

(No Model.)

A. WRIGHT.

DEVICE FOR TRIMMING FABRICS.

No. 295,139.

Patented Mar. 11, 1884.

Fig 1

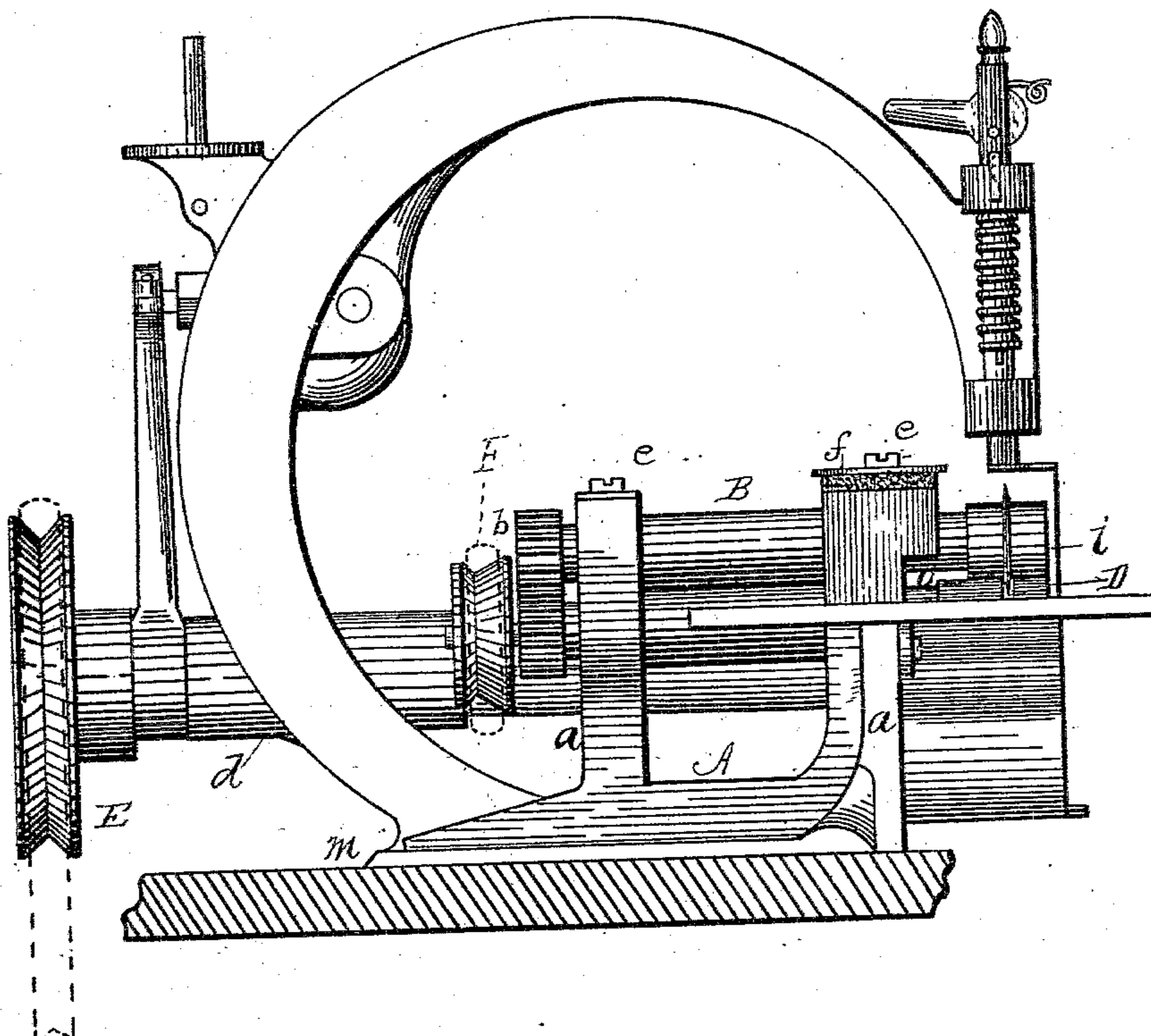


Fig 4.

