

No. 850,280.

PATENTED APR. 16, 1907.

H. M. WALKER.
SAW HANDLE.

APPLICATION FILED OCT. 2, 1906.

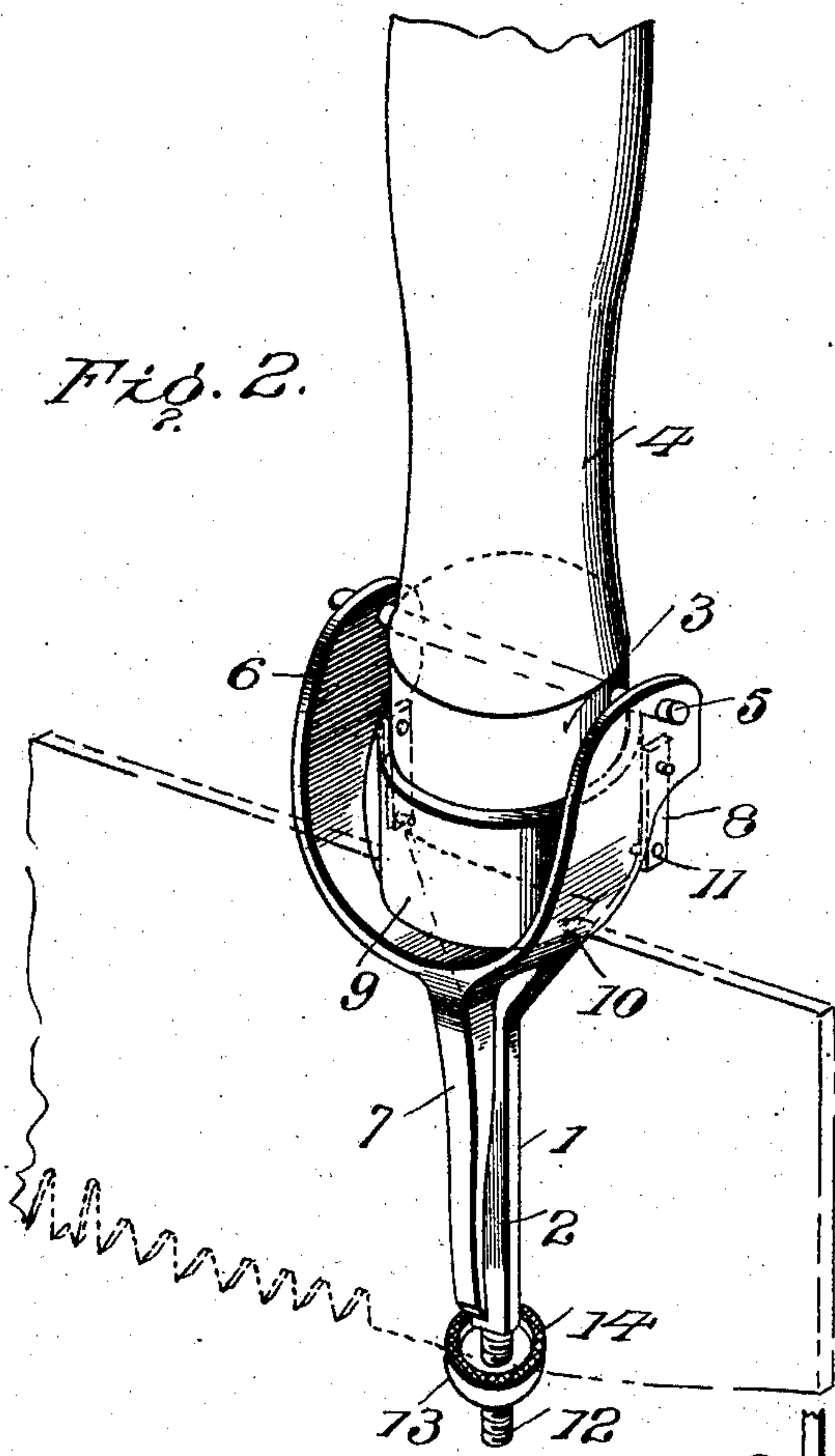
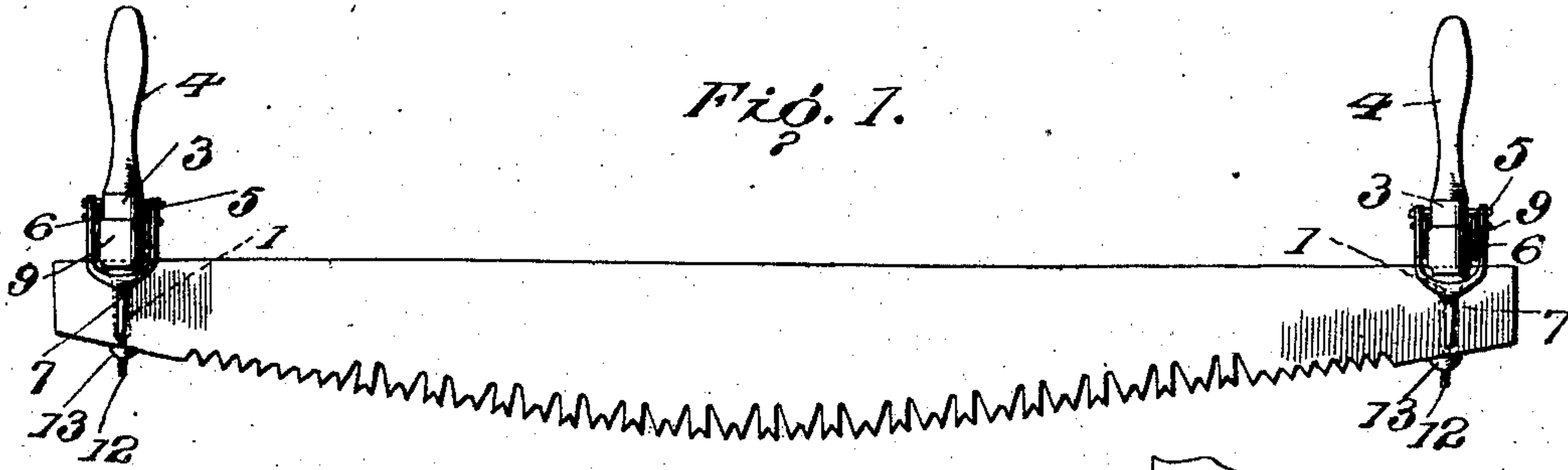


