2 Sheets—Sheet 1.

# J. H. OSBORNE.

## Cutting Attachment for Sewing-Machines.

No. 224,219. Patented Feb. 3, 1880.

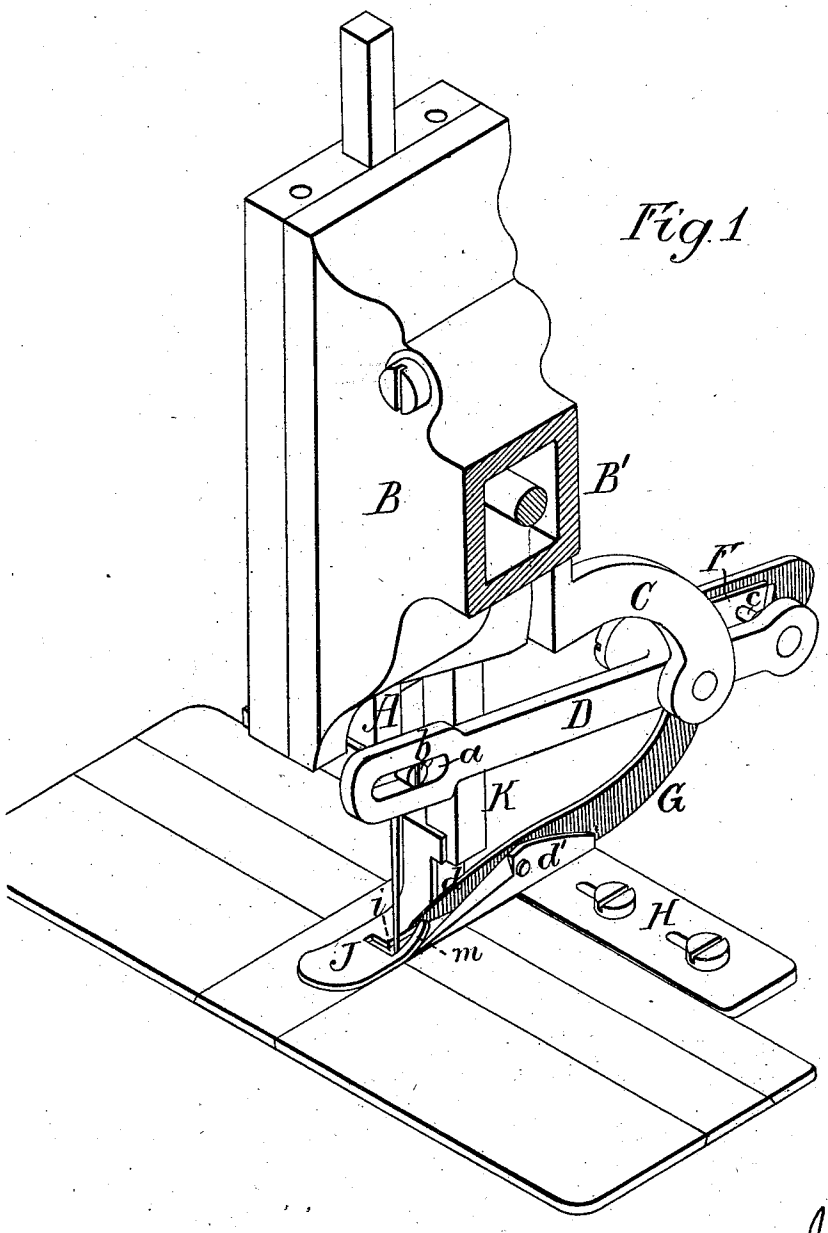


Fig. 1

Witnesses
Henry Howson Jr.
Harry Smith

Inventor
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by his Attorneys
Howson & Sons

2 Sheets—Sheet 2.

# J. H. OSBORNE.

## Cutting Attachment for Sewing-Machines.

No. 224,219. Patented Feb. 3, 1880.

Fig. 2.

