(No Model.)

C. L. BELLAMY.

BANDAGE WINDER.

No. 437,554. Patented Sept. 30, 1890.

Fig. 1.

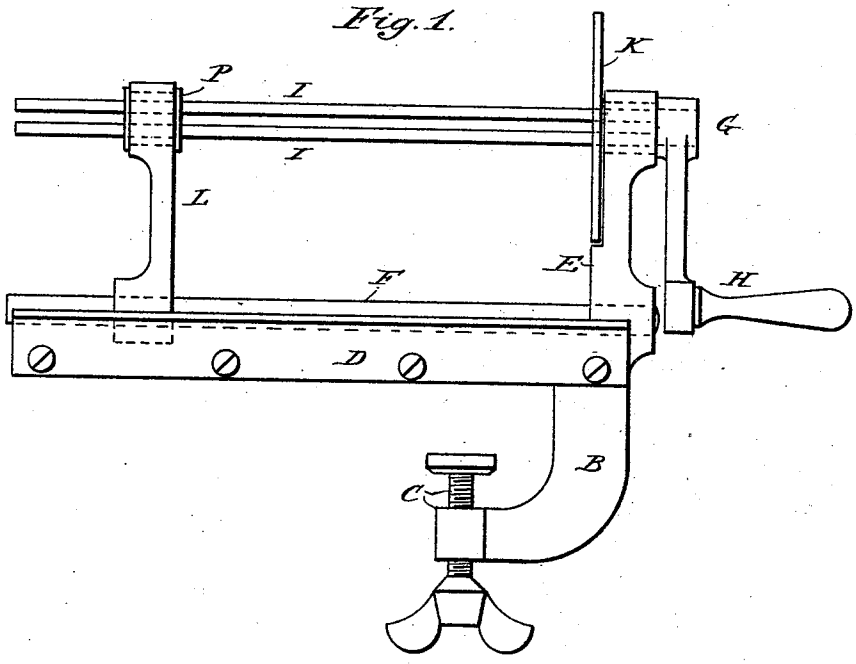


Fig. 3.

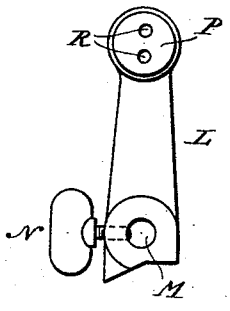
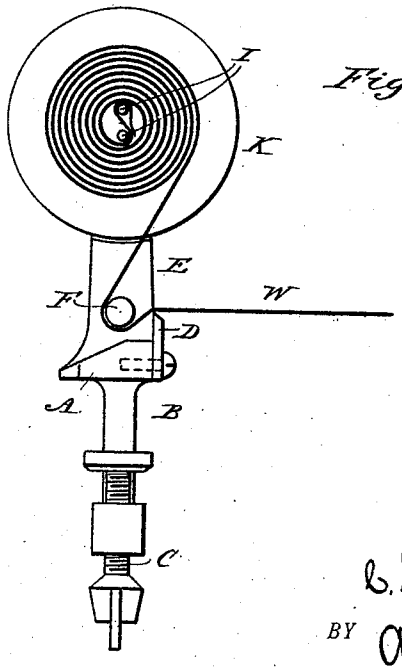


Fig. 2.



WITNESSES:

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CHARLES L. BELLAMY, OF ARLINGTON, NEW JERSEY.

BANDAGE-WINDER.

SPECIFICATION forming part of Letters Patent No. 437,554, dated September 30, 1890.

Application filed February 6, 1890. Serial No. 339,419. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. BELLAMY, of Arlington, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Bandage-Winders, of which the following is a specification.

My invention relates especially to devices employed by surgeons for winding bandages, and has for its object the provision of a neat, simple, cheap, and durable winder, whereby the bandage may be quickly and solidly wound and easily removed from the machine.

To attain the desired end my invention consists, essentially, in a main frame arranged to be clamped to a support, said frame bearing at one end a fixed standard, wherein is journaled a revoluble section of shaft provided with an operating-handle at one side and a divided or double shaft at the other, said last-mentioned shaft finding a bearing in an adjustable support moving upon a rod projecting from the fixed standard; and my invention also involves certain other novel and useful combinations or arrangements of parts and peculiarities of construction and operation, all of which will be hereinafter first fully described, and then pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my improved winder. Fig. 2 is an end view, looking from the left of Fig. 1, with the movable standard taken away. Fig. 3 is a side elevation of said removable standard.

Like letters of reference, wherever they occur, indicate corresponding parts in all the figures.

A is the base, provided with an arm B and clamping-screw C.

D is a plate with a knife-edge secured to the base.

E is a fixed standard secured to or formed with base A. This standard bears a rod F, projecting horizontally parallel to the knife-edge D. Standard E is perforated near its top for the reception of a revoluble shaft G. (Represented by the dotted lines in Fig. 1.) This shaft bears a crank H and two arms I, parallel to each other and a short distance apart, as plainly shown in Fig. 1.

K is a removable plate which passes over rods I.

L is a standard perforated at M for the purpose of passing over rod F.

N is a thumb-screw for securing standard C at any desired point.

P is a revoluble thimble playing in a perforation in the upper extremity of standard L, said thimble being provided with two perforations R for the reception of rods I.

When constructed and arranged in accordance with the foregoing description, the operation of my device is as follows: The end of a bandage W is passed over the plate D and under rod F up to and between rods I. The standard L is moved closely to the edge of the bandage to act as a guide upon one side, the plate K serving as the guide at the other edge. By drawing tightly upon the bandage beyond the knife-edge when the crank is turned all of the creases will be smoothed out of the material and the winding may be done as hard as desired. When the bandage is entirely wound, the standard L is removed, permitting the two rods I to approach each other, loosening the roll therefrom, and by pushing upon plate K the roll may be easily removed.

Having now fully described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. In a bandage-winder, a base-piece provided with a fixed standard bearing a rotary shaft provided with a manipulating-crank and two parallel rods, substantially as shown and described.

2. The combination, with the fixed standard and the movable standard, of the shaft bearing two parallel rods and a manipulating-crank and a rotatable perforated thimble supported in the movable standard, substantially as shown and described.

3. In a bandage-winder, a base-piece provided with a clamping device, a fixed standard, and a horizontal plate having a knife-edge, a horizontal rod extending from the fixed standard and bearing an adjustable standard provided at its free end with a revoluble thimble having two perforations therein, a shaft revolubly mounted in the fixed standard and provided with a manipulating-crank and two parallel rods, and a guide-plate mounted upon said rods, the whole combined and arranged substantially as shown and described.

CHARLES L. BELLAMY.

Witnesses:
A. M. PIERCE,
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