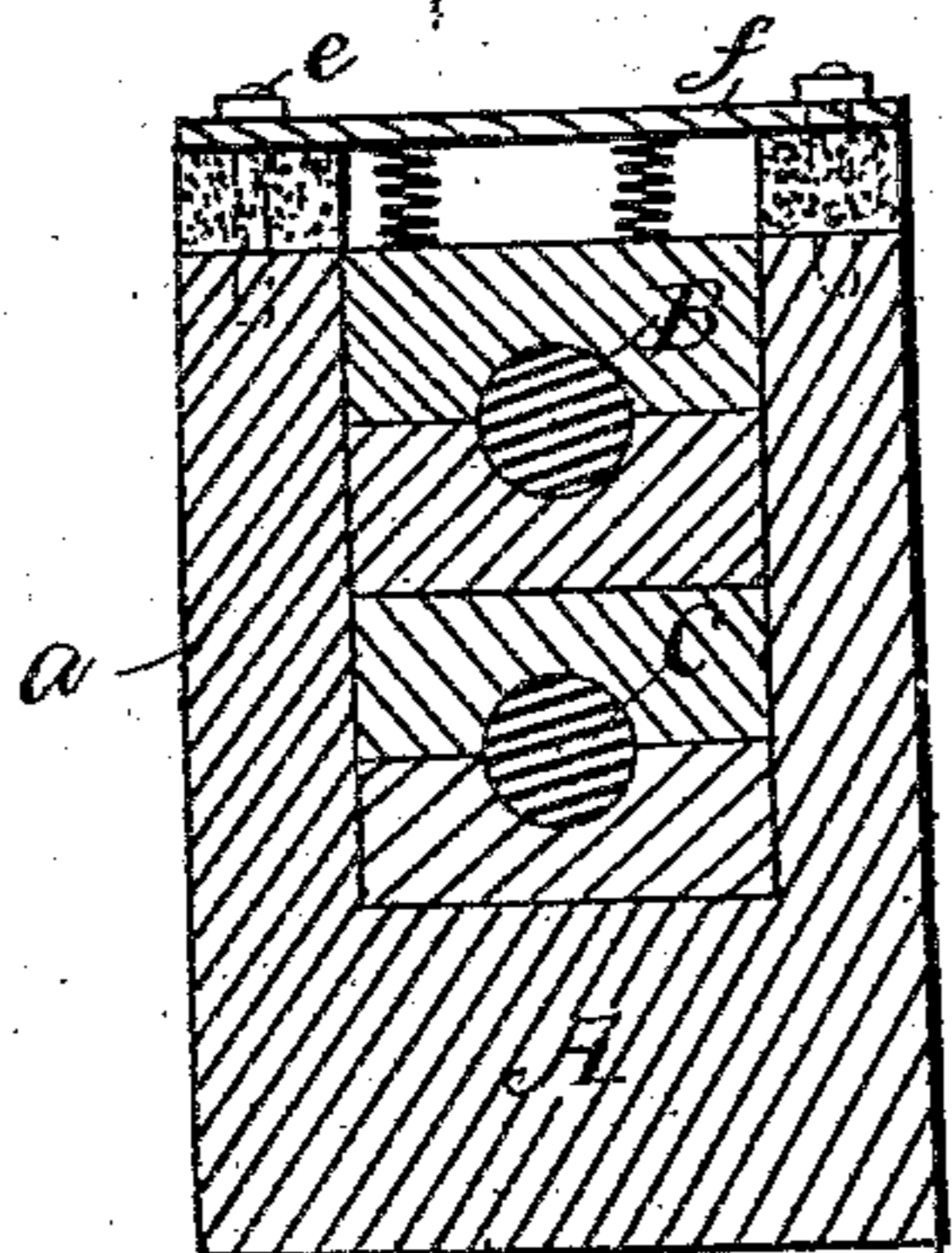


Fig 2.

