

No. 848,158.

PATENTED MAR. 26, 1907.

J. B. CARR & F. M. SCHMITT.

OBLIQUE FEEDING ATTACHMENT FOR SAWING MACHINES.

APPLICATION FILED MAR. 24, 1906.

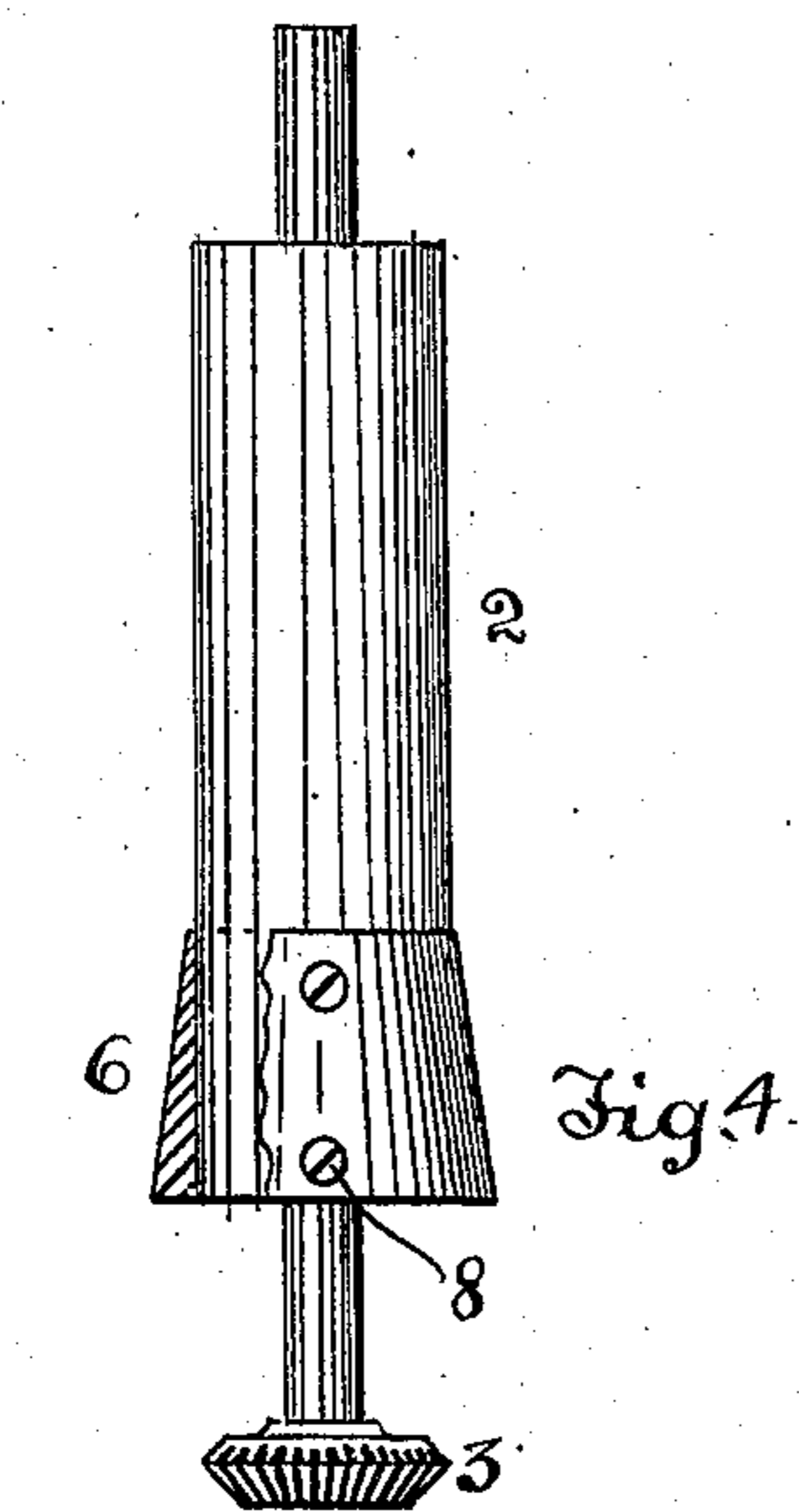


Fig. 4.

