

(No Model.)

F. T. STRÖBECK.

THROAT PLATE FOR SEWING MACHINES.

No. 356,510.

Patented Jan. 25, 1887.

Fig. 1.

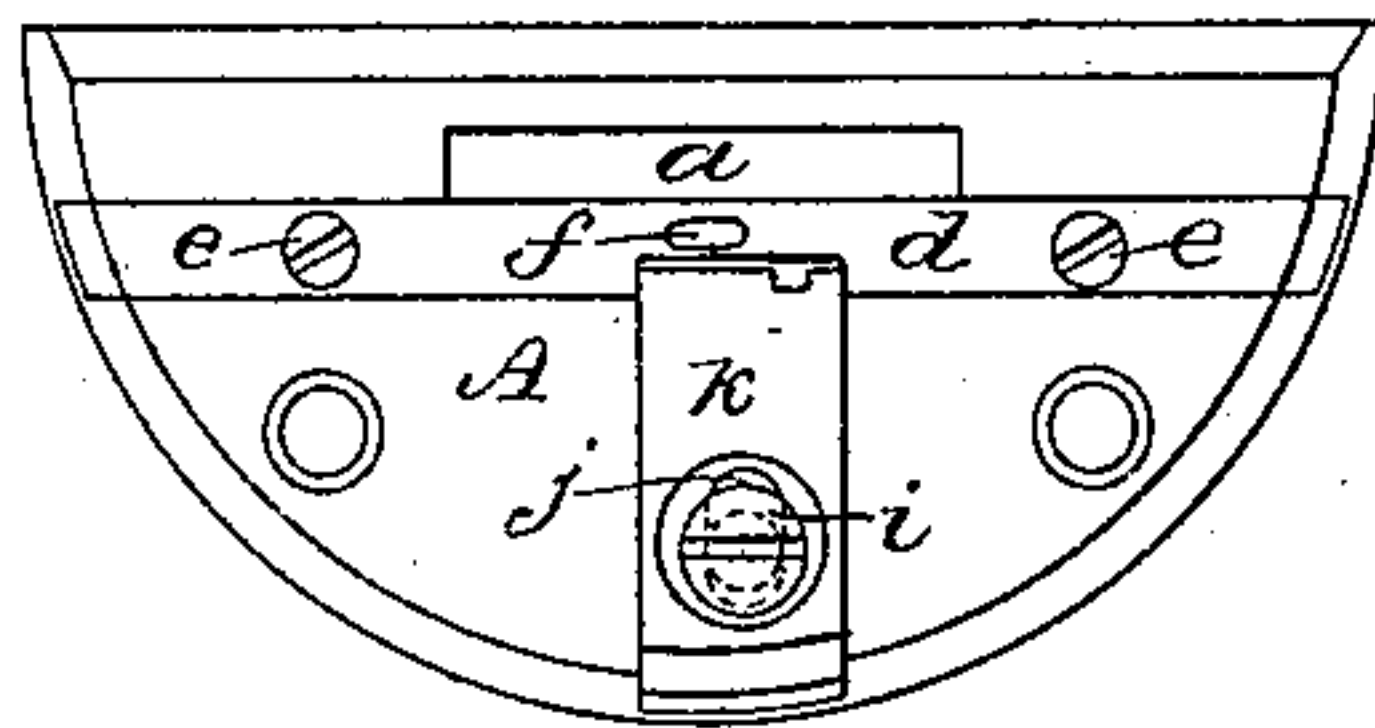


Fig. 2.

