular guide, i , so situated in the case H as that the ratchet-shaft j of the wick-operating device of the lamp will catch thereon and guide the notched thumb-piece c to its proper position for engaging with the head b .

The operation of the invention is as follows: The receptacle A being soldered or otherwise secured to the case H, opposite the thumb-piece c , the coupling device $b\ b'\ b^2\ b^3$ is pulled out, and the shoulder b^2 is caught on the outer edge of the tubular receptacle A in the manner illustrated by Fig. 4. This action uncouples the parts $b\ c$, as will be evident, and the fount J may be removed from its case without hindrance. When the fount J is replaced, the guide i bringing the thumb-piece c into a position of engagement, as before stated, the shoulder is disengaged and brought, by the action of the spring g , into the chamber A. This brings the coupling-head b into engagement with the notched thumb-piece c , as will be readily understood. By turning the thumb-piece b^3 the wick can be raised or lowered, as desired.

By this device the wick can be manipulated without removing the fount J from its case H, as has been heretofore necessary in most cases, in which operation great inconvenience has often been experienced from the light being blown out by the wind.

Having thus described my invention, what I claim, and wish to secure by Letters Patent, is—

1. The combination, with the case H, of a guide, i , adapted to bring a thumb-piece, c , to a point of contact with a coupling device upon said case H, as and for the purposes set forth.

2. In lamp attachments, the combination, with a ratchet-shaft, j , having means for engagement thereon, of a head, b , shank b' , shoulder b^2 , thumb-piece b^3 , and a spring, g , said parts $b\ b'\ b^2\ b^3\ g$ being held in a fount-inclosing case, H, all the parts being arranged and operating as and for the purposes set forth and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of November, 1880.

WILLIAM WALTER.

Witnesses:

OLIVER DRAKE,
JNO. A. HOWELL.