

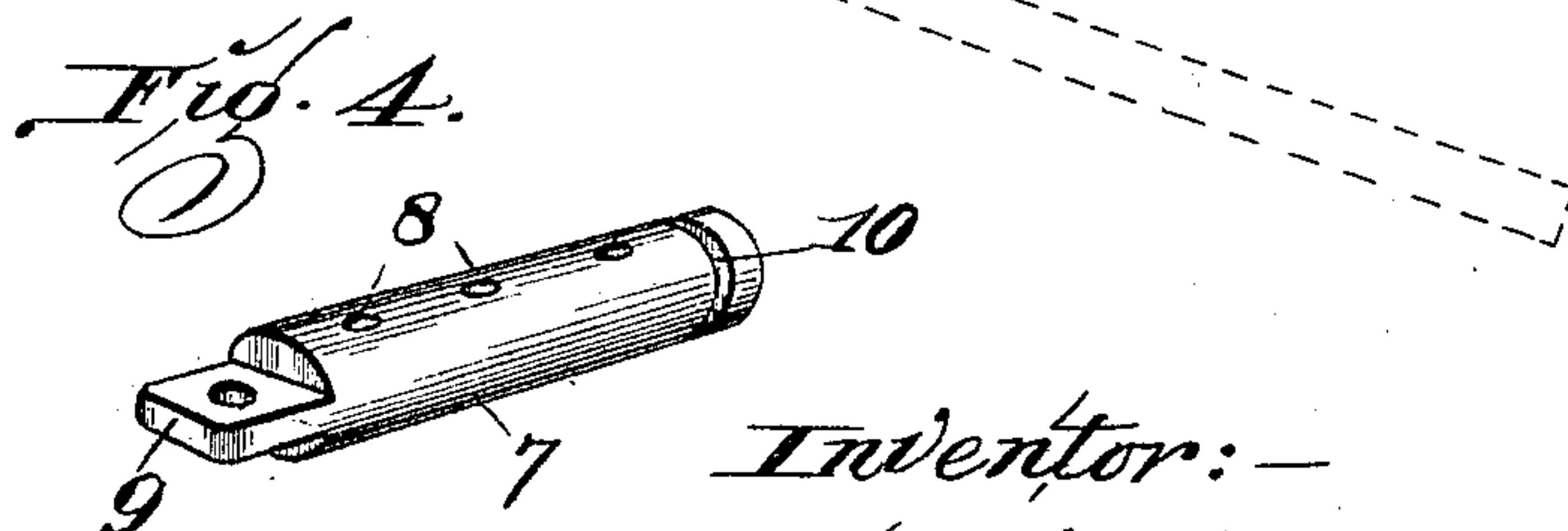
