

(No Model.)

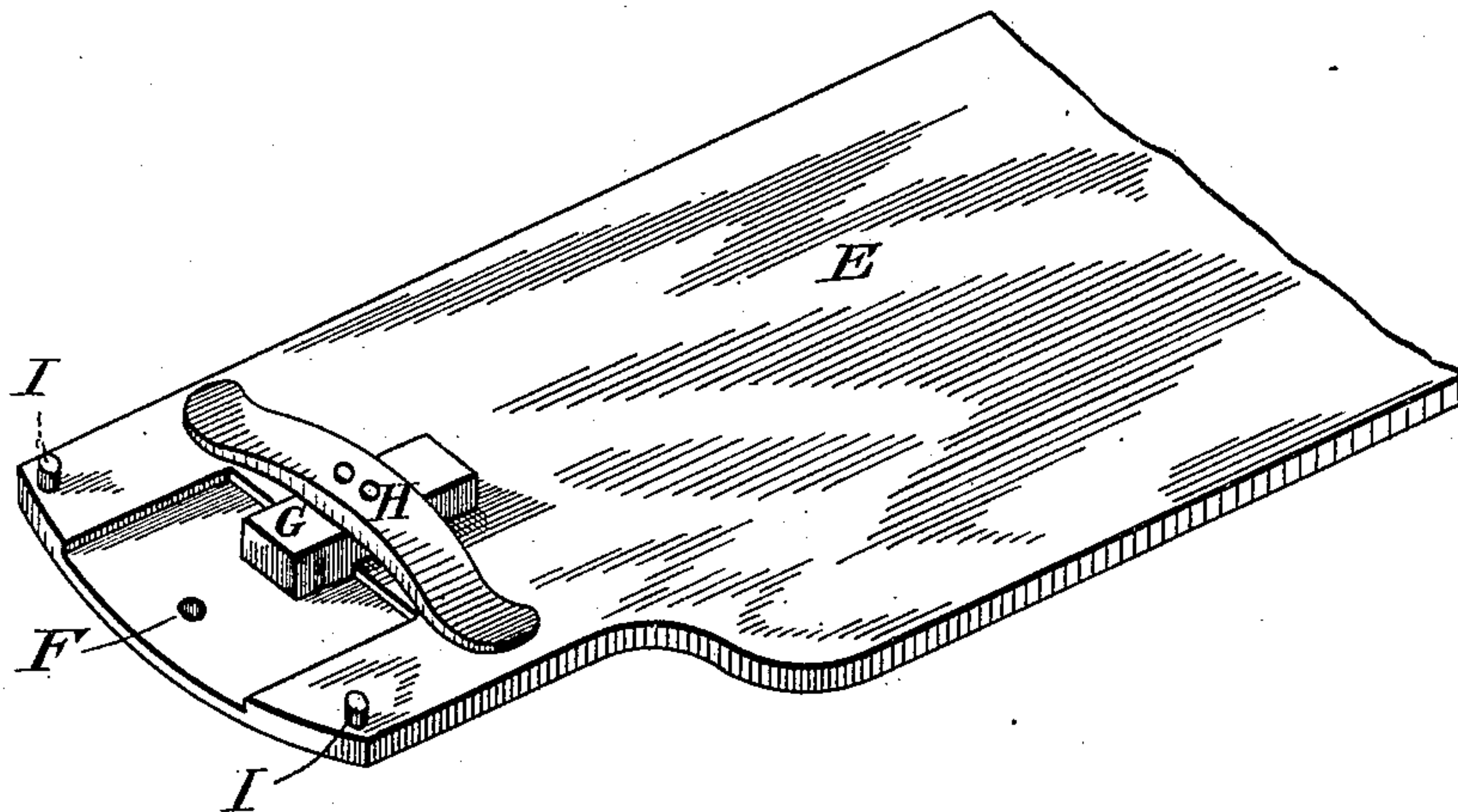
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ATTACHMENT HOLDER FOR SEWING MACHINES.

