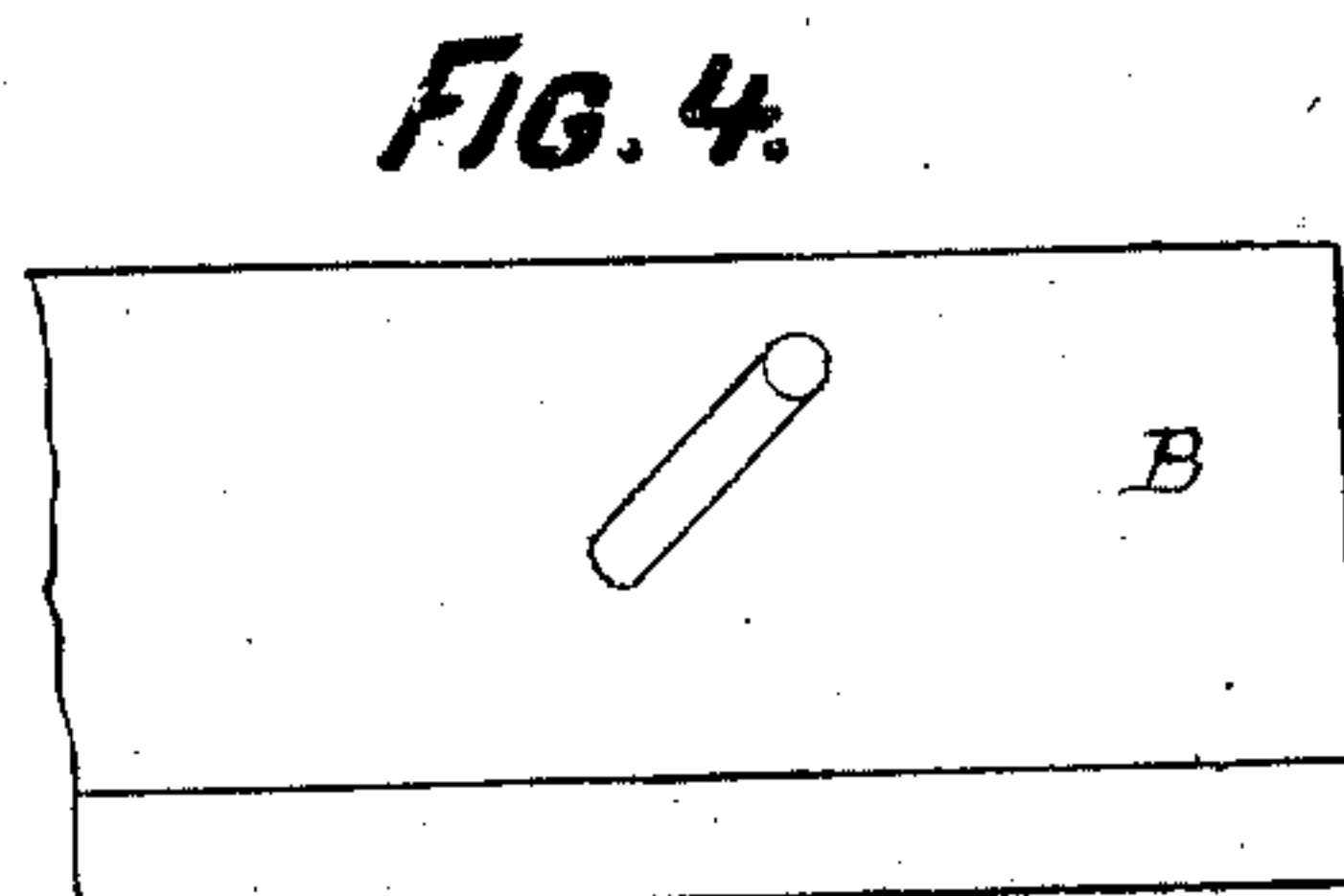