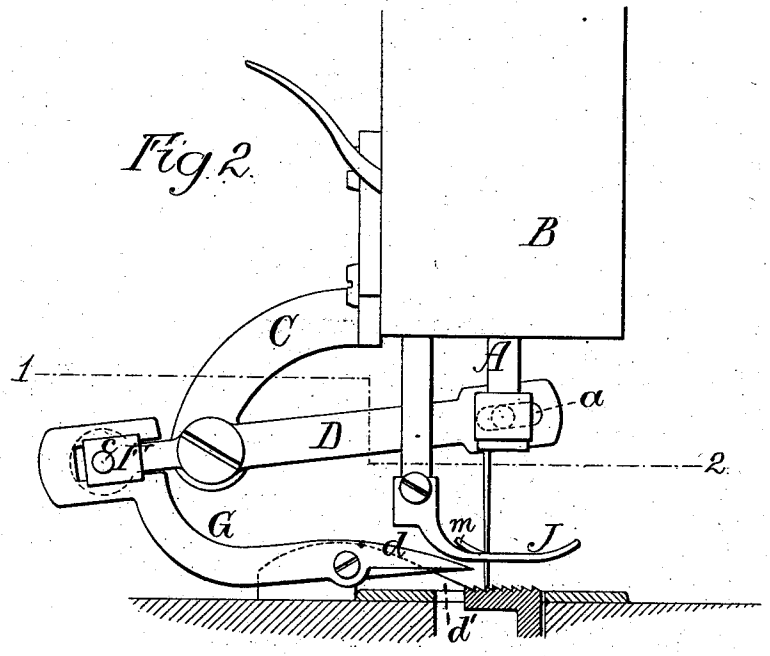
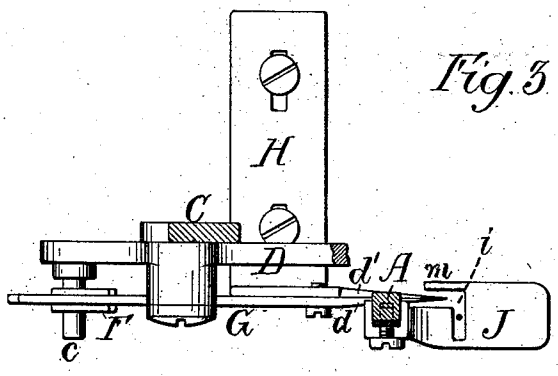



Fig. 3.

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# UNITED STATES PATENT OFFICE.

JOHN H. OSBORNE, OF PHILADELPHIA, PENNSYLVANIA.

## CUTTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 224,219, dated February 3, 1880.

Application filed July 1, 1879.

*To all whom it may concern:*

Be it known that I, JOHN H. OSBORNE, of the city of Philadelphia and State of Pennsylvania, have invented an Improvement in Cutting Attachments for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improvement in that class of sewing-machine attachments in which shears are combined with the presser-foot for trimming the edges of fabric simultaneously with the stitching of the same; and the object of my invention is to combine shears with a presser-foot constructed in the peculiar manner described hereinafter, so as to prevent the curling up of the fabric when the shears operate on it.

In the accompanying drawings, Figure 1, Sheet 1, is a perspective view of part of a sewing-machine with my improved attachment; Fig. 2, Sheet 2, a front view of the attachment; and Fig. 3, a sectional plan on the line 1 2.

B is the usual head at the outer end of the stationary arm B′ of a sewing-machine, which arm is cut away in Fig. 1, so as to exhibit the rear of the head and of the attachment.

To the head B is secured an arm, C, to which is pivoted a lever, D, the long arm of the latter having an elongated slot, *a*, for receiving a pin, *b*, on the needle-bar A, and to the short arm of the lever is secured a pin, *c*, which enters a slide, F, adapted to and guided by a slot in the outer end of the long arm of the lever G, the short arm *d* of which constitutes the movable blade of the shears.

The lever G is pivoted to the stationary blade *d′* of the shears, the said blade being attached to or forming a part of a plate, H, which is so secured to the work-plate of the sewing-machine as to be adjustable thereon.

As the needle-bar reciprocates, a vibrating motion must be imparted to the movable blade of the shears through the medium of the mechanism described.

J is the presser-foot, which is attached to or forms a part of the usual presser-bar K.

A finger, *m*, is formed on the presser-foot, and between the inner edge of the latter and the said finger, which is preferably turned up at the end, intervenes a slot, *i*. The shears are so situated in respect to this slot *i* that the outer end portion of the upper blade will vibrate freely therein at such distance from the needle that the edge of the fabric as it is being fed beneath the presser-foot will be properly trimmed by the shears in line with the stitches.

Knitted fabrics, for operating on which the above device is especially designed, are apt to curl up at the edge; but by slotting the presser-foot and causing the ends of the shears to operate within the slot a flat fabric is presented for the shears to operate on, the finger *m* keeping the edge of the fabric down on the work-plate, so that a properly-trimmed edge is assured.

I claim as my invention—

The combination, in a sewing-machine, of the shears with the presser-foot provided with the slot *i* and with the finger *m*, arranged in respect to the shears as set forth, whereby the said finger is made to keep the edge of the fabric down on the work-plate as it is operated on by the shears, as specified.

JOHN H. OSBORNE.

Witnesses:
JOHN A. WIEDERSHEIM,
A. P. GRANT.