

T. ROBJOHN.
Sewing Machine Guide.

No. 42,876.

Patented May 24, 1864.

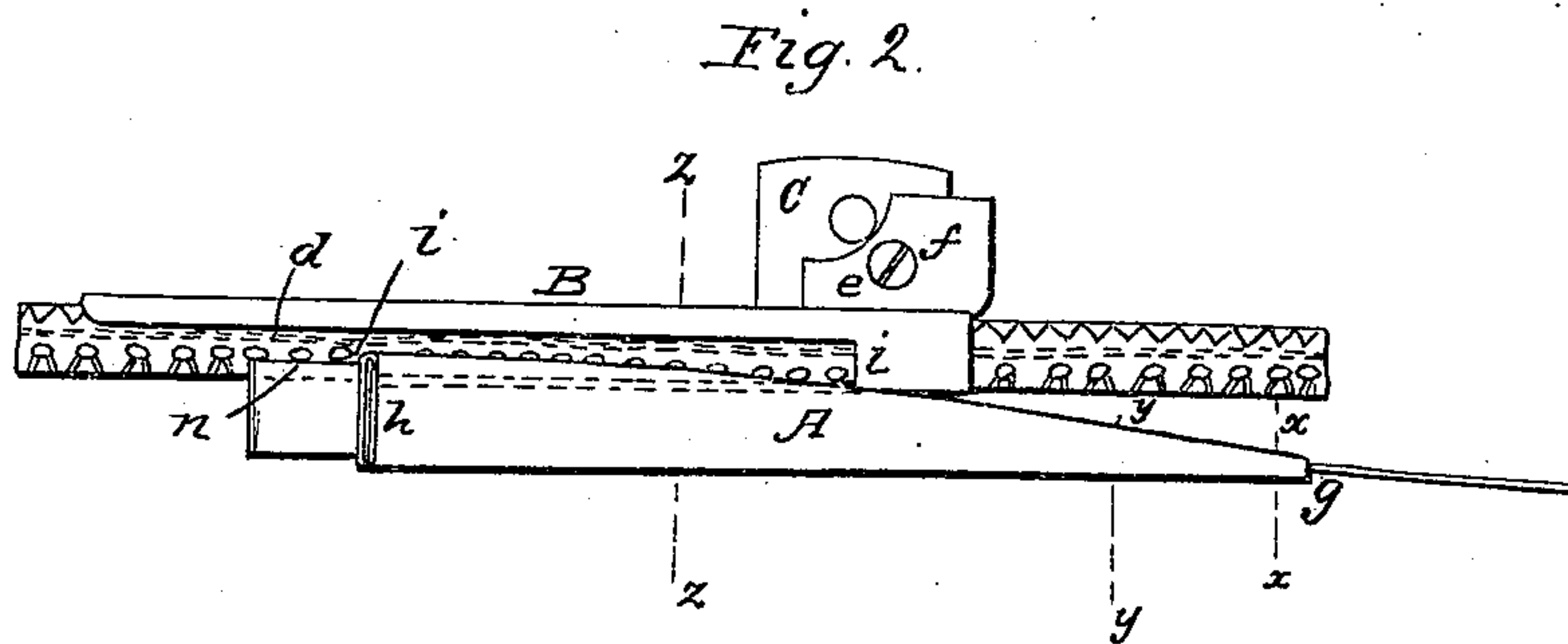
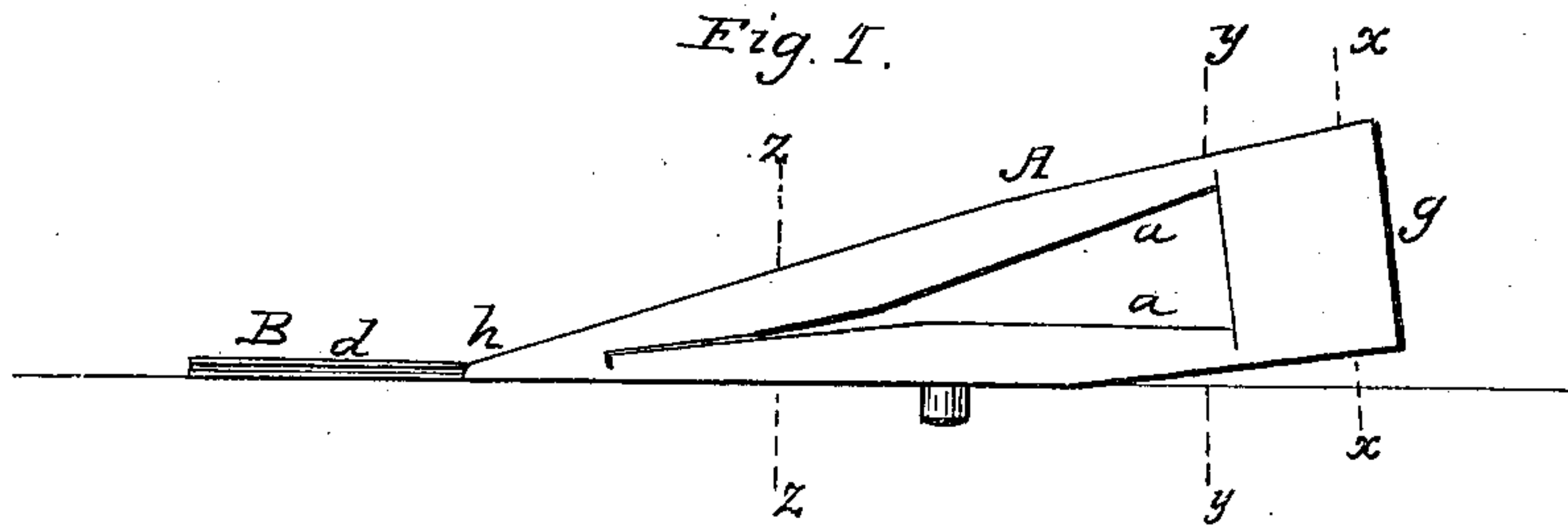


