

No. 846,964.

PATENTED MAR. 12, 1907.

J. TORS.

CROSSCUT SAW GUARD AND HANDLE CONNECTION.

APPLICATION FILED JUNE 23, 1906.

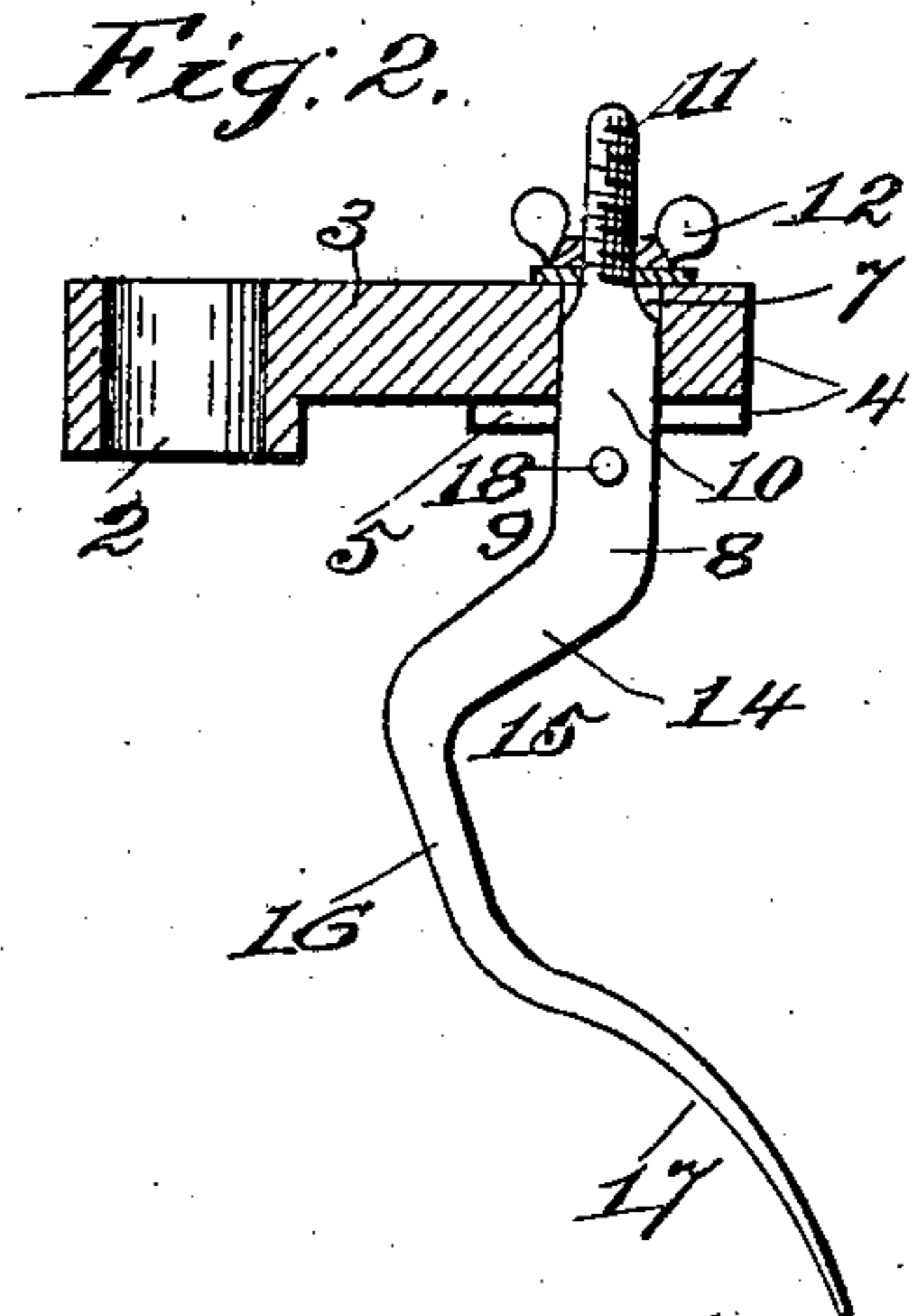
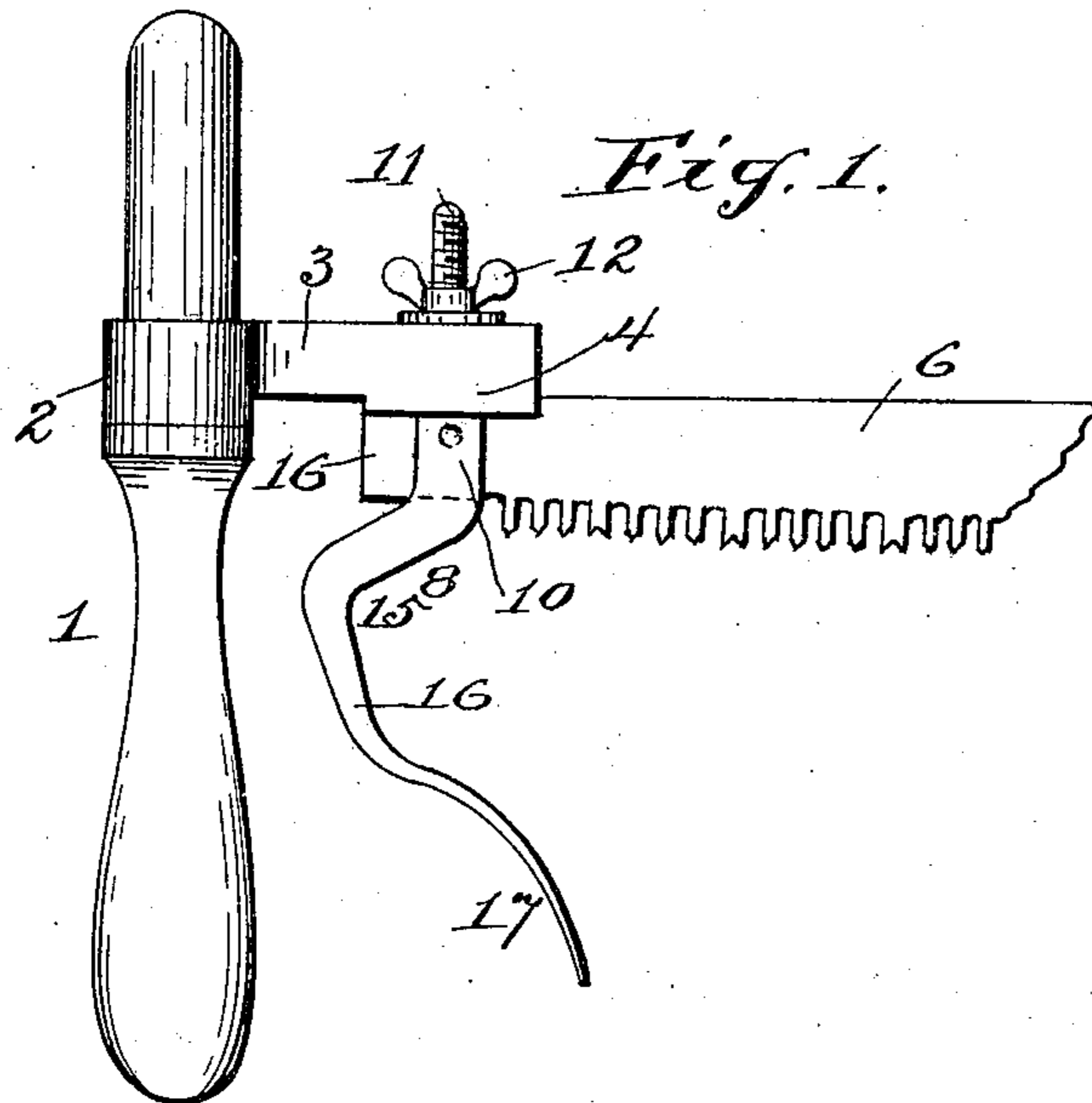