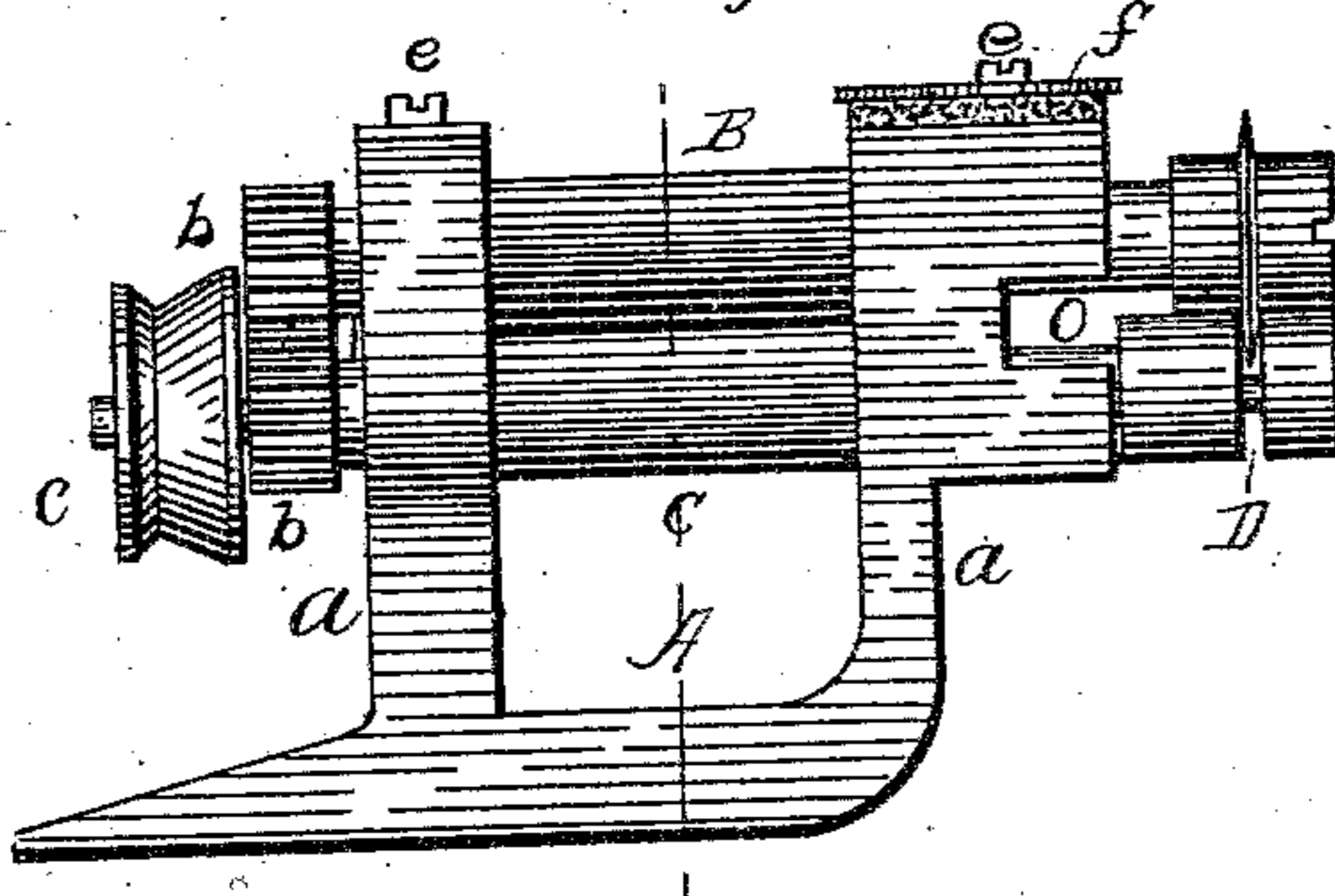
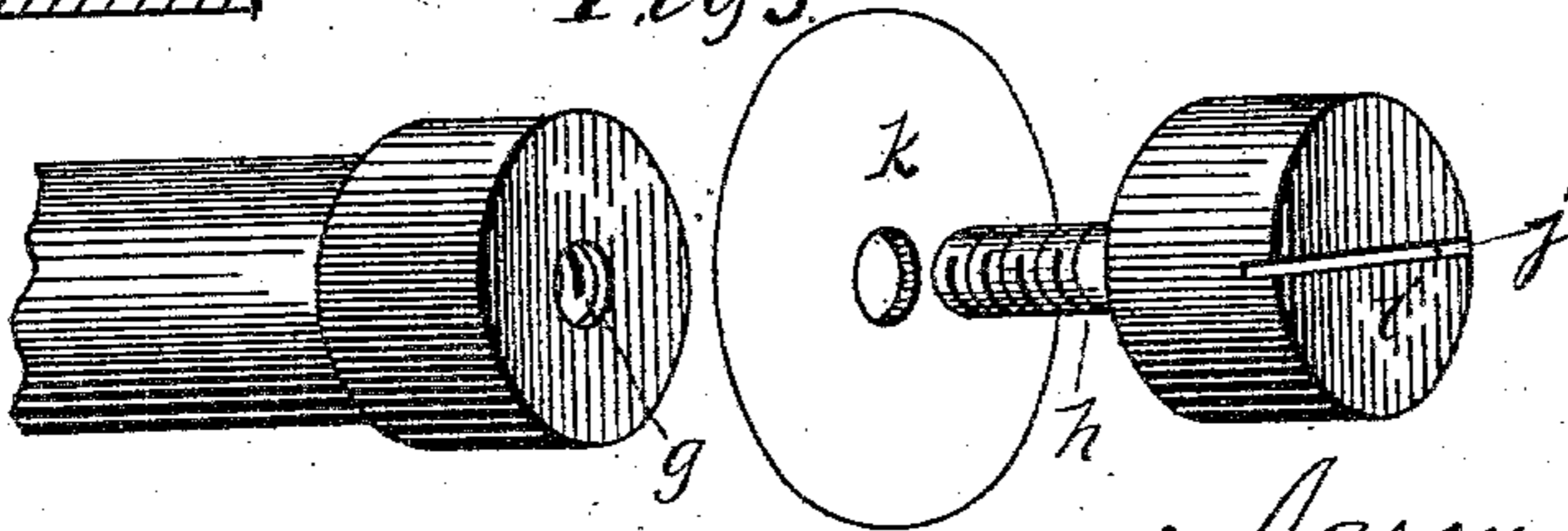


Fig 3.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

AARON WRIGHT, OF PHOENIX MILLS, NEW YORK, ASSIGNOR OF ONE-HALF  
TO EDWIN GROAT, OF SAME PLACE.