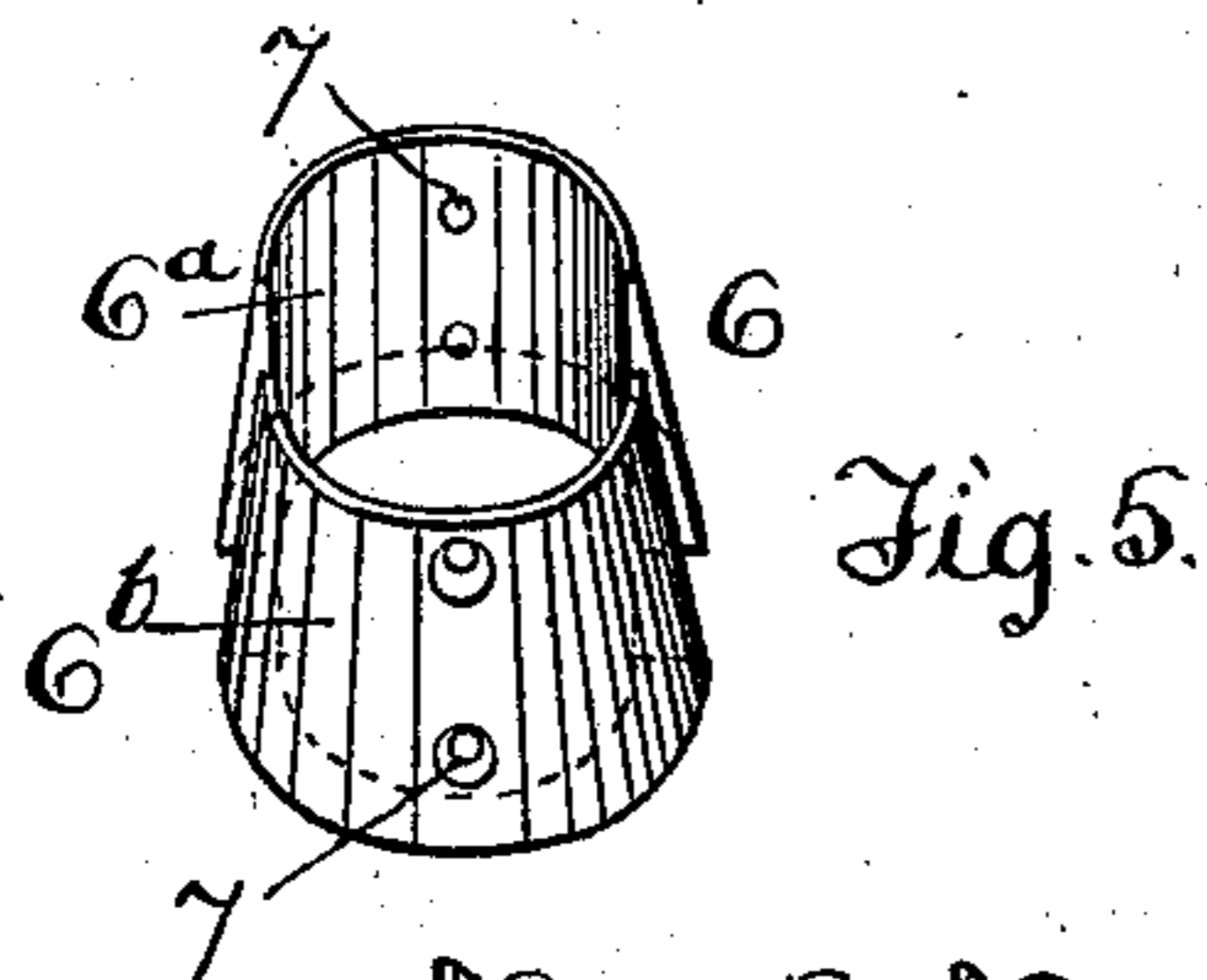


Fig. 5.

