

E. F. ANGELL.
Sewing-Machine Guide.

No. 95,409.

Patented Oct. 5, 1869.

Fig. 1

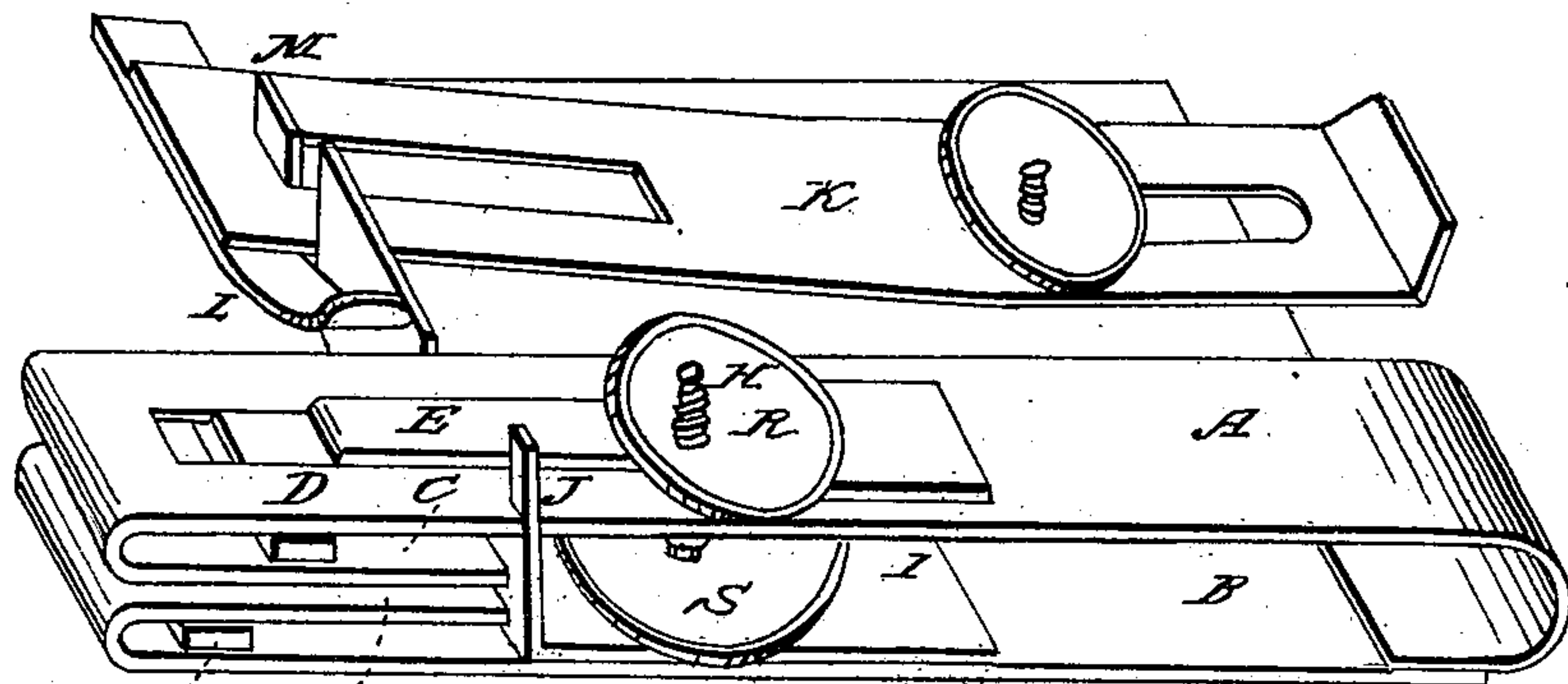


Fig. 2