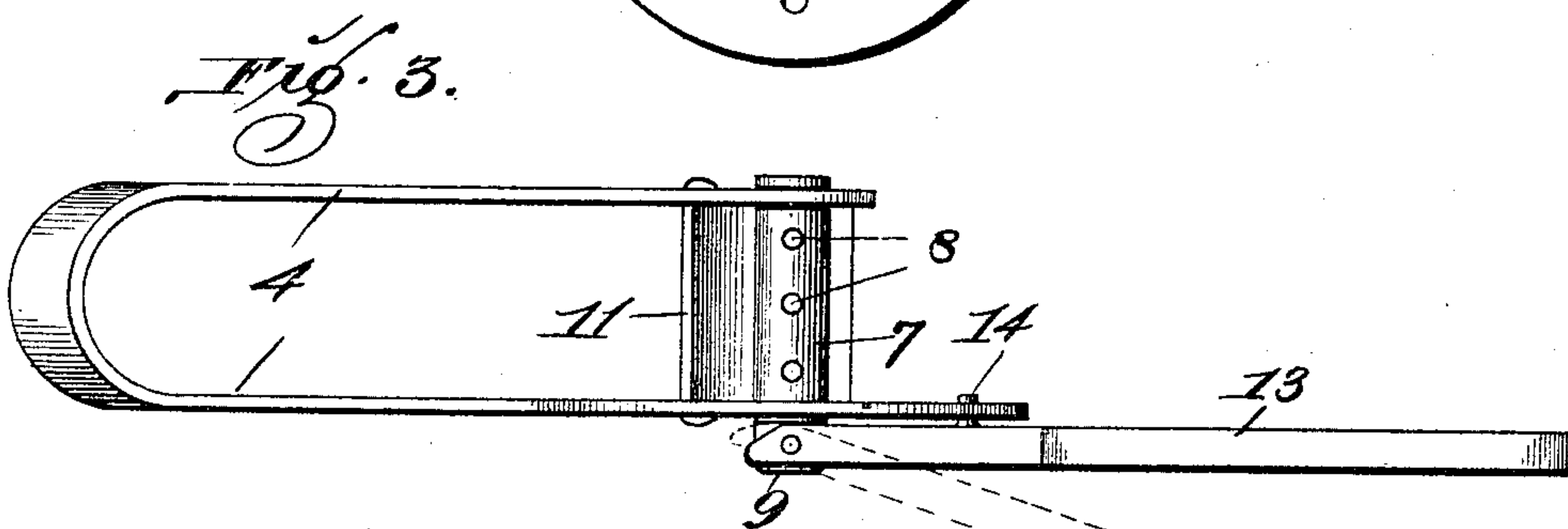
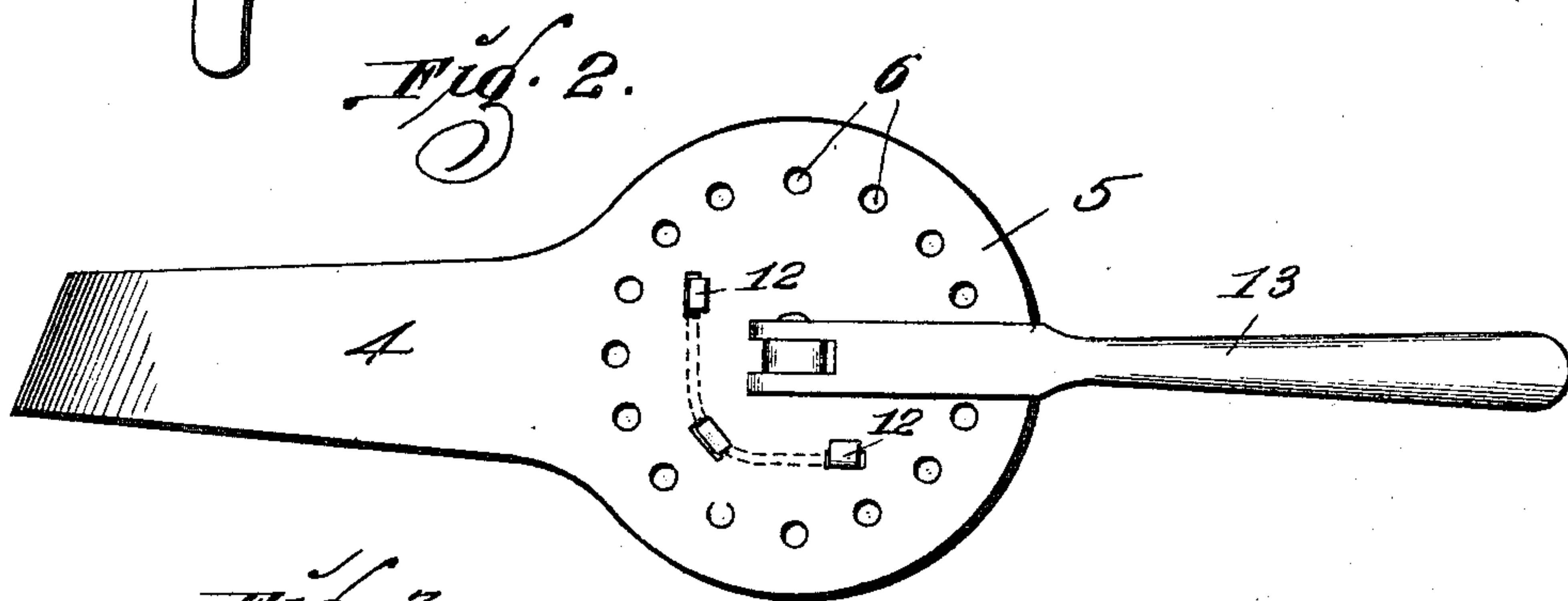