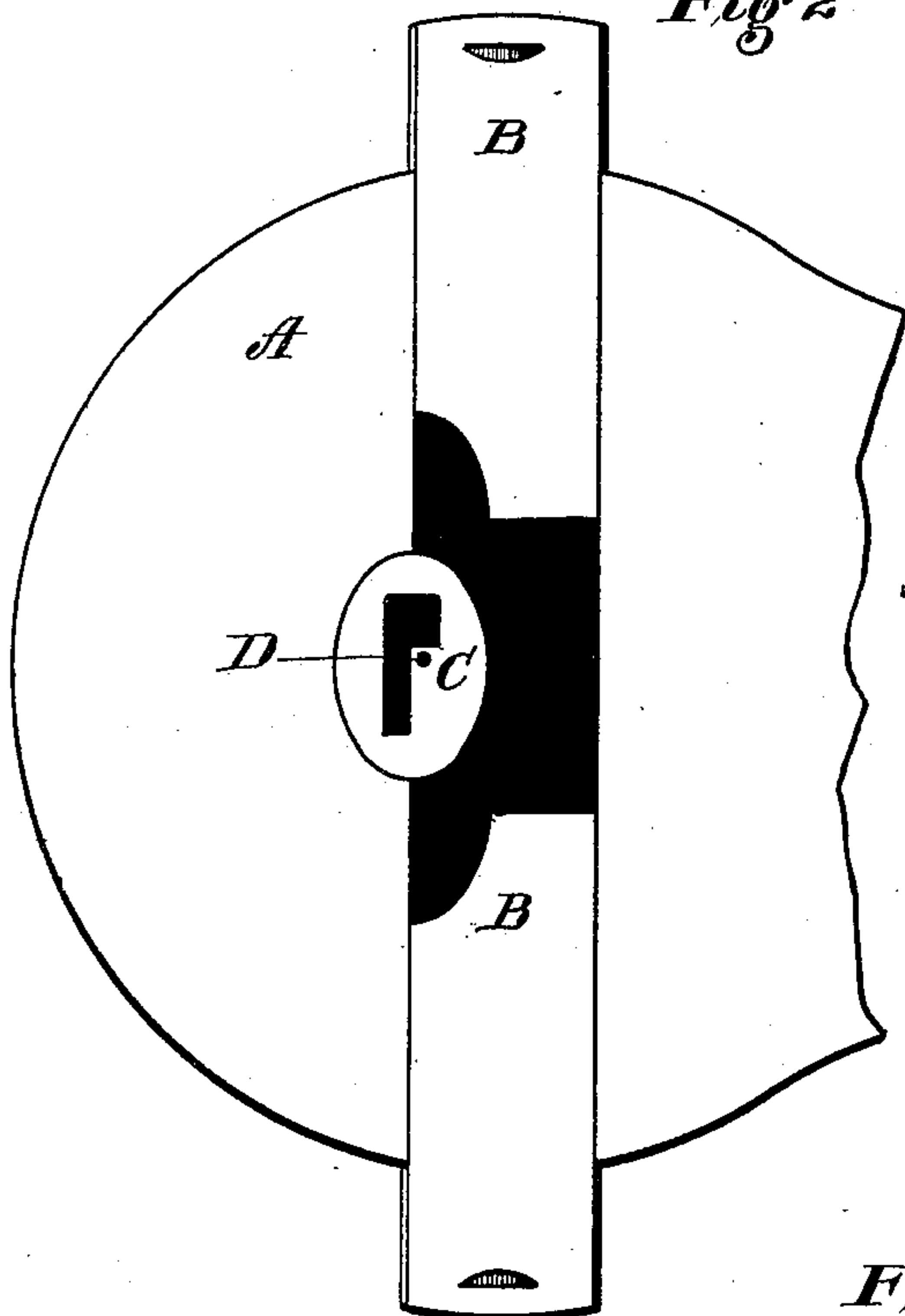
No. 356,458.

Patented Jan. 25, 1887.

