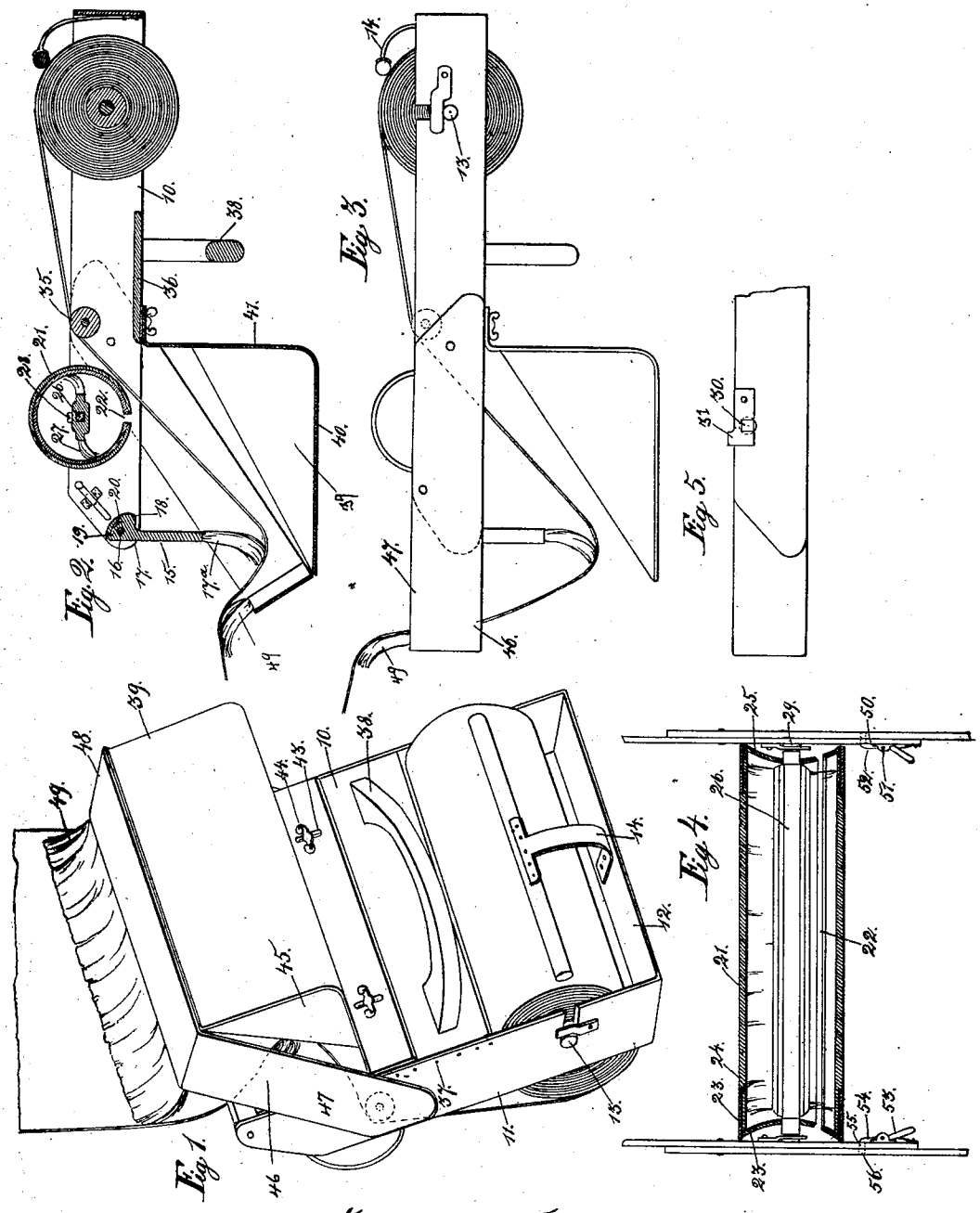
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J. P. CANNON.

WALL PAPER HANGER.

(Application filed Jan. 7, 1902.)

(No Model.)



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UNITED STATES PATENT OFFICE.

JOSEPH P. CANNON, OF ELMA, IOWA.

WALL-PAPER HANGER.

SPECIFICATION forming part of Letters Patent No. 708,124, dated September 2, 1902.

Application filed January 7, 1902. Serial No. 88,744. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. CANNON, a citizen of the United States, residing at Elma, in the county of Howard and State of Iowa, have invented certain new and useful Improvements in Wall-Paper Hangers, of which the following is a specification.

The objects of my invention are to provide a wall-paper hanger of simple, durable, and inexpensive construction by which the paper is easily put on the wall and provides at the same time means for carrying the wall-paper in said paper-hanger before it is unrolled and the paste-tank and brushes for spreading the paste evenly on the under surface of the wall-paper as it unrolls and a brush for making the paper lie smoothly on the wall when it is put on and, further, to provide a drip-cup to prevent any paste from dropping on the operator when he is papering the ceiling or other places above his head.

