

C. E. HAMELSTROM.
WALL PAPERING APPARATUS.
APPLICATION FILED AUG. 31, 1909.

951,562.

Patented Mar. 8, 1910.

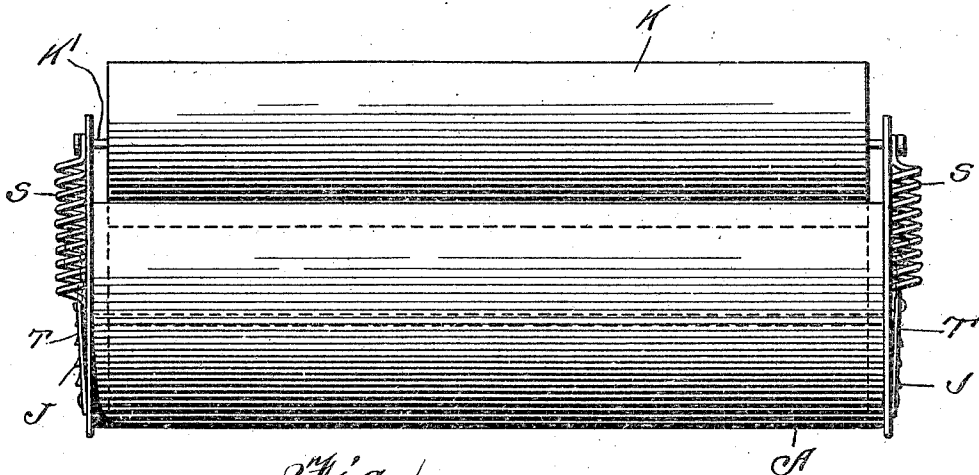


Fig. 1.

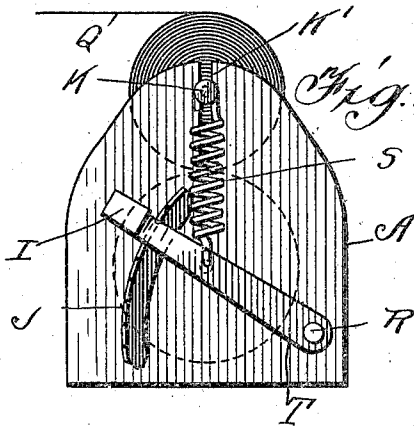


Fig. 2.

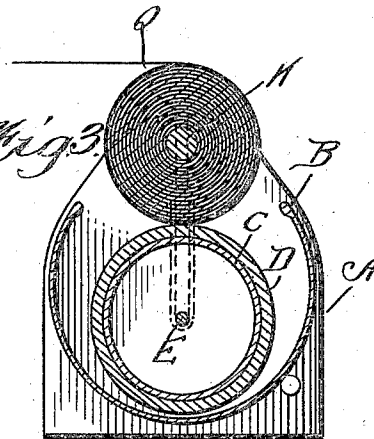


Fig. 3.

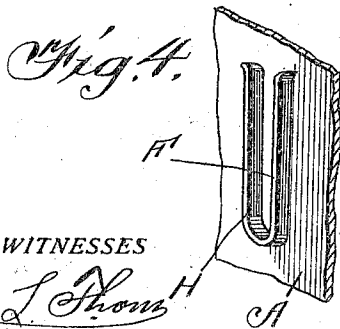


Fig. 4.

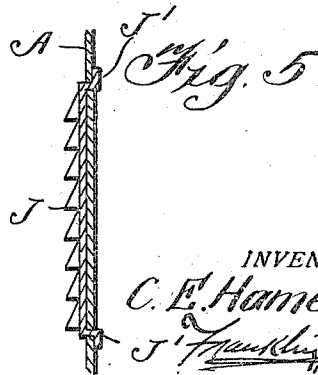


Fig. 5.

WITNESSES
Geo. L. Thom
A. L. Hough

INVENTOR
C. E. Hamelstrom.
J. Franklin Hough
Attorney

UNITED STATES PATENT OFFICE.

CHARLES E. HAMELSTROM, OF SIOUX FALLS, SOUTH DAKOTA.

WALL-PAPERING APPARATUS.

951,562.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES E. HAMELSTROM, a citizen of the United States, residing at Sioux Falls, in the county of Minnehaha and State of South Dakota, have invented certain new and useful Improvements in Wall-Papering Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in apparatus for applying wall paper and affords means whereby a roll of paper may be applied without cutting separate strips and pasting as is ordinarily the custom.