## DEVICE FOR TRIMMING FABRICS.

SPECIFICATION forming part of Letters Patent No. 295,139, dated March 11, 1884.

Application filed October 24, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, AARON WRIGHT, a citizen of the United States, residing at Phoenix Mills, in the county of Otsego and State of New York, have invented certain new and useful Improvements in Devices for Trimming Seams of Fabrics, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has relation to improvements in devices for trimming the seams of fabrics simultaneously with their passage through a sewing-machine; and it consists in the construction and novel arrangement of parts, as will be hereinafter more fully set forth, and particularly pointed out in the claims appended.

The invention has for its object to provide a cheap and simple means whereby the seams of fabrics of various widths may be uniformly trimmed upon the machine simultaneously with their passage from the needle without requiring any more time or exertion than it requires to operate the machine in sewing. This object I accomplish by the means shown and illustrated in the accompanying drawings, in which—

Figure 1 is a representation of a side elevation of a needle-arm and its attachments, showing my invention applied. Fig. 2 is a view of a side elevation of my invention, the same being removed from the machine; and Fig. 3 is a perspective view of the cutter-roller, showing the manner of applying the cutter. Fig. 4 represents a vertical transverse section taken on the lines *xx* of Fig. 2.

In the drawings, A indicates a frame, which is provided with vertical uprights *a a*, having their upper ends bifurcated to seat the spring bearing-boxes, in which the cutter and feed-rollers B and C are journaled. These rollers are provided at their rear ends with cog-wheels *b*, and the lower or feed roller with a grooved pulley, *c*, to which, by means of an endless belt from the drive-shaft *d* of the machine, motion is imparted to the cutting apparatus or trimmer. The rollers are separated within the bifurcations of the standards *a* by means of suitable journal boxes or bearings, and their forward ends enlarged, as shown, so as

to afford a bearing for the material while trimming, and tend to draw the same as it leaves the needle. The standards are provided in their upper ends with threaded perforations to receive screws *e*, for securing the cap-plates *f*, below which plates are arranged tension-springs, which have their lower bearings upon the upper roller, B, so that the same may be kept in frictional engagement with the roller C at their forward ends. The roller B is provided in its forward end with a central internally-threaded aperture, *g*, to receive the externally-threaded shank, *h*, of the head *i*, which is provided with a kerf, *j*, to receive a screw-driver for securing the same to the said roller when the cutting-disk *k* has been placed upon the shank *h*, as shown in Fig. 1 of the drawings.

The lower horizontal portion, *m*, of the casting or frame may be provided with a suitable number of vertical perforations, whereby the same may be secured to the table of a machine by means of screws or other suitable fastening devices; but if, found preferable, it may be secured to the casting as shown in the drawings. I do not, however, wish it to be understood that I am confining myself to the manner of attaching my device to a machine, as it may be either secured to the table or to any convenient part of the frame, so that the lower roller will come on a level, or nearly so, with the cloth-plate. The forward arm, *a*, of the frame is provided with a recess, *o*, to allow seams of great width to pass without interruption. The lower roller, C, is provided with an annular groove, D, for the reception of the edge of the cutting-disk, and to allow an engagement of the rollers to draw the goods as they leave the needle.

In operation, when power is applied to the treadle in the usual manner, motion will be communicated, by means of the drive-belt and pulley E, to the shaft *d*, and imparted from said shaft by the belt F to the pulley *c*, which is fixed to the lower roller, C, and thence imparted to the upper roller, B, through the medium of cogs *b b*, thus rotating the cutter, which will trim the material as it enters the rollers.

I have represented my device as being ap-

plied to a Willcox & Gibbs machine; but it may be applied to others of a different construction without departing from the spirit of my invention.

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

As an improvement in devices for trimming fabrics simultaneously with their passage  
10 through a sewing-machine, the combination which consists of the frame A, having the upright bifurcated standards *aa*, the spring bearing-boxes located therein, and the forward standard having an overhung projection, in  
15 which is cut the recess *o*, for the passage of the fabric, the rollers B and C, journaled in the said spring-boxes, the upper roller being provided

near its forward end with a rotary cutter, *k*, the lower roller having a grooved head, D, the rollers, respectively, being provided at their rear ends with intermeshing gear-wheels *b*, and the lower roller having a pulley, *c*, by means of which the working parts of the device may receive motion through the medium of a suitable band or belt from the drive-shaft  
25 of a sewing-machine, substantially as specified.

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

AARON WRIGHT.

Witnesses:

GEORGE BROOKS,  
CHAS. R. BURCH.