

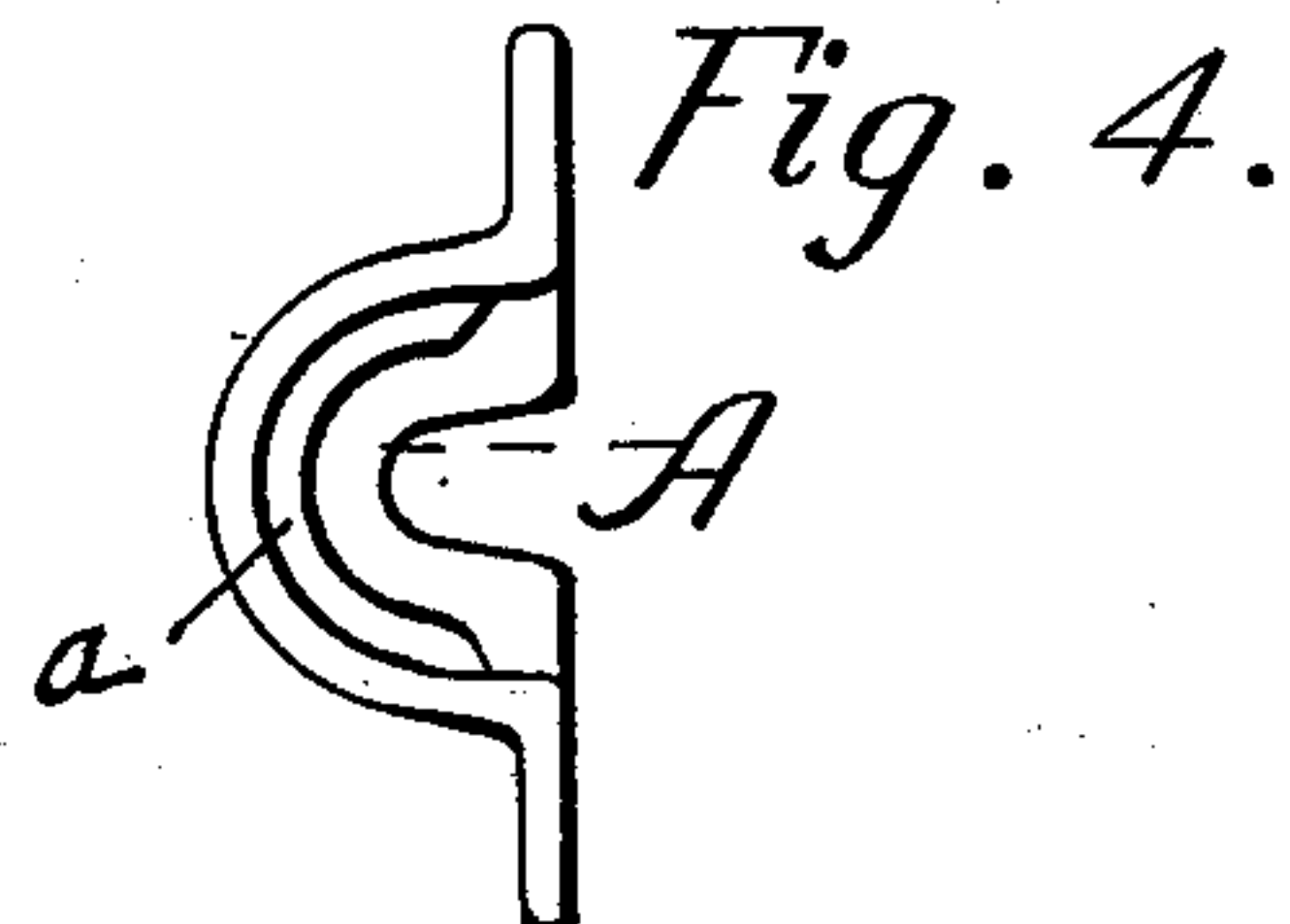