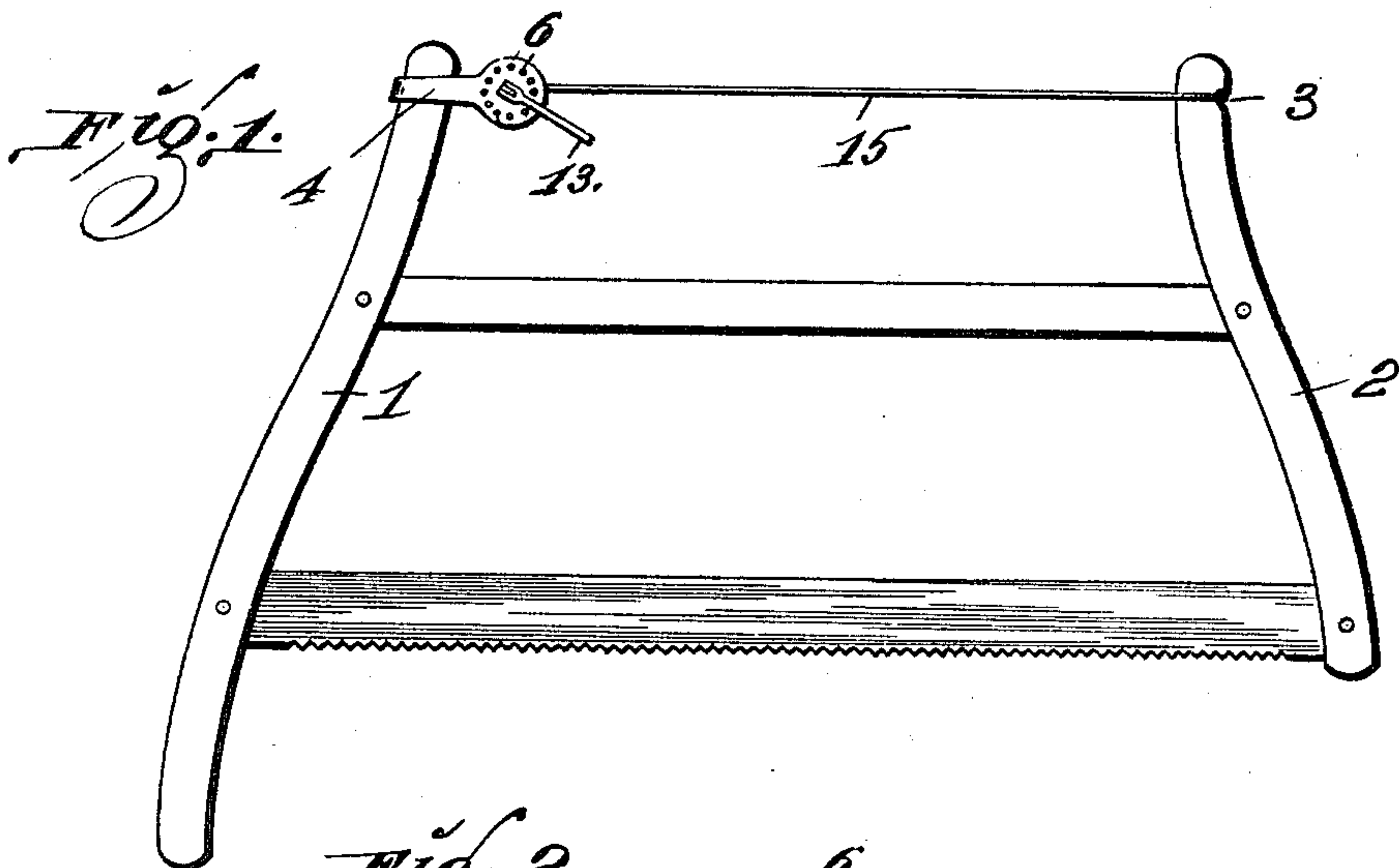
No. 632,078.

