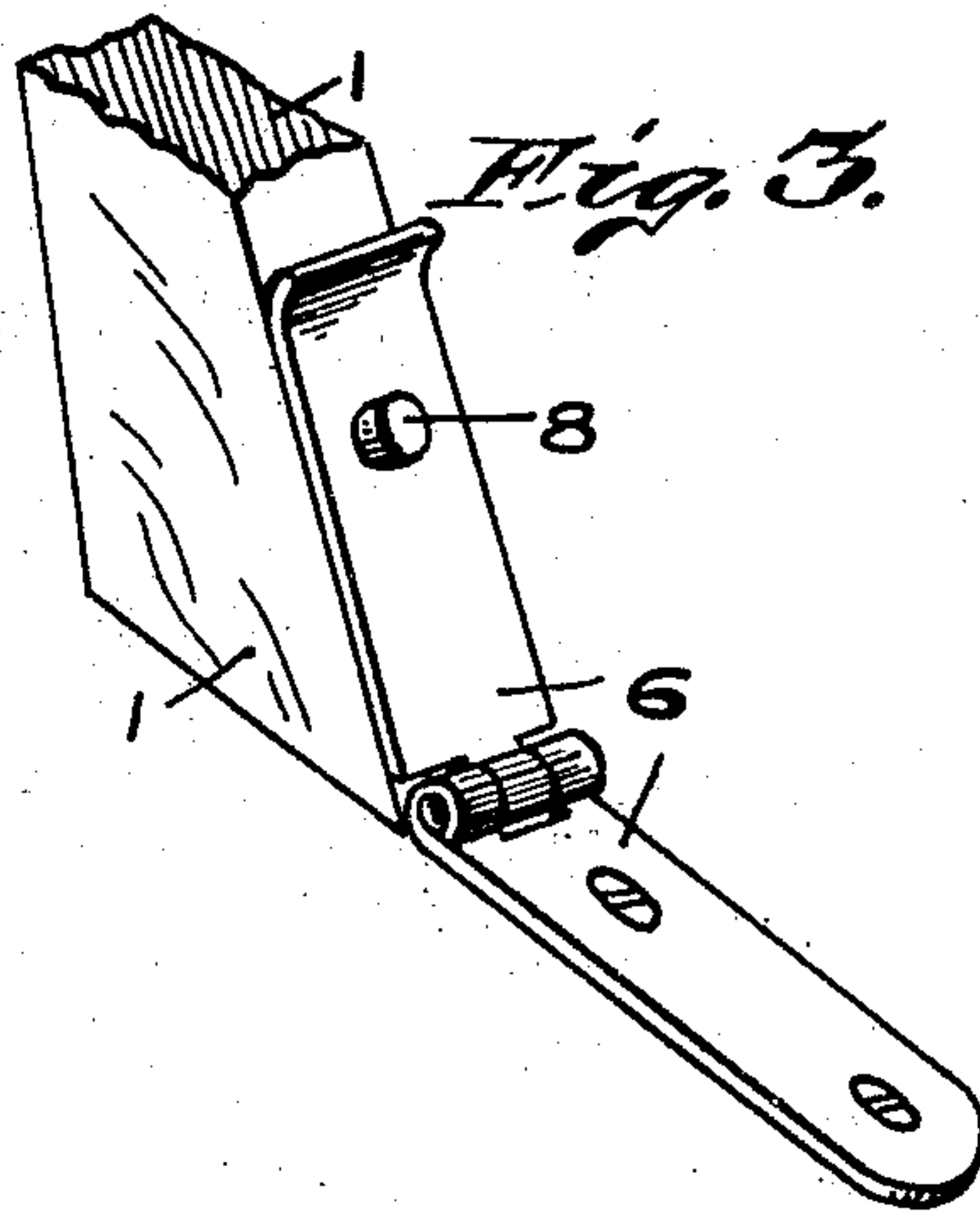
