

(No Model.)

J. MURLEY.

Adjustable Safe-Guard for Circular-Saws.

No. 227,287.

Patented May 4, 1880.

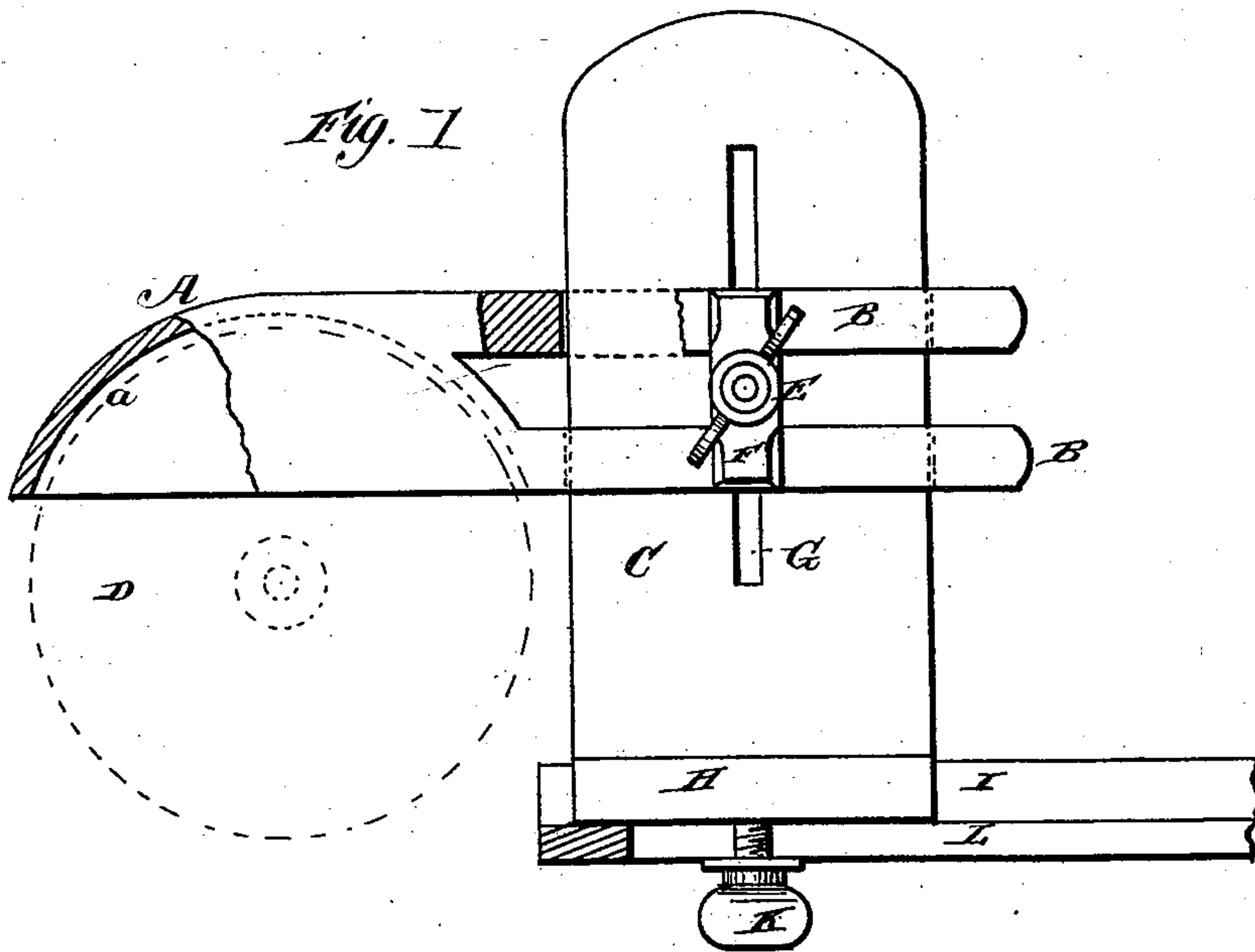
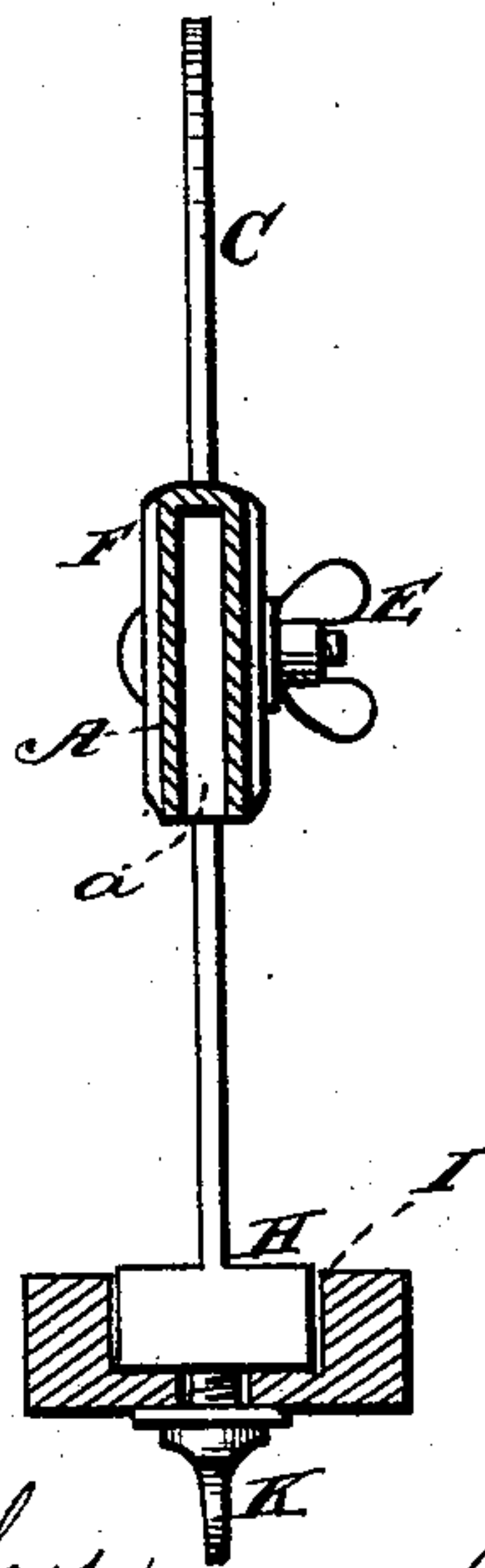