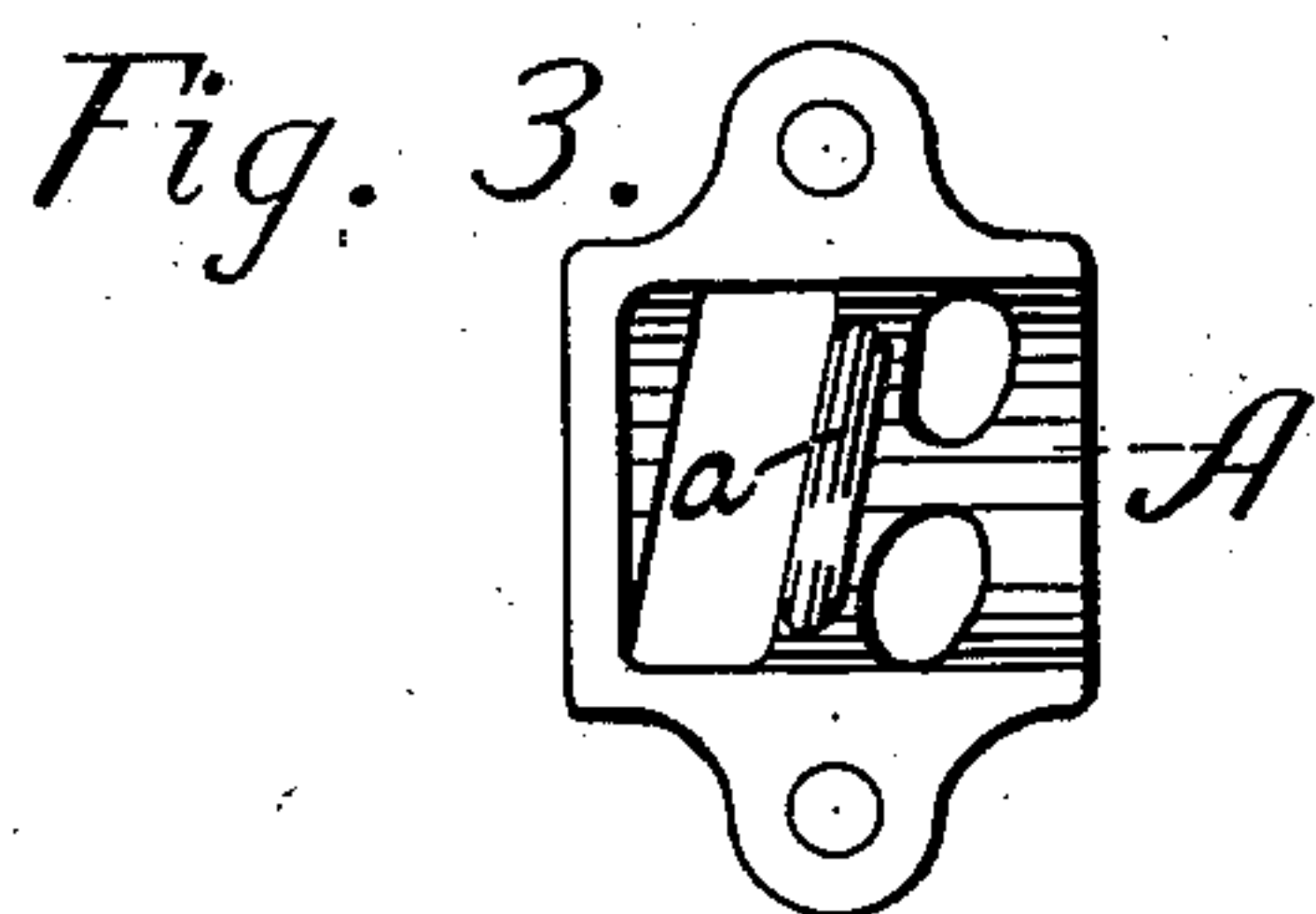