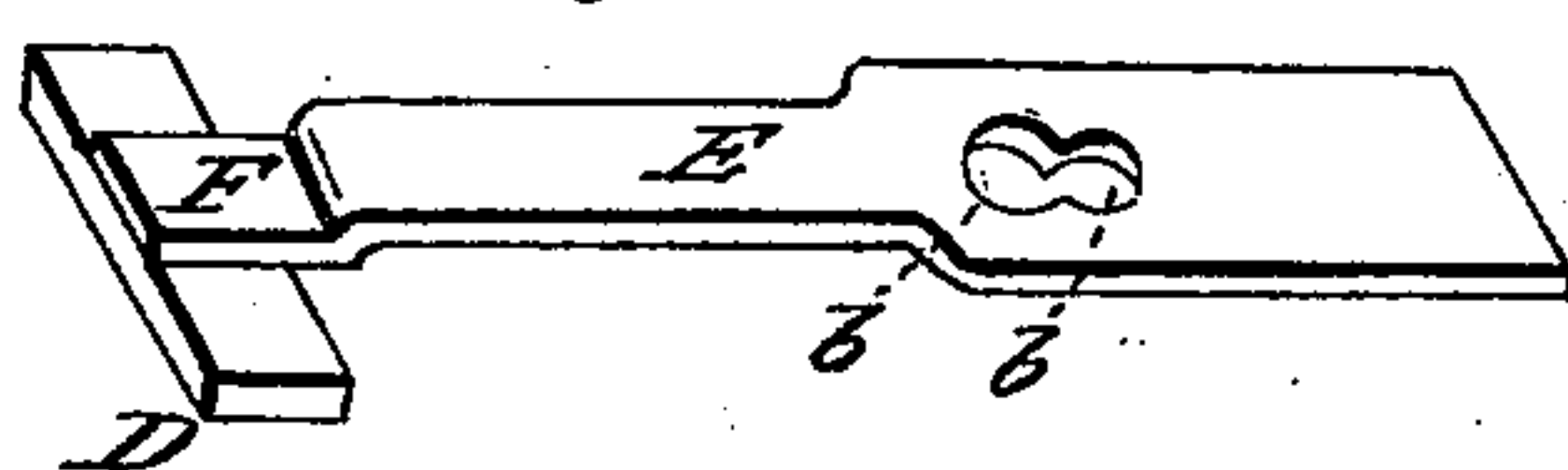


Fig. 3

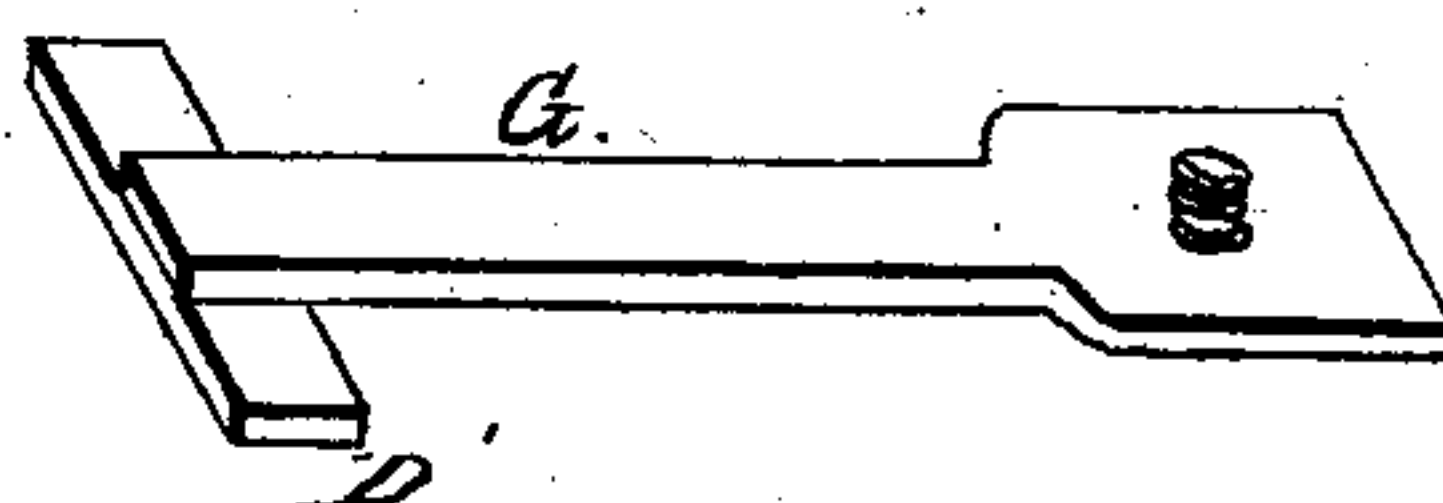
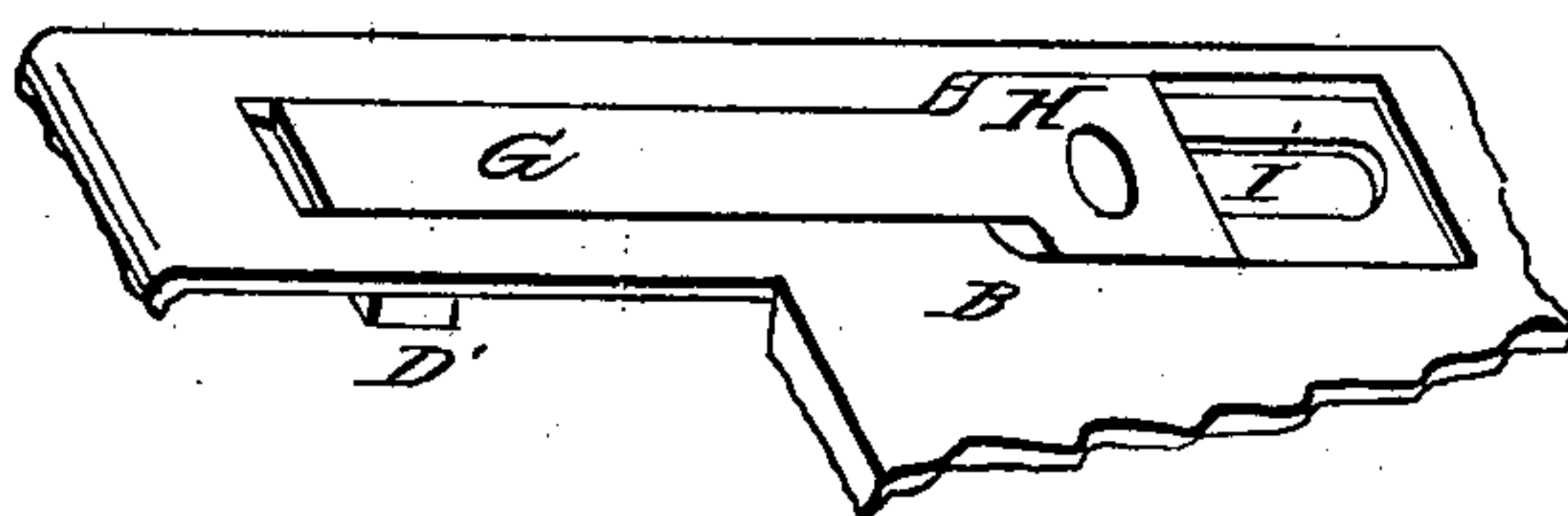


