L. A. WELLS.

ATTACHMENT FOR RUBBER STOCK MACHINES.

APPLICATION FILED AUG. 16, 1907.

900,628. Patented Oct. 6, 1908.

Fig. 1.

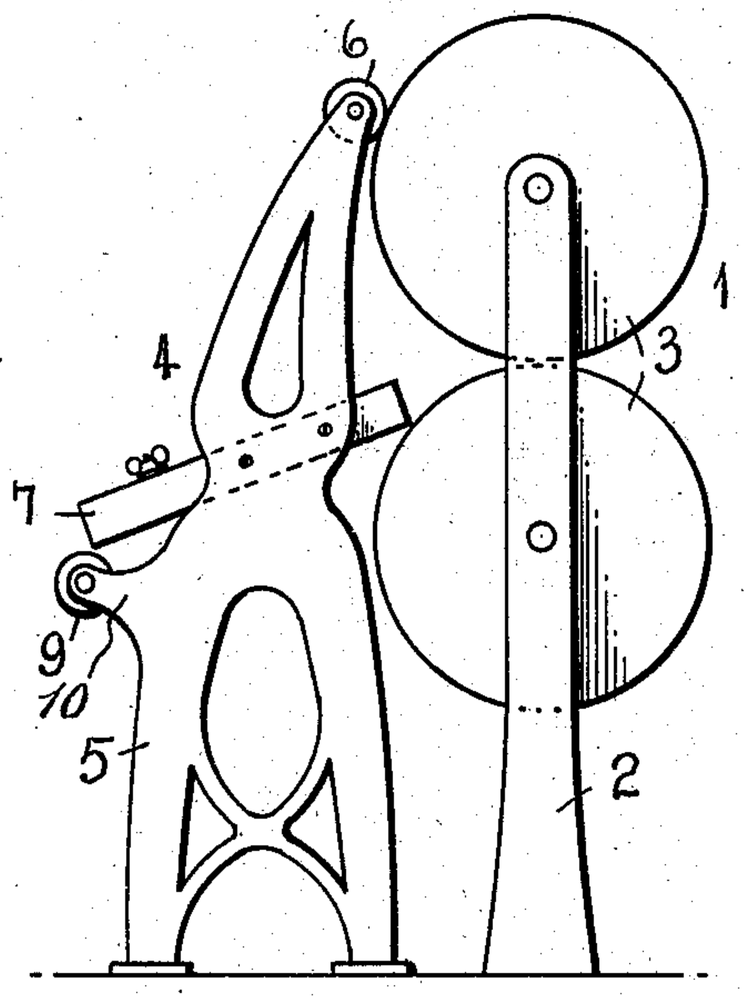


Fig. 3.