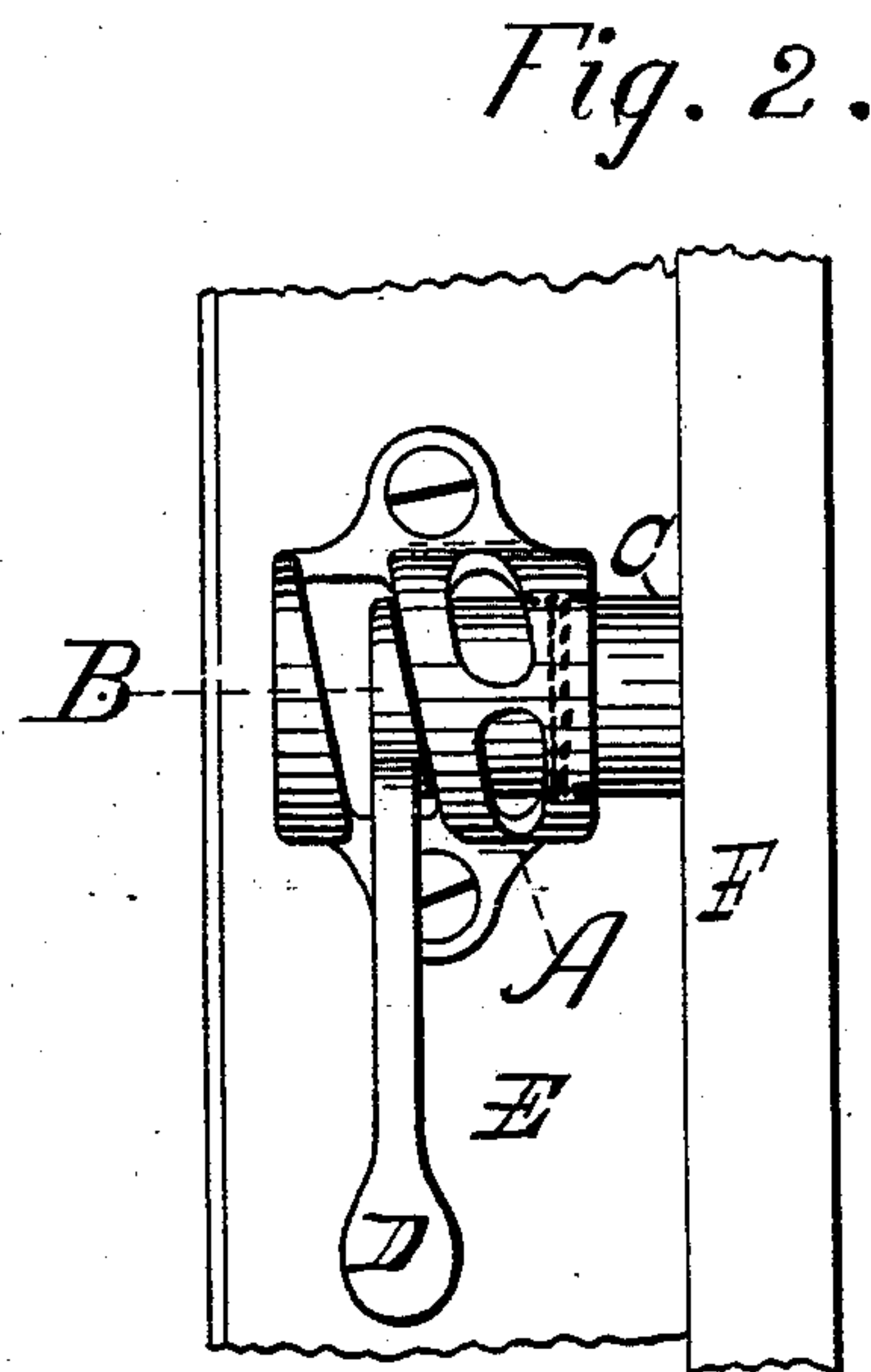
