

J. A. & H. A. HOUSE.

Tucking Gage for Sewing Machines.

No. 67,653.

Patented Aug. 13, 1867.

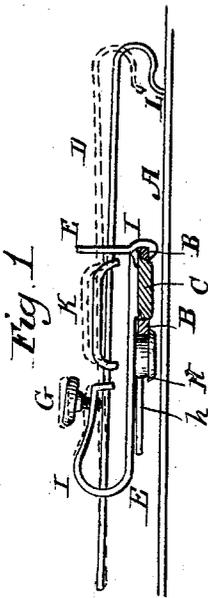


Fig. 1.

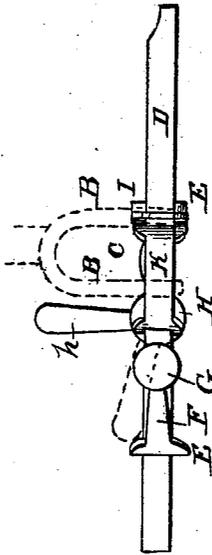


Fig. 2.

Witnesses:

J. S. Peyton  
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Inventors:

James A. House  
Henry A. House  
by their Atty.  
B. A. Davis & Son

# United States Patent Office.

JAMES A. HOUSE AND HENRY A. HOUSE, OF BRIDGEPORT, CONNECTICUT.  
ASSIGNORS TO WHEELER & WILSON MANUFACTURING COMPANY.

Letters Patent No. 67,653, dated August 13, 1867.

## IMPROVEMENT IN TUCKING-GAUGE FOR SEWING MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, JAMES ALFORD HOUSE and HENRY ALONZO HOUSE, both of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new and useful Improvement in Tucking-Gauges for Sewing Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 represents a view in elevation of our improved gauge, as applied to a Wheeler and Wilson sewing machine, the view being taken from the bobbin side of the machine.

Figure 2 represents a plan or top view of the same, showing its mode of attachment to the presser-foot.

Tucking-gauges for sewing machines, as constructed previous to our invention, so far as our knowledge extends, have universally been attached to the table of the machine, which arrangement is attended with many practical inconveniences. Moreover, tucking-gauges having a capacity for a variety of work are complex, and most of them render the machine noisy. Now, our invention has for its object the obviating of these defects, and to these ends our improvements consist—

First. In attaching a tucking-gauge to the presser-foot of a sewing machine by means of fixed hooks or stops and an eccentric clamp, to permit of its ready removal, adjustment, or replacement.

Second. In a tucking-gauge so combined with the presser-foot of a sewing machine as to be vertically, longitudinally, and laterally adjustable thereon.

Third. In a tucking-gauge composed of two members, one of which carries a clamping device for locking the gauge in position, a spring and set-screw to adjust the position and pressure of the marking-blade, at the same time serving to support the other member, which carries a buffer-pad to deaden the sound, and an adjustable tucking-hook.

Fourth. In a marking-blade, so constructed as to have both an endwise adjustment in its supports and a slight vertical vibration, in order to vary the width of the tucks, to hold the blade down upon the article to be tucked to prevent its movement while the needle is down, and to prevent jar or noise of the needle-arm in striking the blade.

In the accompanying drawings, A represents the table of a sewing machine, and B the prongs of the presser-foot enclosing a glass, C. The marking-blade D slides endwise in slots in its case E, being held in any desired position by a set-screw, G, which works in the bent end F of the case, which forms a spring to permit the tucker to yield vertically, as shown in red in fig. 1. Hooks I on one end of the case or frame embrace the prongs of the presser-foot on one side. The opposite side is held by an eccentric clamp, H, controlled by a lever, h. A buffer or pad, K, is interposed between the tucker-bar and the head of the needle-arm to prevent violent concussions and to deaden the sound.

The operation is as follows: The cloth is arranged upon the table and the presser-foot let down on it in the usual way, the tucking-gauge being first attached by slipping the hooks I over the prongs of the presser-foot and clamping it on by turning lever h into the position shown by the full lines in fig. 2. The point of the crook L of the marking-blade can be adjusted up or down by turning the set-screw G, and should rest just clear of the fabric to be sewn. The cloth is fed along in the usual way. As the needle descends, the head of the needle-bar strikes the buffer-pad, and presses down the crook L to hold the tuck while the needle is down.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The attachment of the tucking-gauge to the presser-foot of a sewing machine by the hooks and eccentric clamp, for the purpose of readily removing and replacing the gauge without disturbing the glass of the presser-foot.

2. The marking-blade, having a vertical, a longitudinal, and a lateral adjustment in the presser-foot, substantially as described.

3. The combination, substantially in the manner described, of the marking-blade and its case, spring, and set-screw.

4. The combination, substantially in the manner described, of a marking-blade, having a vertical movement in its case, with a buffer-pad to deaden the shock of the head of the needle-arm.

In testimony whereof we have hereunto subscribed our names.

JAMES A. HOUSE,  
HENRY A. HOUSE.

Witnesses:

GEORGE C. BISHOP,  
CHARLES H. DIMOND.