

No. 816,326.

PATENTED MAR. 27, 1906.

J. G. HILL.  
SAW GUARD.

APPLICATION FILED NOV. 17, 1905.

Fig. 1.

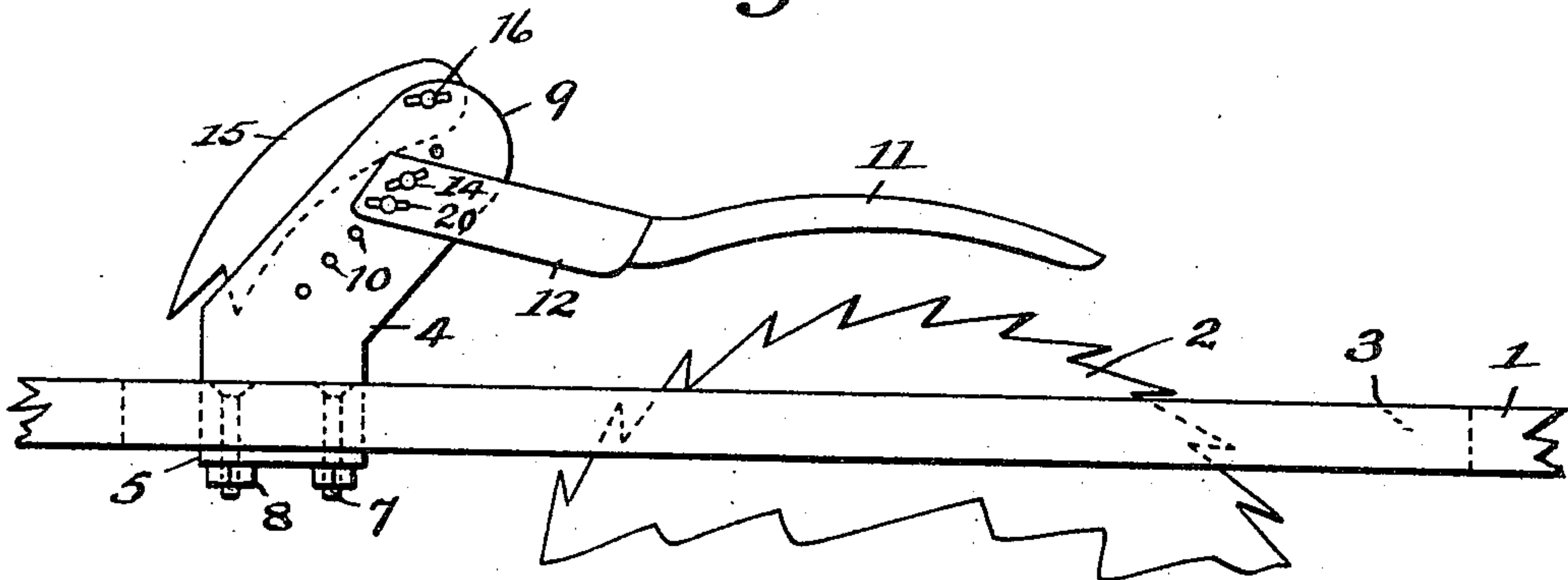


Fig. 2.