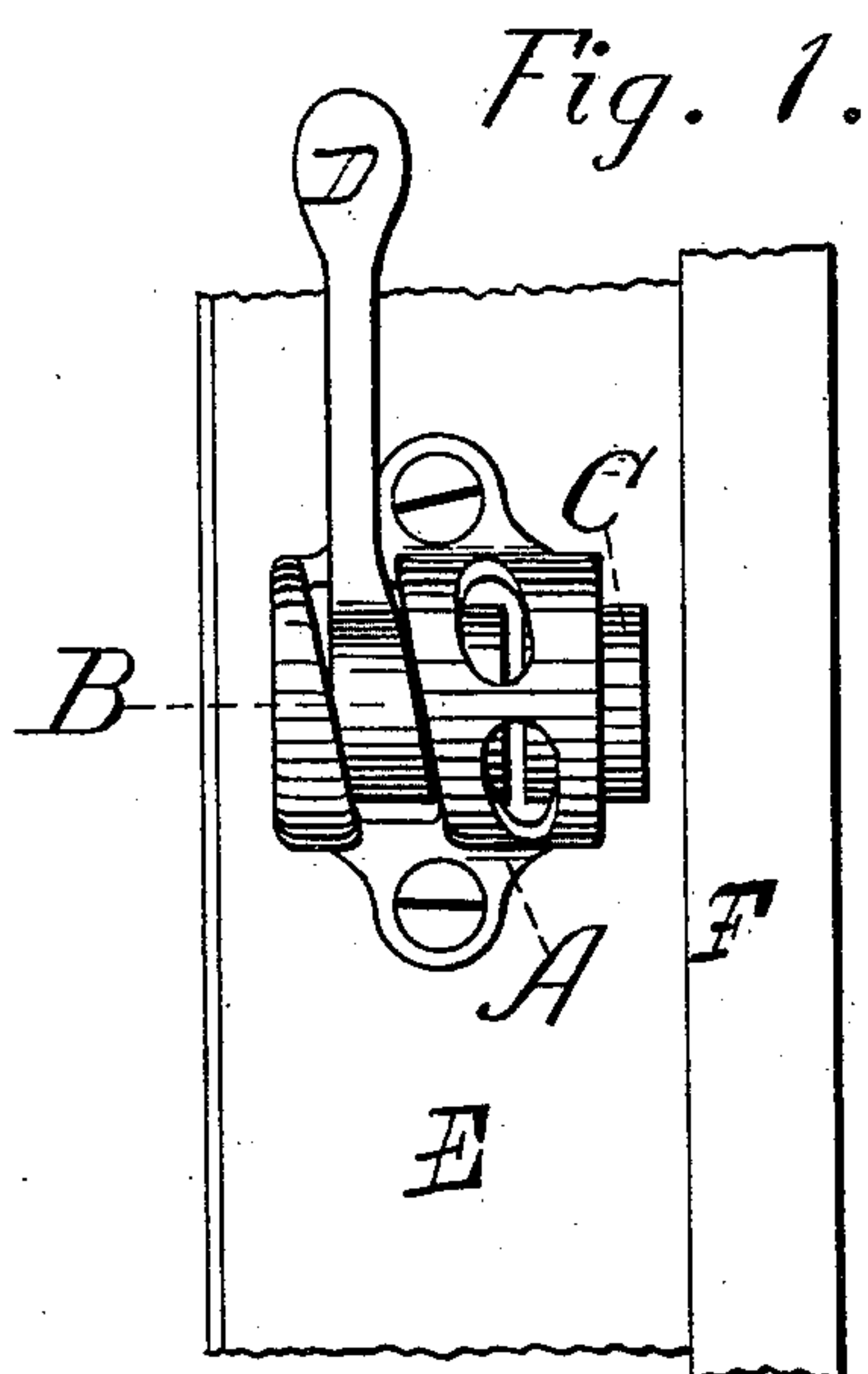
(Model.)

