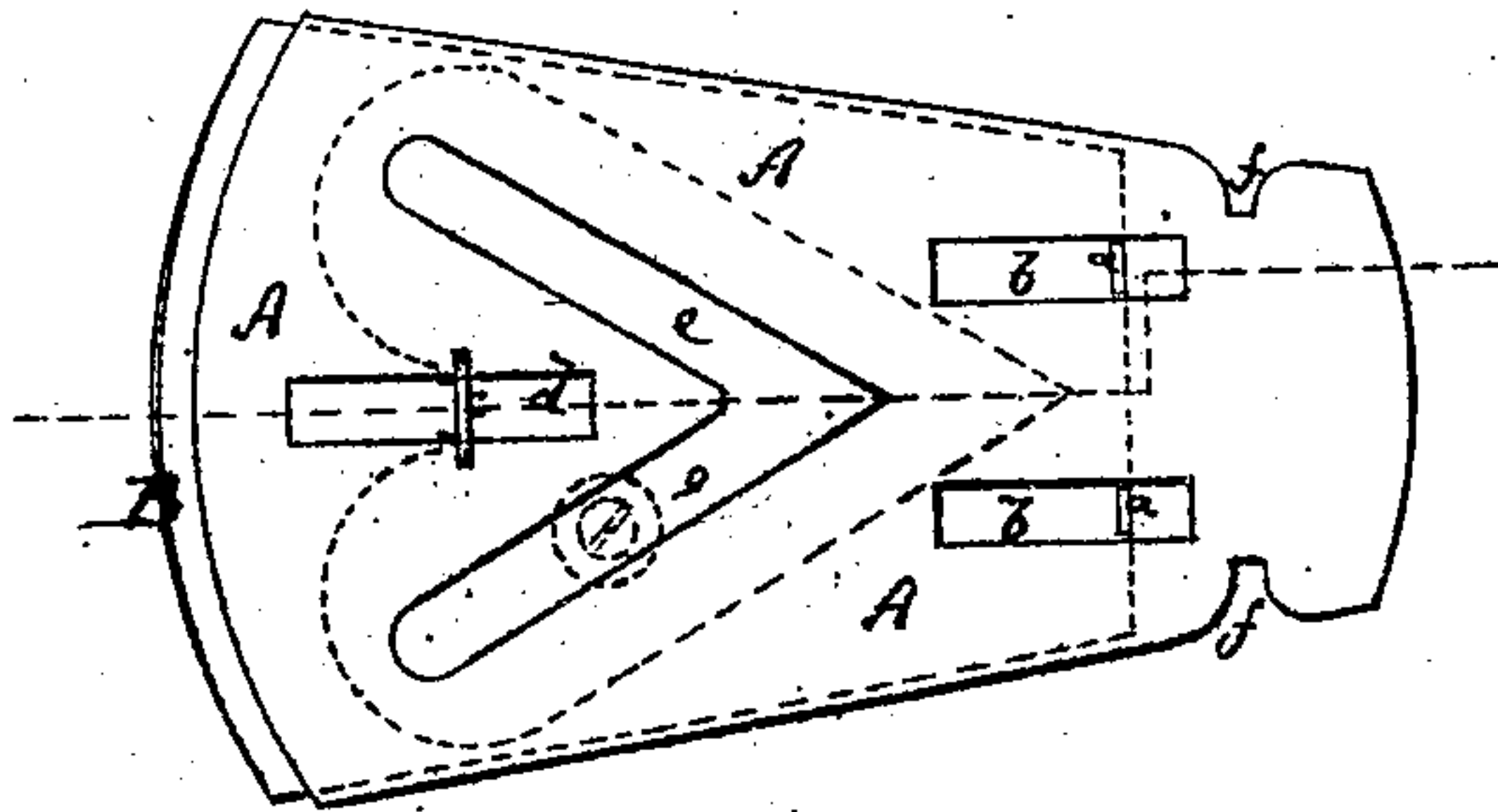


*L.H. Gunnerman,*  
*Ruffler.*

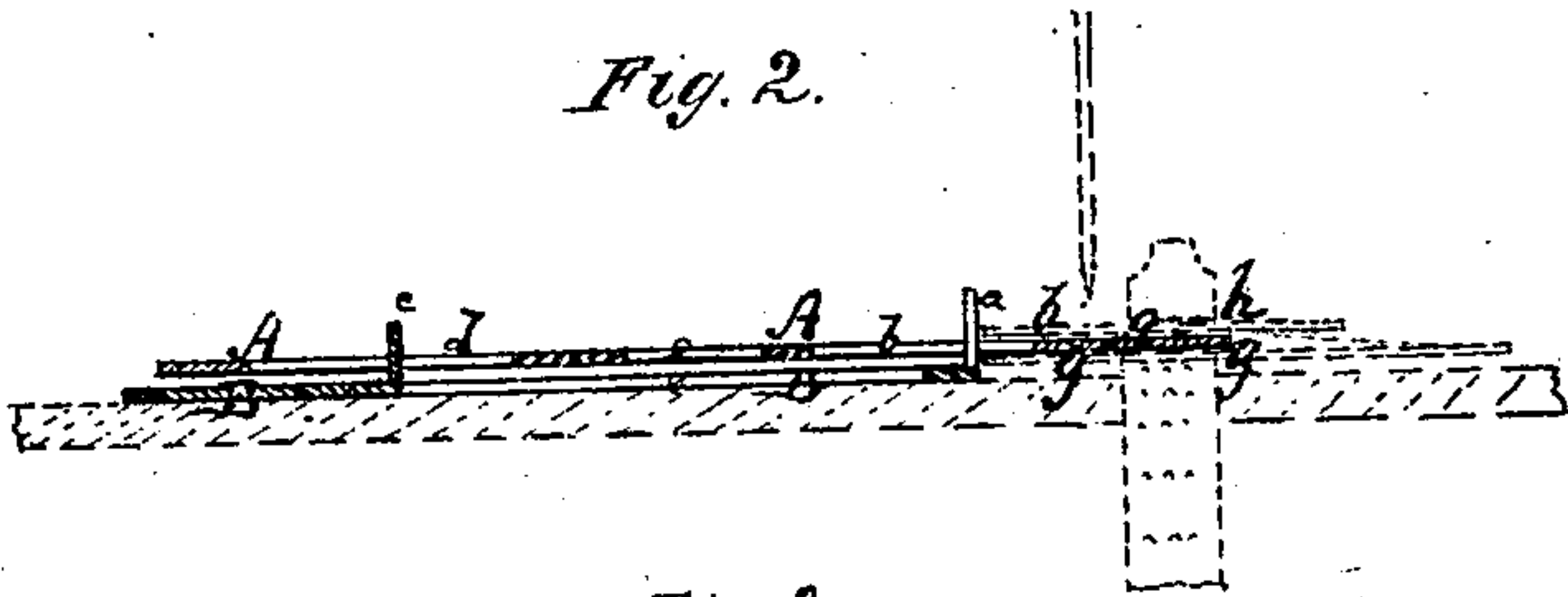
*No. 95,469.*

*Patented Oct. 5. 1869.*

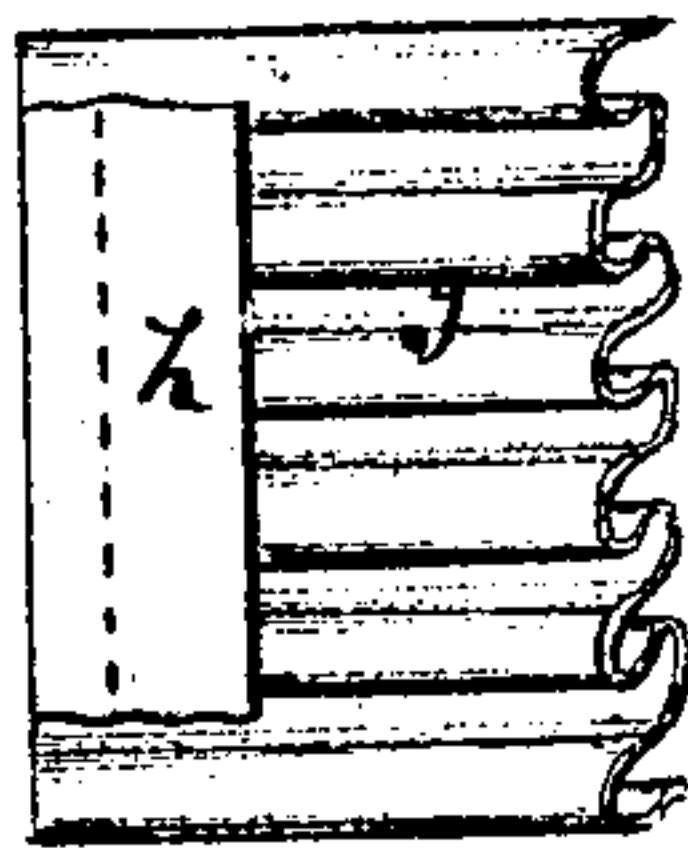
*Fig. 1*



*Fig. 2.*



*Fig. 3.*



**Witnesses:**

*Geo. L. Brooks*  
*Frank H. Kline*

**Inventor:**

*L.H. Gunnerman*  
**PER** *Manu H.*  
**Attorneys.**

# United States Patent Office.

LOUIS H. GUNNERMAN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND WILLIAM G. HOOVER, OF SAME PLACE.

*Letters Patent No. 95,469, dated October 5, 1869.*

## IMPROVEMENT IN RUFFLING-ATTACHMENT 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, LOUIS H. GUNNERMAN, of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and improved Ruffling-Attachment to 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 drawings, forming part of this specification, in which—

Figure 1 represents a plan or top view of my improved ruffling-attachment.

Figure 2 is a longitudinal section of the same.

Figure 3 is a detail face view of ruffled and straight fabric connected by my device.

Similar letters of reference indicate corresponding parts.

This invention relates to a new apparatus for ruffling fabric, and for attaching the same to straight fabric; and