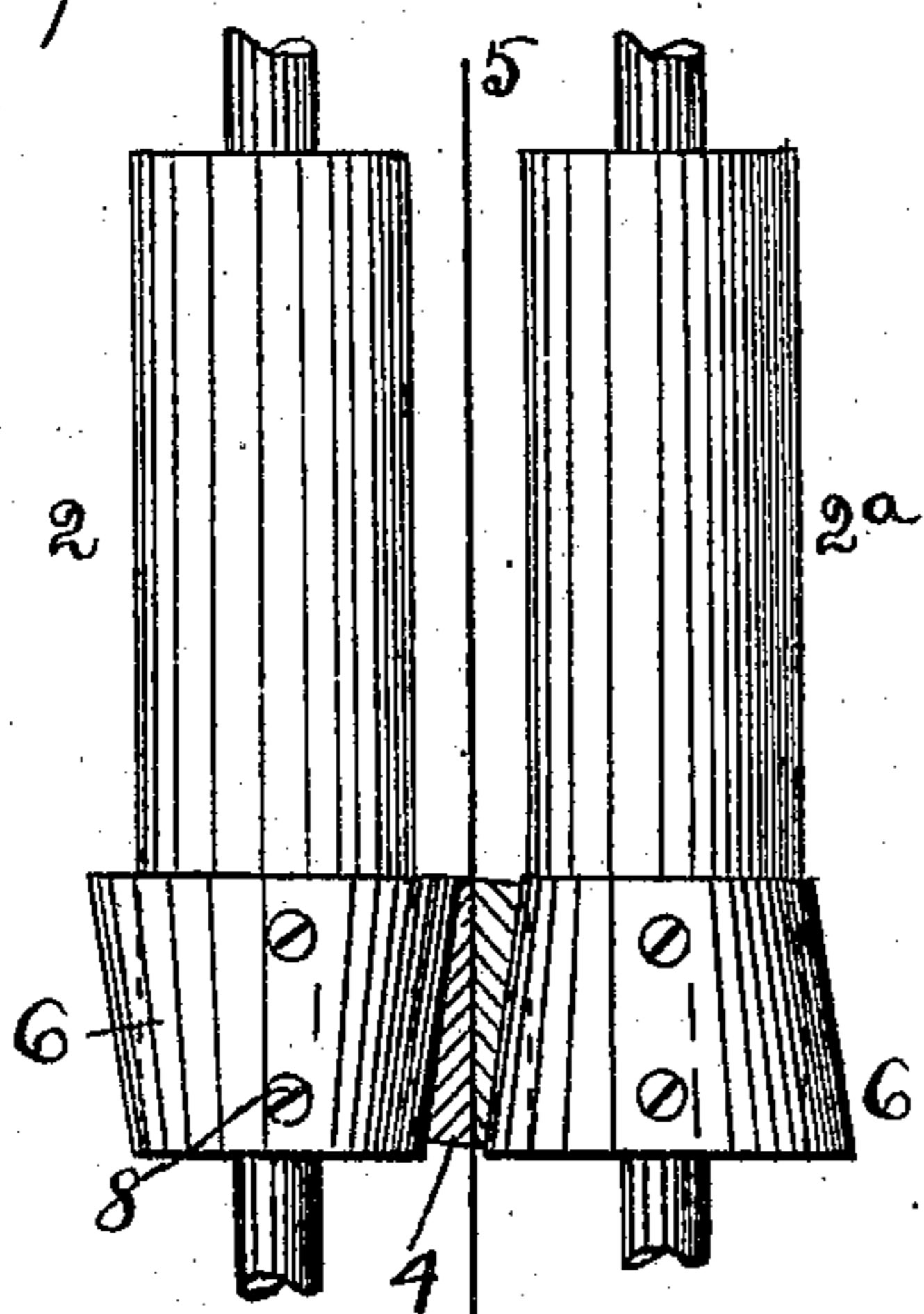


Fig. 3.

