

L. T. CONANT.

Basting Gage for Sewing Machines.

No. 45,477.

Patented Dec. 20, 1864.

Fig. 1.

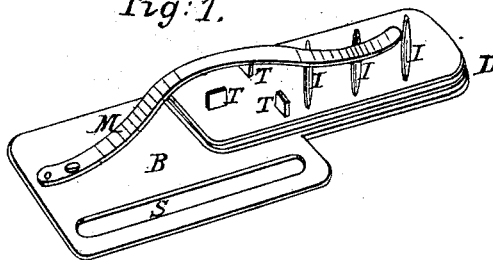


Fig. 2.

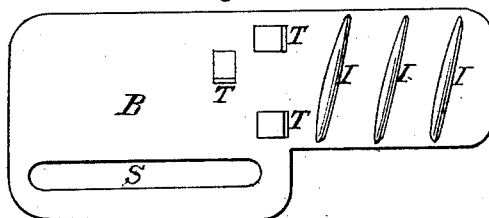


Fig. 3.

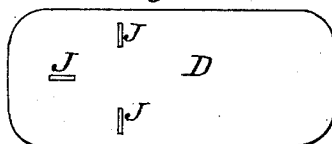
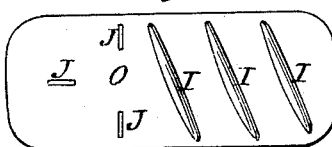


Fig. 4.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BASTING-GAGES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **45,477**, dated December 20, 1864.

*To all whom it may concern:*

Be it known that I, L. T. CONANT, of New Lisbon, county of Columbiana, and State of Ohio, have invented a new and useful machine for the purpose of doing away with the necessity of basting for the sewing-machine; and I do hereby declare the following to be a full and clear description of the same, reference being had to the accompanying drawings, and to the letters of reference in the same, which form part of this specification.

Said machine supplies the place of gage, also a tucker, and will assist in hemming. To tuck, fasten the gage the width of the tuck desired, draw the cloth through the gage, with the tuck folded underneath the cloth, and see that the tucks are up against the guide-pins. To hem, crease the hem the width desired and set the gage so as to sew on the edge of the hem, place the finger on the edge of the hem as it enters the gage to prevent its unfolding.

Figure 1 is a perspective view of my automatic basting-gage, exhibiting the various parts, with their combinations.

It is a well-known fact that more time is consumed in basting and preparing work for the machine than in doing the sewing. My invention is so constructed that where two pieces of cloth are to be sewed together, by placing one piece or thickness of cloth between the lower and middle plates, and another piece between the upper and middle plates of the device hereinafter described and against the guide-pins, the parts being held in their places by the pressure of a spring, as the feed-power of the sewing-machine draws the cloth through the basting-gage, each piece of cloth being separated from the other by the middle plate, (the purpose being to allow one thickness or piece of cloth to pass through the gage without lying in contact with the other piece, each being independently guided without interference from the other,) the diagonal ridges automatically incline the cloths against the guide-pins, delivering the cloth to the needle of the sewing-machine perfectly even at their edges, thereby performing the double purpose of baster and gage.

The nature of my invention consists in the use of a thin metallic plate so constructed as to form a double-acting-pressure automatic basting-gage, which is equally applicable to

thick and thin fabrics, in combination with forming the studs and guide-pins out of the material composing the under plate, and their positions corresponding to the three angles of a triangle or other suitable form, and also forming an upper and middle plate with sockets in them fitting on the studs of the base-plate. These plates extend out from the guide-pins and have three diagonal ridges, both in the upper and under plates, extending inward and resting against the middle plate, the plates being all held in their places by the use of a spring resting on the second ridge on the upper plate, thereby giving a uniformity of pressure from the guide-pins to the end of the plates, both upon thick and thin fabrics alike, between which plates the two pieces of cloth to be united are passed, one above and the other beneath the middle plate, to the needle of the sewing-machine.

To enable others to make and use my invention, I refer to the drawings, and to the letters of reference thereon, which make part of this specification.

Fig. 1 is a plain perspective view of my device complete, all the parts of which, except the spring, are to be made out of thin sheet metal.

In Fig. 2 letter B represents the base-plate, in which are formed or struck up three upright studs or guide-pins, T T T, arranged triangularly; also three diagonal ridges, I I I. The edges of this plate, from the guide-pins to the outer end, are deflected downward to allow the free passage of the cloth; and it is also provided with a long slot, S, for fastening the plate on a sewing-machine.

In Fig. 3 letter D represents a smooth middle plate, with its sockets or holes J J J, cut to fit upon the studs or guide-pins T T T, as seen in Fig. 1. The object of plate D in the basting-gage is to separate or allow two thicknesses or pieces of cloth to pass through the gage, one between the lower and middle plate and the other between the upper and middle plate, without lying in contact with each other, each being independently guided, without interference from the other, to the needle of the sewing-machine.

In Fig. 4 letter O represents the under side of the upper plate, with diagonal ridges I I I, and its sockets J J J to receive the studs or

guide-pins T T T, as seen in Fig. 1, with the outer edges deflected upward from the guide-pins to the end of the plate.

In Fig. 1 is a spring so fastened that its bearing rests upon plate O, over its second ridge, for the purpose of giving an equality of pressure from guide-pins to outer end, as represented.

1. I disclaim the base-plate B, as seen in Fig. 2, with its guide-pins, its diagonal ridges, its deflecting edges, and its long slot S; but I do claim the base-plate B, with its guide-pins T T T, diagonal ridges I I I, deflected edges, and slot S, the whole constructed as described, and combined with the upper and middle plates, as and for the purpose set forth.

2. I disclaim the diagonal ridges I I I, the deflected edges, and the sockets or holes J J J, as seen in Fig. 4; but I do claim the vertically-movable upper plate, O, with its deflected edges, its sockets J J J, as seen in Fig. 4, for fitting on the studs or guide-pins T T T, as seen in Fig. 1, with its diagonal ridges I I I, as seen in

Fig. 4, for the purpose of automatically inclining the cloth against the guide-pins in its passage to the needle of the machine, substantially as described, and for the purposes herein set forth.

3. The smooth vertically-movable middle plate, D, as seen in Fig. 3, with its sockets J J J, for fitting on the studs or guide-pins T T T, as seen in Fig. 1, substantially as described, and for the purposes hereinbefore set forth.

4. I disclaim the spring; but I do claim the spring M, or its equivalent, so fastened that its bearing rests on or over the middle ridge, as seen in Fig. 1, for the holding of plates D and O in their places and giving a gentle and even pressure from guide-pins to point on all materials passing through the basting-gage, substantially as described, and for the purposes herein set forth.

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Witnesses:

HENRY HESSIN,  
CHAS. L. FROST.