The invention consists in the arrangement of two plates, constructed as hereinafter described, by which the two fabrics will be properly gauged, and separated before they are sewed together.

A, in the drawing, represents the upper, and B, the lower plate of my improved ruffling-attachment.

Both plates are made of sheet-metal or other suitable material.

The lower plate B has two upward-projecting ears, *a a*, which have their faces in line with the direction of feed of the machine, and which fit through longitudinal slots *b*, in the upper plate.

Other ears, *c*, may project through other longitudinal slots, *d*, of A, as shown, for guiding and connecting the two parts.

The plate A has a needle-notch, *f*, in front of the lugs *a*, as shown.

For different kinds of machines, the position of the

needle-notch will be varied, and two are, therefore, shown in the drawing.

The fabric, *g*, to be ruffled or gathered, is placed under the plate A, with its end against the ears *a*, which are moved as far from the needle-notch as the seam is to be from the end of the fabric. The feeder-points will then gather the under fabric.

That fabric, *h*, which is to remain straight, is placed upon A, against the ears *a*, and is held stretched by hand, so that as the threads connect the two fabrics, the lower one will be gathered, and the upper one straight, as in fig. 3.

The lower plate, it will be seen, serves as a gauge for both fabrics.

When the device is to be used, the gauge is first properly adjusted in accordance with the distance which it is desired to have between the seam and the end of the fabric. The plates are then fastened together and to the machine by a screw or screws passing, through slots *e* of the plates, into the machine. Care must, at the same time, be taken to let the needle move in the middle of the needle-notch.

The stitch is regulated in accordance with the degree of gathering or wrinkling to be done. The longer the stitch, the fuller will be the gathering.

Having thus described my invention,

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

The two plates A B, the former having slots *b b*, *e e*, *d*, and needle-notches *f f* therein, and the latter upwardly-projecting lugs *a a c* thereon, when the said plates are constructed and arranged, with respect to each other, and operated as and for the purpose specified.

L. H. GUNNERMAN.

Witnesses:

GEO. F. MORGAN,  
THOMAS ROBERTS.