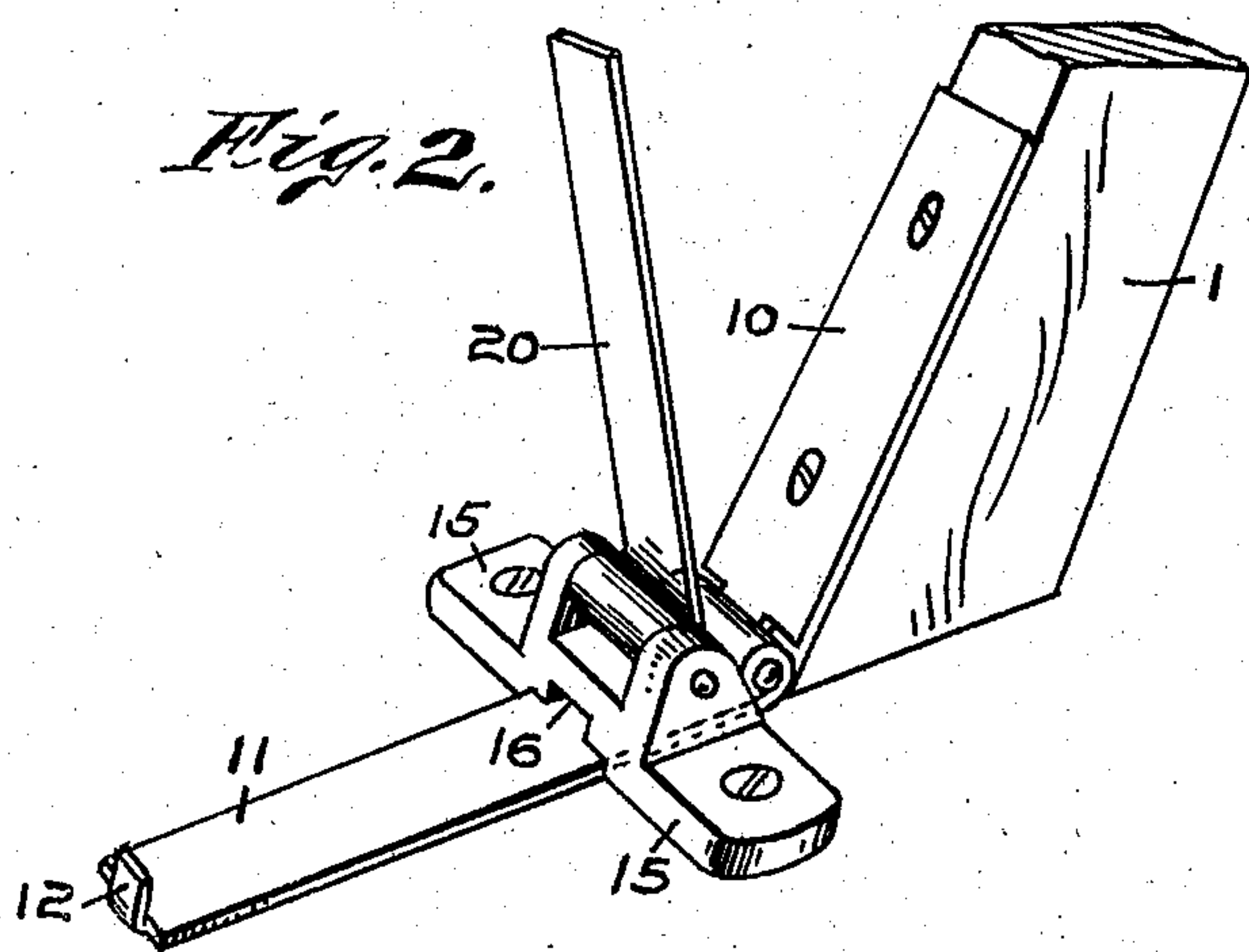
