

Cawl, Corning & Wheeler

Plaiter for Sewing Machines

No. 74990

Patented Mar. 3. 1868

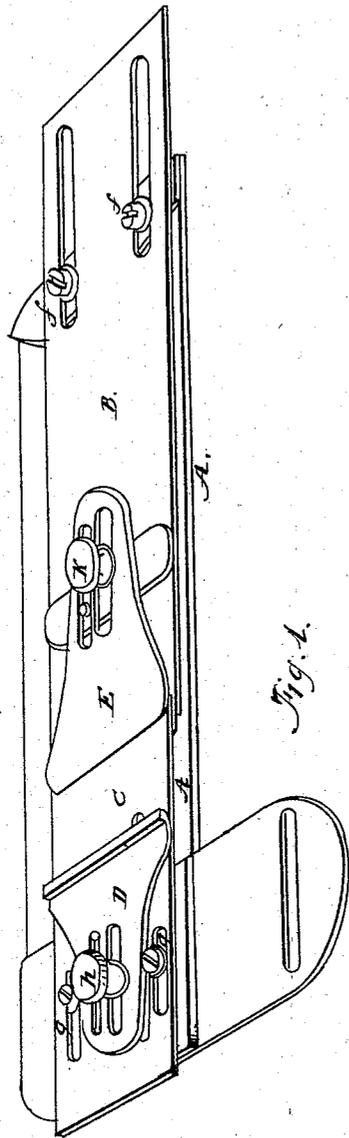
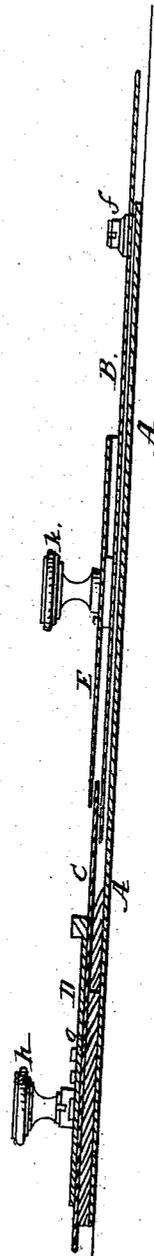


Fig. 1.



Witnesses

Charles P. Kellum  
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Inventor:

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HUGH CAWL, DOUGLASS CORNING, AND JAMES W. WHEELER, OF TROY,  
NEW YORK.

Letters Patent No. 74,990, dated March 3, 1868.

IMPROVEMENT IN PLAITER 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 we, HUGH CAWL, DOUGLASS CORNING, and JAMES W. WHEELER, of the city of Troy, county of Rensselaer, and State of New York, have invented a new and improved "Plaiter," for folding plaits in linen and cotton or other cloth; and we do hereby declare that the following is a full, true, and exact description of the same, reference being hereby had to the accompanying drawings, which make and form a part of this specification.

Like letters represent and refer to like or corresponding parts.

Figure 1 of the accompanying drawings is a perspective view of a plaiter containing our said invention, showing the various parts thereof, each being more fully hereinafter described and set forth.

Figure 2 is a longitudinal section of the plaiter, shown at fig. 1 more clearly, showing the construction and combining of the various parts thereof, substantially as hereinafter described and set forth.

Our invention relates to plaiters which are attached to sewing-machines, for the purpose of laying or folding plaits in linen or cotton cloth preparatory to stitching the same with the machine, and consists in the employment of a gauge or guide, D, for the purpose of fixing the width of the first plait to be laid and stitched in any strip of cloth, and for guiding the cloth through the plaiter while such first plait is being stitched as aforesaid, substantially as hereinafter described and set forth.

It also consists in the employment of the additional blade or gauge E, after the first plait has been stitched, to be placed under each plait and against the row of stitching through the same, to guide the cloth and fix the width of the next plait, substantially as hereinafter fully described and set forth.

To enable others skilled in the art to which our invention relates to make and use the same, we will here proceed to describe the construction and operation of the same, which is as follows, to wit:

A, figs. 1 and 2, is a stationary blade or plate. B, same figures, is an adjustable plate or blade, placed a little above and parallel with the said plate A, with a space between for the reception of the cloth. Said plate B is adjustable by means of the slots and small screws *f, f*. C is a third adjustable plate, on the opposite end of the plaiter, and a little above said plate B, the end of which is between said plates A and C. Said plate C is adjustable by means of the slots and small screws *g, g*. D is an adjustable gauge, regulated by the thumb-screw *h*, and E is an additional blade or gauge, also movable, and regulated by the thumb-screw *k*.

In the use of this plaiter, the blades B and C are first adjusted by means of the screws *f* and *g*, so as to make the plait of the desired width. A strip of cloth is placed in the space between the blades A and B, and the side to be plaited is folded over the end of the blade B, and in the opposite direction over the end of the blade C. The gauge D is then adjusted by means of the thumb-screw *h* to the desired width of the first plait. The cloth is then placed so that its edges rest against said gauge, which guides the cloth as it passes through the plaiter and is stitched by the sewing-machine. By this means the first plait will be of a uniform width throughout its whole length. After the first plait is thus folded and stitched, it is again placed in the plaiter as before, but in such a manner as to fold a second plait by means of the blades B and C. The additional blade or gauge E is then advanced so that its edge enters under the folded edge of the first plait, and rests against the seam. The sewing-machine is then put in motion, and as the cloth is drawn by the feed through the plaiter, said gauge E resting against the previous seam, as aforesaid, guides the cloth, and causes the second plait to be of an exact and uniform width throughout. After stitching the second plait the said gauge is placed under the same and against the seam, and so with any number of plaits as they are successively laid and stitched.

The various devices connected and combined together, and forming the plaiter hereinbefore described, may be of any size and strength deemed best, and may be made of brass or any other material that will answer the required purpose, and can be attached to any sewing-machine without material trouble or expense.

Having thus described the nature of our said invention and improvements, what we claim as our invention, and desire to secure by Letters Patent of the United States, is—

The plates A, B, and C, and the gauge D, for the purpose of guiding the cloth as it passes through the plaiter and regulating the width of the first plait, in combination with the additional blade or gauge E, substantially in the manner and for the purposes herein described and set forth.

In testimony whereof, we have hereunto set our hands, this 29th day of September, A. D. 1866.

HUGH CAWL,  
DOUGLASS CORNING,  
JAMES W. WHEELER.

Witnesses:

CHARLES D. KELLUM,  
R. H. REILLE.