

C. PAGE.

Sewing-Machine Attachment.

No. 96,343.

Patented Nov. 2, 1869.

Fig. 1.

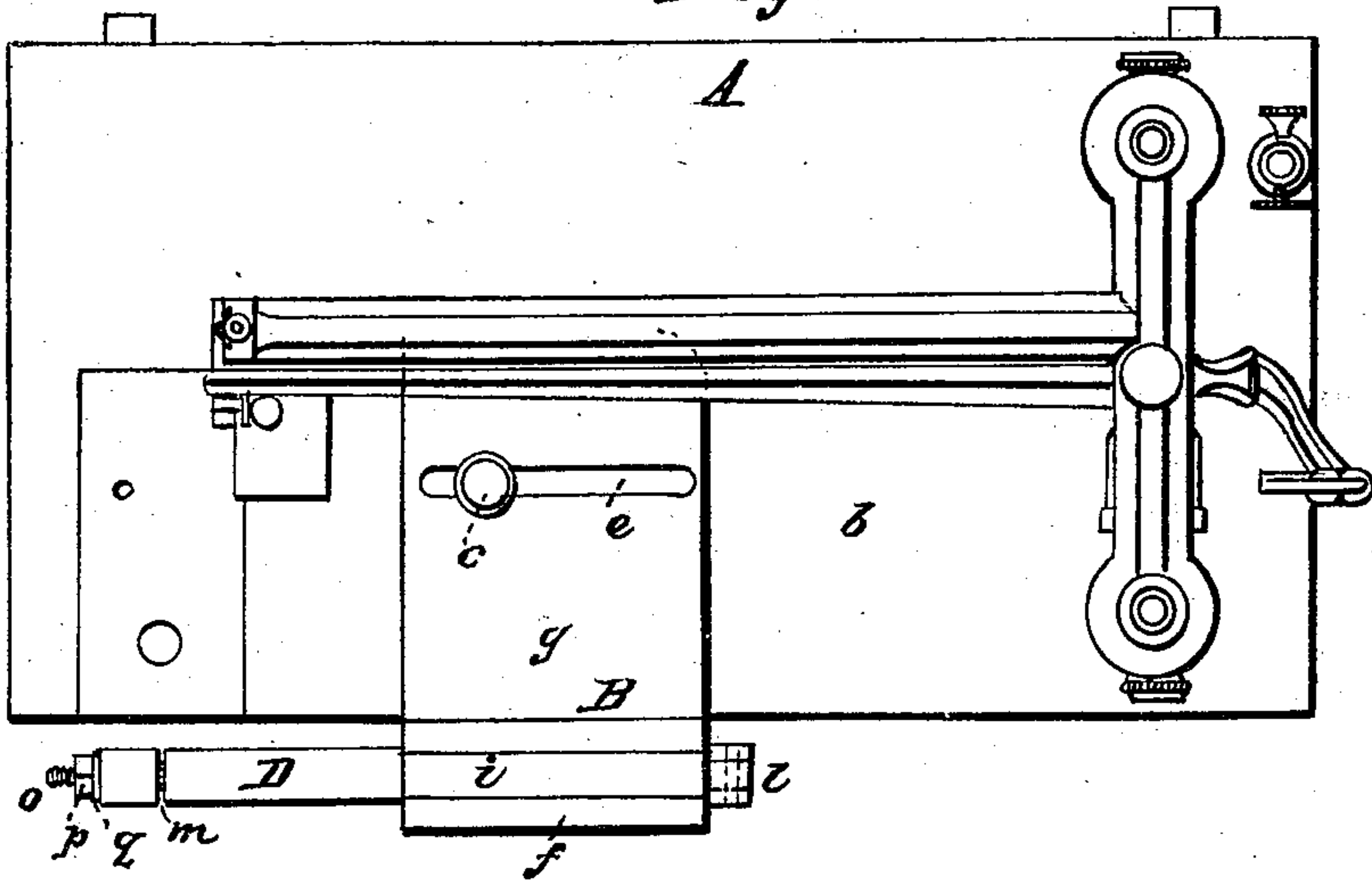


Fig. 2.

