

W. S. HOTCHKISS.
Sewing-Machine Attachment.

No. 93,202.

Patented Aug. 3, 1869.

Fig. 1

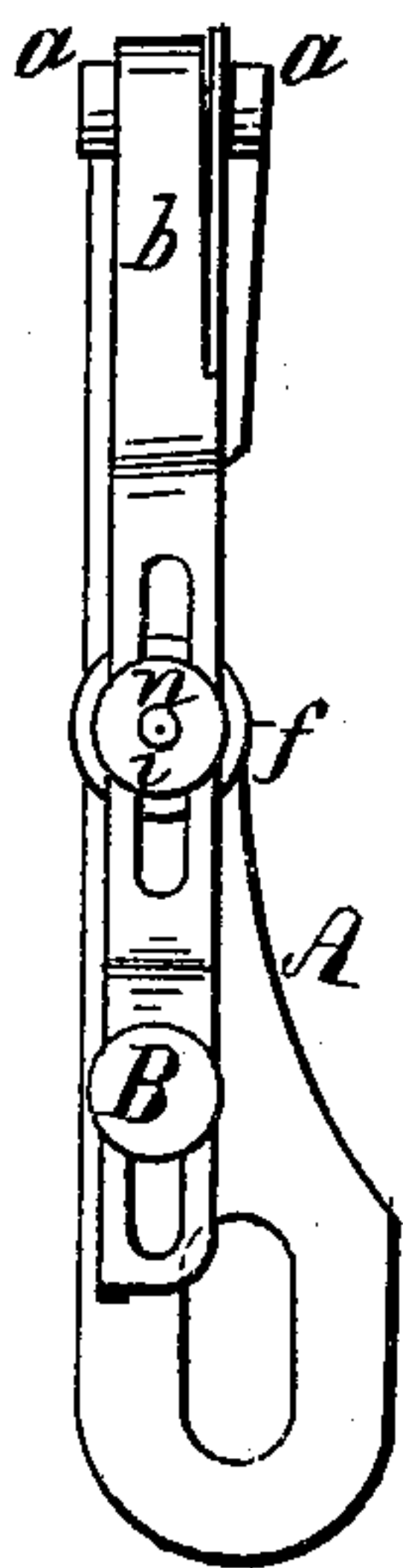


Fig. 2

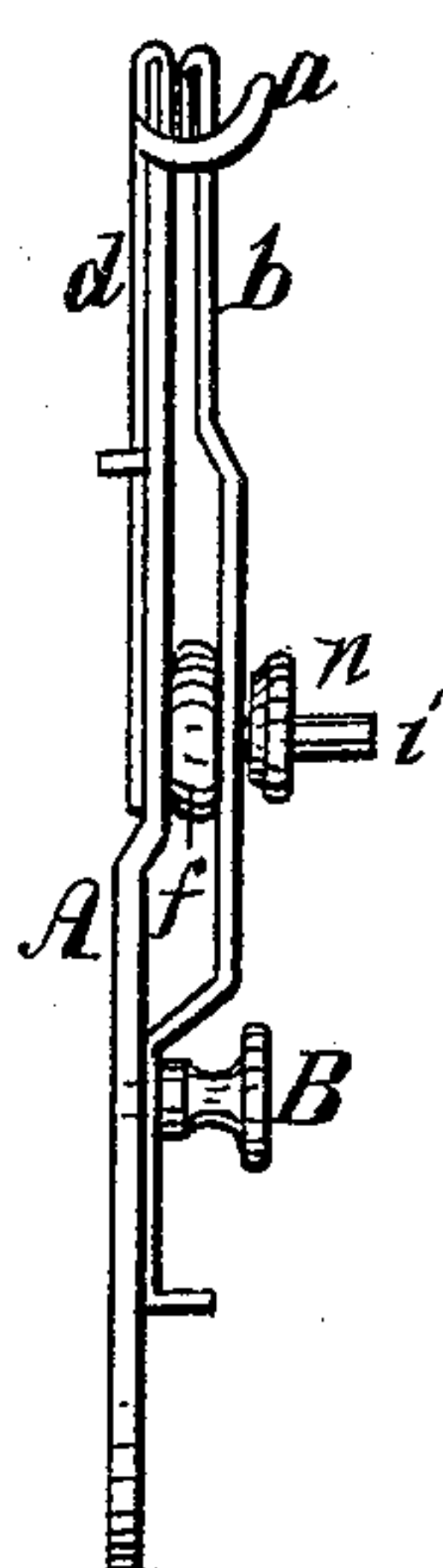


Fig. 3

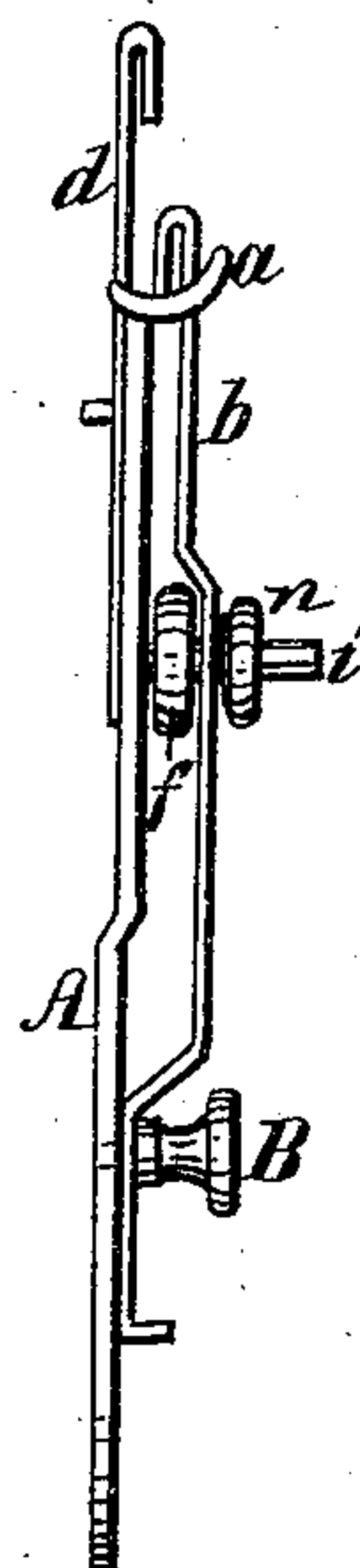
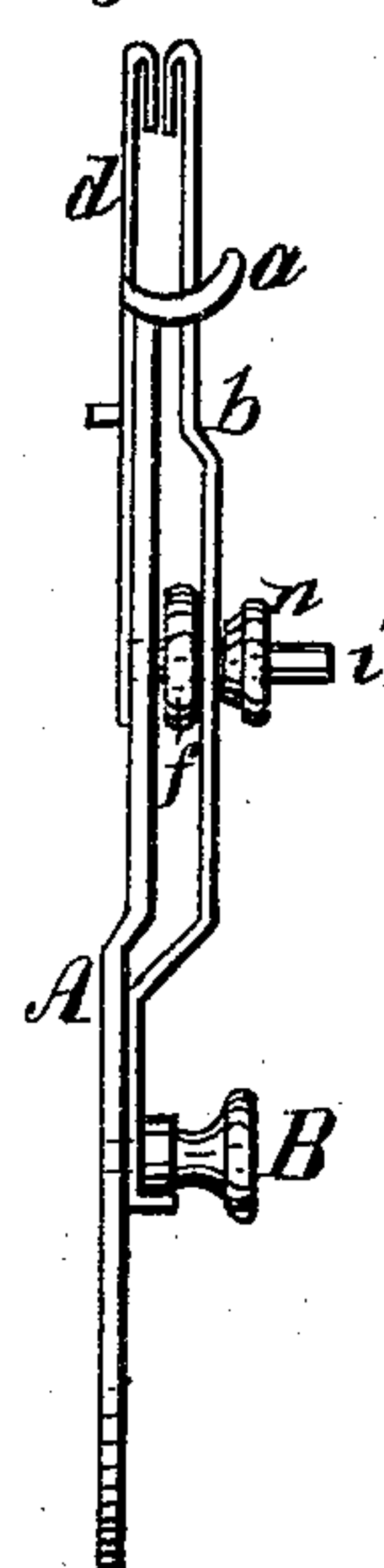


Fig. 4



Witnesses.

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WALTER S. HOTCHKISS, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR
TO HOWE MACHINE COMPANY.

Letters Patent No. 93,202, dated August 3, 1869.

IMPROVEMENT IN BINDING-GUIDES FOR SEWING-MACHINES.

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

To all whom it may concern:

Be it known that I, WALTER S. HOTCHKISS, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new Improvement in Binding-Guide for Sewing-Machine; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a top view;

Figure 2, a side view; and in

Figures 3 and 4, side views, the parts being differently adjusted.

This invention relates to an improvement in apparatus for attachment to sewing-machines, for the purpose of turning the binding over the edge of work, commonly called a binding-gauge; and

The invention consists in the upper and under gauge or folder, fixed to a plate, in the manner hereinafter described, so that both the upper and under gauges are made adjustable together, as well as the one independently of the other.

To enable others to fully understand my invention, I will proceed to describe the same as illustrated in the accompanying drawings.

A is the plate or base by which the gauge is attached to the work-table, its inner end forked, so as to form a guide, *a a*, for the edge of the work.

Upon the under side of the said base is fixed a gauge, *d*, secured to the plate by a nut, *f*, on the bolt *i*, which extends through the plate.

Upon the upper side of the plate A, another gauge, *b*, is attached, lying between the forks *a*, in the end of the plate A, and is secured to the said plate by a screw, B, and is slotted, so as to pass over the bolt *i*, and pressed down, or adjusted vertically, by a nut, *n*.