S. S. WATERHOUSE.

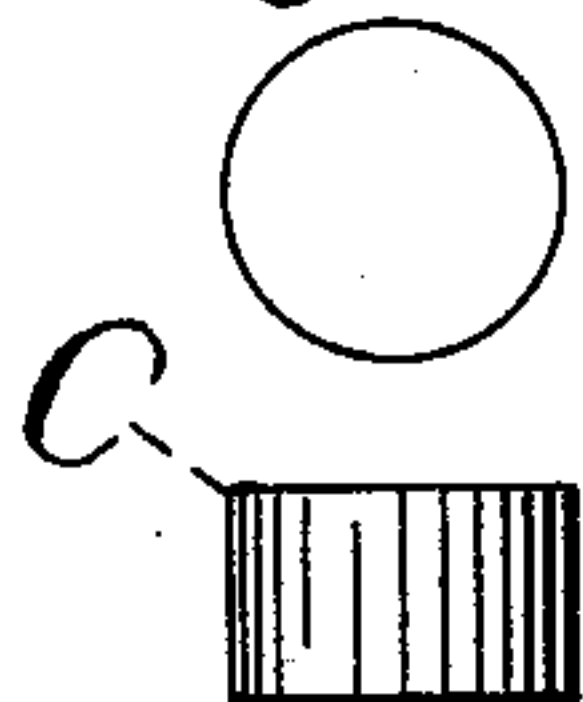
SASH HOLDER.

No. 273,327.