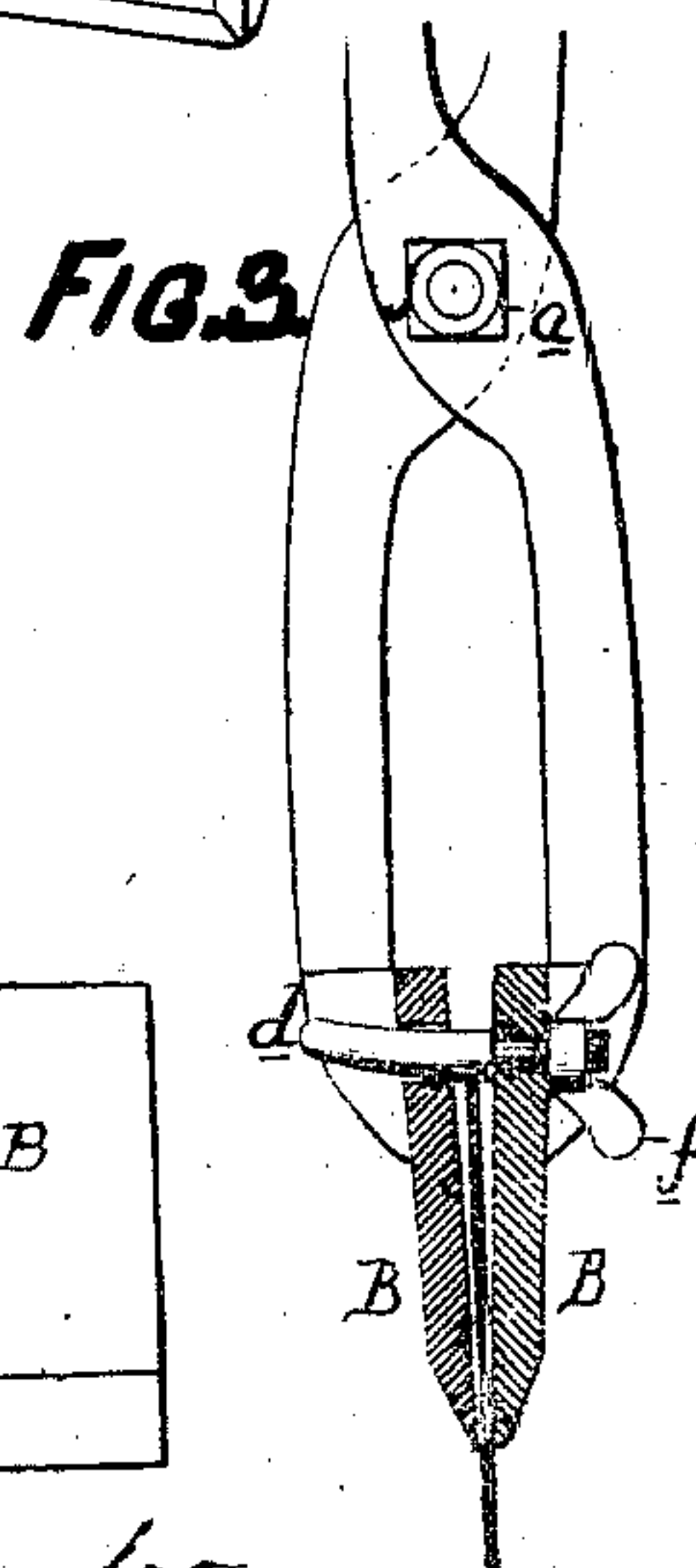
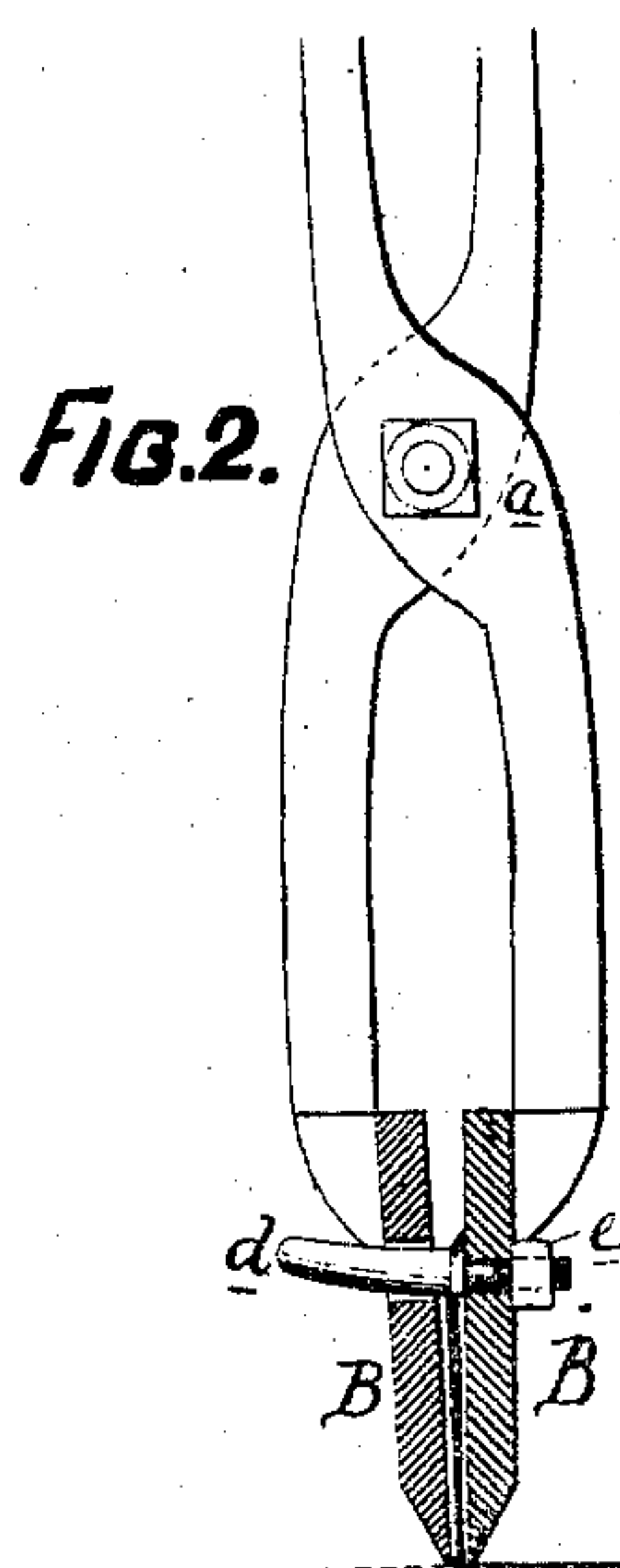
