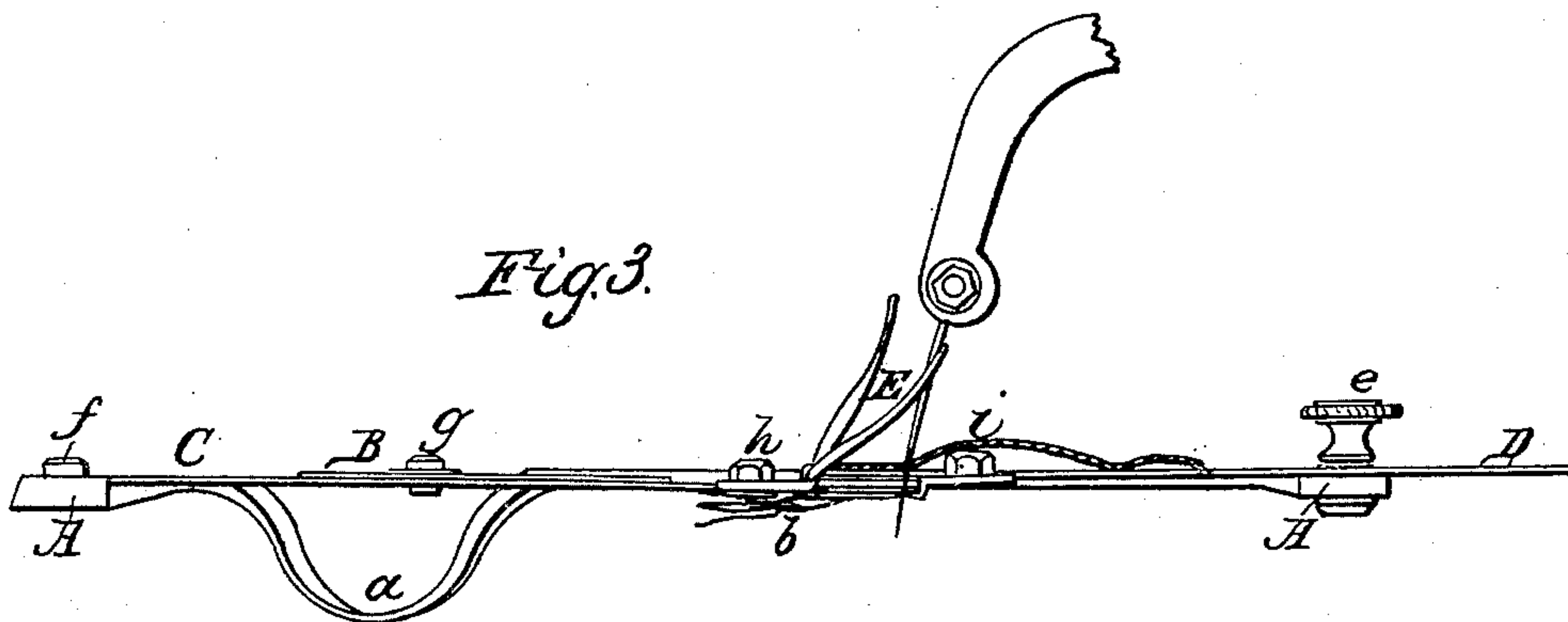
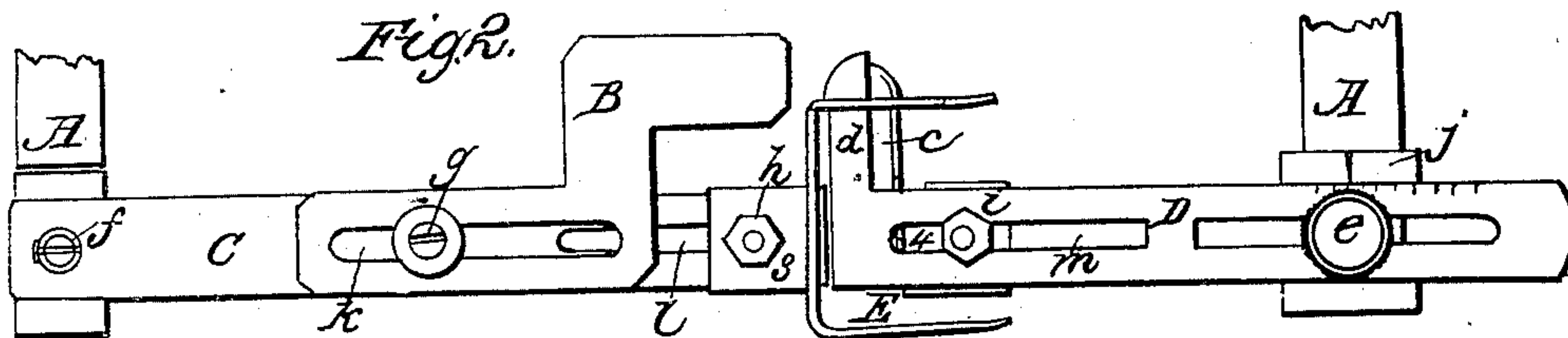