Fig. 3.

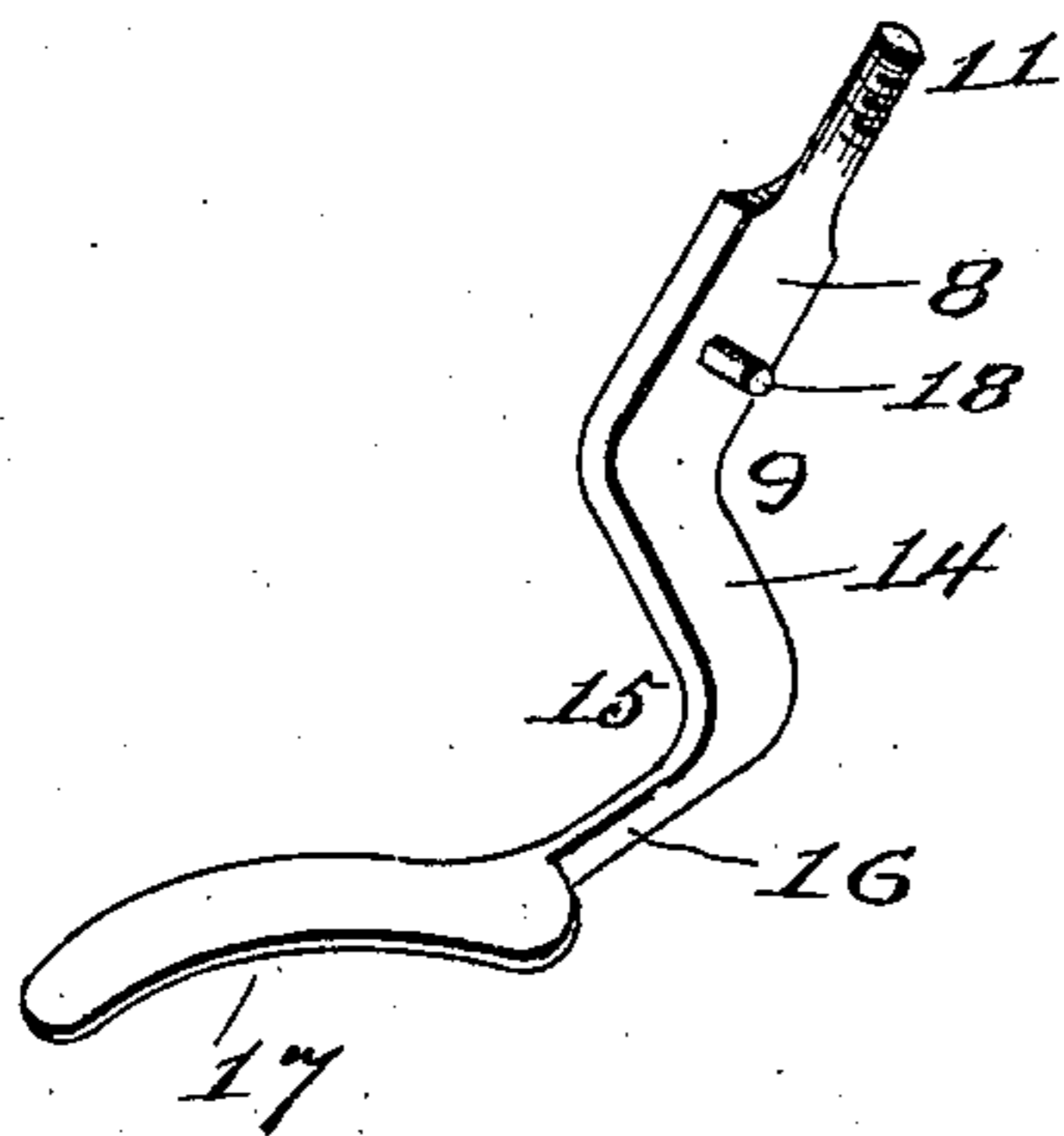
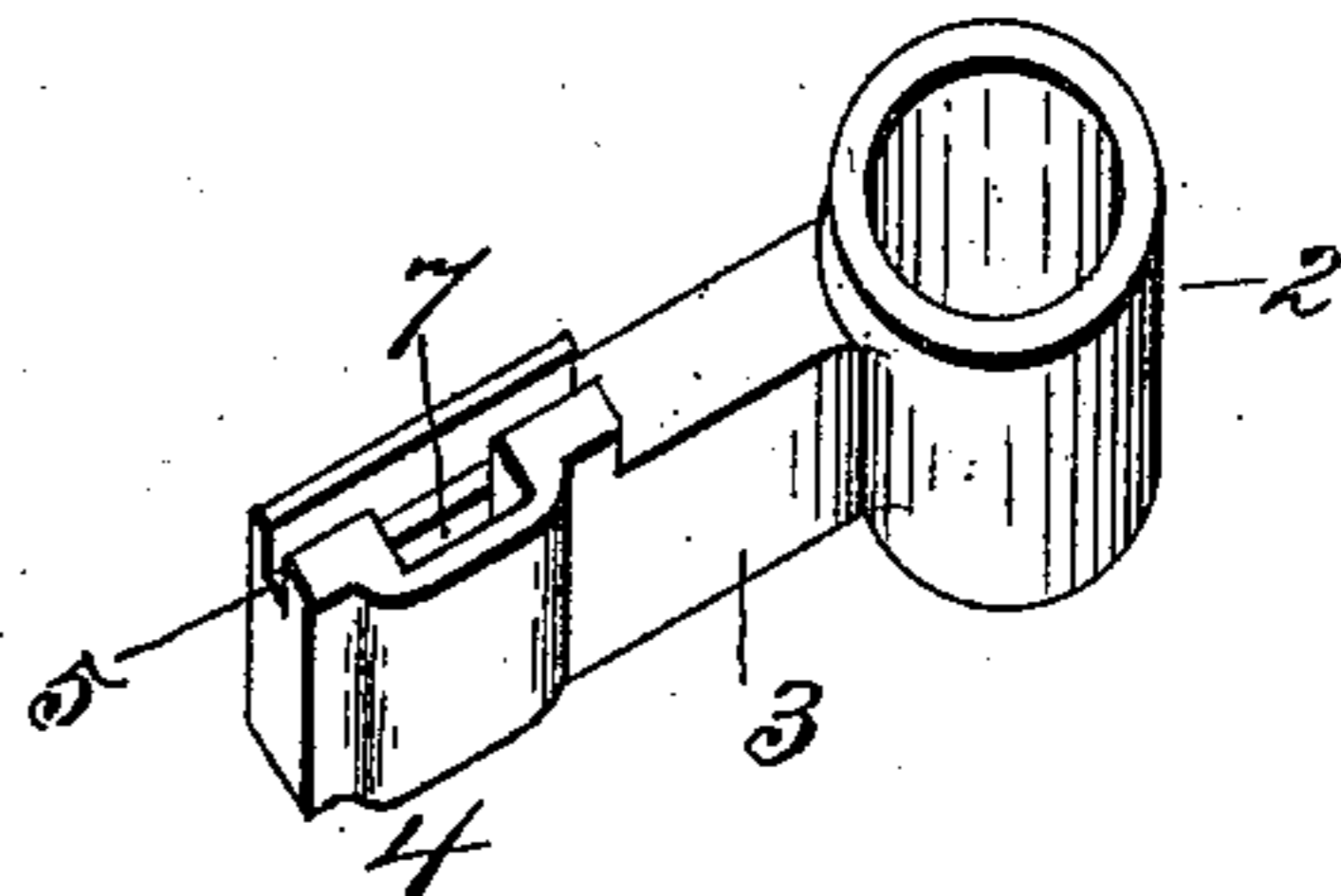