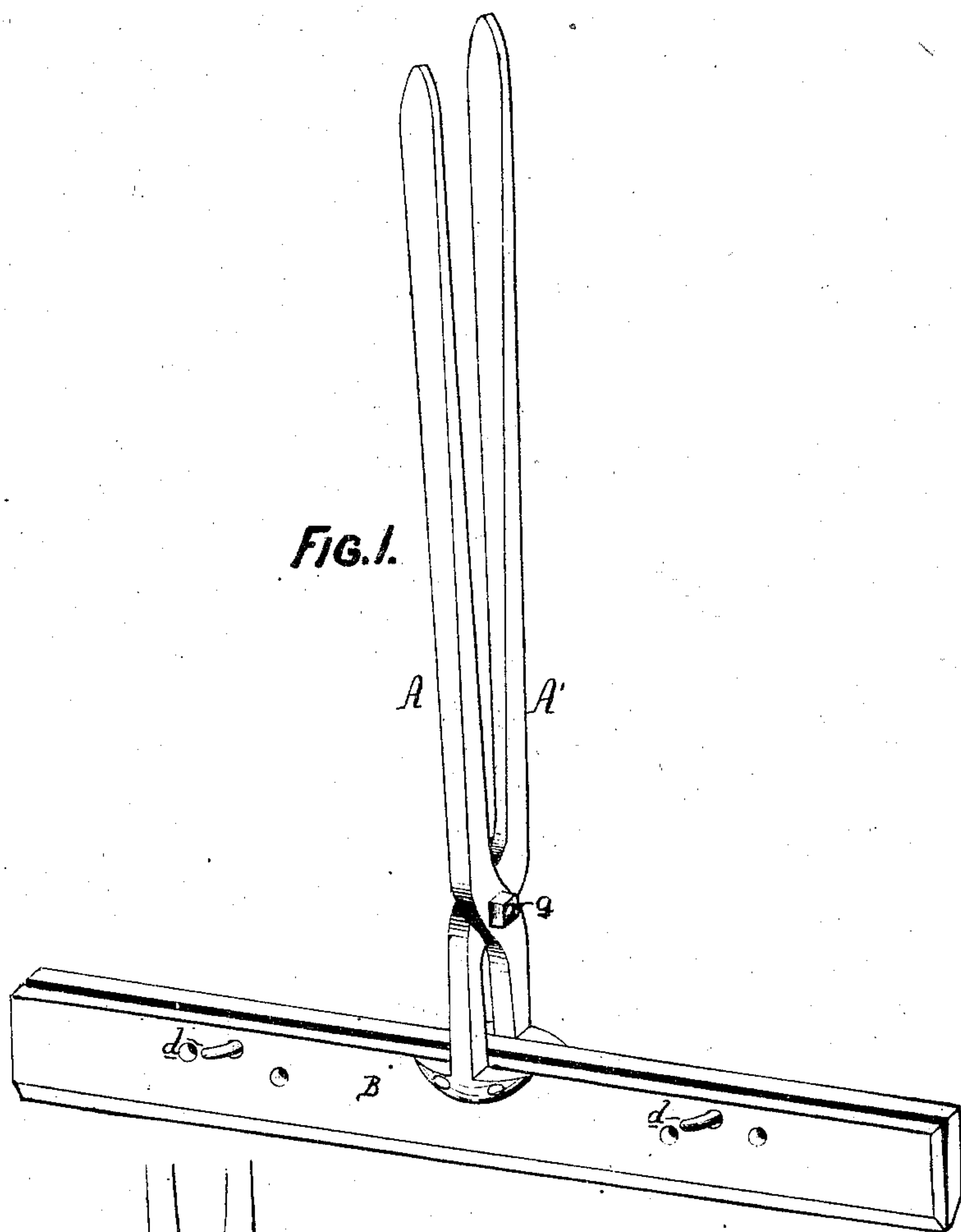


