

*A.C. Crosby,
Jewelers' Tool.*

N^o 60,343.

Patented Dec. 11, 1866.

Fig. 1.

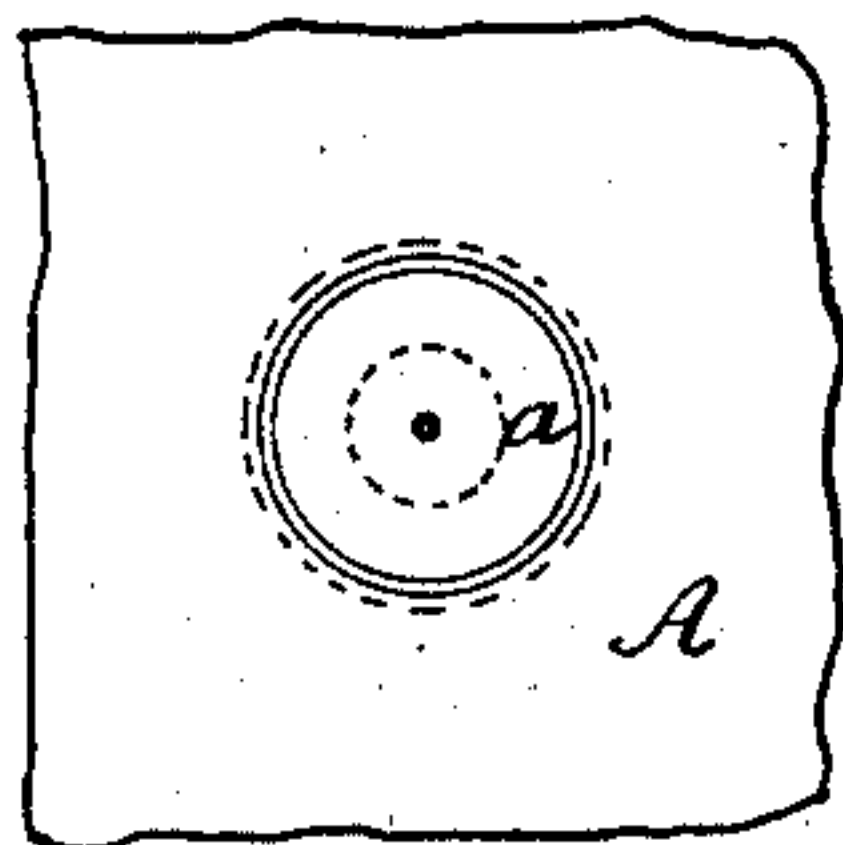
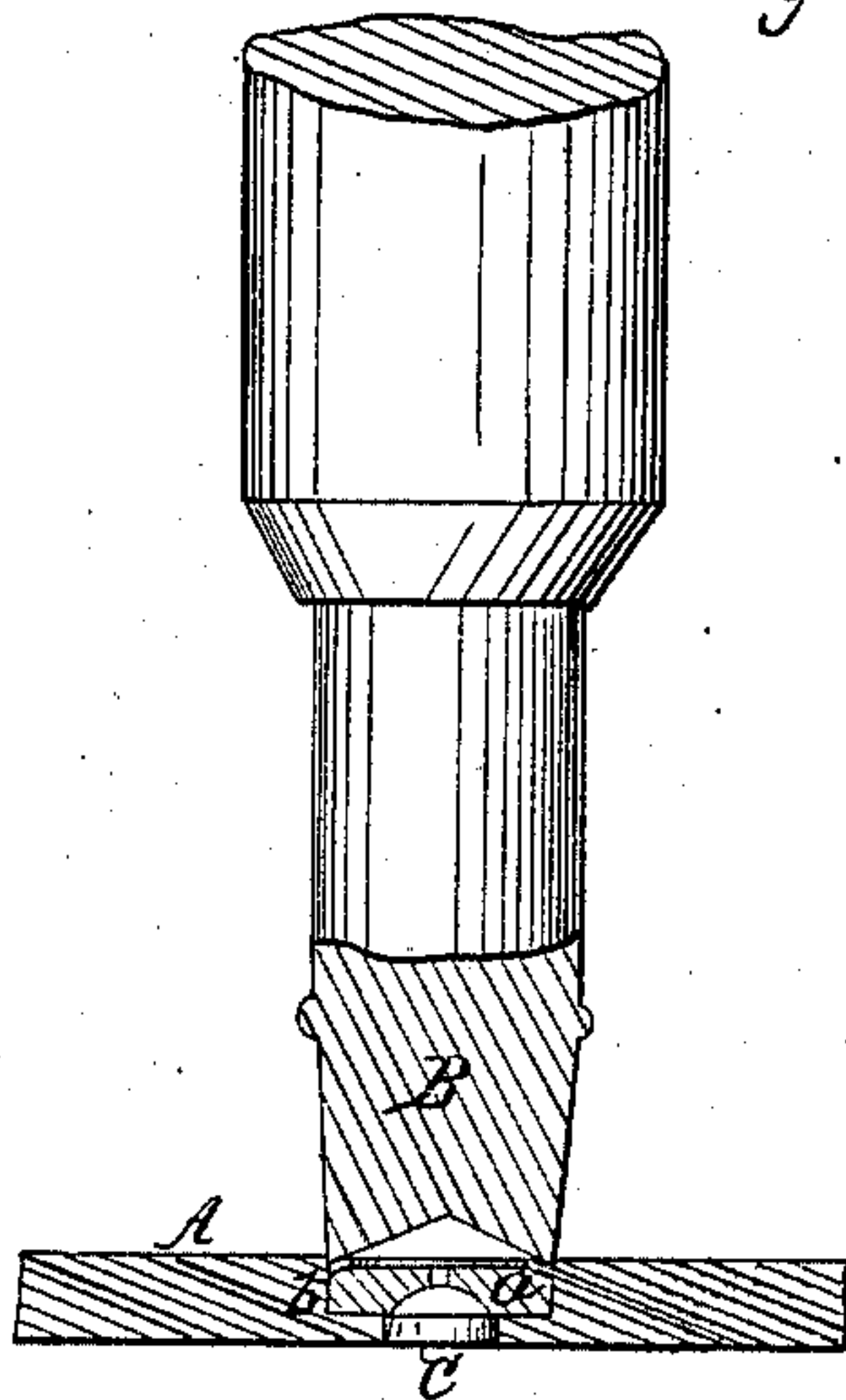


