No. 701,727. Patented June 3, 1902.

C. HOLMES.

PAPER HANGING MACHINE.

(Application filed Jan. 15, 1902.)

(No Model.)

FIG. 1.

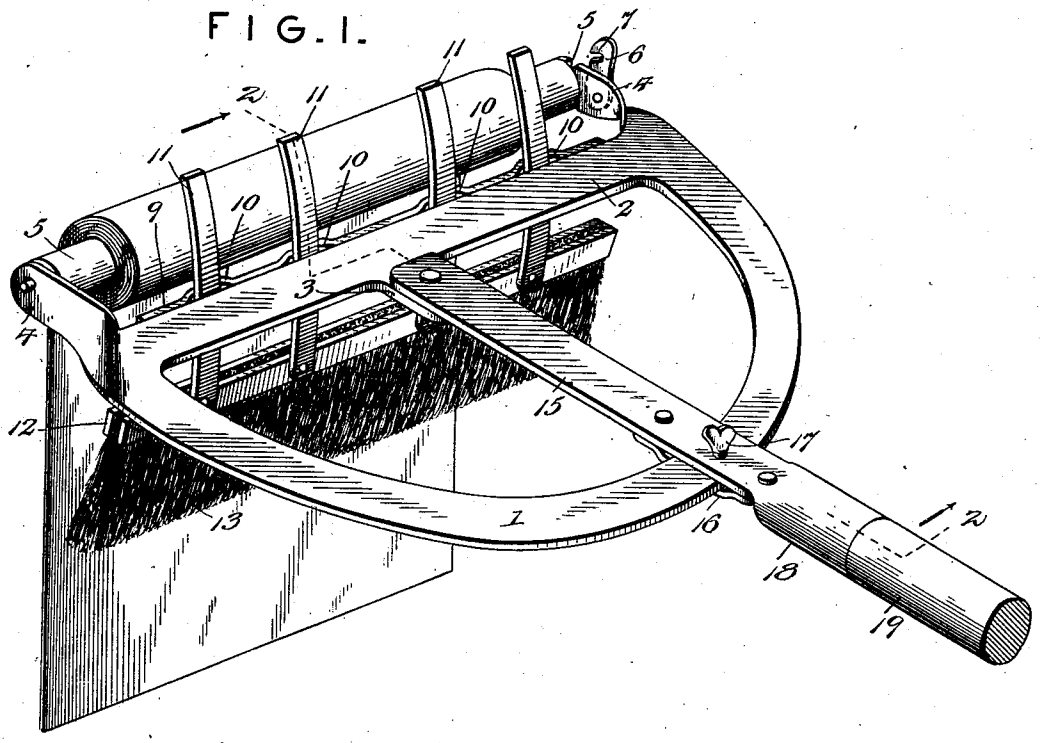
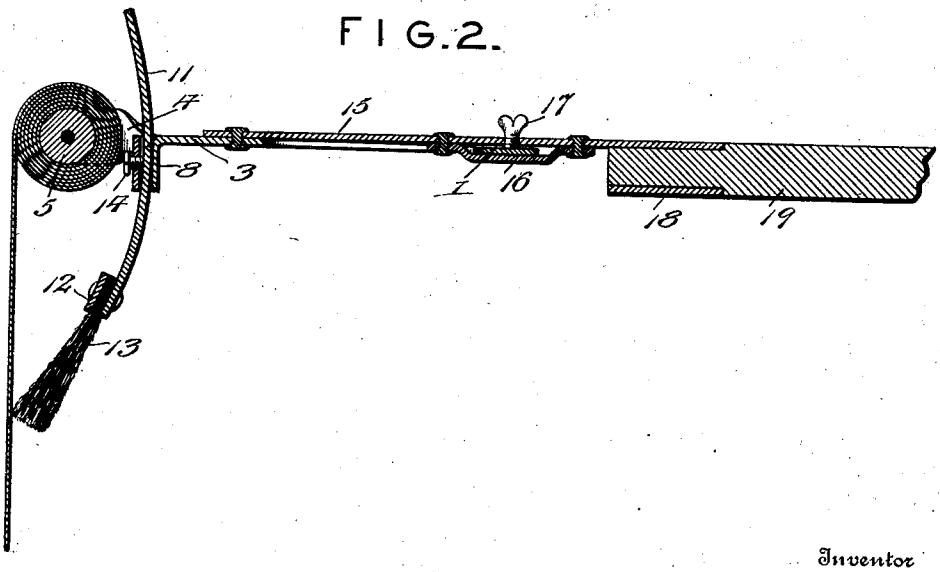


FIG. 2.



Witnesses

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PAPER-HANGING MACHINE.

SPECIFICATION forming part of Letters Patent No. 701,727, dated June 3, 1902.

Application filed January 15, 1902. Serial No. 89,904. (No model.)

To all whom it may concern:

Be it known that I, CUTHBERT HOLMES, a citizen of the United States, residing at Montgomery, in the county of Fayette and State of West Virginia, have invented new and useful Improvements in Paper-Hanging Machines, of which the following is a specification.

