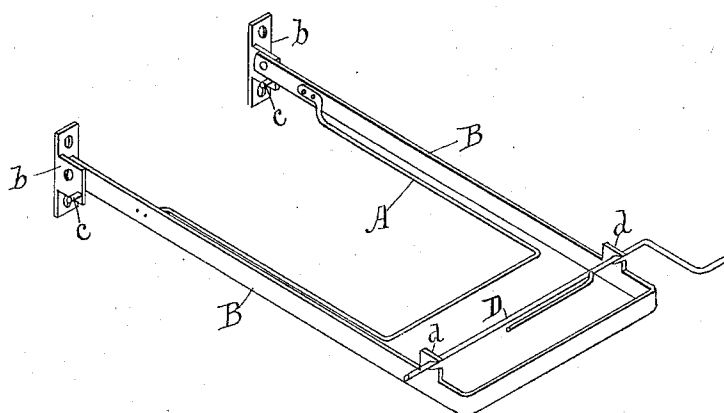


(No Model.)

N. B. WALDRON.
MACHINE FOR WINDING BANDAGES.

No. 537,507.

Patented Apr. 16, 1895.



Witnesses:

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Inventor:
Nelson B. Waldron
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UNITED STATES PATENT OFFICE.

NELSON B. WALDRON, OF AUBURN, MAINE.

MACHINE FOR WINDING BANDAGES.

SPECIFICATION forming part of Letters Patent No. 537,507, dated April 16, 1895.

Application filed June 23, 1894. Serial No. 515,474. (No model.)

To all whom it may concern:

Be it known that I, NELSON B. WALDRON, a citizen of the United States, and a resident of Auburn, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Machines for Winding Bandages; and I hereby declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists of a machine or device for winding tubular bandages such as are used by veterinary surgeons and others for bandaging horses' legs. These bandages are made of knit fabric and when they are applied the tendency is to draw them out lengthwise and to contract them laterally. After they have been used a number of times they become thick and stiff besides being much narrower than when new.

The object of my invention is to provide a machine for expanding these bandages laterally particularly after they have been used and drawn out and it consists of a form or spreader over one end of which the bandage is drawn and expanded, combined with a spindle on which the bandage is rolled from the spreader.

As I prefer to make the machine, the spreader is secured by one end to a frame which is adapted to be pivoted to the wall and to be turned up against the same and the spindle is pivoted to the same frame opposite the end of the spreader.

In the accompanying drawing I illustrate a bandage winding machine which is well adapted to carry out the invention although I do not desire to be understood as limiting myself to the form here shown.

The spreader A as here shown consists of a wire bent into a U-shape and having its ends secured to the sides of a frame B. The spreader is of the width desired for the bandage and it is sufficiently long to allow an ordinary bandage to be drawn on over its free

end. Opposite the free end of the spreader A is journaled the spindle D on which the bandage is wound. The spindle is journaled as here shown in bearings *d* in such a way as to be readily removable. The spindle is preferably bifurcated as shown so that the end of the bandage can be readily slipped between the two arms when the roll is to be started. The frame is shown as being pivoted to lugs *b* which are adapted to be secured to the side of the wall and a pin *c* is inserted in one or both of the lugs by which the frame is supported in a horizontal position while being capable of being turned up against the wall.

In operating the machine the bandage is drawn on over the free end of the spreader, its end connected with the spindle and it is then wound thereon into a tight roll, the bandage retaining substantially the same width which was given it by the spreader.

The spreading of the bandage by the use of this device besides making it wider, loosens up and softens the fabric so that it is much better suited for its purpose.

I have here described the spreader as constructed of bent wire but it is evident that it could be made of other material. It is only essential that it shall be of sufficient width to properly stretch the bandage and that it shall be of sufficient length to receive the bandage to be rolled.

I claim—

The herein described device for winding and stretching tubular bandages consisting of a pair of lugs adapted to be fastened against the wall, a U-shaped frame having its ends pivoted to said lugs, stops for holding said frame in a horizontal position, a U-shaped form secured by its ends to said frame near said lugs, and a bifurcated spindle removably journaled to said frame near its free end.

NELSON B. WALDRON.

In presence of—

HENRY W. OAKES,
A. S. WHITMAN.