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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CROSSCUT-SAW GUARD AND HANDLE CONNECTION.

No. 846,964.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed June 23, 1906. Serial No. 323,142.

To all whom it may concern:

Be it known that I, JOHN TORS, a citizen of the United States, residing at Matlock, in the county of Mason and State of Washington, have invented certain new and useful Improvements in Saw Handles and Guards, of which the following is a specification.

This invention relates to handsaws, and has special reference to hand-guards for cross-cut-saws and handle connections.

The object of the invention is to provide a guard for handsaws of such novel and peculiar construction as to protect the hand of the operator, connect the handle to the saw, and permit the saw to travel its full length, so that the end teeth may be utilized and a full sweep of the saw-stroke attained.

A further object of the invention is to provide in one and the same article or device means for holding the saw, holding an arm connecting the saw and handle, and protecting the hand of the operator without limiting or restricting the stroke of the saw.

In the accompanying drawings, forming part of this application, Figure 1 is a side elevation of a portion of a crosscut-saw having the device attached thereto. Fig. 2 is a detailed elevation of the device, showing the connecting-arm in section. Fig. 3 is a perspective view of the device detached. Fig. 4 is an inverted perspective view of the connecting-arm.

The same reference-numerals denote the same parts throughout the several views of the drawings.

The handle 1 may be of any desired or usual shape to be inserted into a collar 2 at one end of a connecting-arm 3, the other end of said arm having an enlargement or lug 4 provided with a recess or groove 5 for the top edge of the saw 6, and said lug has an aperture 7 extending therethrough.

The device for holding the connecting-arm and the saw and for protecting the hand of the operator without interfering with the full stroke of the saw is constructed in one piece and comprises a tapering bar 8, having

a shoulder 9 at one end, from which projects a stem 10, terminating in a screw 11 for a thumb-nut 12. A guard 13 depends from the other or thin end of the bar 8, with a top portion 14 inclined downwardly from the bar to a shoulder 15 opposite the bottom of the saw-teeth. From this shoulder a portion or back 16 projects perpendicular to the top 14 and terminates in a spring-fender 17, curved inwardly and downwardly. The fender 17 is preferably made to terminate practically under the end teeth of the saw, and its peculiar curve, taken in connection with the peculiar angles of the other part of the guard relative to the end of the saw, will permit the operator to utilize the whole length of the saw.

The bar 8 has a pin 18, upon which the saw is placed and held thereon by forcing the lug 4, with its groove, over the top edge or back of the saw under pressure of the thumb-screw.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with the connecting-arm adapted to be clamped over the back edge of a saw where it forms the only contact therewith, of a hand-guard comprising a bar extending through the said arm perpendicular thereto and terminating in a spring-fender under the cutting edge of the saw.

2. The combination, with a saw, a saw-handle, and an arm for connecting the handle to the saw, said arm having a longitudinal saw-groove open at both ends and a vertical slot on one side of the groove, of a hand-guard terminating in a spring-fender and having a bar extending through the slot and the said groove side, and a suitable nut for clamping the parts together.

In witness whereof I hereunto set my hand in the presence of two witnesses.

JOHN TORS.

Witnesses:

CHAS. PETERSON,
W. E. BALDWIN.