This invention relates to a paper-hanging machine; and the object of the same is to facilitate or expedite the application of lengths of paper to a wall or ceiling without pursuing the separate operations of first hanging the paper and then brushing or rolling the same, and also to provide a simple and effective device which may be easily handled and operated.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a paper-hanging machine embodying the features of the invention. Fig. 2 is a longitudinal vertical section on the line 2 2, Fig. 1.

Similar numerals of reference are employed to indicate corresponding parts in the views.

The numeral 1 designates a segmental body, preferably formed of suitable non-corrosive metal having such thickness as to establish a practical rigidity without unnecessarily increasing the weight. This body 1 is open, and the forward extremities are connected by a cross-bar 2, having a central rearwardly-projecting tongue 3. The front terminals of the extremities of the body 1 are projected in advance of the bar 2 and given a quarter-twist to provide bearings 4, in which the ends of a roller 5 are rotatably mounted, the one bearing 4 having a slot 5 cut downwardly thereinto from the upper edge and provided with a pivoted latch 6 with a slot 7 in its under edge near the free end thereof to facilitate the ready removal and application of the roller 5 to the bearings 4. The front edge of the bar 2 is turned downwardly at an angle to form a back brace 8, as clearly shown by Fig. 2, and secured at its opposite ends to said brace is a retaining-strip 9, having outstruck seats 10 at regular intervals, said seats forming, with the back brace, sockets to removably and adjustably receive curved arms 11, projecting upwardly from a brush-head 12, having suitable brush-bristles 13 secured thereto. Through the curved construction of the arms 11 the brush head, and bristles carried thereby, forming a complete brush structure, are adjustable in the arc of a circle, and to hold the brush in a fixed adjusted position set-screws 14 are inserted in the central portions of the outstruck seats 10 and are adapted to firmly impinge against the arms 11 and clamp the latter against the back brace 8.

To the tongue 3 the front end of a slide-arm 15 is pivotally secured, and in rear of its pivotal point said arm has a slide-loop 16 secured thereto and passing under the body 1. The slide-loop 16 holds the portion of the arm 15 thereabove in close relation to the body 1, said portion of the arm 15 above the slide-loop having a clamping-screw 17 mounted therein to bear upon the body and hold the arm 15 in its adjusted position. The rear end of the arm is formed with a socket 18, in which a handle 19 of any suitable length is secured.

In the use of this paper-hanging machine or device the wall to be papered is first supplied with a coating of paste, and lengths of paper are then wound upon the roller 5, the length of the paper wound upon the roller being approximately equal to the length of the portion of the wall to which the paper is to be applied. The brush is then adjusted to bear with sufficient firmness on the paper, which is unwound a suitable length for starting purposes, and the operator then applies the paper to the wall to be covered and gradually elevates the machine in proper alinement with the strips of paper which may have already been applied or with some other guiding means, such as a corner line or framing. The paper adhering to the paste on the wall will be gradually unwound from the roller and brushed or pressed firmly in place by the brush attachment set forth, the pressure of the brush on the paper being regulable at will to practically perform the operation desired. The paper may also be simi-

larly applied to a ceiling, and the body 1, together with the brush and roller carried thereby, can be disposed at an angle to the handle 19 by shifting the arm 15 on said body, so that the operator may be enabled to conveniently stand at one point and cover considerable wall-space on either side of his position and still maintain the roller and brush in a plane relatively to the wall operated upon, which may be necessary to effectively carry out the paper-hanging operation. It is obvious that care must always be taken to have the machine square with the wall in order to put the paper on straight, and the adjustment of the arm 15 will assist in maintaining this square position.

As before indicated, the improved machine can be used on side walls or ceilings, and it is also advantageous in applying borders, and for different operations the brush may be reversed and projected above the position shown in the drawings. When the length of paper becomes unwound from the roller 5, the latter is removed and another length rolled thereon, and this operation becomes successive until the wall or ceiling to be covered is completed.

Having thus fully described the invention, what is claimed as new is—

1. In a machine for hanging wall-paper, the combination of a body, a roller removably mounted therein, and an adjustable brush coöperating with the said roller, the said brush being reversible to extend above or below the plane of the roller.

2. In a paper-hanging machine, the combination of a body, a roller removably mounted therein, a brush, coöperating with the roller, and an arm adjustable on the body and having a handle attached thereto.

3. A paper-hanging machine comprising a segmental body with paper supporting and setting means, and an arm having a portion embracing and slidable on the said body in the arc of a circle, the said arm having a handle attached thereto.

4. In a paper-hanging machine, the combination of a body, paper-supporting means carried by said body, and a brush having a series of curved arms adjustable in relation to a portion of the body.

5. A paper-hanging machine comprising a body with paper-supporting means, and a setting device having curved arms adjustable and reversible in relation to a portion of the body.

6. A paper-hanging machine comprising paper-supporting means, and a setting device adjustable and reversible in relation to the said supporting means.

In testimony whereof I affix my signature in presence of two witnesses.

CUTHBERT HOLMES.

Witnesses:
C. H. DAVIS,
JOHN WEYERSMILLER.