

J. S. McKINLEY & H. BROWN.

CLAMPING TOOL.

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991,628.

Patented May 9, 1911.

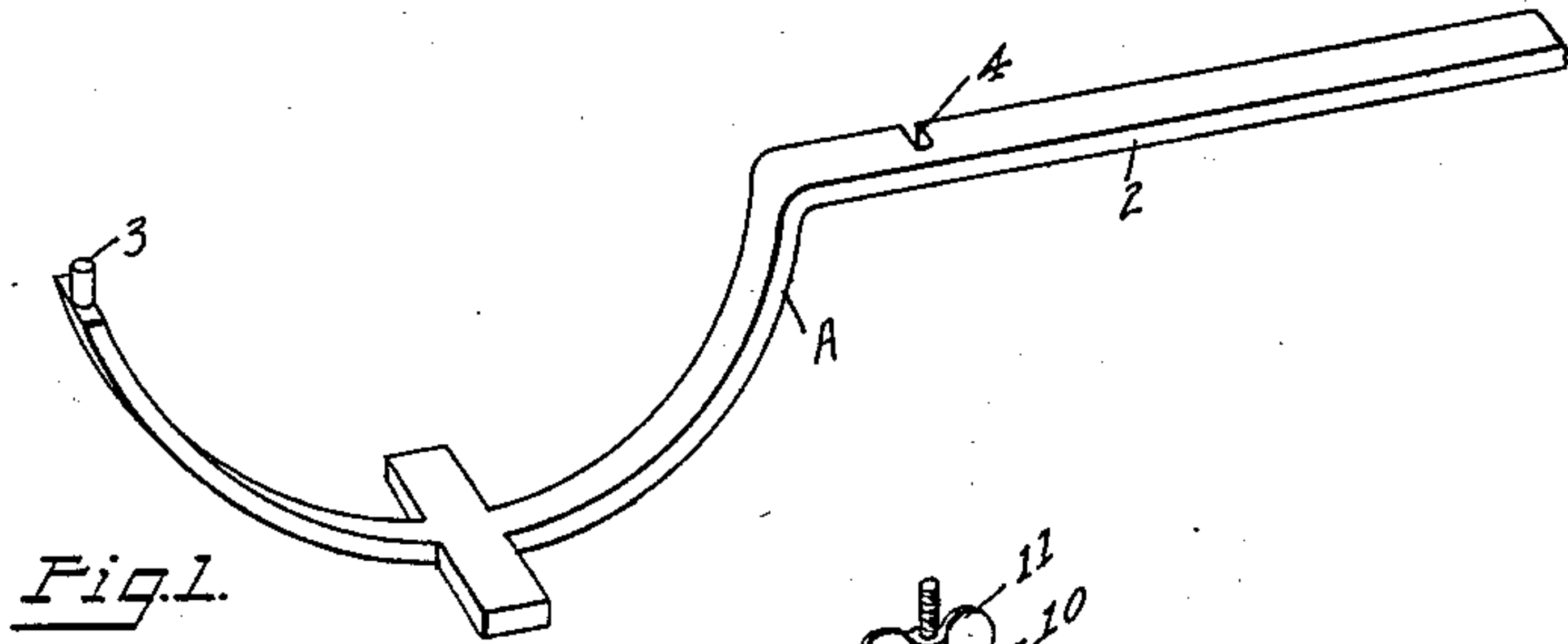


Fig. 1.