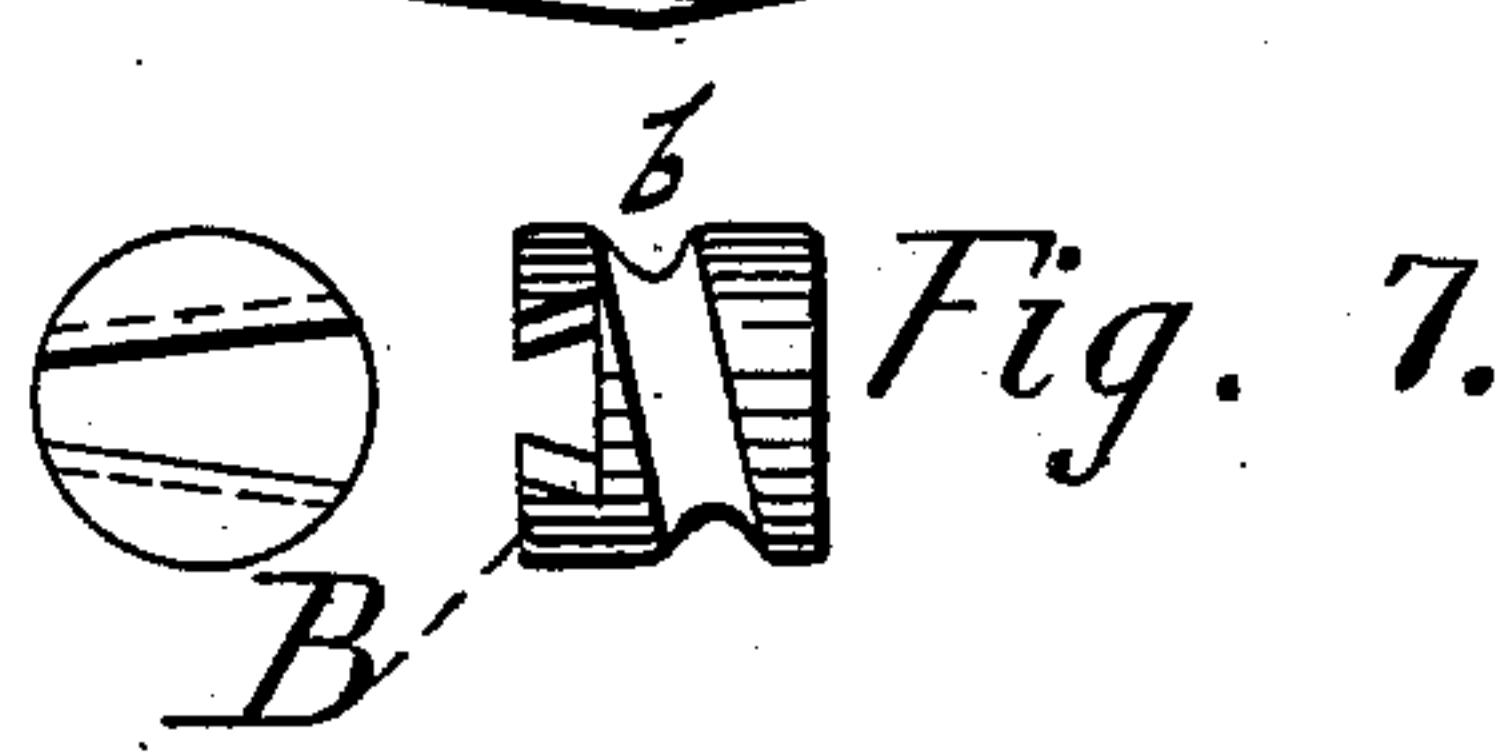
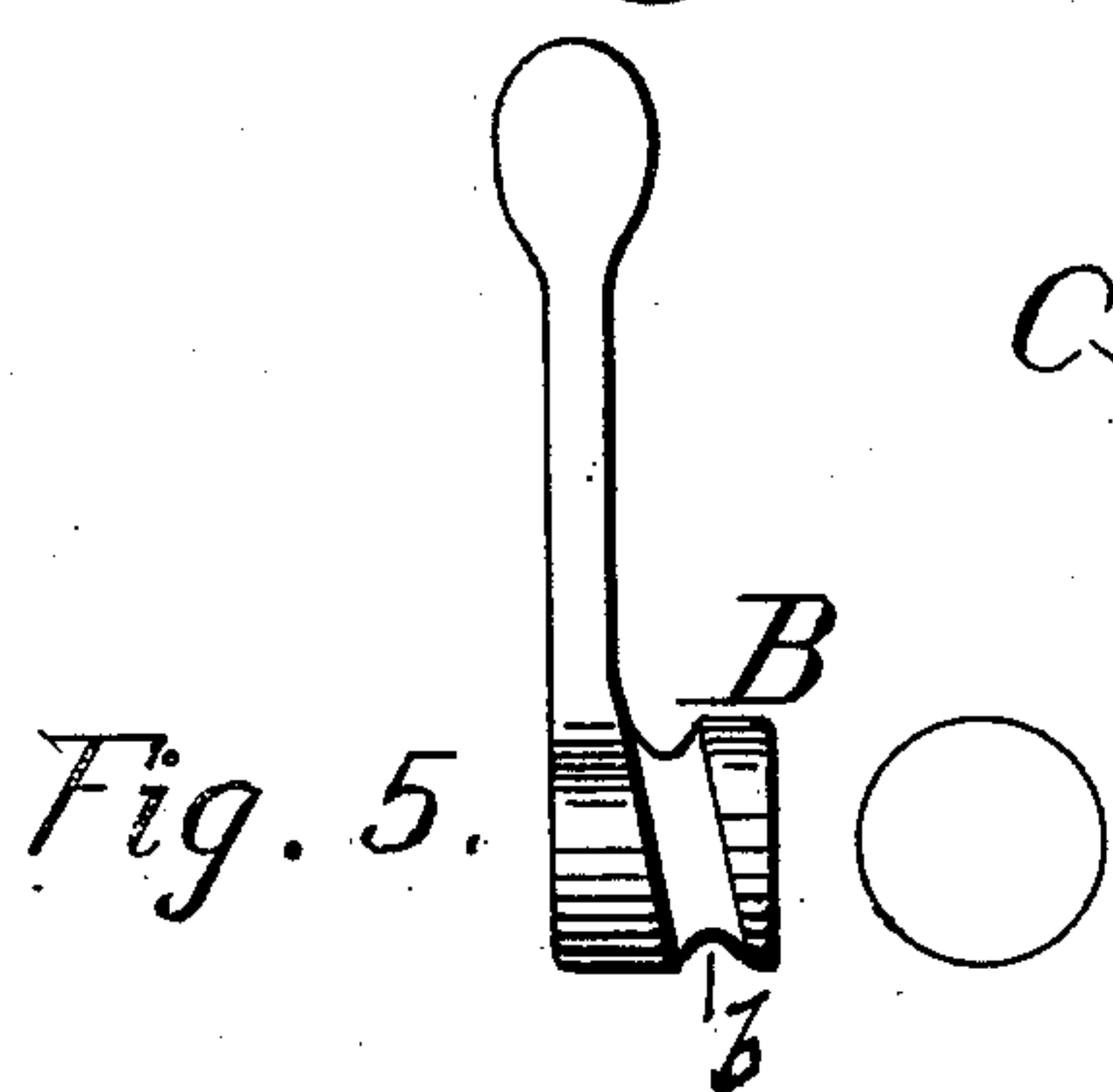