Fig. 4.

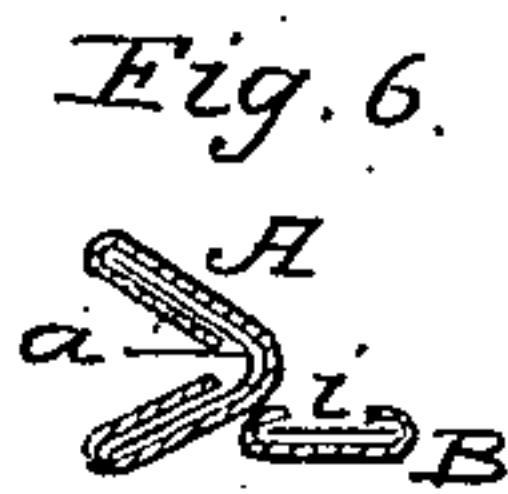
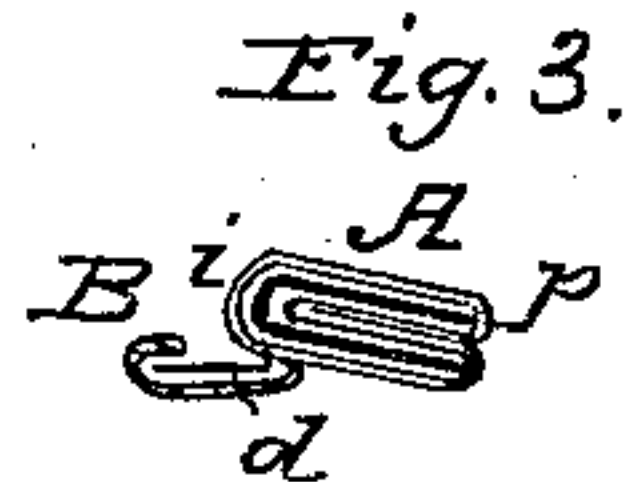


Fig. 5.

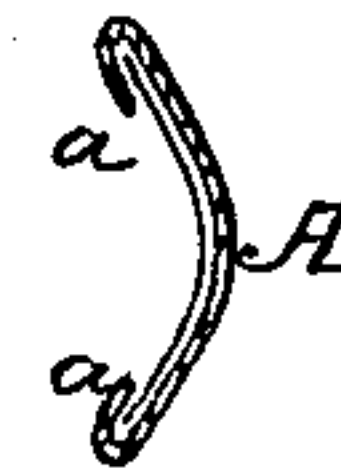


Fig. 7.

