

F. B. CONTESSA.
Sewing-Machine Guide.

No. 94,812.

Patented Sept. 14, 1869.

Fig. 1.

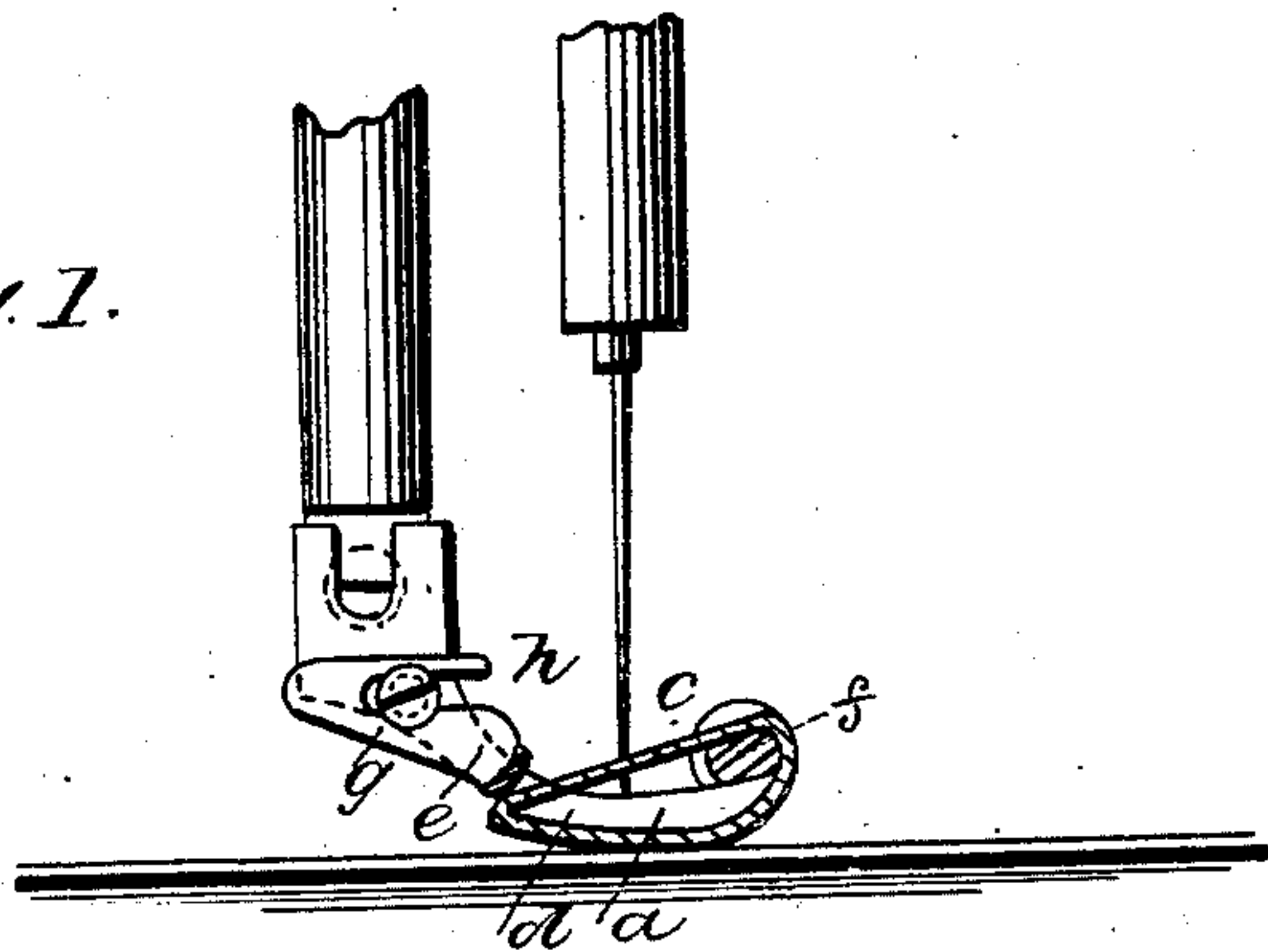
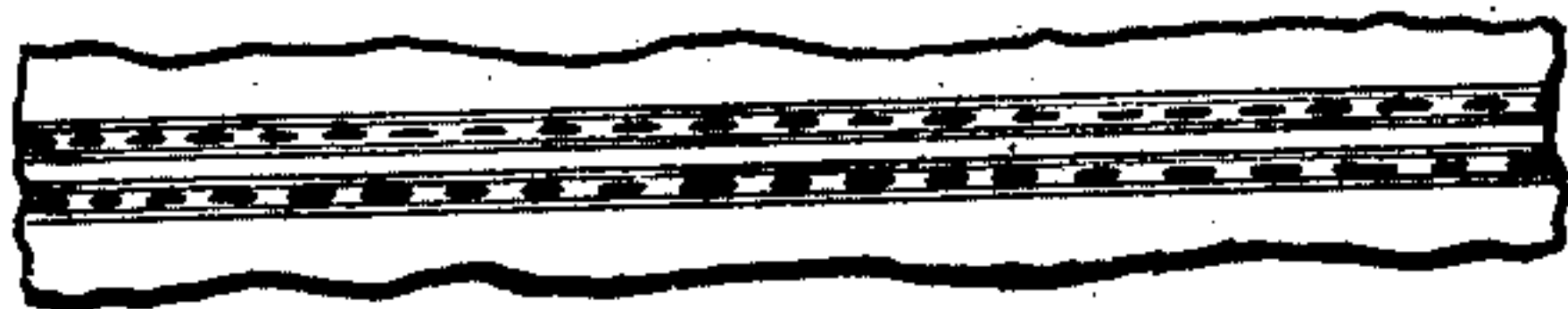