Fig. 4



Witnesses:

E. E. Gibson
Jas. Moryant

Inventor:

E. F. Angell.
By his Attorney
G. L. Chapin

United States Patent Office.

E. F. ANGELL, OF CHICAGO, ILLINOIS.

Letters Patent No. 95,409, dated October 5, 1869.

IMPROVEMENT IN BINDING-GUIDE 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, E. F. ANGELL, of Chicago, in the county of Cook, and State of Illinois, have invented an Improved Binder for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, and letters marked thereon, making a part of this specification, in which—

Figure 1 is a perspective representation of my improved binder.

Figures 2 and 3, representations of the adjustable bars which support the binding-guides.

Figure 4, a broken view of the under side of the binder.

The nature of the present invention consists in the novel construction and arrangement of the bars which support the cloth-guides, they being so arranged as to be adjusted separately or independently, by means of two nuts, turned on one screw-bolt, in combination with a guide-plate, which holds the looped ends of the binder in position, and which, together with the bed-plate, forms a recess for the lower guide-bar to slide in, as the whole is hereinafter fully described.

A represents the top plate, and B, the bed-plate of an ordinary sewing-machine binder, terminating in loops C C, for holding the binding to the cloth, when it is being sewed on, in the usual manner, and D D' represent the ordinary guides for gauging the width with which the binding is to be laid on the cloth.

These parts so far described are well-known devices, but they are enumerated more clearly to show the peculiar construction and arrangement of my improvement.

The bars E G, which support the guides D D', are held in position by a single screw-bolt, H, having a nut, S, placed thereon, between the plates A B and a nut, R, on its upper end, and on the top of plate A.

This arrangement is such that either of the binding-guides, or both of them, can be set to or from the plate I J, fig. 1. The plates A B being provided with slots through them, allows the bars E G to move longitudinally.

The part of the plate I J, shown at J, projects upward, and fits into a notch in the edge of plate A, near the loop C, and that part shown at I, fastens to the inside of plate B, and forms a seat for the bar G, as shown at fig. 4, the plate B being so recessed out that its lower surface and the lower surface of bar G are even.

This arrangement is important, as the plate B can be set closely to the cloth-plate of a sewing-machine, without interfering with the movement of the bar G.

The bar E is provided with two holes, *b*, by means of which the upper binding-guide D can be adjusted a greater or less distance from the guide J than the lower guide D', for lapping binding further on to one side of the cloth than the other.

To make this latter adjustment, it is only required that the nut R be removed, after which the bar E can be lifted off from the screw-bolt H, and moved to the other hole, *b*.

The cloth to be bound is put between the loops C, and the binding to be sewed thereon put between the loops C C and plates A B, the nut S holding the bars E G in place, and the nut R holding the loops C C the required distance apart.

Those parts of the binder shown at M L K, are simply the means used to guide the cloth after it leaves the loops or jaws C, but as their construction and use are well understood, no particular description is required.

Having thus described my invention,

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

The bar G, recessed in plate B, the bar E, the plate I J, fastened to the bed-plate, projecting upward, and serving as a guide for the plate A, the plates A B, and the screw-bolt H, and nuts R S, for operating the binding-guides D D', and loops C C, when all are constructed and arranged as described.

E. F. ANGELL.

Witnesses:

E. E. GIBSON.

JAS. NORQUIT.