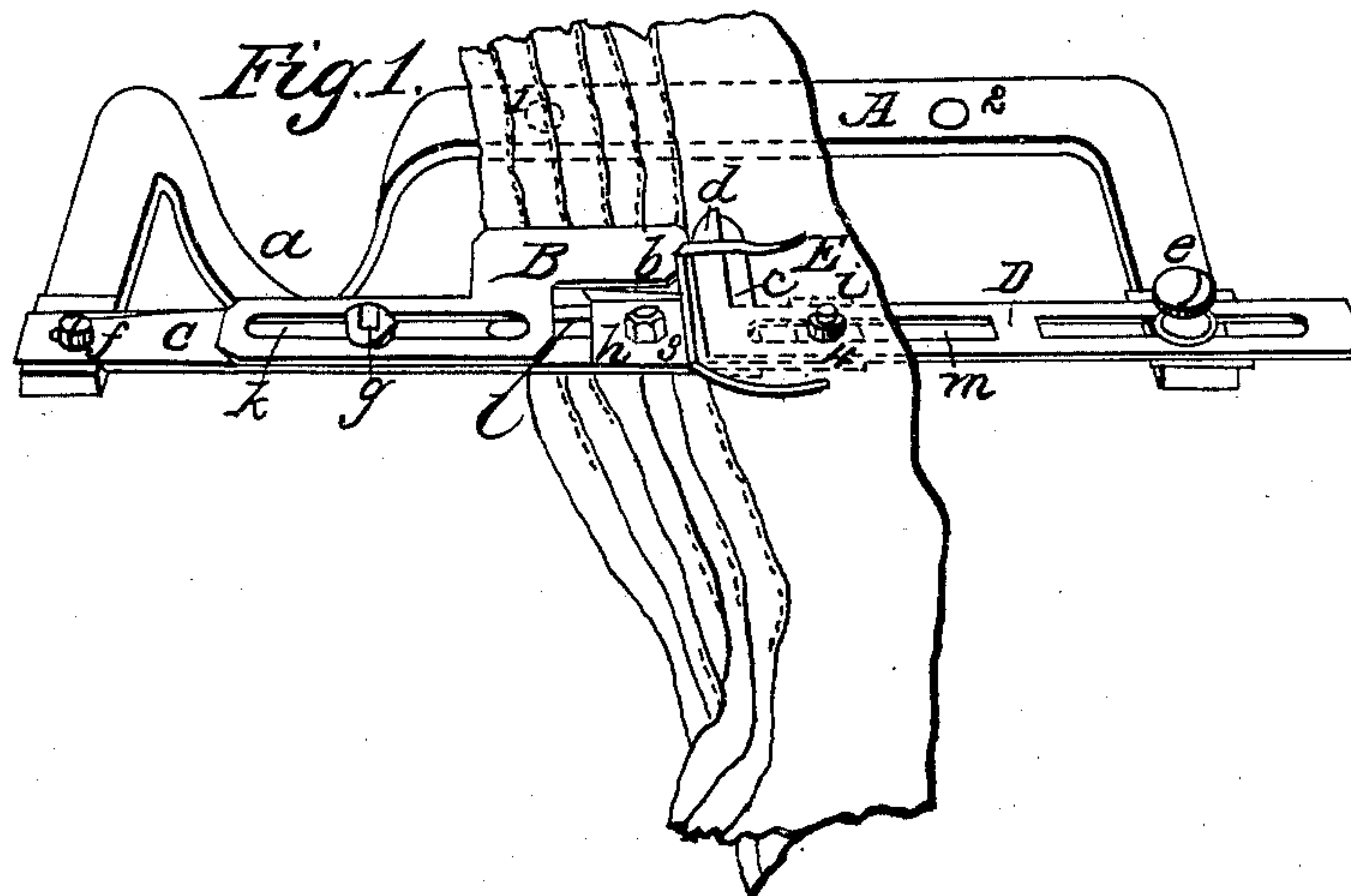