My invention consists in certain details in the construction, arrangement, and combination of the various parts of the device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 shows in perspective the paper-hanger. Fig. 2 shows a longitudinal sectional view of the paper-hanger. Fig. 3 shows a side elevation of same. Fig. 4 shows a longitudinal sectional view of the cylindrical paste-tank in which the paste is stored and of the brush in said tank designed to force the paste out of the tank and allowing it to drop onto the paper beneath the tank and showing the manner in which the paste-tank is attached to the frame of the paper-hanger. Fig. 5 shows in detail the device for holding the shaft in the paste-tank in the shoulder on the side of the frame.

Referring to the accompanying drawings, I have used the reference-numeral 10 to indicate the frame of the device having the side pieces 11 and the forward end piece 12, connecting the side pieces 11 and their forward end portion.

Detachably and rotatably mounted in the side pieces 11, parallel to and near the forward end of the frame, I have provided the roller 13 of such size that the ordinary roll of paper may be slipped on said roller without its being unrolled.

Attached by one end to the central inside portion of the front end piece 12 is a leaf-spring 14, which is inclined rearwardly, so that the end which is not attached to the front end piece comes in contact with the roll of paper on the roller 13 in such a way that it will be kept from unrolling, except at the desire of the operator.

Between the sides and at the rear end thereof and extended below the frame I have attached the paste-spreading brush 15 on the pivots 16, which pivots are in the sides 11. This brush comprises a top portion 17, having a flange 18 on one end thereof, with a circular slot 19 in it, whose center is in the pivot 16, designed to admit a stud 20, extended inwardly from the sides 11. This slot is thus arranged to allow the brush to move on the pivots 16 and at the same time be limited in its movement by the metal at the ends of the slot 19 coming in contact with the stud 20. This brush also has a fibrous portion 17^a, against which the paste runs.

Immediately in front of the paste-spreading brush 15 and extended nearly the entire distance between the sides of the frame 10 is the cylindrical paste-tank 21, having a longitudinal slot 22 therein, reaching from one end of the tank to the other. At each end of the tank there is a cover 23 of the same outside circumference as the paste-tank to rest against the shoulders 24, which shoulder is formed by cutting away the outer surface of the cylinder at its end portion and is so arranged that when this shoulder 24 rests against the covers they will engage the entire surface of the cylinder-covers in such a way that the exterior surface of the cylinder portion of the cover will lie in the same plane as the exterior surface of the paste-tank proper. The top portions 25 of the covers are deflected inwardly to receive shoulders, hereinafter described. These covers have a circular opening in their central portion. Inside of the paste-tank and extended the entire length of it and through the openings in the cover-top 25 is a shaft 26, having a square end thereon. Mounted on that portion of the shaft which is inside of the paste-tank the brushes 27 are placed substantially opposite

each other and held firmly on the shaft by means of the screws 28. These brushes are designed to force the paste which is in the paste-tank out of it through the longitudinal slot 22, so that it will drop onto the paper below the tank.

On the inside and near the upper edges of the sides 11 of the frame in front of the spreading-brush 15 the shoulders 29 are fixed. These shoulders 29 have a square notch 30 in each of them of sufficient size to receive the square ends of the shafts 26 and hold it firmly in position between the sides, thus allowing the cylindrical paste-tank 21 to rotate on it. I have pivoted a hook 31 to hold the shaft 26 firmly in the shoulders 29 while the device is being used and to allow the tank to be taken out from the frame to be refilled or cleaned.

In front of the cylinder paste-tank and between it and the roller 13 I have mounted in the top of the sides 11 and between these sides the roller 35 to act as an idler in conveying the paper from the roller 13 beneath the brush 15. Between the sides and attached to them at its end portion is a connecting-piece 36, designed to brace the frame and hold the sides firmly in position.

Attached by the screws 37 to the under side of the connecting-piece 36 is a handle 38 to assist the operator in controlling the device.

Detachably attached to the rear under surface of the connecting-piece 36 and of the same length as this connecting-piece is a drip-cup 39, having the bottom portion 40, the upright portion 41, substantially at right angles to the bottom, a flange extending forwardly at right angles to the upright portion and having two slots 43 therein to receive the thumb-screws 44, so that when the thumb-screws are inserted in the slots 43 and are turned into such position that the heads of the thumb-screws are at right angles to the slots 43 the drip-cup will be held firmly to the connecting-piece and the bottom of the cup will be beneath the paste-tank. The drip-cup also has the sides 45, each one being attached at one end to the bottom of the tank and at the other end attached to the upright portion to prevent the paste from running out of the cup.