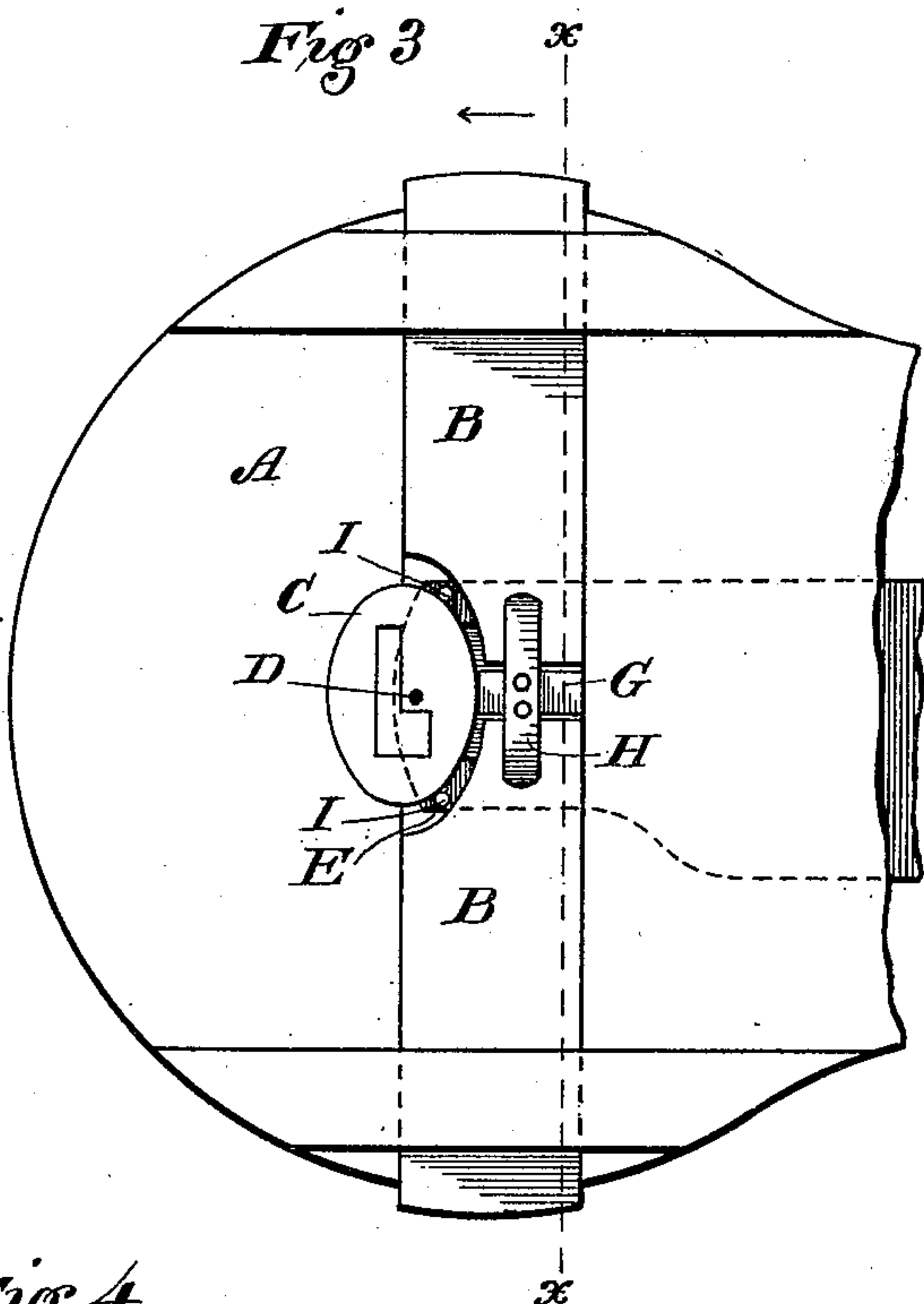
*Fig 1*



*Fig 2*



*Fig 3*



*Fig 4*



Witnesses

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# UNITED STATES PATENT OFFICE.

