

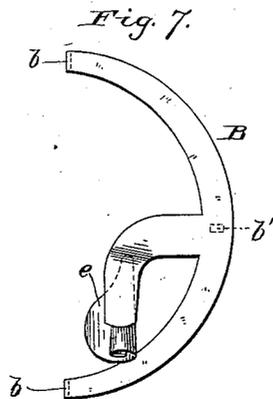
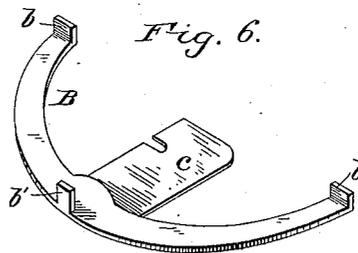
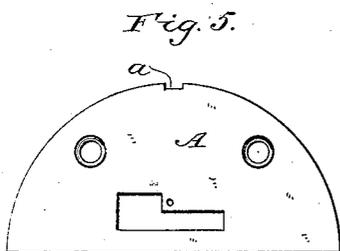
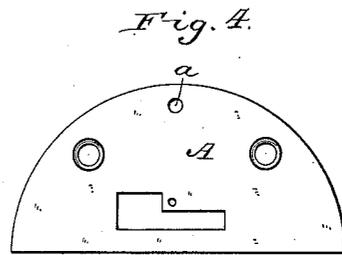
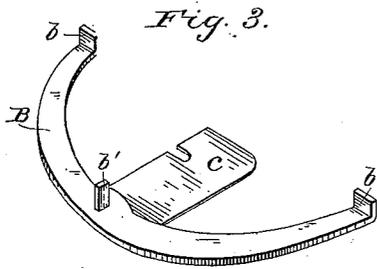
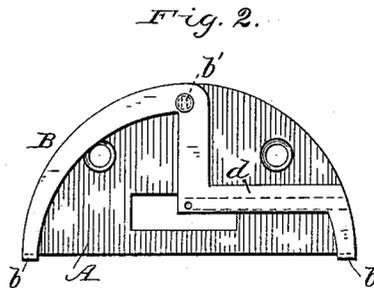
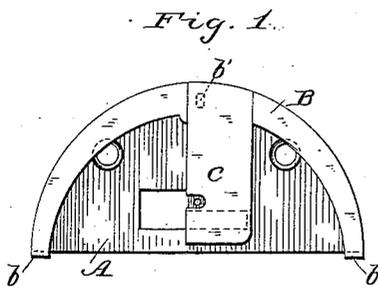
(No Model.)

J. M. GRIEST.

THROAT PLATE ATTACHMENT FOR SEWING MACHINES.

No. 319,703.

Patented June 9, 1885.



Witnesses:

H. N. Low
E. D. Smith

Inventor:

John M. Griest
By Henry C. [Signature]

UNITED STATES PATENT OFFICE.

JOHN M. GRIEST, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE SINGER MANUFACTURING COMPANY OF NEW JERSEY.

THROAT-PLATE ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 319,703, dated June 9, 1885.

Application filed October 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. GRIEST, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Throat-Plate Attachments for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of my invention is to provide an attachment-plate adapted to be removably secured to the throat-plate of a sewing-machine of such construction that it may be quickly and easily fastened to or removed from the throat-plate without the use of attaching-screws or similar devices. I accomplish this object by making my attachment-plate of thin metal and providing it with several depending lips or lugs adapted to impinge against the throat-plate, the resilience of the attachment-plate permitting these lips or lugs to be sprung into engagement with the throat, and thus hold the attachment-plate securely in place.

In the drawings, Figure 1 is a plan view of a half-round Singer throat-plate with one of my attachment-plates in position thereon, the attachment-plate carrying a separator-plate for use in connection with a ruffler. Fig. 2 is a plan view of a throat-plate and an attachment-plate, the latter being made in the form of an under-braider. Fig. 3 is an under side perspective view of the attachment-plate shown in Fig. 1. Fig. 4 is a plan view of the throat-plate shown in Fig. 1; and Fig. 5 a plan view of a slightly different form of throat-plate. Fig. 6 is a detail under side perspective view of an attachment-plate adapted to the throat-plate shown in Fig. 5, and Fig. 7 a plan view of an attachment-plate carrying a hemmer.

A indicates a sewing-machine throat-plate having the usual feed and needle openings and holes for the screws by which it is fastened to the bed-plate of the machine.

B is an attachment-plate provided at its ends with downwardly-turned lips or lugs *b*, and at an intermediate part with a lug *b'*, adapted for engagement with a recess, *a*, in the throat-plate, said recess being preferably at or

near the side of the throat-plate opposite to that which is to be engaged by the lips or lugs *b*. The intermediate lug, *b'*, may be a pin, as shown in Fig. 3, adapted to engage a screw-hole or recess *a*, as shown in Fig. 4, or said intermediate lug may be simply a depending lip, like the lugs *b*, as shown in Fig. 6, adapted for engagement with a recess, *a*, in the edge of the throat-plate, as in Fig. 5.

In order to insure the proper engagement of the attachment-plate with the throat-plate, it is necessary for the attaching lips or lugs to extend at right angles from the body of the former plate, or approximately so, as clearly shown in the drawings.

The attachment-plate, being made of thin metal is somewhat resilient, and said plate may be fastened to the throat-plate simply by inserting the lip or lug *b'* in the recess *a* of the throat-plate and then springing the lips or lugs *b* over the opposite edge of the throat-plate. It is obvious that the lug or lip *b'* in the recess *a* will insure a positive engagement between the two plates, so that the attachment-plate cannot slip on the throat-plate, and with the assistance of the lips or lugs *b*, which have a yielding hold on the edge of the throat-plate, the attachment-plate will be held securely in place.

Instead of a single lug intermediate of the end lugs on the attachment-plate, it is obvious that two or more of such intermediate lugs may be used, if necessary or desirable; but a single intermediate lug will usually be quite sufficient and is therefore preferable.

The attachment-plate may be utilized for holding various attachments which it may be desirable to secure removably to the sewing-machine—the separator-plate *c*, (shown in Figs. 1 and 3,) the under-braider *d*, (shown in Fig. 2,) and the hemmer *e*, (shown in Fig. 7,) being merely illustrations of the use of my attachment-plate.

I claim as my invention—

1. The combination, with a sewing-machine throat-plate having a recess at or near one side, of an attachment-plate having depending lips or lugs at its ends and an intermediate lip or lug, the latter adapted for en-

gagement with the said recess to hold the said attachment-plate positively in place, substantially as set forth.

2. The combination, with a semicircular throat-plate having a recess, of a curved or semicircular attachment-plate having depending lips or lugs at its ends and an intermediate lip or lug adapted for engagement with said recess, substantially as set forth.

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

JOHN M. GRIEST.

Witnesses

JOSIAH SIMMS,
RICHARD SIMMS.