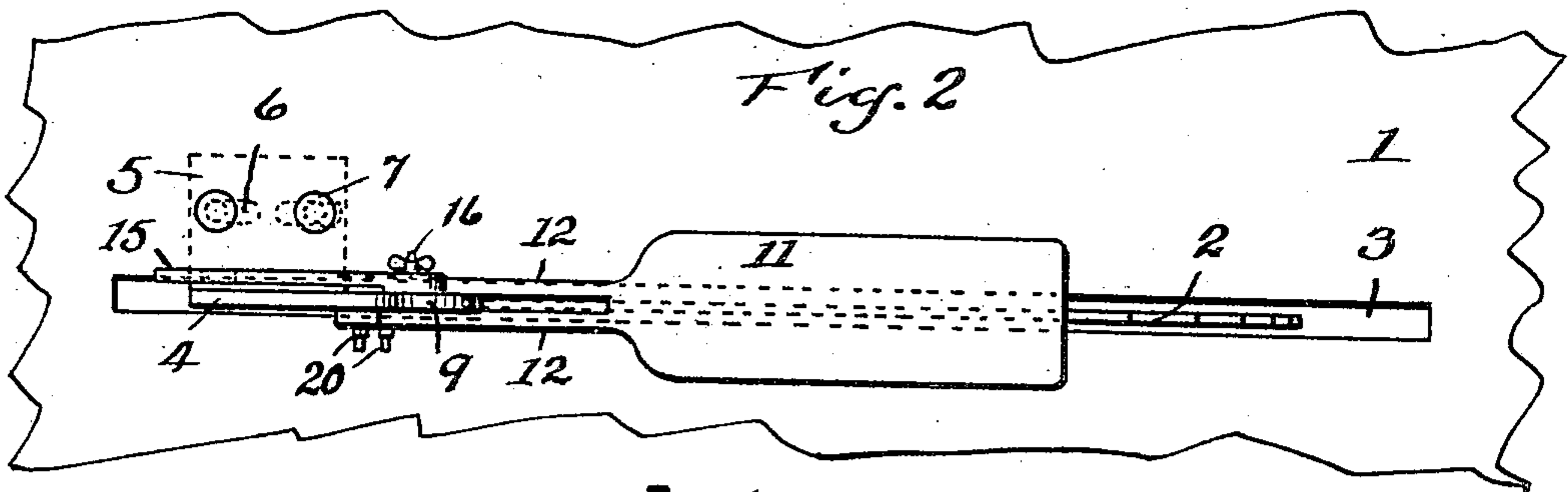
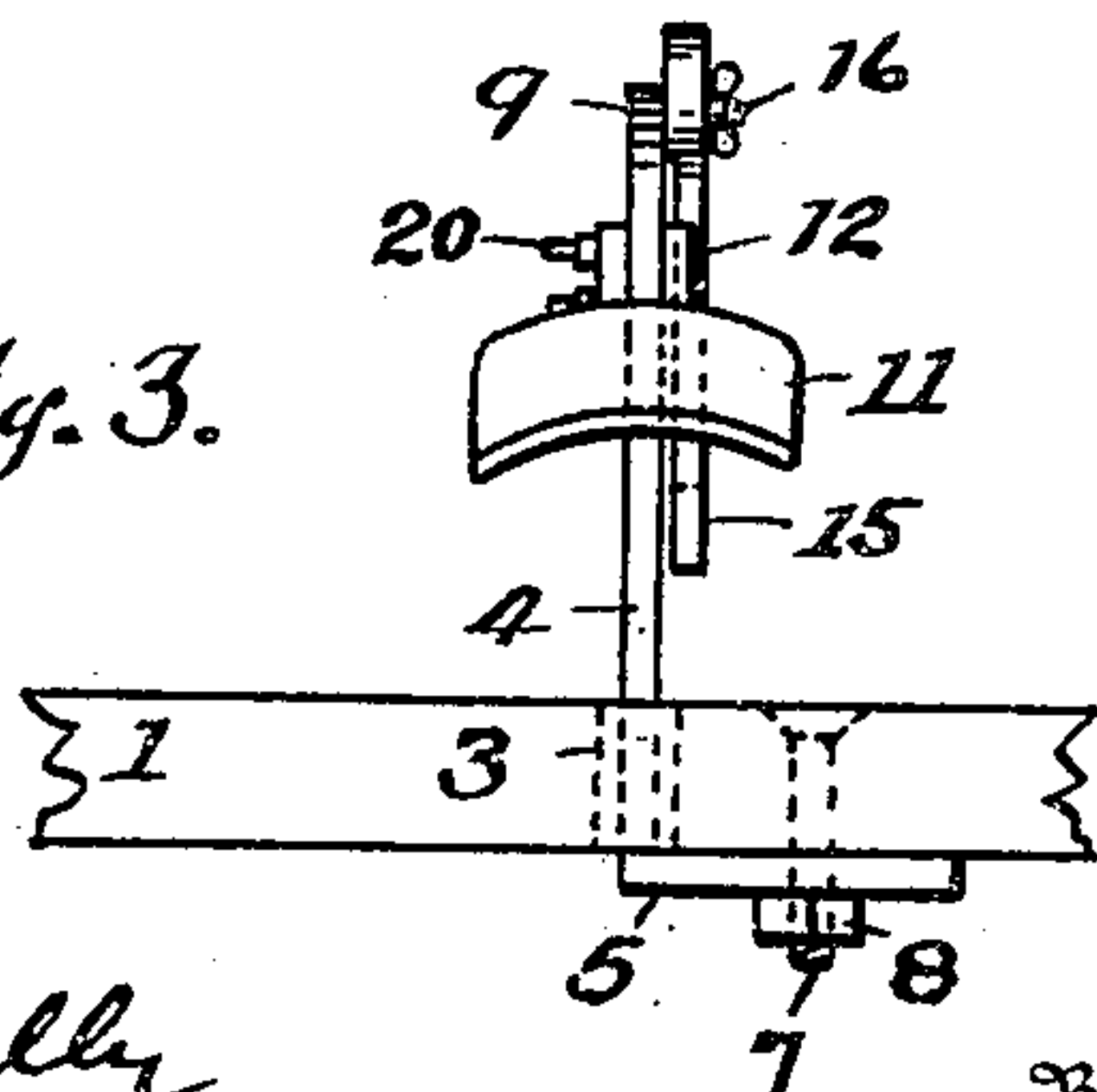