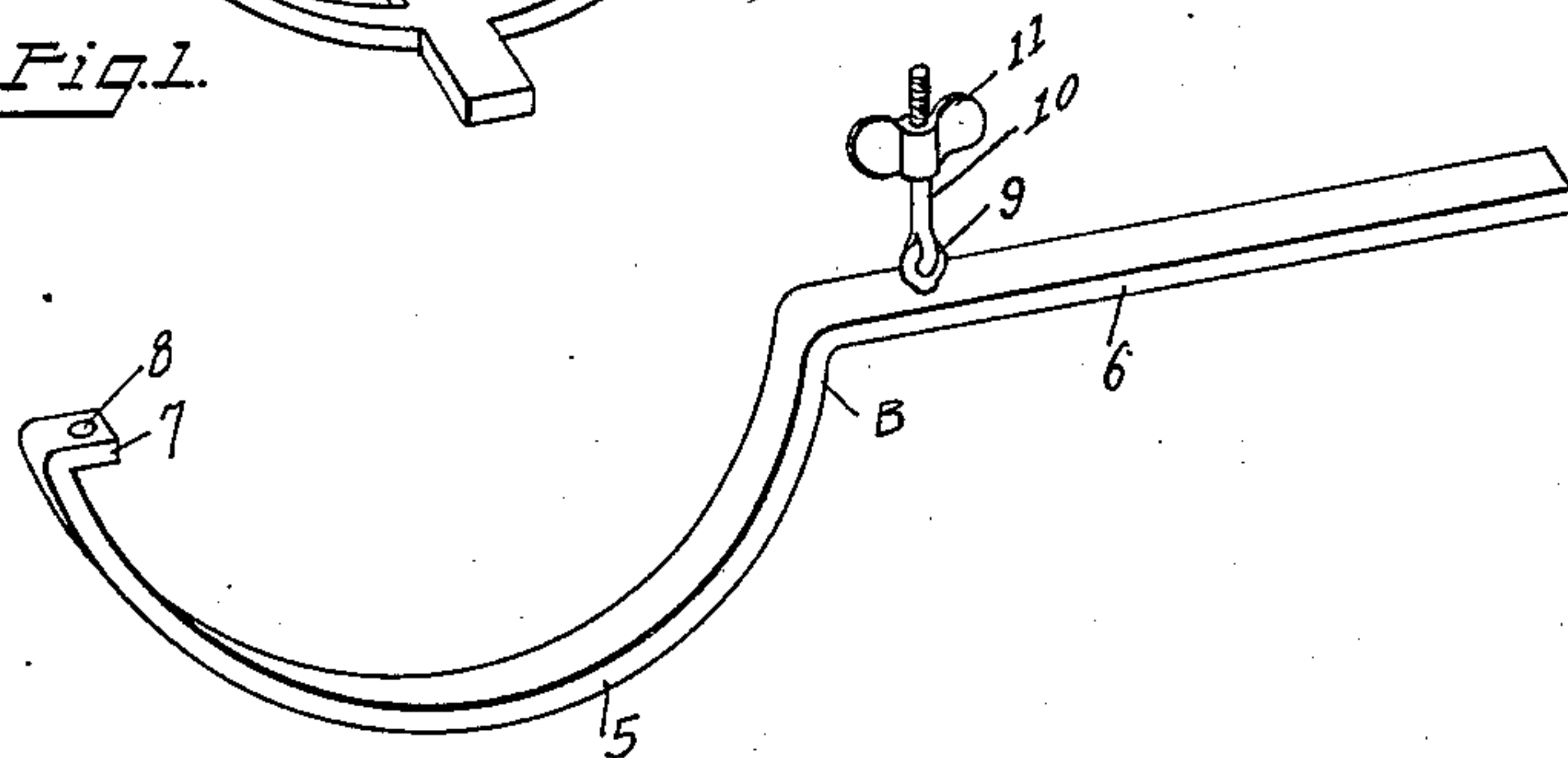


Fig. 2.

