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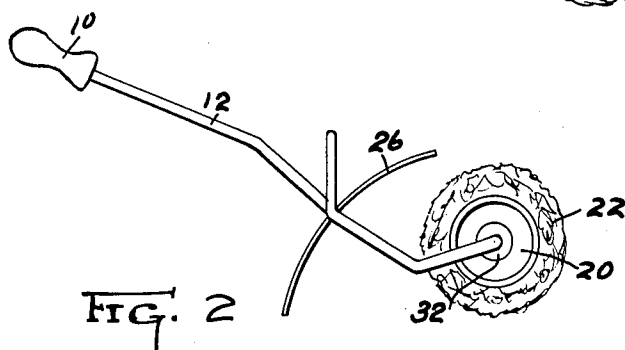
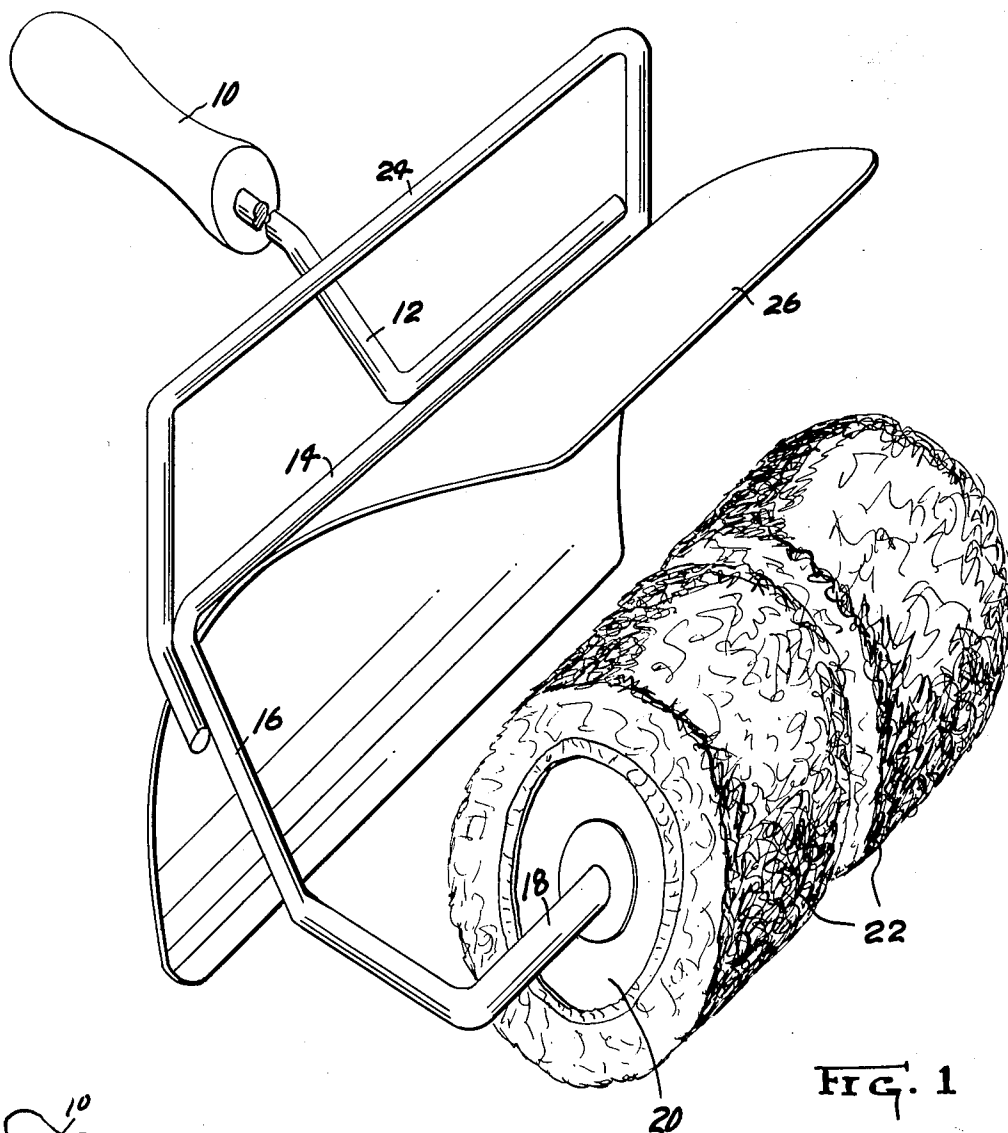
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2,735,128