W. PREISS.

Folding and Plaiting Device for Sewing Machines.

No. 57,374.

Patented Aug. 21, 1866.



Witnesses,
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN FOLDING AND PLAITING DEVICES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 57,374, dated August 21, 1866.

To all whom it may concern:

Be it known that I, WILLIAM PREISS, of the city, county, and State of New York, have invented a new and Improved Device for Folding and Plaiting Cloth on Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, figures, and letters of reference thereon, making part of this specification.

Of the said drawings, Figure 1 shows a perspective view. Fig. 2 is a top view; and Fig. 3 is an edge view.

Similar letters of reference indicate like parts in all the drawings.

My invention consists in a novel mechanism whereby the production of folds, plaits, and tucks is greatly facilitated upon sewing-machines, as will be fully set forth.

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

A represents a metal plate or bar, in which are holes 1 2, to secure it to the sewing-machine. To this bar is secured a plate, C, by a screw, *f*, and a plate, D, by a clamp-screw, *e*. This latter plate slides in a groove in the bar A, and is held in place by the clamp-screw *e*. This plate D is also provided with a slot, *m*, in which slides a small lipped plate, 4, adjustable by means of a clamp-nut and screw, *i*. The end of the plate is shaped as shown at *d*, Figs. 1, 2. To the bar C, by a clamp-screw, *g*, is secured an adjustable gage, B, and also a gage-plate, 3, sliding in the slot *l*, and secured by a clamp-nut and screw *h*, the end of the plate C being shaped as shown at *c*. The small plate 3 is provided with a hinged wire furnished with arms E, which may be turned up to remove the material and turned down to hold or assist in holding the fold or plait in place. The gage-plate B is bifurcated in the part which does not rest on the plate C, so that a fold of cloth will pass between readily.

The plate or bar A is curved, as shown at

a, Figs. 1 and 3, so that the material which has been folded, plaited, or tucked and sewed may rest therein and not be in the way.

The operation will be as follows: The apparatus being applied to a sewing-machine by screws through the holes 1 and 2, and the blade C adjusted by the screw *f*, so that the line of sewing will come the desired distance from the edge, the small plates *h* and *i* on the plates C and D are adjusted for the desired width of plait or fold by the clamp-nuts and screws. A fold of cloth is inserted between the edges *c d* of the blades C and D. The blade D is brought up close to the plate 3, and the hinged arms E, being turned down and held by friction, greatly assist in holding the material so that the fold or plait will run even and uniform.

The apparatus is readily adjustable for any width of fold, as will readily be seen from an examination of the drawings. In Figs. 1 and 3 the cloth is represented by the blue shading.

The bend *a* in the bar is a great advantage, as it readily receives the material which has been sewed, and greatly facilitates the passage of the work through the machine.

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

1. The curved bar A, in combination with the blades C and D, constructed and operating substantially as described and for the purposes set forth.

2. The combination and arrangement of the curved bar A, folding-blades C and D, and the hinged holder E, the whole constructed and operating substantially as described and specified.

3. The combination of the hinged holder E with the blades *c* and *d* and the guides 3 and 4, substantially as described and specified.

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Witnesses:

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EDWARD E. OSBORN.