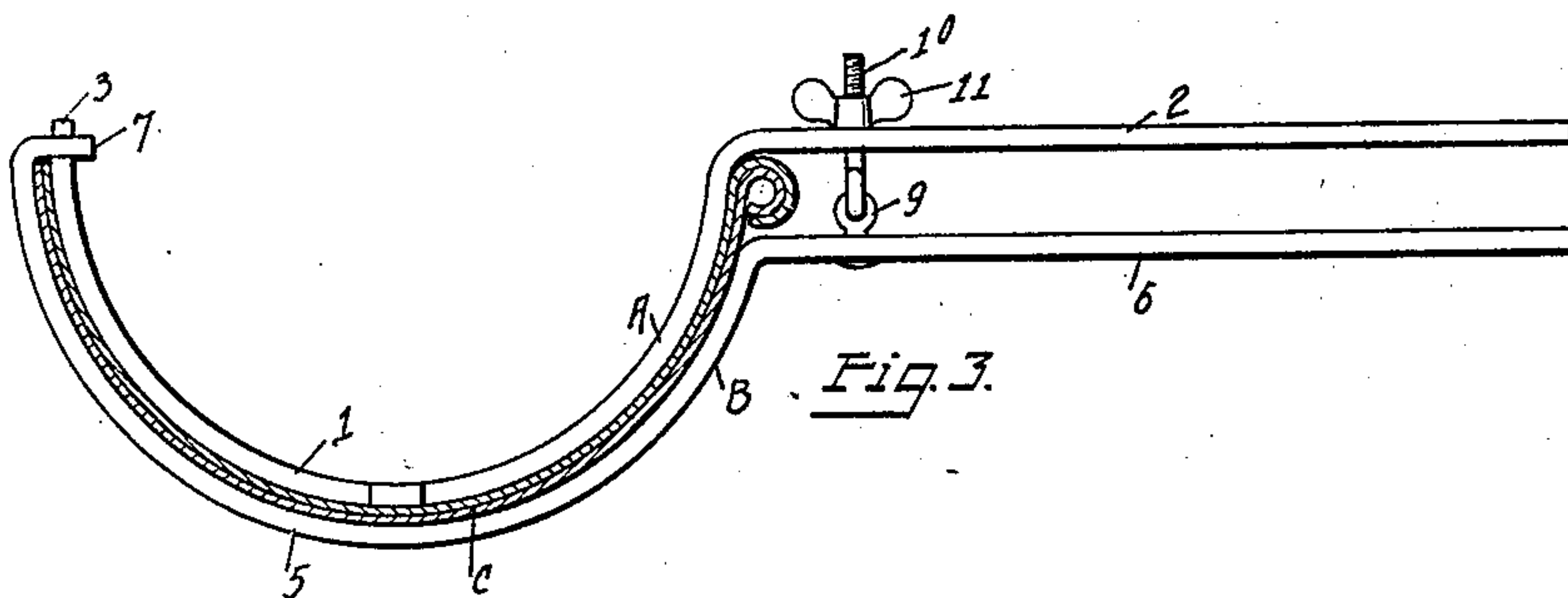


Fig. 3.

Witnesses  
A. L. Phelps  
Thos. G. Caywood

Inventors  
Jeremiah S. McKinley.  
Hayes Brown.

By *C. Shepherd*  
Attorney

# UNITED STATES PATENT OFFICE.

JEREMIAH S. McKINLEY, OF ORIENT, AND HAYES BROWN, OF HARRISBURG, OHIO;  
SAID BROWN ASSIGNOR TO SAID McKINLEY.

## CLAMPING-TOOL.

991,628.

Specification of Letters Patent.

Patented May 9, 1911.

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*To all whom it may concern:*

Be it known that we, JEREMIAH S. McKINLEY and HAYES BROWN, citizens of the United States, residing, respectively, at Orient and Harrisburg, in the counties of Pickaway and Franklin, respectively, and State of Ohio, have invented certain new and useful Improvements in Clamping-Tools, of which the following is a specification.

This invention relates to certain novel and useful improvements in clamping tools adapted particularly for the use of tinner, or other persons employed in erecting spouting of tin, galvanized iron or similar material, which requires the use of solder in joining the parts together.