Fig. 2.



Fig. 3.



Witnesses

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FRANCISCO B. CONTESSA, OF NEW YORK, N. Y.

Letters Patent No. 94,812, dated September 14, 1869.

IMPROVEMENT IN PRESSER-FOOT 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, FRANCISCO B. CONTESSA, of the city of New York, in the county and State of New York, have invented a new and useful Improvement in Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to a new and useful improvement in sewing-machines, whereby they are adapted for performing certain kinds of work, in a better manner than such work has been done heretofore; and consists in the attachment to the presser-foot of the machine of a revolving elastic or soft band, which keeps the metallic or hard surface of the common presser-foot from the material sewed, thereby preventing injury to the texture of the finest braid or the surface of the finest silks, or other goods.

In the accompanying drawing—

Figure 1 represents a presser-foot with my attachment, as when in operation, showing also the needle, with portions of the needle and presser-bars, in red color, the section of the presser-foot and attachment being through the line *x-x*, fig. 2.

Figure 2 is a plan view of the same, with the band broken away, or shown in section.

Figure 3 shows a specimen of the work performed.

Similar letters of reference indicate corresponding parts.

a is the ordinary presser-foot, which bears upon the work, and in contact therewith, as it is commonly used. In sewing on fine braid, especially gold braid, for naval or other uniforms, the friction thus produced is injurious to the braid, disturbing the delicate fibres, and materially injuring the appearance of the work.

In sewing fine silks, the presser-foot leaves its trail on the goods, and consequently the use of the sewing-machine for such work is objectionable.

To prevent the abrasion and injury of the finest braid, in being sewed on, and the marking of the finest silks, or other goods, by the presser-foot, I arrange, on the presser-foot, a belt or band, *c*, which revolves when the material being sewed is moved or fed beneath it, and in such a manner that the presser-foot is raised from the material, and the band only is brought in contact therewith, as seen in fig. 1.

To properly locate the band, a slot is made in the presser-foot, as seen at *d*, through which the band passes. To keep the band in place, and give its forward end a smooth and rounded surface to pass over, I apply the plate *e*, having on its end the flanged wrist *f*, which is flattened on both its lower and upper sides, and rests on the toe of the presser-foot, as seen in the drawing. This plate is fastened to the presser-foot by a screw, as seen at *g*.

The slot *h*, in the plate *e*, allows the plate to be adjusted, for giving the proper tension to the band.

Any soft, yielding, or elastic material may be employed for these bands, but I have found chamois leather best adapted to the purpose.

By the use of this revolving band, all objections to the use of the sewing-machine for sewing on the finest braid, as well as sewing silk, or other goods, of the finest texture, are obviated.

Having thus described my invention,

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

In combination, with the presser-foot, of the plate *e*, having the flanged wrist *f* thereon, and the soft revolving band *c*, all arranged and fitted together, as shown and described.

The above specification of my invention signed by me, this 14th day of May, 1869.

F. B. CONTESSA.

Witnesses:

FRANK BLOCKLEY,
C. L. TOPLIFF.