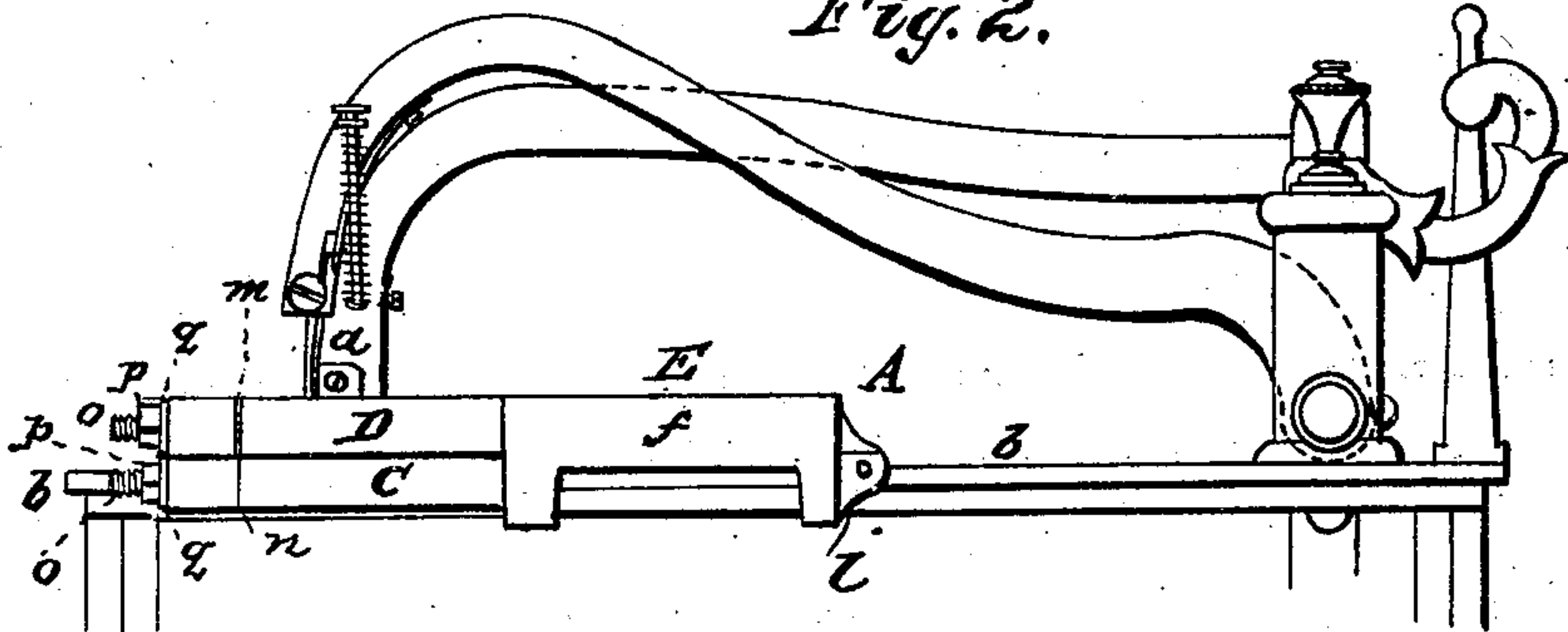


Fig. 3.



Witnesses:

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by his attorney,  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN CREASING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 96,343, dated November 2, 1869.

*To all whom it may concern:*

Be it known that I, CHARLES PAGE, of Washington, in the District of Columbia, but at present temporarily residing at Boston, in the county of Suffolk and State of Massachusetts, have made a new and useful invention having reference to machinery for sewing; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a side elevation, of a sewing-machine containing my invention. Fig. 3 is a vertical section of the two rollers, their journals, and carrier, to be hereinafter described, the section being taken in the line of the axis of each journal.

In the drawings, A denotes an ordinary chain-stitch sewing-machine, of which *a* denotes the needle, and *b* the base-plate. There is fixed to the said base-plate by means of a clamp-screw, *c*, a roller-carrier, B, it having a slot, *e*, made through it to receive the clamp-screw and admit of the carrier being moved rectilinearly and adjusted on the base-plate. The said carrier consists of a cylinder, *f*, or an approximation thereto, and a plate, *g*, extended from it in manner as represented. From one end of the said cylinder a journal, *h*, is projected, such being to receive the lower of a pair of rollers, C D. The spindle or journal *h'* of the upper roller, D, is extended from a joint-piece, *i*, which rests in a recess in the upper part of the head *f*. At its outer end the said joint piece is hinged to the head, as shown at *l*, the whole being so as to enable the journal *h'*, with the upper roller, D, to be raised away from the lower roller, as occasion may require, in order to admit the cloth to be sewed to be laid between the two rollers. The upper of the two rollers has a groove or crease, *m*, made in and around it to receive a corresponding creasing-rib, *n*, which is projected from and extends transversely around the lower roller. Each roller may be kept in place on its journal by means of a screw, *o*, projected from the journal, and also by a nut, *p*, screwed on the screw and against a washer, *q*, the whole being as represented in the drawings. The objects of these rollers are to keep the two or more layers of cloth in their proper relations to each other while being sewed together—that is, to keep either from puckering or

gathering in folds on or under the other, as it is liable to do without the rollers; also, to keep their edges in their normal or proper relations, and also to crease the two pieces where a tuck is to be made in each—such creasing being done by the creasing-rib and groove—while the pieces of cloth may be in the act of passing between the rollers for the purpose of being sewed together. The slot in the carrier-plate serves to enable the creasing-rib and its groove to be adjusted at such distance from the middle or the line of the sewing as occasion may require.

I am aware of the cloth-creasing mechanism described in the United States Patent No. 34,357, to W. L. Fish, wherein two narrow creasing-wheels are used—one being grooved on its periphery, and the other being made sharp or convex to enter such groove. I do not employ wheels, but cylindrical rollers, made so as not only to crease the cloth but to prevent it while passing between them from becoming wrinkled or from puckering or gathering in folds, this latter function not being performed by the creasing-wheels of Fish, which are misnamed “rollers.” I make no claim, therefore, to the employment of creasing-wheels made so as to crease the cloth only.

I claim as my invention the following, viz:

1. The combination of a sewing-machine, A, and a pair of rollers, C D, composed of long cylinders arranged therewith substantially in the manner and for the purpose described—that is, to operate to prevent the cloth while passing between them from becoming puckered or gathered.

2. The combination and arrangement of the creasing-rib *n* and groove *m* with the pair of smoothing-cylinders C D and a sewing-machine, A, arranged together in manner and so as to operate substantially as described.

3. The arrangement and combination of the socketed roller-carrier B and the joint-piece *i*, hinged thereto, with the journals *h h'* and the rollers C D thereof, the whole constituting an apparatus or mechanism to be applied to a sewing-machine, for the purposes as set forth.

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