*G.E. Taylor,*

*Roofing Tongs.*

*No. 98815.*

*Patented Jan. 11. 1870.*



**WITNESSES** { *Wm. A. Allen*  
*Jos. B. Harding.*

*George E. Taylor*  
*by his Att<sup>y</sup>*  
*Stowson and Son*

# United States Patent Office.

GEORGE E. TAYLOR, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 98,815, dated January 11, 1870.

## IMPROVEMENT IN ROOFING-TONGS.

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

I, GEORGE E. TAYLOR, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Improvement in Roofing-Tongs, of which the following is a specification.

### *Nature and Object of the Invention.*

My invention relates to an improvement in the tongs used by roofers, for the purpose of turning up flanges on the edges of tinned roofing-sheets; and

My invention consists in combining, with such tongs, certain adjustable pins or stops, so that the instrument may be readily arranged to turn up flanges of different depths, and so that the multiplicity of tongs usually employed for the purpose, may be dispensed with.

### *Description of the Accompanying Drawing.*

Figure 1 is a perspective view of my improved roofing-tongs;

Figure 2, a vertical section of the lower portion of the tongs; and

Figures 3 and 4 illustrate a modification of my invention.

### *General Description.*

A and A' are the two arms of the tongs, jointed at *a*, in the usual manner, and to each arm is secured a plate, B, the two plates serving to turn up the edges of the tinned roofing-sheet *x*.

In ordinary tongs of this class, there are fixed pins or stops in one plate, projecting through holes in the other plate, these pins determining the extent to which the edges of the roofing-sheets have to be turned up; hence, as deeper flanges have to be formed, in some instances, than in others, the roofer must furnish himself with a number of tongs, having pins or stops at different distances from the lower edges of the plates B and B'.

In my improved tongs, I avoid this expense, by so securing two or more pins or stops to one of the plates,

that they can be readily detached and fitted to any one of a number of holes in the said plate, the said holes being at different distances from the lower edge of the same, and the opposite plate being provided with similar coinciding holes, through which the pins may project.

Thus, in figs. 1 and 2, each plate B has a set of three holes on each side of the arms of the tongs, the three holes of each set being at different distances apart from the lower edge of the plate, and the holes of one plate coinciding with those of the other.

The pin *d* is provided with a collar, bearing against the inside of one of the plates, and with a nut, bearing on the opposite side of the same plate, so that on removing the nut, the pin may be detached from one hole, fitted to another, and there confined by the nut.

In figs. 3 and 4, the plates B B are provided with diagonal slots, the pins being secured, by a thumb-nut, *f*, to the slots of one plate, and passing freely through the coinciding slots of the opposite plate, so that the pins admit of the desired adjustment to and from the lower edges of the plate.

It will be evident, without further description, that my improved tongs may be readily adjusted for turning up flanges of different depths on the edges of roofing-sheets, and consequently, that a supply of ordinary tongs, with a different arrangement of fixed stops, may be dispensed with.

### *Claim.*

The combination, with roofing-tongs, of adjustable pins or stops, substantially in the manner described.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

GEORGE E. TAYLOR.

Witnesses:

JOHN WHITE,  
LOUIS BOSWELL.