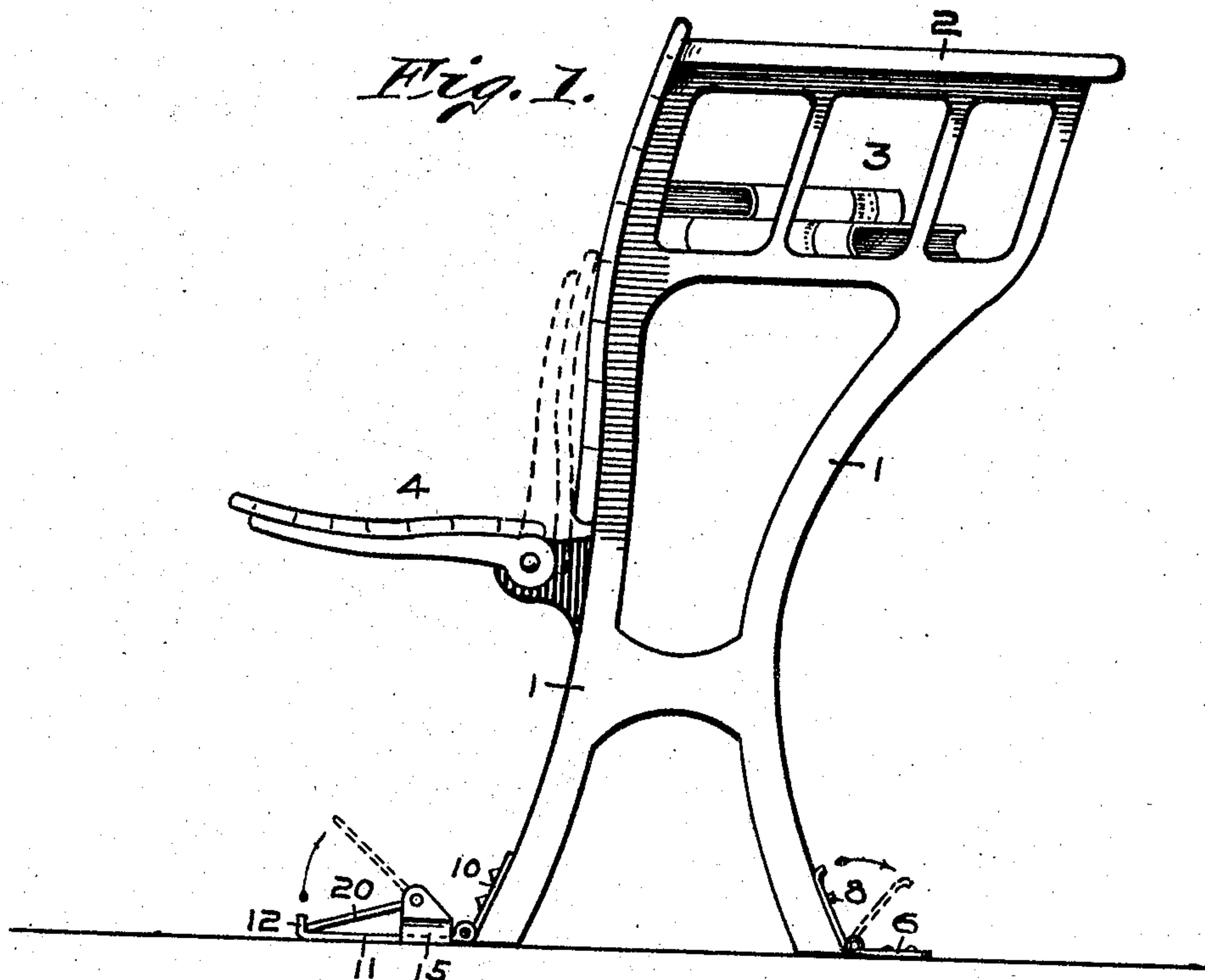