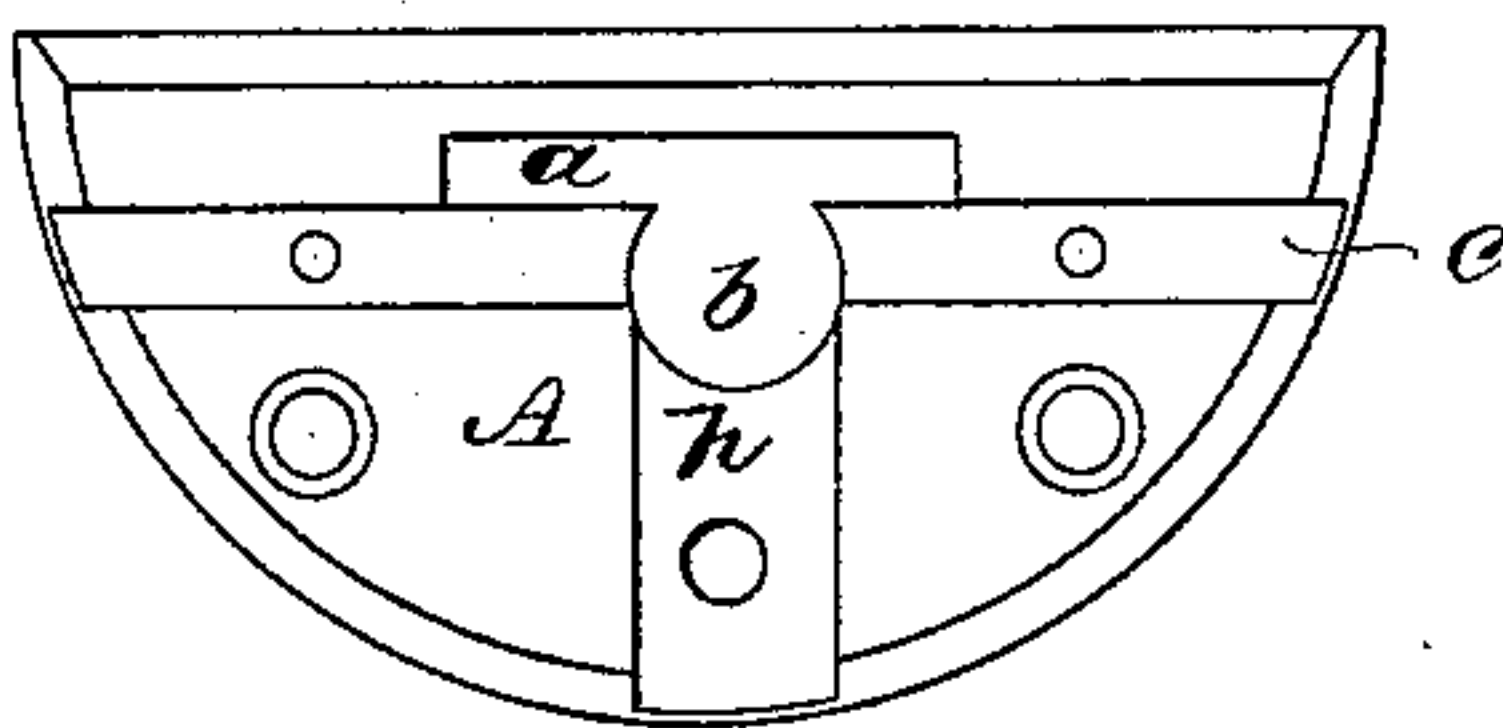


Fig. 3.

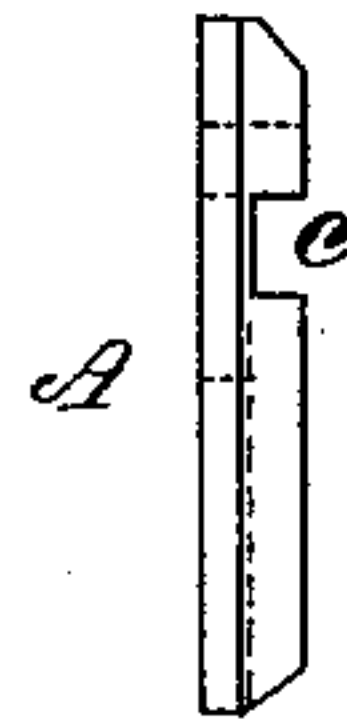


Fig. 4.

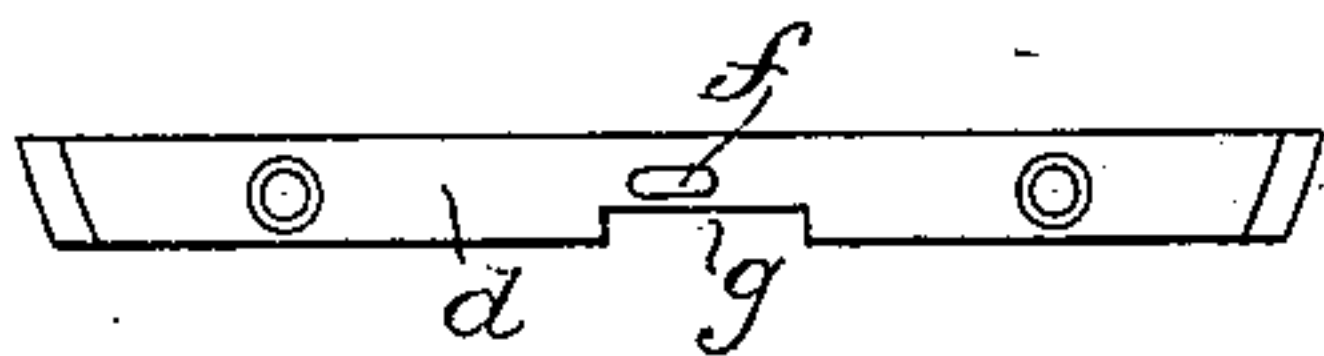
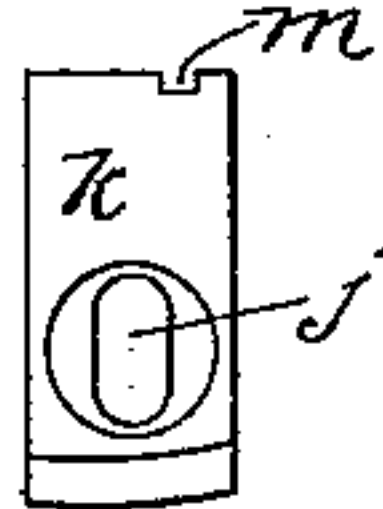


Fig. 5.