Fig. 3.



Witnesses  
Katharine Kelly  
Geo. Miller

Jacob G. Hill, Inventor

E. A. Kelly, Attorney

# UNITED STATES PATENT OFFICE.

JACOB GEO. HILL, OF READING, PENNSYLVANIA.

## SAW-GUARD.

No. 816,326.

Specification of Letters Patent.

Patented March 27, 1906.

Application filed November 17, 1905. Serial No. 287,763.

*To all whom it may concern:*

Be it known that I, JACOB GEO. HILL, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented new and useful Improvements in Saw-Guards, of which the following is a specification.

This invention relates to improvements in saw-guards.

The object of the present invention is to simplify and improve the construction of saw-guards, and to provide a simple, inexpensive, and efficient device adapted to be readily applied to a saw and capable of protecting both the saw and the operator.

A further object is to provide a device that may be readily alined with the saw and one in which when cutting narrow strips the strip will be prevented from catching or being thrown forward.

The invention consists of certain novel features, which will be more fully described in the following specification and clearly illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a table, showing my device in position. Fig. 2 is a plan view. Fig. 3 is a front edge view.

The numeral 1 designates the table, and 2 a circular saw. The saw operates in the usual slot 3 in the table.

The numeral 4 designates the spreader, and this spreader passes through the slot 3. The lower end 5 of the spreader is set at right angles to the body and is provided with one or more elongated openings 6. Bolts 7 pass through the table and through these openings and are provided with nuts 8. By means of this arrangement longitudinal adjustment is secured. The upper end 9 of the spreader is bent forward at an angle to the body and is provided with a series of holes 10.

The numeral 11 indicates the guard proper or hood. This hood is formed in a single piece, preferably of sheet metal, and its rear end 12 is split longitudinally, and the two portions are bent so that they lie at right angles to the hood portion, though approximately on the same plane. The hood portion 11 is bent to approximately a semicircle in cross-section. The rear portion 12 is adapted to receive the upper end 9 of the spreader and one of the bent sides thereof to lie

against either side of the spreader. These portions 12 are provided with one or more holes 14 and are adapted to be adjustably secured to the spreader by means of pins or screws 20 passing through the holes in both the spreader and the said ends 12 of the guard. A pawl 15 is pivoted at a point 16 to the top of the spreader 9, and this pawl is adapted to fall into engagement with and hold in position against the table the strip of wood as it is being sawed from the timber. The pawl is so arranged that the piece so cut cannot rise or be thrown forward, as it will be always held in position against the table, though it will be free to pass in the proper direction.

In applying my device the spreader is passed through the slot on the table from below, and the right-angled end thereof is securely bolted to the table by means of the bolts 7. This will secure it solidly in position and assure its rigidity. The hood is then placed in position on the spreader and secured by means of the screws 20. The pawl is also placed thereon by means of the screw 16.

My improved fastening device insures absolutely against the hood descending onto the saw and guarantees permanent adjustment.

Having thus fully described my invention, what I claim is—

A saw-guard comprising a spreader having a right-angled lower end, elongated openings in said angled end, bolts passing through said end, a series of perforations in the upper end of said spreader, a hood-piece having its rear end split longitudinally, both portions of said split end being bent to lie parallel with each other, said split ends having perforations adapted to register with one or more of the perforations in the spreader, screws passing through both the spreader and said split end, a curved hood formed on the forward end of said hood-piece adapted to extend over the saw, and a loosely-pivoted pawl attached to the top of said spreader.

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

JACOB GEO. HILL.

Witnesses:

ED. A. KELLY,  
PAUL K. LEINBACH.