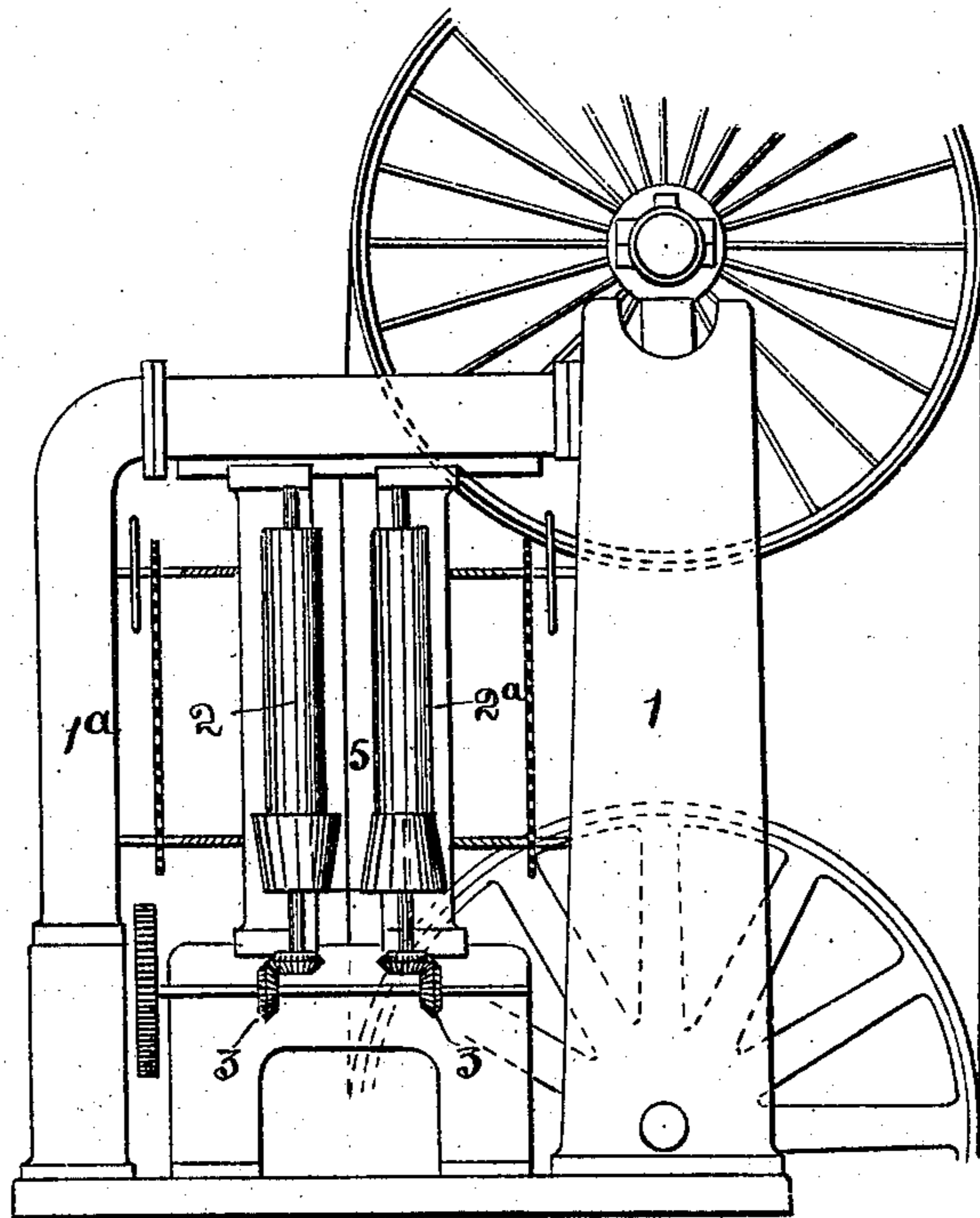


Fig. 1.