In carrying out our invention, we aim to provide a clamping tool so constructed as to hold the ends of lengths or parts of spouting together during the process of soldering, especially when the soldering is being done on a trough at the eaves of a building.

A further object of our invention is to provide a simple, cheap and efficient tool of the class described, which may be manipulated by hand and which may be readily assembled in position to support the spouting.

With the above recited objects and others of a similar nature in view, our invention consists in the construction, combination and arrangement of parts set forth in and falling within scope of the appended claims.

In the accompanying drawings—Figure 1 is a view in perspective of one of the parts or members of a clamping tool embodying our invention, Fig. 2 is a similar view of the companion part of the clamp, and Fig. 3 is a view in side elevation showing the members assembled in position for holding the spouting, which spouting is shown in section.

Referring now to the accompanying drawings in detail, the letter A designates the upper member of the clamp as a whole, said member comprising in the present instance the curved spout supporting section 1 and the straight handle section 2, preferably formed integral with the curved section 1. At the end of the section 1, we provide a short stud 3, adapted for the purpose hereinafter described, while at a suitable point along the straight or handle section 2 is a slot 4.

The companion member of the clamp is shown in Fig. 2 and is indicated as an entirety by B, said member, as in the case of

the member A, comprising the curved section 5 and the straight section or handle portion 6. The free end of the section 5 is bent inwardly at an angle as shown at 7, to form a lug, having a perforation 8 therein, which is adapted to receive the stud 3 when the parts are assembled as shown in Fig. 3. At a suitable point along the handle, we provide an eye 9 which is adapted to have fastened thereto a threaded bolt 10 having a nut 11 thereon. In Fig. 3 the spouting is indicated at C.

By reference to Figs. 1 and 3, it will be seen that the curved section of the member A is provided with a cross bar *a* about midway of said curved portion, this bar forming a flattened surface, so that the spouting may be held firmly and steadily in the operation of soldering.

From the above description, taken in connection with the accompanying drawings, the construction and operation of our improved device, will be readily apparent.

When it is desired to solder parts of spouting together, the ends are overlapped in the ordinary manner, the part B of the clamp placed under or on the outside of the spouting of the overlapping ends and the part A is placed on top or in the inside, so that the stud 3 on the part A projects through the perforation 8 in the lug 7. The handle sections which now lie approximately parallel, are fastened together by the bolt 10, which lies in the slot 4, the parts being adjustably secured through the nut 11.

It will be noted that we have provided an exceedingly simple yet convenient form of tool and one which may be easily manipulated by the operator, which feature is especially desirable in working on the edges of buildings or other high places.

What we claim, is—

1. A device of the class described comprising two members, one of said members comprising a curved portion having a cross bar at the center thereof and a handle formed integral with and extending from the curved portion, the free end of said curved portion having a projection formed thereon, the second member of the device comprising a curved portion having a handle portion formed integral with and extending therefrom, the free end of the second curved portion being turned inwardly and provided with an opening adapted to receive the pro-



jection on the first mentioned member and the curved sections being concentrically arranged relative to each other when the device is assembled.

5 2. A device of the class described, comprising two separable spout engaging members, each having a curved section and a handle section formed integral with the curved section, said curved sections being  
10 concentrically arranged relative to each other when the device is assembled, a perforated lug extending inward from the free end of one of said curved sections, and a stud on  
15 the other curved section adapted to project through the perforation of the lug when the parts are assembled.

3. A device of the class described com-

prising two members each having a curved section and a handle section, one of said members having a perforated lug at the end thereof, a stud at the end of the curved section of the companion member adapted when the parts are assembled to project through the perforation of the lug, and a bolt and slot connection for connecting the straight sections of the members. 25

In testimony whereof we affix our signatures in presence of two witnesses.

JEREMIAH S. McKINLEY.  
HAYES BROWN.

Witnesses:

E. G. STONE,  
E. H. PARKS.

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