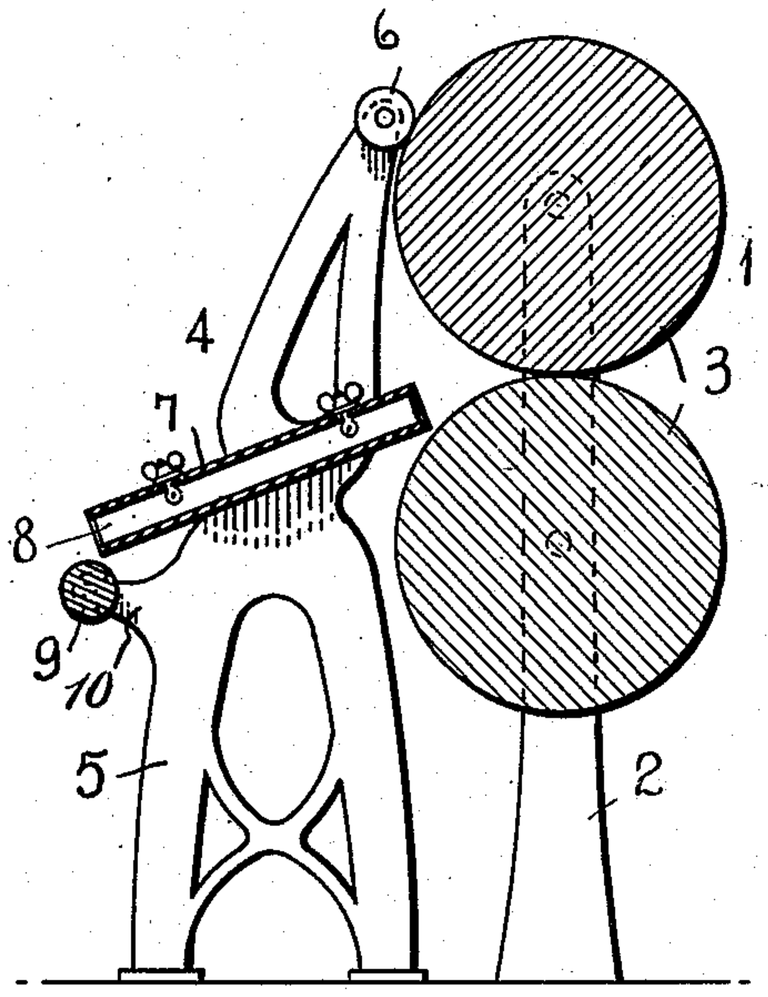
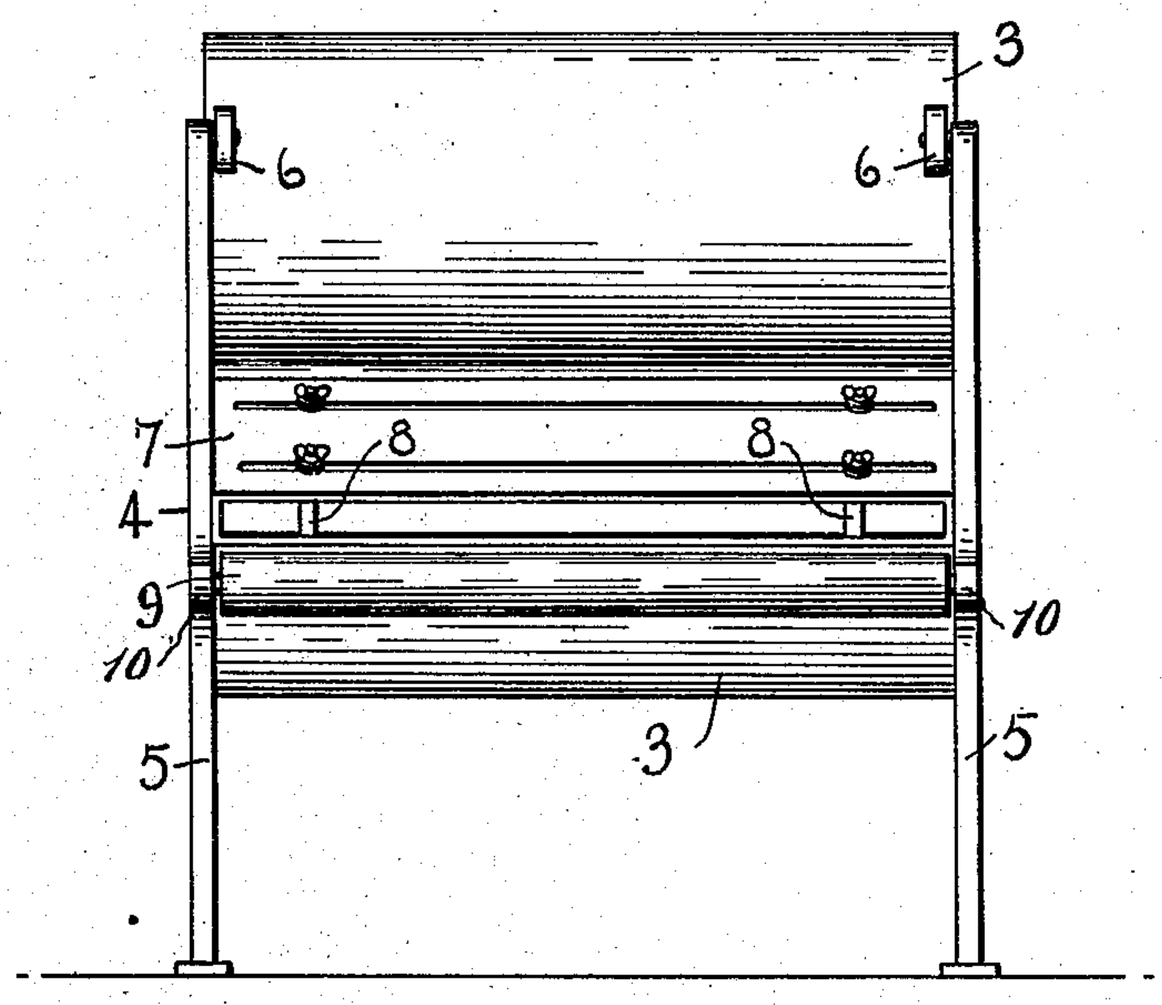


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR RUBBER-STOCK MACHINES.