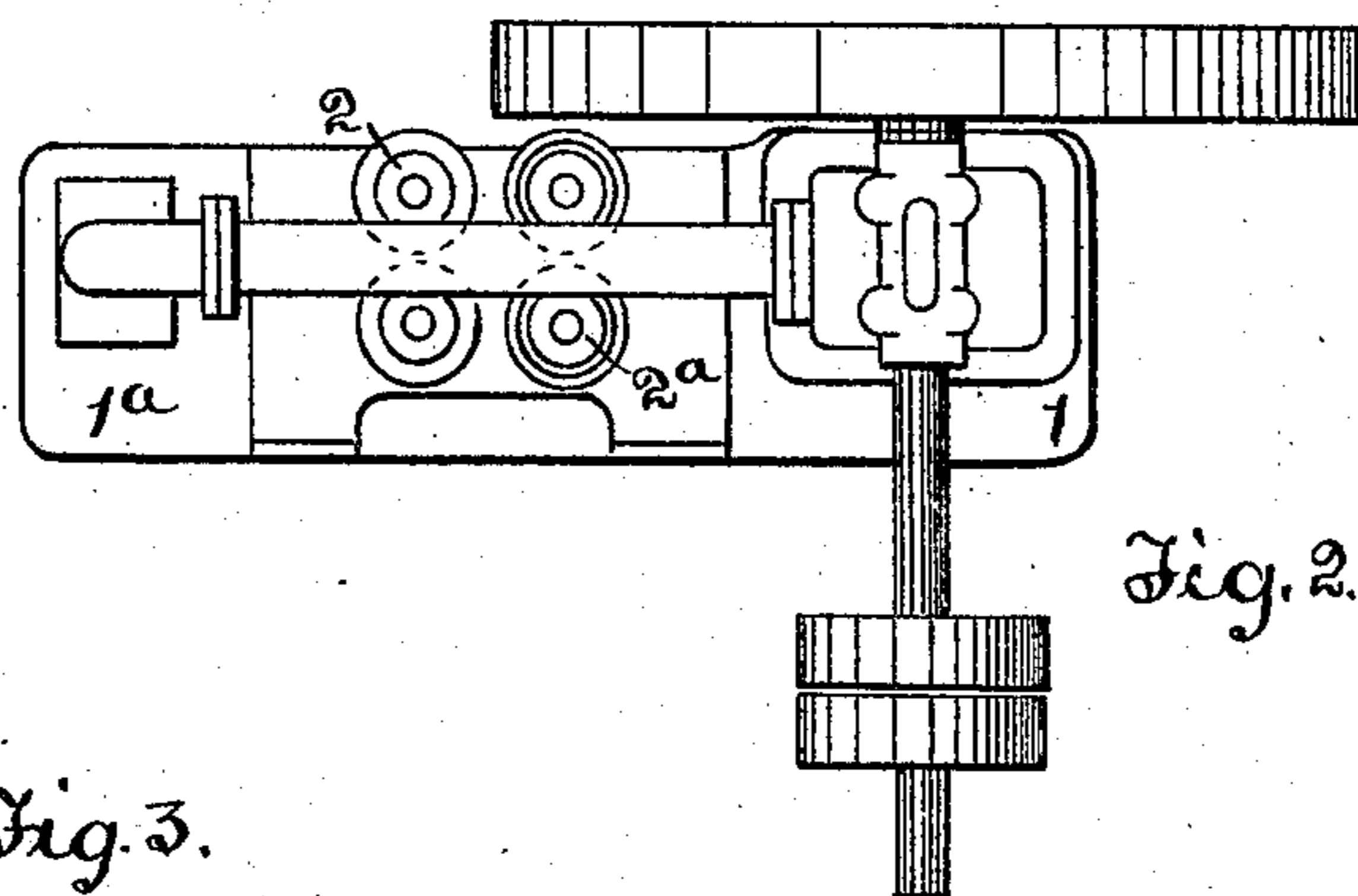


Fig. 2.