Fig. 3.

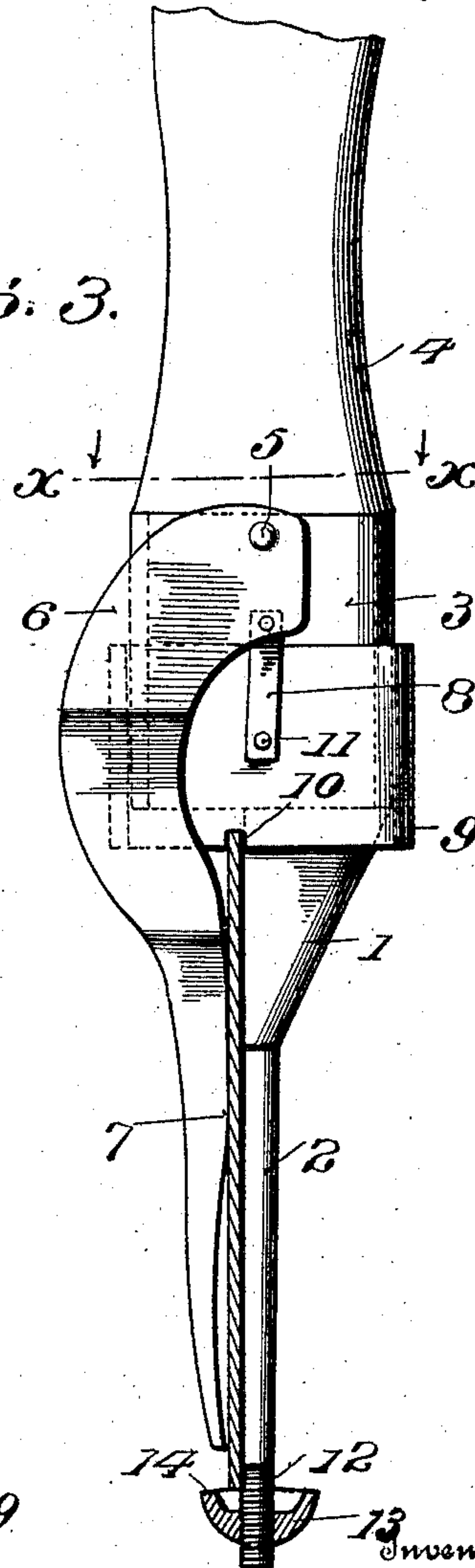
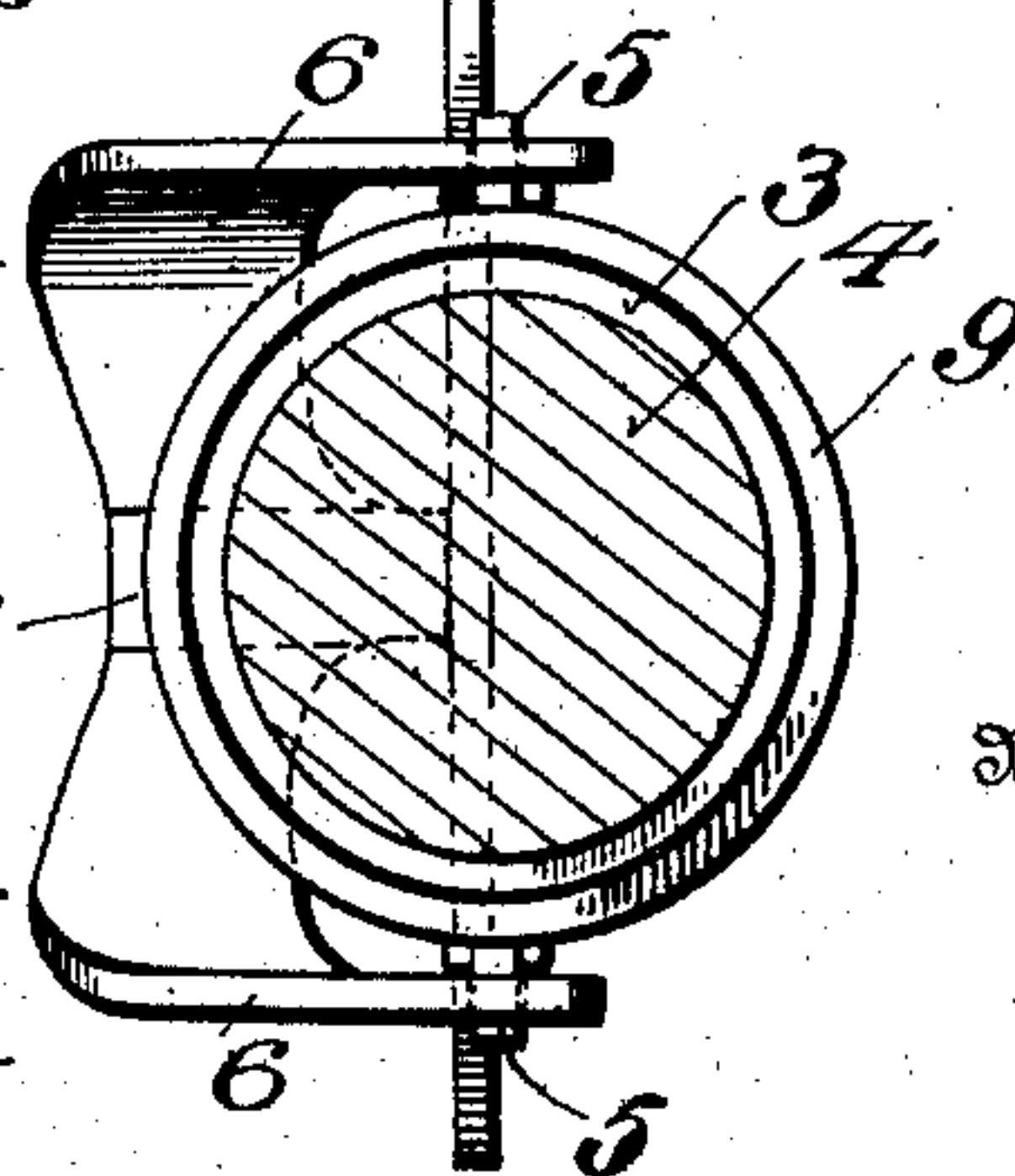


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRY M. WALKER, OF BUTTERWORTH, VIRGINIA.

SAW-HANDLE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HARRY M. WALKER, a citizen of the United States, residing at Butterworth, in the county of Dinwiddie and State of Virginia, have invented certain new and useful Improvements in Saw-Handles, of which the following is a specification.

