

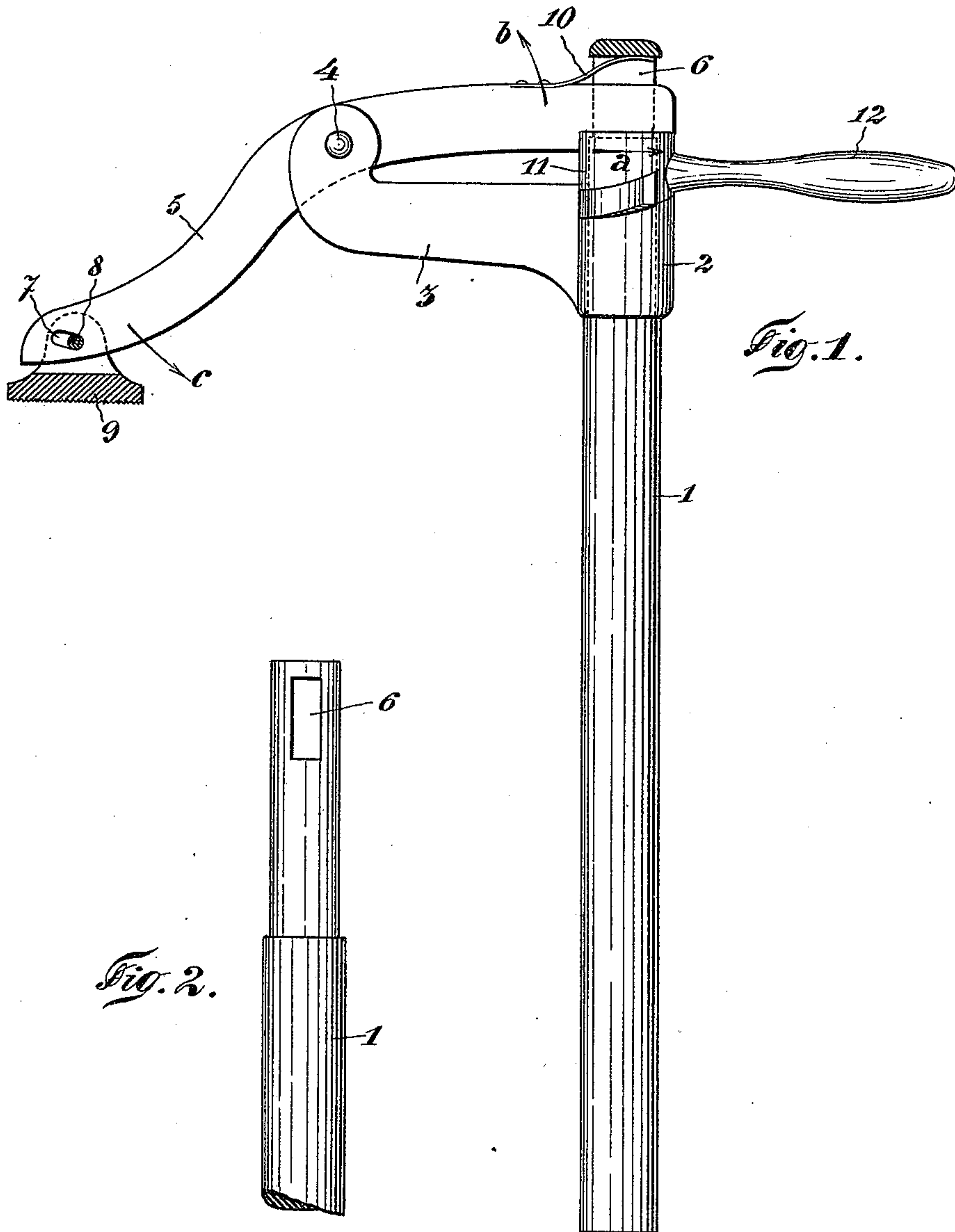
No. 641,886.

Patented Jan. 23, 1900.

F. PLANQUE.  
HOLDFAST.

(Application filed Nov. 7, 1899.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANCIS PLANQUE, OF FERREYRES, SWITZERLAND.

## HOLDFAST.

SPECIFICATION forming part of Letters Patent No. 641,886, dated January 23, 1900.

Application filed November 7, 1899. Serial No. 736,109. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS PLANQUE, merchant, a citizen of the Republic of Switzerland, residing in Ferreyres, Switzerland, have  
5 invented certain new and useful Improvements in Holdfasts, of which the following is a specification.

The invention consists in an improved holdfast to affix a piece of wood on a joiner's bench  
10 without any necessity of knocking with a hammer upon the head of the holdfast.

The accompanying drawings show by way of example one form of execution of the invention.

15 Figure 1 is an elevation of the complete holdfast. Fig. 2 is a view from the right to the left of Fig. 1 of the upper portion of the rod or shank of the holdfast shown in Fig. 1 after taking off the other portions of the  
20 latter.

The rod or shank of the holdfast is composed of a cylindrical iron bar having at its top a reduced cylindrical portion of smaller diameter than the rod itself and a rectangular opening 6, which crosses diametrically the  
25 head of this top portion. Upon this latter portion there is engaged a socket 2 of an arm 3, to which is hinged, by means of a pivot 4, the main lever 5 of the holdfast. One of the  
30 ends of the lever 5 is engaged in the opening 6, which is intended to guide the said end, and the other end of said lever 5 is provided with an elongated opening 7, in which is engaged the pivot 8 of the shoe 9, intended to  
35 rest upon the piece of wood to be fastened upon the bench. The opening is so formed and placed that when being abandoned to itself the shoe 9 returns by its own weight to the position shown in Fig. 1. An antagonist  
40 spring 10, fixed to the lever 5 and resting

against the upper wall of the opening 6, tends to raise the shoe 9.

Between the socket 2 of the arm 3 and the upper end of lever 5 is lodged the socket 11 of the hand-lever 12, intended to be used for  
45 causing the wedging of the lever 5 upon the piece of wood which is to be fastened upon the bench. This wedging or fastening is obtained by means of corresponding inclined  
50 planes formed on the one hand upon the socket 2 and on the other hand underneath the socket 11, as shown in Fig. 1. On turning the handle 12 in the direction shown by arrow  
a the top end of the lever 5 is raised as shown by arrow b, and from this results a pression  
55 on the pivot 8 of the shoe 9, as shown by arrow c.

Having thus described my invention, I claim—

An improved holdfast, characterized by the  
60 combination of a rod or shank 1 with a rotative arm 3 to which is hinged a lever 5 bearing a shoe 9, connected to said lever 5 by means of a pivot 8 playing in an inclined slot  
7 of said lever 5 so as to automatically lower  
65 the shoe 9 when abandoned to itself and with a hand-lever 12 pivoted to the rod or shank 1 between the lever 5 and arm 3 and provided with suitable wedges or inclines for causing  
70 the said lever 5 to press upon the shoe 9 when suitably rotated substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

FRANCIS PLANQUE.

Witnesses:

E. IMER-SCHNEIDER,  
L. H. MUNICH.