D. J. WINN.

MACHINE FOR WINDING BAGGING, &c., IN PIECES.

No. 402,551. Patented Apr. 30, 1889.

INVENTOR

W. James Winn

Attorney

Witnesses

Willette Anderson,
Mary Hopkins
To all whom it may concern:

Be it known that I, David James Winn, a citizen of the United States, and a resident of Sumter, in the county of Sumter and State of South Carolina, have invented certain new and useful improvements in Machines for Winding Bagging, &c., in Pieces; 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, reference being had to the accompanying drawing, and to letters of reference marked thereon, which form a part of this specification.

The drawing is a representation of a longitudinal section of the machine. This invention relates to machines for rolling together pieces of bagging in such a manner that each piece will follow the preceding piece in stretched and even shape on the roll without the necessity of previously connecting the ends of the pieces together; and the invention consists in the construction and novel combination of devices, hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawing, the letter A designates a frame of strong character, whereof the feeding board or table B extends from one end toward an opening 3, at the other end between side bars C, which carry bearings D for the roll-shaft E, which in practice may be rotated by the application thereto of a crank or other device, through which power may be transmitted thereto for the purpose stated. Bearings are also provided at F for the lower or bearing roller, I, at the inner end of the table B, and above this roller is arranged the roller G, which is armed with a number of pointed studs or pins, and has its bearings in slots of short uprights H, secured to the frame. From said frame extend downward the hangers K, to which is pivoted the frame L, which extends lengthwise of the table under the same, projecting below the opening at the end thereof and under the roll-shaft E. This frame carries at the end under the roll-shaft a roller, N, parallel to the roll-shaft and provided with studs or pins throughout its surface, as indicated in the drawing. At the other end of the frame is a weight, P, which may be adjusted toward or from the fulcrum, according to the pressure required on the roller N. Pressure may also be put on the roller G by means of an adjustable weight, S, applied on a lever, T, pivotated to one of the uprights H of the frame and resting or bearing upon one end of the shaft of the roller G.

The bagging or cloth is used in pieces, generally of uniform size, and when the cloth is in an unbroken roll it must be cut in proper lengths for use. When, however, the pieces are provided of proper length in the roll, the labor of measurement and cutting is avoided.

In operating the machine the pieces of bagging spread upon the table B are passed successively between the pair of rollers I & G in such a manner that before the rear end of one piece has passed through the forward end of the succeeding piece is lapped thereon, the length of the lapped portions being a little more than the distance between the upper pair of rollers, I & G, and the under roller, N. The tension roller G keeps the pieces from slipping, and the lap passing between the rollers I & G is carried to the main roll, around which the pieces are being wound. The under spiked roller, N, takes the forward end of the lap, holding it in position as it is carried around upon the main roll. This roller also serves to hold the under lap from falling and getting out of position, and when the lap has passed takes on the next piece of bagging, holding it to the roller.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. A machine for rolling pieces of bagging or cloth, consisting of the feed-table and the rollers I & G thereon, the roll-shaft, under lever, 90 L, spur-roller N, and weight P, substantially as specified.

2. In a machine for rolling pieces of bagging or cloth, the combination, with the table having an opening at one end and the roll-shaft in bearings at the outer end of said opening, of the rollers I & G at the inner end of said opening, the under lever, L, spur-roller N, and weight P, substantially as specified.

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

D. James Winn.

Witnesses:

L. W. Joye,
W. F. Shaw.