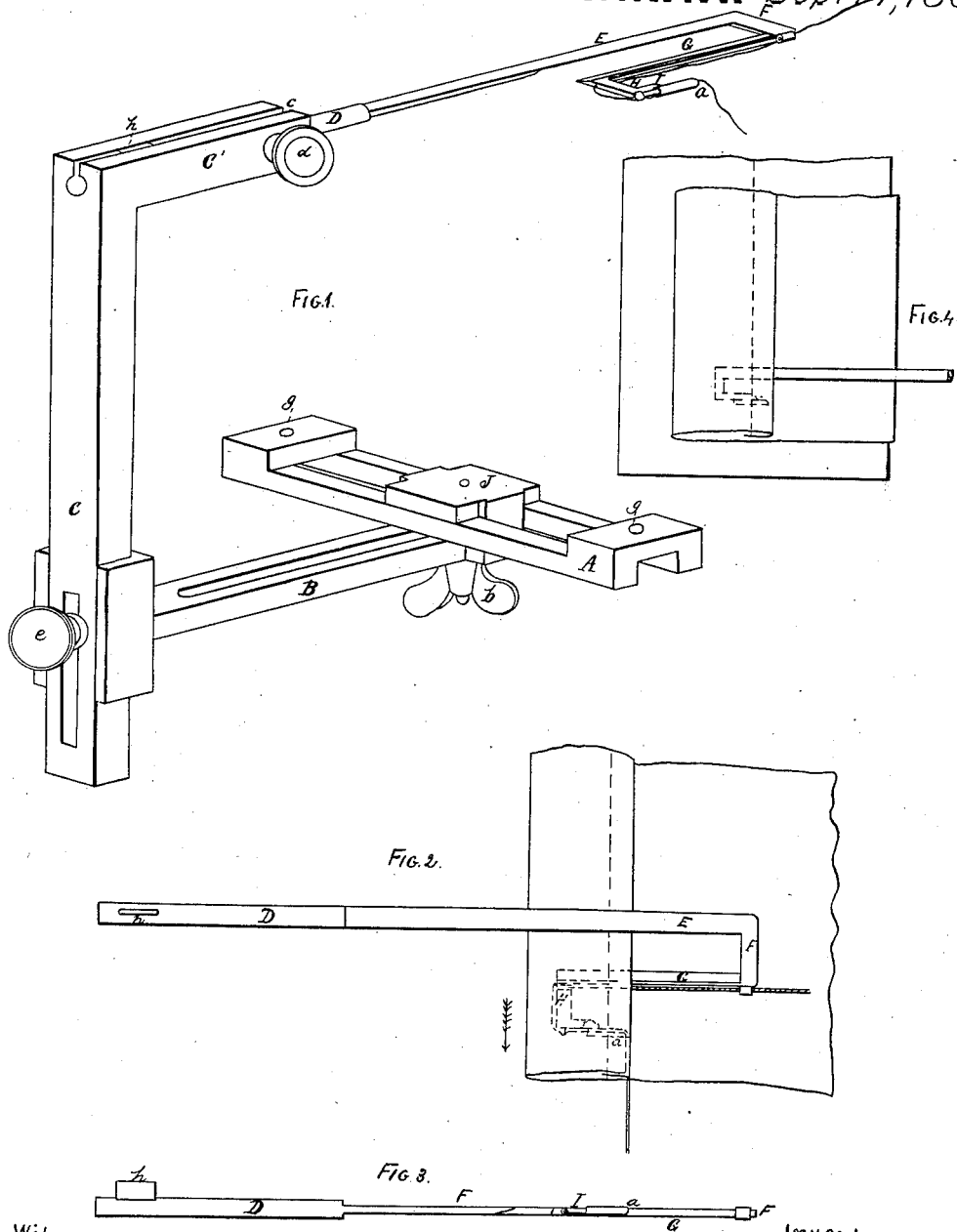


*J. W. Brady.*  
*Guide & Hemmer.*

*N<sup>o</sup> 49968*

*Patented Sep. 19, 1865.*



Witnesses.

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# UNITED STATES PATENT OFFICE.

J. W. BRADY, OF BALTIMORE, MARYLAND.

## IMPROVEMENT IN CORDERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 49,968, dated September 19, 1865.

*To all whom it may concern:*

Be it known that I, JAMES W. BRADY, of the city and county of Baltimore, and State of Maryland, have made new and useful Improvements in Corders for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a perspective view of the same. Fig. 2 is a plan. Fig. 3 is an elevation or side view of the corder.

The same letters refer to corresponding parts in the different figures.

My invention consists of a corder or device for introducing cord into the required position in the doubly-plaited fold of a shirt-front and immediately in the rear of the needle.

To enable one skilled in the art to which my invention appertains to construct and use the same, I will proceed to describe it.

A is a bar, to be suitably attached beneath the table of the sewing machine, and supporting the frame B C C', to which the shank D of the corder is attached. These portions are adjustable on each other in such a manner as to bring the bent portion of the corder E F G H I to the required position on the cloth-plate of the machine as to height and horizontal adjustment.

The position of the point of discharge *a* of the cord is adjusted transversely to the motion of the cloth by means of the slotted arm B, which is pushed in the required direction and secured in position by the set-screw *b*. The same adjustment within a certain range is secured by the withdrawal or protrusion of the shank D of the corder in the slot *c* of the frame C', the required adjustment being made permanent by means of the set-screw *d*.

The vertical adjustment of the corder on the cloth-plate is attained by means of slipping the slotted frame C up or down on the portion B and securing it by the set-screw *e*. The adjustment horizontally in the line of motion of

the cloth, so as to bring the point *a* nearer to or more distant from the needle, is secured by moving the block J in the slot of the bar A and securing it by the set-screw *b*.

The bar A is attached to the under side of the table by means of screws through the screw-holes *g g*. The corder being placed in position and the cord passed through the eyes attached to the corder, as shown in Figs. 1 and 2, the shirt-bosom is placed, as shown in Fig. 2, in such a relation to it that while the portion E lies above and smoothes the main fold the portion G lies underneath it and the secondary fold, when the corder, again taking a turn toward the needle, brings the opening *a* on the portion I over the secondary fold and thrusts the cord into the angle between the two folds. The cloth being now fed along in the direction of the arrow, the needle stitches the three thicknesses of cloth together, securing the cord in the required position.

The corder is prevented from rotating by the fin *h*, which traverses in the upper portion of the slot *c*.

In Fig. 4 is illustrated the shape in which I make the corder when attached on the other side of the cloth-plate, and which I consider substantially the same, though possessing fewer angles or bends, owing to the locality of its attachment.

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

1. The corder E F G H I, substantially as described and represented, and adapted to feed the cord underneath the main fold and into the angle formed between it and the secondary fold.

2. The combination of the devices, substantially as described, by which the corder-shank is moved vertically, laterally, or backward and forward, according to the requirements of this work.

J. W. BRADY.

Witnesses:

JAS. L. CAMP,  
S. H. MARTIN.