Fig. 2.



Inventor,

A. C. Crosby
Per Munn & Co
Attorneys

witnesses,

Geo A. Service

J. M. Langthorn

United States Patent Office.

IMPROVEMENT IN TOOLS FOR SETTING JEWELS IN WATCHES.

A. C. CROSBY, OF UNION, PENNSYLVANIA.

Letters Patent No. 60,343, dated December 11, 1866.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, A. C. CROSBY, of Union, in the county of Erie, and State of Pennsylvania, have invented a new and useful Improvement in Jewelers' Watches; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an enlarged plan or top view of a jewel inserted in a watch plate by my invention.

Figure 2, a section of the same with the implement used for setting the jewel.

Similar letters of reference indicate like parts.

This invention is designed to facilitate the setting of jewels in watch plates by avoiding the comparatively tedious burnishing operation, and forming the burr over the jewel at a single operation.

A represents a portion of a watch plate, and *a*, a jewel fitted in the plate as usual, to wit, by having an enlarged recess *b*, made at the upper part of the hole *c*, to receive the jewel, as shown in fig. 2. B represents a die or tool constructed of steel, externally of slightly conical form, and having its end made concave so as to leave an angular rim or edge all around. This die or tool should slightly exceed in diameter the diameter of the recess, *b*, in which the jewel is fitted, so that by placing the die or tool over the jewel, and pressing it down upon the plate with a gentle turning movement, first in one direction and then in the other, the edge of the recess, *b*, will be closed over the upper edge of the jewel, and the latter firmly secured in place, as shown in fig. 1. These dies or tools are made of many different sizes to suit the various sizes of jewels used. One handle only need be used, as the dies can be readily fitted in and withdrawn from it. By this improvement watches may be jeweled with the greatest facility, and by a person not possessed of great mechanical skill, as the proper placing of the die or tool over the jewel is not attended with any difficulty whatever.

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

The securing or setting of jewels in watch plates by means of a die or tool, constructed in the manner substantially as shown and described.

The above specification of my invention signed by me this 14th day of May, 1866.

A. C. CROSBY

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.