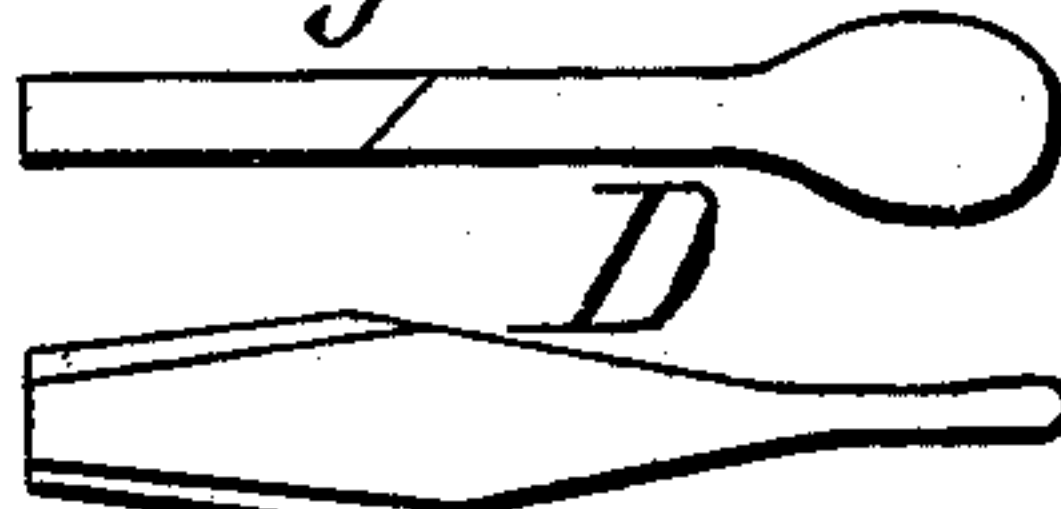
Patented Mar. 6, 1883.



