

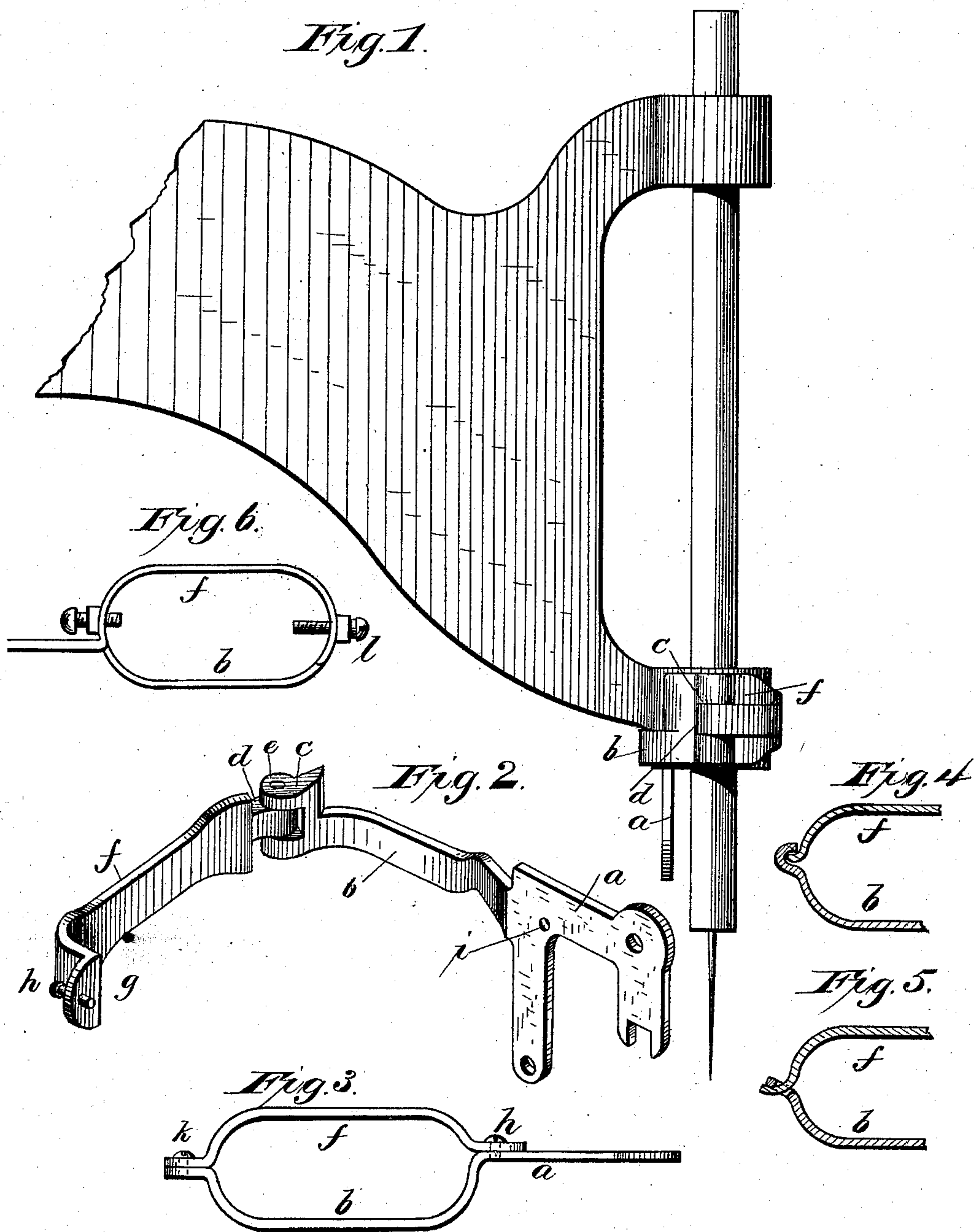
(No Model.)

C. H. CARTER.

Support for Sewing Machine Attachments.

No. 242,752.

Patented June 14, 1881.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SUPPORT FOR SEWING-MACHINE ATTACHMENTS.