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## ATTACHMENT-HOLDER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 356,458, dated January 25, 1887.

Application filed April 17, 1886. Serial No. 199,203. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK EGGE, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Securing Attachments to Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain novel and useful improvements in button-hole-sewing attachments for sewing-machines, but has special reference to the manner of securing the attachment to the sewing-machine in the proper position for operation, and has for its object to do away entirely with the ordinary screw-fastening devices and to utilize the construction itself of the the sewing-machine to accomplish the result aimed at; and with these ends in view my invention consists in certain details of construction and combination of elements, hereinafter fully set forth, and then specifically designated by the claim.

In order that those skilled in the art to which my invention appertains may more fully understand the same, I will proceed to describe it in detail, referring by letter to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a bottom perspective of the bed-plate of a button-hole-sewing attachment provided with my improved construction; Fig. 2, a plan view of the forward end of a sewing-machine bed, the raceway-slides being partially withdrawn; Fig. 3, a bottom view of the same with the attachment secured thereto after my improved manner, and Fig. 4 a section taken at the line *x x* of Fig. 3.

Similar letters denote like parts in the several figures of the drawings.

A is the bed-plate of a sewing-machine, and B the shuttle or hook raceway-slides. C is the throat-plate, and D the needle-hole. The parts thus denoted by letter are the only parts of a sewing-machine with which my invention is identified, and by the term "raceway-slides" I mean the covers which close the

opening or openings through which access is had to the shuttle or hook, as the case may be. Furthermore, it makes no difference in the application of my improvement whether a shuttle or a hook is used, or whether there are one or two slides.

The bed-plate of the attachment is denoted by E, and the needle-hole thereof by F. G is a step secured to or formed with the bed of the attachment, and to this step is secured a cross-bar, H, the extremities of which are slightly curved upward, for the purpose presently explained. The length of this step is preferably equal to the shortest distance between the throat-plate and the rear wall of the raceway.

In adapting my improvement to a sewing-machine the raceway-slides are partially withdrawn, as shown in Fig. 2, and the bed of the attachment is simply placed on the bed-plate of the sewing-machine in such manner that the two needle-holes D F will coincide. The slides are now pushed inward, and during their travel will strike against the under faces of the curved ends of the cross-bar H, and thereby be readily guided in their further travel underneath said bar. This bar has a slight spring action, which facilitates the movement of the slides and at the same time causes said bar to have a strong frictional bearing on the slides, so that the latter cannot become displaced by the vibration or motion of the various parts of the attachment or the sewing-machine. In order to still further insure the firmness of the attachment, the step G may be made of such length as to have an abutment with the rear wall of the raceway and the inner edge of the throat-plate; also, pins I may project from the forward lower face of the bed-plate of the attachment in such manner that when the latter is in proper operative position on the sewing-machine said pins will lie snugly against the inner edge of the throat-plate, as shown in Fig. 3. However, both the step and pins are merely auxiliary, since the slides and the bar H by actual experiment have proved amply sufficient to secure the attachment.

I have shown my improvement in connec-

tion with the bed-plate of a button-hole-sewing attachment; but it is equally applicable in securing all other attachments that are capable of being fastened in operative position directly to the bed-plate of the sewing-machine. In sewing-machines in which a hook is used instead of a shuttle there is usually a single slide, and in this instance the bar need extend but in one direction, as the single slide is capable of securing the attachment.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, with the bed-plate of a sewing-machine provided with shuttle-race

slides, of a sewing-machine attachment having upon the under side of its bed-plate a two-way projecting spring cross-bar, the arms of which extend transversely upon each side of the center of said attachment-plate, whereby the slides in closed position may enter between the said spring-bar and the attachment-plate, thereby securing the attachment to the sewing-machine, as set forth.

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

FREDERICK EGGE.

Witnesses:

S. S. WILLIAMSON,  
JULIAN H. STERLING.