No. 615,929. Patented Dec. 13, 1898.

W. H. WALDRON.

ATTACHMENT FOR PAPER COATING MACHINES

(Application filed Mar. 1, 1897.)

(No Model.)

Fig 1

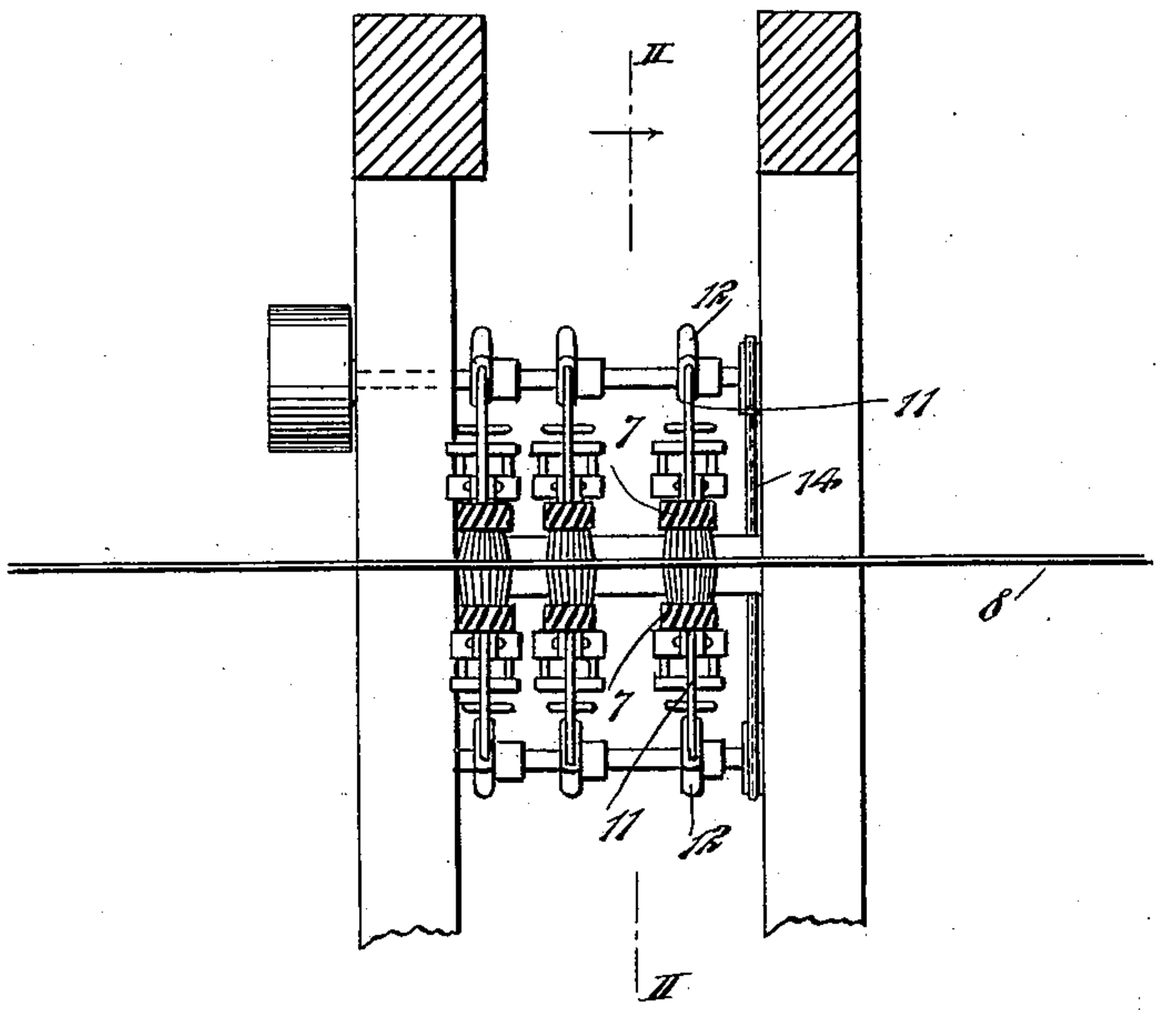

Fig 2

WITNESSES:

H. Walker

Isaac B. Owens.

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM H. WALDRON, OF NEW BRUNSWICK, NEW JERSEY.

ATTACHMENT FOR PAPER-COATING MACHINES.

SPECIFICATION forming part of Letters Patent No. 615,929, dated December 13, 1898.

Application filed March 1, 1897. Serial No. 625,489. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. WALDRON, of New Brunswick, in the county of Middlesex and State of New Jersey, have invented a new and Improved Attachment for Paper-Coating Machines, of which the following is a full, clear, and exact description.

This invention relates to a brushing attachment for paper-coating machines in which there are two brushes adapted to have the web of stock passed between them and be driven transversely of the web, so as to treat the stock as it passes between the brushes.

This specification is the disclosure of one form of my invention, while the claim defines the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a sectional view of the invention on the line I I of Fig. 2, and Fig. 2 is a sectional view on the line II II of Fig. 1.

Any number of pairs of brushes 7 may be provided, and these pairs are arranged with their members the one above the other, so that both sides of the web of stock 8 may be subjected to the action of the brushes. My invention consists in the means for mounting and adjusting the brushes.

On the frame of the machine are fastened two bearings 3 for each pair of brushes 7, the bearings being located opposite each other, respectively, on the sides of the frame. Carried to revolve in each of these bearings is a vertical shaft 4, the end portions of which are threaded and provided at their extremities with hand-wheels 5, by which the shafts may be turned. Working on the screw-threaded portions of each shaft 4 are boxes 6, constructed to move on said shafts by the action of the screw-threads thereon, so that by these means the boxes 6 may be adjusted toward and from the bearings 3.

Each brush is provided with bearings 9, which are two for each end of each brush. The two bearings at the ends of the brushes are alined with each other, so that guide-arms 10 may be fitted to slide therein. These guide-arms 10 have their outer ends projected beyond the brushes and screw-threaded, so as to be adjustably secured in the respective boxes 6. By these means the brushes are mounted so that they may slide transversely of the web, the guide-arms 10 being held stationary as the bearings 9 slide thereon with the brushes. By turning the shafts 4 the brushes may be adjusted toward and from each other, thus to regulate the pressure applied to the stock by the brushes. The brushes are driven by pitmen 11, respectively attached to the straps of eccentrics 12, driven in unison by means of a chain 14 or by any other means, as may be desired.

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

In a paper-coating machine, the combination with a frame, of two screw-rods mounted thereon, a box adjustably held by each screw-rod, a guide-arm adjustably held by each box, the guide-arms being alined with each other, a brush having sliding connection with and supported by the guide-arms, and means for imparting reciprocal movement to the brush.

WILLIAM H. WALDRON.

Witnesses:
THEO. G. HOSTER,
JNO. M. RITTER.