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UNITED STATES PATENT OFFICE.

JAMES B. CARR AND FRANK M. SCHMITT, OF PORTLAND, OREGON.

OBLIQUE FEEDING ATTACHMENT FOR SAWING-MACHINES.

No. 848,158.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed March 24, 1906. Serial No. 307,914.

To all whom it may concern:

Be it known that we, JAMES B. CARR and FRANK M. SCHMITT, citizens of the United States, and residents of Portland, in the county of Multnomah, State of Oregon, respectively, have invented a new and useful Oblique Feeding Attachment for Sawing-Machines, of which the following is a specification, reference being had to the accompanying drawings as constituting a part thereof.

This invention relates to resawing-machines of the type comprising besides other mechanism a frame and a pair of feed-rolls journaled at both ends in such frame, in vertical alinement, parallel to and adjustable toward and from each other; and our invention has for its object to provide collar-like removable attachments for such feed-rolls, whereby the same are adapted to resaw a board in two equal-sized beveled pieces, thus in no wise affecting or modifying the type of construction of such resawing-machines as now generally approved, but adapting the same to perform an additional function.

In the drawings, Figure 1 represents a front elevation of a band resaw-machine with our attachment applied to the feed-rolls thereof. Fig. 2 is a plane or top view of the same machine. Fig. 3 shows an elevation, on a larger scale, of said feed-rolls with our attachment applied as in practice; also shows a board between the attachment in the process of being cut lengthwise on the bevel. Fig. 4 is an elevation of one of the feed-rolls provided with our attachment, which is shown partly in section; and Fig. 5 is a detail of one of our attachments.

The numerals designate the parts described.

Those parts of the band resaw machine not affected or involved by our attachment, being of the common construction, we have not particularly described.

The machine-frame 1 1^a is of the usual construction, and in the same are journaled oppositely-disposed pairs of vertical feed-rolls 2 2^a, driven, as usual, through the medium of bevel-gears 3. The feed-rolls 2 2^a serve their usual purpose of guiding the board 4 centrally to the band-saw 5 when our attachments are not affixed. Our attachments consist of collars 6, made in two parts 6^a 6^b

and provided with screw-holes 7, through which to insert screws 8, the latter entering threaded perforations therefor provided in the feed-rolls, so as to properly locate the collars 6 when applied. When our attachments have been affixed to the feed-rolls, the board being resawed instead of being guided in a perpendicular plane will be guided in a slightly-inclined plane, as illustrated in Fig. 3, with the result that the band-saw 5 will cut the same into two equal-sized beveled boards, as shown. Upon the removal of the attachments the machine is again converted to its usual purpose. The removal or application of our attachments is the work of a few minutes.

It will be noted that the collars are made with oppositely-inclined faces, so as to incline the board, as shown.

While our attachment is shown as applied to a band resaw-machine, of course it could be applied with equal benefit on resawing or sawing machines of any description comprising vertical or otherwise positioned feed-rolls.

Of course while very convenient to make the collars in two parts and removably affix the same to the feed-rolls we do not restrict ourselves to such arrangement; but such collars may be made a part of the feed-rolls themselves.

We claim—

1. The combination with the feed-rolls of a band resaw-machine, the latter comprising a frame in which the two ends of the feed-rolls are journaled in parallel alinement, of separable collars removably affixed to said feed-rolls said collars having inclined faces and whereby feed-rolls are adapted to feed the board run through the machine obliquely to the band-saw for the purpose set forth.

2. In a band resaw-machine, comprising a frame and a pair of feed-rolls journaled at both ends in such frame in parallel alinement separable collars adapted to be removably affixed to said feed-rolls said collars having inclined faces so as to adapt feed-rolls to feed the board run through the machine obliquely to the band-saw for the purpose set forth.

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