No. 891,564. PATENTED JUNE 23, 1908.

N. H. PIKE.

COATING DEVICE.

APPLICATION FILED JAN. 20, 1908.

Fig. 3.

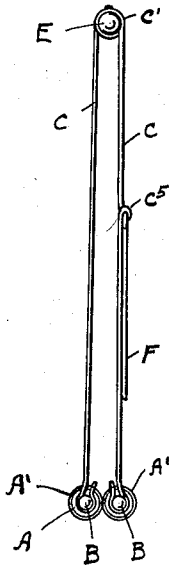


Fig. 1.

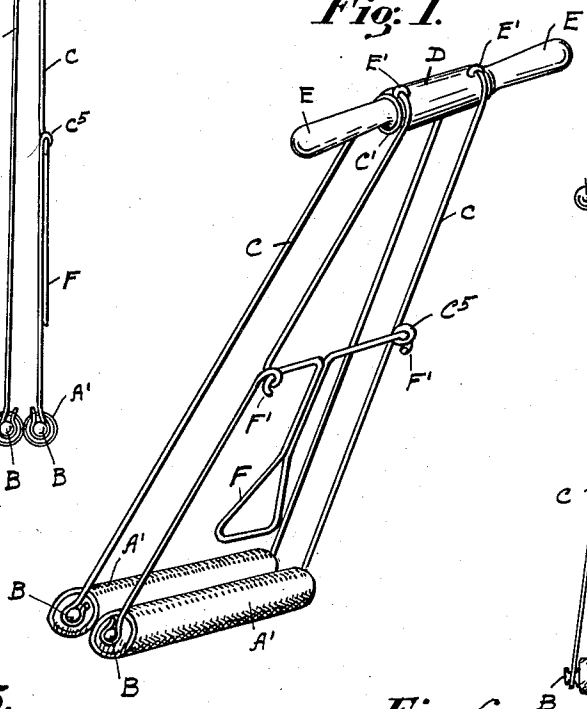


Fig. 2.

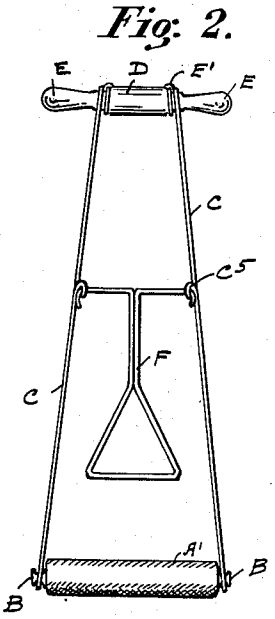


Fig. 5.

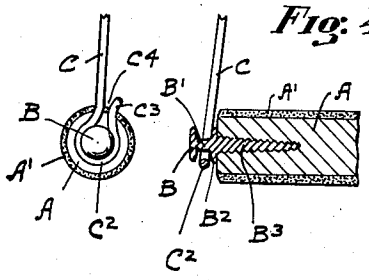
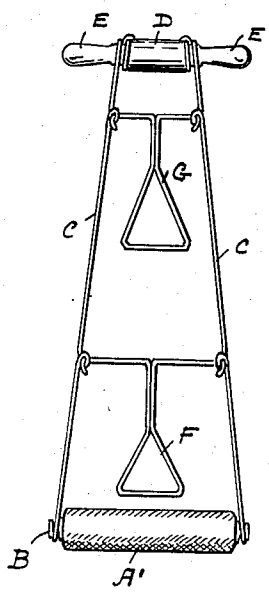


Fig. 4.

Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

NATHAN H. PIKE, OF MUNCIE, INDIANA.

COATING DEVICE.

No. 891,564. Specification of Letters Patent. Patented June 23, 1908.

Application filed January 20, 1908. Serial No. 411,803.

To all whom it may concern:

Be it known that I, NATHAN H. PIKE, a citizen of the United States, and residing at the city of Muncie, county of Delaware, and State of Indiana, have invented a new and useful Coating Device, of which the following is a specification.

This invention relates to implements for the distribution and application of paint or liquid dressing to web-like fabrics such as wire-nettings, fencing and the like.

The main purpose of my invention is to provide a device of this character whereby paint or other liquid dressing may be speedily applied to fabrics of the character mentioned, and at the same time distributed thoroughly and uniformly over every part of the exposed surfaces thereof.

Other objects of my invention are to provide a device of the kind referred to which will be light in weight, economical of construction and easy of manipulation.