SPECIFICATION forming part of Letters Patent No. 242,752, dated June 14, 1881.

Application filed November 15, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HARCOURT CARTER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Supports for Sewing-Machine Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to that class of ruffling and similar attachments for sewing-machines which are secured to the head of the machine instead of to the bed or presser-foot bar; and the object of the invention is to simplify and improve the mode of and means for so securing such attachments.

Before my invention such attachments have been secured to the head of such machines as the Singer and Howe by means of a clamp having an ear resting against the base of the head and by a similar ear and a set-screw applied to the top of the head. In the class of sewing-machines represented by the Wheeler & Wilson such attachments have been secured to the head by a straight arm, with or without overhanging lugs or lips applied to the lower boss of the head by means of screws let into holes purposely tapped therein. Such forms of attachment are not always secure, are costly, and require in some instances additions to the machine itself.

The object of my invention is to afford a device for attaching ruffling or other mechanisms directly to the lower boss of particularly that class of machines represented by the Wheeler & Wilson without any modifications or alterations of the machine, and which will be perfectly secure, free from liability to displacement, and readily applied.

To these ends my invention consists in providing the frame of a ruffling or shirring or other sewing-machine attachment with a clamp constructed to encircle the lower boss or head of the machine, and adapted to be tightened,

and thereby be firmly, rigidly, and securely held in position, as hereinafter particularly specified and claimed.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is a rear elevation of a sewing-machine head with one form of my clamp or support in place. Fig. 2 is a perspective view of the support open and detached. Figs. 3 and 6 are top views, and Figs. 4 and 5 are horizontal longitudinal sections, of modified forms.

a is a frame of a ruffling or other attachment. This frame is extended rearwardly into a curved arm, *b*, having the half *c* of a hinge. Secured to this arm by the other half, *d*, and pintle *e* of this hinge is a swinging curved piece, *f*. The parts *b* and *f* are curved or otherwise shaped to adapt them to the head of the machine for which they are intended. The piece *f* has a lip, *g*, screw-tapped and provided with a screw or other fastening device, *h*, adapted to engage the frame, as in a threaded hole, *i*, therein. This support is secured to the head of the machine by placing its parts *b* and *f* thereabout and securing them together by the fastening device *h* in the position shown in Fig. 1, said fastening device permitting a perfect adjustment of the support about heads of varying contour or having any unevenness by means of the variableness of extent of clamping.

In Fig. 3 the hinge *c d e* is replaced by a screw, *k*, the part *f* being detachable. In Fig. 4 the two parts *b* and *f* are provided with interlocking curved ends, and in Fig. 5 the part *b* has a curved slotted end, through which a tongue on the part *f* extends to lock the parts together. In all these forms the joint is a movable one, permitting a certain amount of contraction or expansion to adapt the support or clamp to variations in the size of the head. This may also be accomplished, in a measure, by making the two parts *b* and *f* in one casting with the frame and adjustably securing the same to the sewing-machine head by a clamping set screw or screws, *l*, arranged in the end or ends of the same. (See Fig. 6.) In all these cases it is deemed essential that the support

shall encircle or completely surround the head of the machine and be adjustably held thereto in order to secure that stability of fastening that will insure the rigid attachment of the ruf-
5 fler, &c., to the machine, and that will permit of its compression or binding thereabout.

What I claim is—

1. In a ruffling or shirring mechanism, a frame provided with a support adapted to en-
10 circle or extend entirely about or around the sewing-machine head and be clamped thereto, substantially as described.

2. In a ruffling or shirring attachment, a frame provided with a support therefor adapt-
15 ed to encircle or extend entirely around or about the sewing-machine head, in combination with a screw or screws extended through said frame

or support, to clamp said frame or support firmly to the sewing-machine head, substan-
tially as described. 20

3. A support for ruffling or shirring or kindred attachments for sewing-machines, composed of an extension of the frame and a piece movably attached thereto and adapted to be rigidly connected therewith, the two parts be-
25 ing constructed to fit about a sewing-machine head and to be firmly secured thereto, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. H. CARTER.

Witnesses:

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