No. 806,367.

PATENTED DEC. 5, 1905.

J. D. SCHAEFFER.
FLOOR FASTENING FOR FURNITURE.
APPLICATION FILED JUNE 3, 1905.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JACOB D. SCHAEFFER, OF MUNCIE, INDIANA, ASSIGNOR OF ONE-HALF TO
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FLOOR-FASTENING FOR FURNITURE.

No. 806,367.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed June 3, 1905. Serial No. 263,585.

To all whom it may concern:

Be it known that I, JACOB D. SCHAEFFER, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented certain new and useful Improvements in Floor-Fastenings for Furniture, of which the following is a specification.

This invention relates to a means for removably securing school-desks to the floor; and the object of the invention is to provide a fastener which will unlock the desks, and thereby permit them to be tilted forward into an inclining position, and thereby leave the floor underneath the desk unobstructed, so that the same may be thoroughly cleaned.

The invention consists, further, in a fastener whereby the school-desks may be entirely removed from the floor, so that the latter may be thoroughly scrubbed and cleaned, and thus keep the floor in a sanitary condition.

There are other features, and the construction and arrangement of the several parts of such a fastener whereby the advantages sought are attained will be more particularly described in the annexed specification and the novel features thereof then pointed out in the claims.

Referring to the accompanying drawings, which are made a part hereof, and on which similar numerals of reference indicate similar parts, Figure 1 is a side elevation of a school-desk, showing my fastening device in operating position. Fig. 2 is a fragmentary detail perspective view of the lower end of a forward leg of a school-desk, showing the construction of the fastener employed on said legs of the desk. Fig. 3 is a fragmentary detail perspective view of the fastener employed on the rear legs of the desk.

In the drawings, 1 is the frame of an ordinary school-desk; 2, the top; 3, a receptacle for retaining the school-books, and 4 is a seat which is pivotally secured to the frame 1 and which may be moved into a vertical position. (Shown by dotted lines in Fig. 1.) This construction of the seat is old, and while the elevation of the seat permits the floor underneath to be more easily cleaned no provision has been made for the thorough cleaning of the floor underneath and around the legs of the desk where the latter attach to the floor. To overcome this objection is the chief object of my invention, and it will be readily seen that after the seat 4 has been raised into vertical

position and the desk is then leaned forward the floor is almost wholly unobstructed, and consequently a more thorough renovation can be secured. The rear legs of the desk are provided with a hinge 6, which is composed of two members pivotally connected together, one of said members being secured to the floor, while the other is provided with an aperture which registers with the dowel-pin 8, mounted on the rear leg of the desk.

As the school-rooms are swept daily, it will be seen that a fastener that permits the desk to be thrown forward, leaving the floor underneath unobstructed, will greatly facilitate the work in cleaning the room. When a general cleaning and scrubbing is desired, at which time it is desirable to remove the entire desk from its position on the floor, I provide a fastener, which is secured to the forward legs of the desk, which permits such removal. This fastener comprises two members 10 and 11, hinged together. The member 10 is rigidly secured to the forward legs of the desk, while the member 11 rests upon the floor and is provided at the forward end with the right-angle shoulder 12. The member 11 passes through a strap 15, which is rigidly secured to the floor. The strap 15 is notched to permit the member 11 to pass and is also provided with the secondary notch 16, which forms a passage-way for the shoulder 12 on the forward end of the member 11. The strap 15 is also provided with a locking-plate 20, which is pivotally mounted in said strap 15, the plate being cut of a length that when the member 11 of the fastener has been moved through the strap 15 to normal position the locking-plate 20 can be lowered to engage the rear surface of the shoulder 12. This construction prevents the member 11 from being removed from the strap 15 until the locking-plate 20 has been disconnected from the shoulder 12, as shown by the dotted position in Fig. 1 of the drawings. While the forward portion of the desk is held against lateral or longitudinal movement on the floor the desk may be swung forward, when the fastener 6 is released by means of the pivotal connection of the members 10 and 11 of the forward fastener.

Thus it will be seen that I have in a simple and economical manner provided a fastener for school-desks which permits their ready removal, so that the school-room may be kept in a more cleanly and sanitary condition than is

now possible by the present means of rigidly securing the legs of the desk to the floor, which method always permits dust and dirt to accumulate and afford a ready place for the breeding and transmission of diseases.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a fastener for school-desks, the combination with the desk-frame, hinges comprising a plurality of members pivoted together, part of said members secured to the desk-legs and the free members contacting the floor, a shoulder formed on the ends of the free members, a notched strap for engaging the free ends of the hinges, and a retaining-plate pivotally mounted in the notched strap that engages the shoulder on the free members of the hinges and operating to prevent the accidental separation of the parts.

2. In a fastener for school-desks, the combination with the desk-frame, hinges composed of a plurality of members pivotally connected together secured at one end to the desk-legs, a shoulder formed on the forward end of the free members of the hinges, stationary means on the floor for engaging the free ends of the hinges, and retaining means pivotally mounted in the stationary means to engage the shoulders on the free ends of the hinges and operating to prevent the accidental separation of the parts.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 16th day of May, A. D. 1905.

JACOB D. SCHAEFFER. [L. s.]

Witnesses:

F. W. WOERNER,
LULA MASCHMEYER.