These objects are accomplished by the mechanism illustrated in the accompanying drawings, and described and claimed in this specification.

Similar characters of reference refer to like parts throughout the views in the drawings, in which—

Figure 1 is a perspective view, Fig. 2 is a front view, and Fig. 3 is a side view of my invention complete. Fig. 4 is an enlarged longitudinal sectional view of the end portion of the brush-roll. Fig. 5 is an enlarged side view of the brush-roll; and Fig. 6 is a modified form of my invention.

The brush-rolls A are made of wood and are covered with absorbent material A^1 such as asbestos, felting or wool; the latter having been found preferable. These brush-rolls may be of various lengths; I find that eight to fifteen inches is a very satisfactory length for the same. On each end of these rolls is provided the journal B having the neck B^1, the flange B^2 and the threaded shank B^3. In securing the journal in place it is screwed into the end of the roll until the flange fits tightly against the same. These brush-rolls are held yieldingly in contact with each other and are pivotally sustained in position substantially opposite and parallel to each other. The frame of my device is composed of two resilient or spring-rods C each bent so as to have the loop C^1 therein, in which loops is secured the wooden handle-bar D. The ends of the frame-rod are formed into the shape of a hook C^2 having the outwardly curved end C^3 whereby the mouth C^4 is formed, and a suitable bearing is formed for the journal B, as shown in Fig. 4 and Fig. 5. These frame-rods are of such resiliency and are bent in such manner and the loop C^1 is so formed that the brush-rolls will be strained toward and held yieldingly in contact with each other.

E^1 designates suitable fasteners such as small hooks or staples which I have employed to secure the handle-bar D against rotary movement in the loops. In the bending of the frame rods the small loops C^5 are provided, in which are supported the hook-ends F^1 of the swing-handle F made also of a spring-rod or wire, bent and formed as shown in the drawings.

The operation and mode of manipulation of my invention will be apparent. A charge of the paint or dressing in suitable liquid form is applied to the brush-rolls by a brush or other suitable implement. The operator then holds the device by either the right or left-hand handle E and the brush-rolls are brought down over the fabric to be coated, it being between the brush-rolls. The operator then with his other hand can guide the brush-rolls and regulate the tension of the frame-rods with great effect, and by working the rolls up and down diagonally and progressively, wire fencing of any height or formation may be speedily and effectively coated. In the operation of my invention the paint or liquid-dressing is applied uniformly and thoroughly to every exposed part of the fabric.

For use on all ordinary fencing I find that the forms of the device just illustrated answers every requirement. For use on fencing of a height greater than that of the ordinary or standard fences, I deem the form of construction that is illustrated in Fig. 6, as preferable. In this form of my invention I employ the additional swing-handle marked G so that after the device has been placed in position for work, it may be operated by the swing-handles.

After use it is desirable that the brush-rolls should be cleaned, to that end the journal B and bearing C^2 are provided. To remove the brush-roll it is forced upwardly and the neck B^1 will slip through the mouths C^4. It will be observed that there is some transverse play or clearance between the neck B^1 and the bearing C^2, the purpose of this is to provide for a slight transverse movement or

play of the brush-rolls which transverse movement between the frame-rods C together with the up and down movement of the frame, is very effective, in causing the paint to be deposited upon every portion of the wires of the fencing.

What I claim as new and desire to secure by Letters Patent of the United States, is—

1. A device of the kind described, comprising a pair of spring rods or wires, bent into the form of a loop at their central portions and brought about so that the ends of each rod are disposed toward each other the ends being formed so as to provide journal-bearings therein, a pair of rolls covered with absorbent material pivotally mounted in said bearings, a handle-bar secured in said loops, and a swing-handle secured to one side of said structure so formed, substantially as described.

2. A device of the kind described, comprising a pair of spring rods or wires bent into the form of a loop at their central portions and brought about so that the ends of each rod are disposed toward each other the ends of said rods being bent into the form of the hook C^2 having the tongue C^3, a pair of rolls covered with absorbent material pivotally mounted in said hooks C^2, a handle-bar secured in said loops and having the handles E, and the swing handle F secured to one side of said structure so formed, substantially as described.

In witness whereof I have hereunto signed my name to this specification, in the presence of two subscribing witnesses.

NATHAN H. PIKE.

Witnesses:
ETHEL L. LISTER,
THOMAS L. RYAN.