PAINT ROLLER FOR WOVEN WIRE FENCES, ETC

Filed June 24, 1952

2 Sheets-Sheet 1



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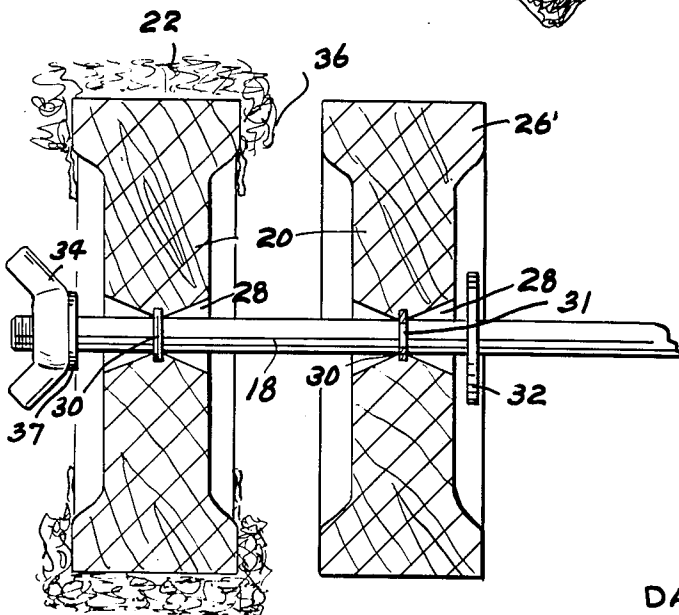
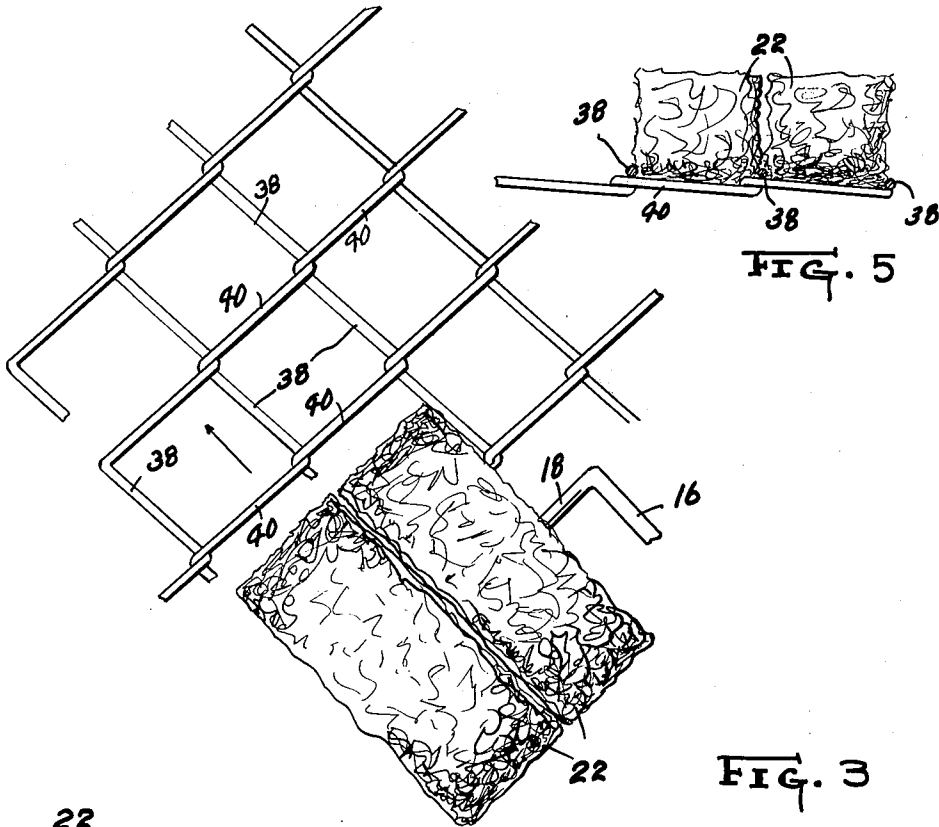
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PAINT ROLLER FOR WOVEN WIRE FENCES, ETC.

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2 Claims. (Cl. 15—230)

This invention relates to new and improved paint rollers for painting fences, particularly of the woven wire type.

The principal object of the present invention resides in the provision of such a roller which is more easily, quickly, and more economically used to paint fences of the type described by applying paint to the surfaces of the wires and to the side edges thereof in a single pass, whereby the paint roller is passed but once over the surface of the fence, at each side thereof, without any danger of making missed spots or unpainted portions on the side runs of the wires and without splashing or dripping of the paint to any objectionable extent.

Another object of the invention resides in the provision of a double or multiple part rollers, each part of which rotates on a shaft and is provided with its own paint absorbing cover, said rollers being applied to a fence and rolled therealong with one wire of the fence between each pair of rollers, said rollers applying paint easily and quickly to the surface of the wire but also as well to the sides thereof, and at the same time avoiding any objectionable drip, etc., whereby the present invention provides a paint roller that is more economical as to the use of paint is much faster to operate, and requires less exertion on the part of the operator.

Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings, in which

Fig. 1 is a perspective view of the new fence paint roller according to the invention;

Fig. 2 is a side view thereof on a reduced scale;

Fig. 3 is a view in elevation illustrating the action of the paint roller and its direction of motion on the fence;

Fig. 4 is a sectional view through the roller, parts being omitted; and

Fig. 5 is a view illustrating the action of the roller in painting the fence.

Prior art paint rollers used for painting open link type or woven wire fences have been found to be impractical because they fail to apply paint to the inside surfaces of the side runs of the wires going to make up the fence. Hence, the painter is forced to continuously review his work, thus slowing the painting job and also resulting in a relatively poor application of the paint. The present invention obviates the above difficulties in a relatively simple manner.

The entire paint roller is shown in Fig. 1 and comprises a handle 10 which may be secured to a rod 12 in turn secured to a generally U-shaped frame having a leg 14, bottom member 16, and another leg 18, the latter forming a shaft or rod for rotatably mounting a plurality of paint roller discs generally indicated at 20. These paint rollers have removable covers 22 preferably of sheepskin or the like.

A wire handle 24 is also provided and a curved splatter guard 26 may be secured thereto. The operator grasps handle 10 in one hand and the wire handle 24 in the other and rapidly runs the rollers 20 along the direction

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of the wires of the woven fence as is indicated in Fig. 3. At one side of the fence, the paint rollers will be moved diagonally or at an incline to the direction of motion of the paint rollers at the opposite side of the fence, but in any event, it is only necessary to pass the paint roller over the fence surface but once as will be more apparent hereinafter.

Each of the rollers 20 comprises a disc or the like having a circumferential flange 26' upon which is mounted a circular fabric or the like paint absorbent cover 22 which may be of any material desired. Ordinarily, for the purpose of picking up a relatively large amount of paint, it is preferred that sheepskin be used for this purpose. These covers are wider than the roller discs and extend over the outer side edges of the discs and also over the inner or adjacent side edges thereof, see Fig. 1. These covers may be provided with drawstrings or the like at their edges to hold them on to the respective discs 20.

The discs 20 are provided with oppositely diverging frusto-conical center holes 28 so that a wobble action on the rod 18 is possible. The discs may be held against axial sliding on rod 18 by means of flexible washers or the like 30 inset in grooves 31 and secured to the rod 18. It is not necessary to use this particular washer construction inasmuch as a stop 32 may be used on rod 18 in conjunction with a thumb-nut 34 to lightly secure the discs together in contacting relation of the sheepskin at the circumferential point 36. There is a washer 37 located under nut 34 to bridge the center hole 28 adjacent thereto, and it is emphasized that the sheepskin only has to contact between the discs 20; these are not drawn up tightly together.

It is believed that the above invention will be found to be clear from the description given. When the rollers are dipped in the paint, and the device is grasped as above stated, it is then operated to roll along in the direction of the arrow in Fig. 3 in which the device is shown at the opposite side of the fence from the observer. It will be clear from an inspection of Fig. 5, that the fence itself forms a track for the paint roller to travel upon and actually the wires 38 form a track guiding the paint rollers, which in turn paint the tops and sides of the entire wires 38 as well as the top and sides of the cross wires 40. There are no paint missed portions on the wires. The paint rollers do the entire job in a single pass at each side of the fence, and the main basis of the present invention is that the painting is done not merely on the main surface of the wires as in the prior art, but on the main or front surface and the side faces of the wires also.

Having thus described my invention and the advantages thereof, I do not wish to be limited to the details herein disclosed, otherwise than as set forth in the claims, but what I claim is:

1. A paint roller for applying paint to woven wire fences of the type having spaced parallel strands interwoven with like spaced parallel strands at an angle to the first-named strands, said paint roller comprising a handle, means forming a shaft thereon, a plurality of discs arranged in parallel relation to rotate on the shaft, a cover of fuzzy absorbent material on the periphery of each disc, said covers extending over the side edges of the discs adjacent each other and over the side edges remote from each other, means holding the discs against substantial axial movement on the shaft and in mutually spaced relation but with substantial contact of the absorbent surfaces only of each adjacent disc, whereby said roller may be passed along a wire fence applying paint to the major portion of the surface of the strands thereof, the peripheries of the discs and the covers being relatively broad to cover the crossed strands with the

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roller passing along parallel to the other strands with one strand between discs and the next two adjacent strands at the outer edges of the discs, all three strands receiving paint from the absorbent covers.

2. The paint roller of claim 1 including internal conical center holes on the discs receiving the shaft and providing for a slight wobble of the discs in the shaft.

References Cited in the file of this patent

UNITED STATES PATENTS

987,010 O'Brien Mar. 14, 1911

10

39,795

277,093

4

Domy Nov. 21, 1922
 Magaton July 22, 1924
 Gray May 31, 1932
 Piercy June 8, 1943
 Bergman Mar. 20, 1945
 Guimond Jan. 16, 1951
 Ernst June 15, 1954

FOREIGN PATENTS

France Dec. 3, 1931
 (Addition to No. 685,359)
 Switzerland Nov. 16, 1951