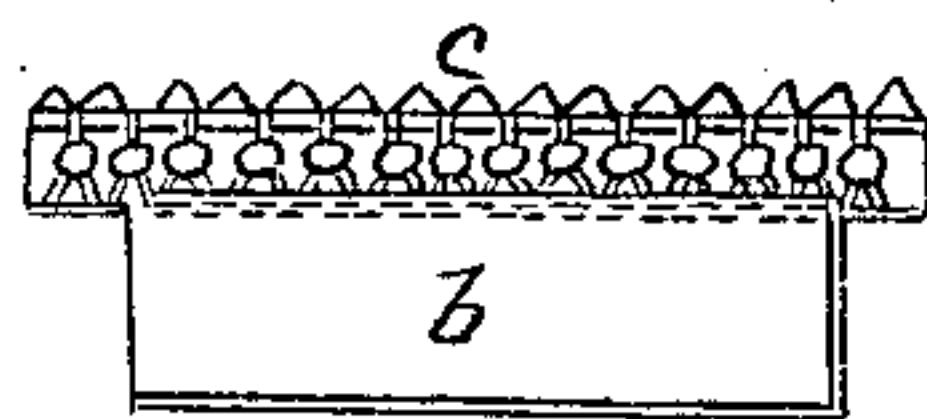


Fig. 8.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN SEWING-MACHINE GUIDES.

Specification forming part of Letters Patent No. 42,876, dated May 24, 1864.

To all whom it may concern:

Be it known that I, THOMAS ROBJOHN, of the city, county, and State of New York, have invented a new and useful Improvement in Sewing-Machine Guides; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of the combination of guides which constitute my invention; Fig. 2, a plan of the same. Fig. 3 is a front end view of the same. Fig. 4 is a transverse section in the plane indicated by the line *xx* in Figs. 1 and 2. Fig. 5 is a transverse section in the plane indicated by the line *yy* in Figs. 1 and 2. Fig. 6 is a transverse section in the plane indicated by the line *zz* in Figs. 1 and 2. Fig. 7 is a face view of the work performed by the guides. Fig. 8 is a transverse section of the same.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in the combination of a folding-guide for doubling a strip of muslin or other material by folding it in a longitudinal direction, and a flat tubular guide for guiding a lace or other edging, whereby the said strip may be folded and the edging delivered in such relation to its folded edge at one operation while both are on their way to the needle of a sewing-machine that the two may be stitched together.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A is the folding-guide, and B the flat tubular guide for the edging. The folding-guide resembles a flattened tube, one end, *h*, of which has been doubled, as shown in Fig. 3, while the other end, *g*, is left flat, or nearly so, as shown in Fig. 4, the intermediate portions approximating more or less to the form shown in Fig. 3, according to their distance from the doubled end. A portion of the tube is left open, as shown at *aa* in Figs. 1, 5, and 6, to expose a portion of the strip *b* of muslin or other fabric as it passes through the said guide and facilitate the introduction of the strip into the tube. By inserting a strip of muslin or other fabric of a width equal to that of the tube into the flat end thereof, and drawing it through, the said strip is doubled by its being folded in a longitudinal line, as shown in Fig. 8 and in red color in Fig. 3.

This guide is permanently or securely attached to a small plate, C, which is to be screwed to the bed-plate of the sewing-machine. The greater part of the length of the guide B for the edging consists of a flat tube of suitable width for the edging *c* to pass freely through; but a portion of it is open on one side, as shown at *d*, in Fig. 2, so that it merely serves as a guide to one edge of the edging. It is arranged, side by side with the guide A, on that side of the latter guide at which the fold of the strip is produced. It has permanently secured to it a foot-piece, *e*, which is secured to the plate C by means of a screw, *f*. The open side of the guide B is the side next the guide A, and the open-sided portion projects beyond the end *h* of the latter guide, whence the folded strip issues. The guide A has its end *h* slightly inclined in a lateral direction, as shown in Fig. 3, that it may lap slightly over the adjacent side of the guide B and deliver the folded edge of the strip *b* on the top of one edge of the edging *c*, as shown in Figs. 2, 7, and 8, in such manner that the two may be sewed together by the sewing-machine. The upper part of the guide B is slotted, as shown at *i*, for the greater portion of its length, to facilitate the introduction of the edging *c* into it.

The two guides A and B, placed side by side, and combined as above described, are so arranged upon the sewing-machine as to deliver the strip and edging in a direction parallel with the feed-movement of the machine, and that the needle of the machine will come into the open-sided part *d* of the guide B at a short distance from the end *h* of the guide A, as shown in Fig. 2, at *n*, which indicates a horizontal section of the needle. The doubled and lace edged strip produced by this combination of guides is more especially intended to form a two-ply frill for ruffles, the ruffling to be produced by a suitable machine after the folding and sewing on the edging.

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

The combination, with a folding-guide, A, of a guide, B, constructed and arranged substantially as herein described, for the purpose set forth.

THOS. ROBJOHN.

Witnesses:

JAS. P. HALL,
GEO. W. REED.