Patented Aug. 29, 1899.

A. C. WICKHAM.  
BUCKSAW.

(Application filed Jan. 3, 1899.)

(No Model.)



*attest*  
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*By Higdon & Logan, Attys.*

# UNITED STATES PATENT OFFICE.

AMOS C. WICKHAM, OF CARTHAGE, MISSOURI.

## BUCKSAW.

SPECIFICATION forming part of Letters Patent No. 632,078, dated August 29, 1899.

Application filed January 3, 1899. Serial No. 700,997. (No model.)

*To all whom it may concern:*

Be it known that I, AMOS C. WICKHAM, of the city of Carthage, Jasper county, State of Missouri, have invented certain new and useful Improvements in Bucksaws, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates generally to bucksaws, and more particularly to means for imparting a proper tension to the saw-blade while the saw is in use; and it consists of the novel construction, combination, and arrangement of parts hereinafter described and claimed.

Figure 1 is a side elevation of a bucksaw of my improved construction. Fig. 2 is a side elevation of the winding device that is applied to the upper end of the handle of the saw. Fig. 3 is a plan view of this device. Fig. 4 is a view in perspective of the sheave in the winding device.

Referring by numerals to the accompanying drawings, 1 indicates the handle of a bucksaw-frame, and 2 the member of the frame opposite from said handle, and in the outer edge of the upper end of said member 2 is formed a notch 3.

4 indicates a suitable metallic U-shaped loop, one end of which loop is provided with an integral disk 5, in which is formed a continuous row of apertures 6. Rotatably arranged in horizontally-aligned apertures formed in the ends of the loop 4 is a shaft 7, through which passes a plurality of apertures 8, and formed integral with the end of said shaft that passes through the disk 5 is a tongue 9, there being a groove 10 formed in the opposite end of said shaft 7, which operates in the aperture formed in the end of the loop 4 opposite from the end that is provided with the disk 5.

Arranged between the ends of the U-shaped loop 4 and partially inclosing the shaft 7 is a segmental guard 11, which also performs the function of a brace, there being lips 12 formed integral with the ends of said guard, which pass through suitably-located slots in the ends of the loop 4.

Pivotally held upon the tongue 9 is one end of a handle 13, from the inner face of which handle projects a pin 14, the same being intended to pass into any one of the apertures 6.

The loop 4 is located upon the upper end of the saw-handle 1, with the ends of said loop

extending toward the upper end of the member 2, and a suitable length of wire 15 is looped around the upper end of said member 2 in the notch 3, the end or ends of said wire being passed through the apertures 8 in the shaft 7.

When it is desired to apply tension to the saw-blade, the operator engages the handle 13 and moves the same outwardly into the position shown by dotted lines in Fig. 3 and by means of the same rotates the shaft 7, thereby winding up a portion of the wire 13, which action necessarily draws the upper ends of the members 1 and 2 of the saw-frame together. When the shaft 7 has been so rotated as to give the saw-blade the desired tension, the handle 13 is moved inwardly into parallel alinement with the U-shaped loop 4, and in so doing the pin 14 is passed into one of the apertures 6. The pull or tension of the wire 15 will tend to lock the handle 13 in this position, and the saw is now ready for use.

A device of my improved construction is simple, strong, and durable, applicable for all bucksaw-frames, and by its use the proper tension may be very readily applied to the saw-blade.

I claim—

1. In a bucksaw, a loop removably located on the upper end of the saw-frame handle, one of the ends of said loop being enlarged and provided with a continuous row of perforations, a shaft rotatably arranged in the ends of said loop, a handle pivotally held upon one end of said shaft, and a pin integral with said handle for engaging in the perforations, substantially as specified.

2. In a bucksaw, a U-shaped loop removably located upon the upper end of the bucksaw-handle, one of the ends of said loop being enlarged and provided with a continuous row of perforations, a guard fixed to and arranged between the ends of said loop, a shaft rotatably arranged in the ends of said loop, in which shaft is formed a plurality of perforations, a handle pivotally held upon one end of said shaft, and a pin integral with said handle for engaging in the perforations, substantially as specified.

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

AMOS C. WICKHAM.

Witnesses:

EDWARD E. LONGAN,  
ALBERT J. MCCAULEY.