The object of my invention is to provide an improved saw-handle, particularly designed for crosscut-saws, which will embody few and simple parts, that will be durable in construction and efficient in operation to hold the handle tightly on the saw-blade, while at the same time the construction and arrangement of the parts provide that the handle may be readily detached and as quickly applied whenever desired.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a side elevation of a saw-blade with handles attached thereto, the handles embodying the improvements of my invention. Fig. 2 is a perspective view of one of the handles. Fig. 3 is a side elevation of one of the handles, the saw-blade being shown clamped thereto and in section. Fig. 4 is a horizontal sectional view on the line $x x$ of Fig. 3.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings the numeral 1 designates the body of the saw-handle, which comprises a stem or shank 2, preferably widened or thickened at one end and preferably integrally formed at such end with a cylindrical extension 3, constituting a socket for the wooden handle 4.

The handle 4 is preferably held in the socket 3 by means of a rivet or pin 5, which extends therethrough and through the cylindrical extension forming the socket. The ends of said pin project slightly to provide pintle-bearings for the bifurcated end 6 of a lever 7. The end 6 of said lever embraces the cylindrical extension 3, as shown, and is secured, by means of two opposite links 8, to a clamping-collar 9, surrounding and mounted to slide upon the cylindrical extension 3. This collar 9 is provided with two diametrically opposite grooves or notches 10 in its

lower edge, said notches being designed to receive the upper edge of the saw-blade, and the said collar is connected to the links 8, preferably by integral studs 11.

The lower end of the stem or shank 2 is threaded, as indicated at 12, and on this threaded end there is mounted a clamping-nut 13, which is slightly dished or concave on its upper face and is provided on the rim formed by the central concavity with serrations or intersecting grooves 14.

In the practical use of my improved saw-handle the end of the blade is seated against the face of the shank or stem 2, the lower edge of the blade resting securely on the nut 13 and the upper edge of the blade being preferably locked at the juncture of the lower edge of the cylindrical extension 3 with the thickened portion of the shank or stem 2. The end of the blade is thus inserted in place with the lever 7 in relatively upper position. It is then evident that by merely throwing the handle of the lever 7 down the clamping-collar 9 will be slid downwardly and clamp against the upper edge of the saw-blade, the said edge being received in the grooves or notches 10 of the said collar. It is to be particularly noted that by the construction of the lower end of the shank 2 with its threads and the nut 13 the device of my invention may be used with saw-blades of different widths or heights to securely hold the saw-blade to the handle.

From the foregoing description, in connection with the accompanying drawings, it will be seen that I have provided an improved saw-handle of very simple, durable, and efficient construction, which is adjustable, as above noted, and which may be readily clamped to and detached from the saw-blade by merely manipulating the lever 7. It is also to be noted that the grooves in the collar 9 lie substantially flush with the face of the stem 2, so that the saw-blade will be held securely against said face when clamped in position.

Having thus described the invention, what is claimed as new is—

1. The herein-described saw-handle comprising a stem provided at its lower end with a threaded portion, a slightly-dished nut adjustably mounted on said threaded portion and provided with serrations in its upper face, said stem being provided with an integral cylindrical extension constituting a socket for the handle proper, a handle in said

socket, a pin extending through the cylindrical extension and through the handle proper, to secure the latter in place, the ends of said pin projecting, the lever having a
5 bifurcated end embracing said extension and fulcrumed on the projecting ends of said pin, a collar mounted to slide on said extension and provided in its lower edge with diametrically opposite notches, and also pro-
10 vided with projecting integral studs, and links connecting said studs with the bifurcated end of the lever.

2. A device of the character described, comprising a stem adapted to lie against the
15 side face of a saw-blade, and provided at one end with a cylindrical extension constituting a socket for the handle proper, a handle in said socket, means whereby the lower end of said shank or stem may be engaged with the
20 lower edge of a saw-blade, a collar mounted to slide on the said extension and adapted to

clamp the upper edge of the saw-blade, a lever fulcrumed on said extension, and a connection between said lever and said collar, as
and for the purpose set forth. 25

3. In a device of the character described, the combination of a stem provided with a handle-socket at one end and an adjustable blade-clamping nut at its other end, a collar
30 mounted to slide upon the said socket and adapted to clamp the upper edge of the saw-blade, and a lever fulcrumed on the outer wall of the said socket and having a link connection with said collar, as and for the purpose set forth. 35

In testimony whereof I affix my signature in presence of two witnesses.

HARRY M. WALKER. [L. S.]

Witnesses:

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