WITNESSES:

E. B. Smith
H. R. McCready

INVENTOR

F. T. Ströbeck

BY

Henry Calver
ATTORNEY.

UNITED STATES PATENT OFFICE.

FRANS T. STRÖBECK, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE
SINGER MANUFACTURING COMPANY, OF NEW JERSEY.

THROAT-PLATE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 356,510, dated January 25, 1887.

Application filed June 4, 1886. Serial No. 204,151. (No model.)

To all whom it may concern:

Be it known that I, FRANS T. STRÖBECK, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Throat-Plates for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

10 Sewing-machine throat-plates heretofore used in connection with that class of cutting or trimming attachments the cutting-knives of which have small guiding-fingers and forward of said fingers chisels or cutting-edges
15 have usually been provided with apertures down into which the said fingers and the cutting-knives extended, the edges of the said apertures adjacent to the said cutting-knives co-operating with the latter in severing the material. When, however, the edges of the aperture in a throat-plate become worn, the knife could not cut well, and it then became necessary to supply a new throat-plate.

25 The object of my invention is to provide a throat-plate of such construction that the portions thereof adjacent to the cutting-knife may, when worn, be removed and replaced by new portions without necessitating a new throat-plate, my construction also permitting
30 the trimming to be done at different distances from the line of sewing without changing the throat-plate.

To this end I provide my throat-plate with a removable bar in which the needle hole or
35 throat is made, a recessed portion of said bar forming the side wall of the aperture, against which the edge of the cutting-knife works. Secured to the throat-plate is a second bar or plate, the end of which forms the other side
40 of the knife-aperture, said plate being adjustable lengthwise, so that its end may be moved from or toward the needle-hole. When the walls of the knife-aperture become worn, the plate may be adjusted to compensate for such
45 wear, or the plate and throat-bar may be removed from the throat-plate and new ones substituted therefor without changing the throat-plate. To vary the width of the gage or the distance between the line of cutting and
50 the stitches, the plate may be adjusted toward

or from the needle-hole and a throat-bar having a recess of greater or lesser depth substituted for the bar formerly used.

In the drawings, Figure 1 is a plan view of a throat-plate embodying my invention. Fig. 55 2 is a plan view of the same with the removable plate and throat-bar detached. Fig. 3 is an edge view of the throat-plate; and Figs. 4 and 5 are detail views of the throat-bar and adjustable plate, respectively. 60

A denotes the throat-plate, having the usual feed-opening, *a*, and also an opening, *b*, for the passage of the needle and cutting-knife. Fitting in a longitudinal recess, *c*, in the plate A is the bar *d*, which is removably secured to 65 said plate by screws *e*, said bar having a needle hole or throat, *f*, and a knife-recess, *g*. The plate A is also provided with a transverse slot or recess, *h*, in which is secured, by a screw, *i*, passing through a slot, *j*, an adjustable bar or plate, *k*, the inner end of which extends into the recess *g*, and between which end and the adjacent portion of the throat-bar *d* the cutting-knife works. The plate *k* is provided at its inner end with a notch, *m*, for the 75 reception of the guiding-finger of the cutting-knife.

From the foregoing it will be apparent that the plate *k* may be adjusted toward the bar *d* to compensate for wear, and that the distance 80 of the cutting from the line of the stitches may be varied, within narrow limits, by providing interchangeable throat-bars having knife-recesses of varying depths, and adjusting the plate *k* toward or from the needle-hole *f*, according to the depth of the knife-recess in the bar in use. 85

When the edges of the bars *d* and plate *k*, against which the knife works, become worn, the said bar and plate may be removed from 90 the throat-plate and new ones substituted.

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

1. The combination, with a sewing-machine throat-plate, of a throat-bar removably secured 95 thereto and an adjustable plate secured to said throat-plate at right angles to said bar, substantially as set forth.

2. The combination, with a sewing-machine throat-plate having longitudinal and trans- 100

verse recesses, of a throat-bar removably secured in said longitudinal recess and provided at one side with a knife-recess and an adjustable plate removably secured in said transverse
5 recess, with its end projecting into the said knife-recess, substantially as set forth.

3. The combination, with the throat-plate A, of the bar *d*, removably secured thereto and provided with the needle hole or throat *f* and
10 knife-recess *g*, and the adjustable plate *k*, also

removably secured to the said throat-plate and provided with the recess or notch *m*, substantially as set forth.

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

FRANS T. STRÖBECK.

Witnesses:

T. M. CONPROBST,
V. R. PEIRCE.