*Fig. 6.*



*Fig. 8.*



WITNESSES:

*Samuel P. Hanson*

*L. Morgan Edwards*

INVENTOR

*Samuel S. Waterhouse*

# UNITED STATES PATENT OFFICE.

SAMUEL S. WATERHOUSE, OF PLEASANTVILLE, NEW JERSEY, ASSIGNOR TO  
HENRY A. WILLES, OF PHILADELPHIA, PENNSYLVANIA.

## SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 273,327, dated March 6, 1883.

Application filed June 18, 1880. (Model.)

*To all whom it may concern:*

Be it known that I, SAMUEL S. WATERHOUSE, of Pleasantville, in the county of Atlantic and State of New Jersey, have invented certain new and useful Improvements in Sash-Holders, of which the following is a specification.

My invention relates to improvements in that class of sash-holders which comprise a diagonally-slotted case and a bolt formed in two connected sections, the object being to permit a rotation of one section without rotating the other; and my invention consists in certain features hereinafter described, and specifically set forth in the claims.

Referring to the drawings, Figure 1 illustrates a sash-holder constructed in accordance with my invention and in an open or unlocked position. Fig. 2 shows the same closed; and Figs. 3 to 8, inclusive, are details.

Like letters refer to like parts in all the figures.

A represents a diagonally-slotted bottomless casing, adapted, as shown, for attachment to a sash (as E) by means of screws. In the diagonal slot the handle or lever of a short bolt, B, operates in the usual manner to reciprocate the bolt longitudinally within the casing, which operation is facilitated by a male thread, *a*, formed on the inner surface of the casing, and a female thread or groove, *b*, formed on the bolt, as shown in Figs. 3, 4, 5, and 7, the bolt in the latter figure being shown as adapted to receive the tapering beveled end of the handle or lever D of the bolt, as illustrated in Fig. 8. The casing A is extended to act, when in use, as the sole means of retaining in operative position a separate detached cylindrical wooden section or plug, C, of a diameter equal to that of the bolt and fitting the casing interiorly in advance of the thread *a*, the grain of said section being disposed longitudinally thereof, in order to constantly present a slightly granular or roughened surface to the window-casing F, against which it is pressed by depressing the lever D, as shown in Fig. 2.

In this class of holders, as heretofore constructed, the cumbersomeness and expense of the same has been increased by casting inte-

gral with the casing a bottom, and this also necessitated making the bolt and handle in two parts, else no way was provided to insert the bolt into the casing. Again, in previous constructions the section C has invariably been connected to the bolt, necessitating liability to turn the same with the bolt and increased labor and expense in manufacturing the holder, which, added to the expense of forming the bolt and handle in two castings or pieces, materially increased the first cost of the article. Furthermore, heretofore the use of rubber and cork sections to press against the window-casing, which sections were connected to the bolt, resulted in quickly wearing out the same or marring the window-casing by reason of the necessity of setting the holder so near the window-casing as to require more than the necessary force to hold the same in any desired open or closed position by reason of the too great elasticity and smoothness of said rubber or cork. Being elastic, the former is bulged and pressed, so that it soon is drawn from its socket and the latter is broken in pieces by direct pressure after a short use. By presenting my wooden section with the end of the grain to the window-casing, I provide a surface that, though it may become worn, always presents a surface adapted to take a firm hold and cannot be bulged or split by direct pressure, on account of its fitting the iron casing.

It will be noticed that my entire device comprises only three pieces, and that two of them are not only adapted to perform double functions, but are, in addition to that advantage, capable of being cast in one piece. To be more specific, the bolt-case comprises in one piece attaching-flanges and a semicircular housing for the bolt, said housing having a single end wall, the opposite end being open and its interior surface being adapted to form a bearing for the detached section, and by means of the diagonal slot, with or without the interior male thread, to reciprocate the bolt and independent section, and yet with all these appliances the case can be molded and cast without a core and in a single piece, whereby the expense of manufacturing is greatly reduced, and so, also, with reference to the rear



section of the bolt. By my construction the handle can be cast integral therewith and yet be introduced into the housing by reason of its being bottomless, and by reason of the flattening of the end of the operating lever, which, when introduced into the diagonal slot, is then turned a quarter-circle, which brings the parts into operative position. These advantages, though simple in themselves, are of great value, because they reduce the first cost of the article and render it simple in construction and operation.

I do not wish to be understood as limiting myself to the use of a wooden section so far as the novel features of the housing and integral bolt and handle are concerned, because other than wooden sections can be used therewith.

I do not claim, broadly, a diagonally-slotted casing, nor the mere use of a wooden section; but

What I do claim as new, and desire to secure by Letters Patent, is—

1. In a sash-holder, the bottomless diagonally-slotted housing, in combination with the bolt having an integrally-cast flat lever.

2. The sash-holder comprising three unattached elements—viz., an integral bolt and lever, an integral flanged diagonally-slotted housing, and an integral independent bolt-section adapted to be detachably arranged in operative position.

3. As an article of manufacture, the sash-holder comprising a diagonally-slotted bottomless case, a bolt adapted to be operated therein, and a separate independent detached wooden section fitting and held in operative position solely by the said case, substantially as shown and described.

SAMUEL S. WATERHOUSE.

Witnesses:

SAML. P. HANSON,

G. MORGAN ELDRIDGE.