Fig. 2.



WITNESSES

Robert Everett
James J. Sheehy

INVENTOR

John Murley
Gilmore Smith & Co
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN MURLEY, OF MORRIS, ILLINOIS, ASSIGNOR OF ONE-HALF OF HIS
RIGHT TO HERMAN C. GIFFORD, OF SAME PLACE.

ADJUSTABLE SAFEGUARD FOR CIRCULAR SAWS.

SPECIFICATION forming part of Letters Patent No. 227,287, dated May 4, 1880.

Application filed March 6, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN MURLEY, of Morris, in the county of Grundy and State of Illinois, have invented certain new and useful
5 Improvements in Adjustable Safeguards for Circular Saws; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed
10 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my safeguard for circular
15 saws, and Fig. 2 is a transverse sectional view of the same.

This invention relates to an adjustable safeguard for circular saws.

The improvement consists in the construction and arrangement of parts, as fully set forth in the following description, and particularly pointed out in the claim.

In the drawings, A designates the saw-guard, which consists of a metal or wooden plate
25 formed with a recess, *a*, and with two mortised arms, B, which arms fit upon a standard, C, so that the guard can be vertically adjusted. The saw is designated by letter D, and is covered in part by the guard, as illustrated.

30 The guard is held in place upon the standard by means of a set-screw, E, which is employed to tighten up the arms upon the standard, and to this end the set-screw passes through plates F, which are secured to the arms
35 on opposite sides of the same, so that the walls of the slots in the arms may be drawn against the standard. The said standard has a slot, G, through which the set-screw passes, the slot

admitting of the vertical adjustment of the set-screw and guard. The standard has a base, 40 H, which works in a guide, I, and which is held in place therein by a set-screw, K, which passes through a slot, L, in the bottom of the guide. By this arrangement the guard can be set in position for protecting saws of various
45 diameters, since the standard which supports the guard can be readily adjusted in place in the guide I.

The guide is set upon the saw-table, and the board which is being sawed is fed toward the
50 standard, which separates the cut, thus preventing the board from pinching the saw.

The vertical adjustment of the guard is for the purpose of regulating its position with reference to various sizes of boards, and it will
55 prevent pieces flying away from the saw and injuring the operator.

What I claim, and desire to secure by Letters Patent, is—

In a saw-guard, the combination of the vertical standard C, slotted at G and made horizontally adjustable in the guide I L, with the guard A, recessed at *a* and provided with the mortised arms B, plates F, and set-screw E, the several parts being so constructed and arranged that the edge of the vertical standard
60 C will enter the kerf as the board is fed forward and prevent the saw from being pinched, as set forth. 65

In testimony that I claim the above I have
70 hereunto subscribed my name in the presence of two witnesses.

JOHN MURLEY.

Witnesses:

AARON G. WOODBURY,
C. W. CARD.