Pivotally attached to the sides of the frame 10 and on the outside of these sides is a brush-bearing frame 46, comprising the sides 47, the connecting-pieces 48 between the sides and firmly attached to them at its end portions, brush-fibers 49, firmly fixed in the connecting-piece 48 and extending above it, said connecting-piece being nearly the same length as the distance between the sides 11 of the frame 10. Attached to the sides 11 of the frame 10 I have provided the locking devices 50, each having an opening 51 throughout its central portion designed to receive the pivotal hook 52 and each having a body portion 53, an end portion 54, bent substantially at right angles to the body portion, so that it will pass through the hole 55 in each of the sides 11 of the frame 10 and into any one of a series of holes 56 in the sides 47 of the frame 46 and hold the said frame 46 in any desired position.

In practical use and assuming that the operator desires to hang the paper on the sides of the room the operator removes the paste-tank 21, fills same with paste, and places it back in position for use in the frame. Then the roll of paper is placed in the roller 13 in such a way that the interior surface of the paper is uppermost on said roller and having the paper start to unroll in the direction toward the paste-tank. The operator then unrolls the paper sufficiently to pass it over the roller 35 and beneath the paste-tank 21 and beneath the brush 17 and over the brush 48, so that the paper extends beyond the extreme rear end of the entire device. This end of the paper is then wet with a little paste, and the operator places this paper smoothly in the lower corner of the room just above the base-board. Then by placing the cylinder paste-tank against the wall in such a way that the fibers of the brush 48 will rest against the outer surface of the paper and the roller firmly against the wall the operator can push the device toward the ceiling, and by means of the mechanism shown the paper will be firmly attached to the wall. Assuming that the operator desires to paper the ceiling, the paper-hanger may be used in the same way, except that it may be desired to rest the smoothing-brush to a position substantially in line of the top of the sides of the frame.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States therefor, is—

1. In a wall-paper hanger, the combination of a frame, a paper-bearing roller mounted in said frame near the front end thereof, means for controlling the paper on said roller, a paste-spreading brush pivotally mounted in the rear end of said frame, shoulders on the inside of the sides of the frame in front of said paste-spreading brush, a brush-bearing shaft mounted in the said shoulders, a hollow-cylinder paste-tank having a longitudinal slot therein mounted on said shaft and outside of the brush portions thereof, a roller mounted on the sides of the frame between the paper-bearing roller and the cylindrical paste-tank, connecting-pieces between the sides of the frame, a handle attached to the under surface of the said connecting-piece, a drip-cup detachably connected with said connecting-piece and extended under the roller paste-tank, a brush-bearing frame pivotally and adjustably attached to the rear end of said frame, for the purposes stated.

2. In a wall-paper hanger, the combination of a frame, a paper-bearing roller mounted in said frame, means for controlling the paper on said roller parallel to the front end thereof, a paste-spreading brush pivotally mounted in

the rear ends of said frame, means for limiting the pivotal movement of said paste-spreading brush, shoulders on the inside of the sides of the frame in front of said paste-spreading brush, a hinged top portion to said shoulders, means for holding said hinged portion firmly to the shaft, a brush-bearing shaft mounted in said shoulders, a cylinder paste-tank having a longitudinal slot therein mounted on said shaft and outside of the brush portion thereof, a roller mounted in the side of said frame between the paper-bearing roller and the cylinder paste-tank, a connecting-piece between the sides and attached to them at its end portion, a handle firmly attached to the under surface of the said connecting-piece, a drip-cup detachably connected with said connecting-piece to hang near the cylinder paste-tank, a brush-bearing frame pivotally and adjustably attached to the rear end of said frame comprising two side pieces, and a brush portion between said side pieces, for the purposes stated.

3. In a wall-paper hanger, the combination of a frame, a paper-bearing roller detachably mounted in said frame near the front end thereof, a leaf-spring attached at one end to the front end piece of said frame and extended inwardly, a paste-spreading brush pivotally mounted in the rear ends of said frame, means for limiting the movement of said paste-spreading brush, shoulders on the inside of the sides of the frame in front of said paste-spreading brush, a brush-bearing shaft detachably mounted in said shoulders, means for holding said shaft in said shoulders, a cylinder paste-tank having a longitudinal slot therein and having covers on each end thereof, shoulders on the inner surface of the cylinder portion of said covers, an end portion in said cover deflected inwardly, said paste-tank being mounted on said shaft and outside of the brush portion thereof, a roller rotatably mounted in the sides of the frame near the paper-bearing roller and the cylinder paste-tank, a connecting-piece between the sides and firmly attached to them at its end portions, a handle attached to the under surface of said connecting-piece, means for holding said drip-cup firmly in place beneath the cylinder paste-tank, a brush-bearing frame pivotally attached to the rear ends and on the opposite sides of the said frame, means for limiting the pivotal movement of said brush-bearing frame for the purposes stated.

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