As seen in fig. 2, the two gauges are drawn back close to the folder or fork *a*. The work is placed between the two folders, and the two edges of the binding, one into each bend thereof, and is thus guided to the needle.

If it is desirable to adjust the lower gauge independently of the upper, say as from the position in fig. 2 to that in fig. 3, loosen the two nuts *f* and *n*, (the screw B holding the upper guide firmly,) then the lower guide may be moved out to the position seen in fig. 3; the lower nut *f* turned, to fix the lower gauge; then the upper gauge adjusted, as to the thickness of material, by turning the nut *n* down, until the proper relative position between the two is attained. Or, if desired to adjust the upper gauge independently of the lower, loosen the screw B, and move the upper gauge to the desired position; then set the screw B, to fix the gauge in that position.

By this construction, it will be observed that the two guides may be set together, that is, in proper relative position to each other; then both adjusted, without disturbing their relative positions, and this in the following manner:

Supposing the position in fig. 1 to be the proper relative position to each other, and that it is desired to retain that relative position, but in a position further back, turn the nut *f*, so as to clamp the upper guide between the adjusting-nut *n* and the said nut *f*; then the two guides are both clamped firmly together; then, by loosening the adjusting-screw B, the two guides may be moved together.

I do not wish to be understood as broadly claiming the arrangement of two folders or guides, for guiding and folding the binding over a material in sewing-machines, as such, I am aware, is very common; but

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

The combination of the plate A with the upper and lower guides *b* and *d*, with their respective nuts or screws, *f* and B, and adjusting-nut *n*, arranged and operating together as and for the purpose specified.

WALTER S. HOTCHKISS.

Witnesses:

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