No. 900,628. Specification of Letters Patent. Patented Oct. 6, 1908.

Application filed August 16, 1907. Serial No. 388,894.

To all whom it may concern:

Be it known that I, LIDA A. WELLS, a citizeness of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Attachments for Rubber-Stock Machines; and I do 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.

This invention relates to improvements in attachments for use in connection with machines for manufacturing rubber stock.

The object of the invention is to provide an attachment of this character by means of which rubber stock may be guided and fed to the cylinders or rollers of the machine, thereby avoiding the danger of the operators being caught and injured by the rollers.

With this object in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side view of a portion of a rubber stock machine, showing the construction and arrangement of the invention; Fig. 2 is a front view; and Fig. 3 is a vertical longitudinal sectional view of the same.

Referring more particularly to the drawings, 1 denotes a portion of a rubber stock machine, in the standards, 2, of which are revolubly mounted calendering pressing rolls, or cylinders, 3.

The attachment, 4, comprises supporting standards, 5, on the upper ends of which are revolubly mounted rolls, 6, which are adapted to engage the upper calendering roll, and thereby steady the machine. Between the standards, 5, is secured a feed chute, 7, which is preferably in the form of a flat, rectangular box, and is disposed at an angle in the standards, 5, as shown. The chute 7 is preferably provided with suitable gage devices, 8, by means of which stock of various widths may be run through between the rolls or cylinders of the machine. The total width of the chute is equal to the length of the calendering rolls, so that stock of the width of the rolls may be run through. The adjustment of the box for various widths of stock is provided for by the gages, 8, hereinbefore described.

In connection with the chute I provide a guide roller 9, which is journaled in suitable bearing brackets, 10, projecting outwardly from the standards 5, and is disposed adjacent to the outer end of the chute, whereby the stock will pass freely through the latter when fed to the calendering rolls. The roller, 9, is shown in the drawing as a loosely mounted idle roller. The same may, however, if desired, be geared up and driven from any of the moving shafts of the calendering machine.

By means of an attachment such as herein shown and described, the stock may be fed to the rolls of a calendering machine without danger of the operators being caught and injured thereby.

Having thus fully described my invention, what I claim as new and desire to secure by Letters-Patent, is:

1. A device of the character described, comprising a pair of supporting standards adapted to be arranged adjacent to the rollers of a calendering machine, steadying rollers journaled in the upper end of said standards and adapted to bear against the upper rollers of said machine, an inclined feed chute arranged between said standards, gage devices to regulate the width of said chute, and a guide roller revolubly mounted adjacent to the outer end of said feed chute, substantially as described.

2. An attachment for rubber stock machines, comprising a pair of supporting standards adapted to be arranged adjacent to the rolls of said machine, said standards being independent or of separate construction from said machine, a pair of steadying rollers revolubly mounted on the upper ends of said standards and adapted to be engaged with the upper roll of the machine, a guide roller revolubly mounted in the lower portion of said standards and arranged transversely between the same, an inclined feed chute secured between said standards, said chute comprising a flat box-like structure open at its upper and lower edges, spacing strips arranged in said chute, and means to secure said spacing strips in adjustable positions therein, whereby the width of the guiding space of the chute is regulated, substantially as described.

3. An attachment for rubber stock machines, comprising a pair of supporting standards adapted to be arranged adjacent to the rolls of said machine, said standards being independent or of separate construc-

tion from said machine, a pair of steadying rollers revolubly mounted on the upper ends of said standards and adapted to be engaged with the upper roll of the machine, a guide roller revolubly mounted in the lower portion of said standards and arranged transversely between the same, an inclined feed chute secured between said standards, said chute comprising a flat box-like structure open at its upper and lower edges, and provided in its upper side with transversely disposed slots, spacing strips arranged in said chute transversely of said slots, bolts secured to said strips and adapted to project upwardly through said slots, and clamping nuts adapted to be secured onto said bolts whereby said strips are held in adjusted position in said chute to vary the guide strips thereof, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LIDA A. WELLS.

Witnesses:
JOHN VOSBURG,
IRA L. NASH.