The invention comprises various details of construction, combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of my apparatus. Fig. 2 is an end view. Fig. 3 is a transverse sectional view, and Figs. 4 and 5 are detail views.

Reference now being had to the details of the drawings by letter, A designates a receptacle in which the operative parts of the apparatus are mounted. Within said receptacle is a paste receiving reservoir B, and V designates a cylinder about which is a cover G, preferably of rubber or other suitable material. Said cylinder has spindle ends E which are adapted to be journaled in the lower ends of the elongated slots F formed on the inner faces of the end walls of the receptacle, said slots being formed by a U-shaped flange H projecting from the wall as shown and forms means whereby the roller may be inserted in place and removed.

K designates a reel upon which a roll of paper W is adapted to be wound, the spindle ends of said roller being adapted to have a play in the slots K' formed in the ends of the receptacle. Projecting from each end of the receptacle is a pin R, and T designates a lever which is pivotally mounted upon each of said pins. A spring S is fas-

tened to each of said levers and the other end to the spiral end of the reel K.

Fastened to each end wall of the receptacle is a ratchet bar J, the ends J' of which are bent at an angle and extend through apertures in the receptacle and serve as a secure means for holding the ratchet bars in place. Each of said levers has a handle portion I, forming means whereby the two handles may be moved so that the edges of the levers will engage the ratchet teeth upon opposite ends of the receptacle and thereby regulate the tension of the springs which hold the roll of paper continuously against the circumference of the roller D.

In operation, the roll of paper is mounted upon the reel in the manner shown and paste placed within the reservoir in which the roller D turns. As the paper is unwound from the reel, the frictional contact between the roll of paper and the roller D will cause said paper to be coated with paste, the springs tending to hold the paper yieldingly against the paste applying roller below. It will be understood that, as the roll of paper decreases in size, the tension of the springs may be increased by pressing down upon the levers, thus preventing the paper from slipping. In the event of there being a rough place upon the wall being papered, the tension of the springs should be kept as loose as possible, allowing more paste to be distributed upon the paper and the tighter the tension a less quantity of paste will be distributed.

What I claim to be new is:—

1. An apparatus for applying wall paper, comprising a receptacle with a paste reservoir therein, a paste applying roller journaled in suitable bearings in the ends of said reservoir, a reel mounted in slots in the ends of the receptacle and upon which a roll of paper is adapted to wind, levers pivoted to the wall of the receptacle, springs connecting said levers with the spindle of said reels, and means for regulating the tension of said springs.

2. An apparatus for applying wall paper, comprising a receptacle with a paste reservoir therein, a paste applying roller journaled in suitable bearings in the ends of said reservoir, a reel mounted in slots in the ends of the receptacle and upon which a roll of paper is adapted to wind, levers pivoted to the wall of the receptacle, springs con-

necting said levers with the spindle of said reels, levers pivoted to the ends of the receptacle and to which said springs are fastened, ratchet segments fixed to the receptacle and adapted to be engaged by the edge of said levers.

3. An apparatus for applying wall paper, comprising a receptacle with a paste reservoir therein, a paste applying roller journaled in suitable bearings in the ends of said reservoir, a reel mounted in slots in the ends of the receptacle and upon which a roll of paper is adapted to wind, levers pivoted to the wall of the receptacle, springs connecting said levers with the spindle of said reels, levers pivoted to the ends of the receptacle, the ends of said levers having handles, the end of each spring being fastened to one of said levers, curved ratchet segments fastened to each end of the casing and adapted to be engaged by said levers.

4. An apparatus for applying wall paper, comprising a receptacle with a paste reservoir therein, a paste applying roller journaled in suitable bearings in the ends of said reservoir, a reel mounted in slots in the ends of the receptacle and upon which a roll of paper is adapted to wind, levers pivoted to the wall of the receptacle, springs connecting

said levers with the spindle of said reels, levers pivoted to the ends of the receptacle, the ends of said levers having handles, the end of each spring being fastened to one of said levers, curved ratchet segments having ends which extend through slots in the end walls of the receptacle, the teeth of said segments being adapted to be engaged by the edges of said levers.

5. In combination with a receptacle having a paste reservoir therein, U-shaped flanges projecting from each end wall of the reservoir, a paste applying roller having spindle ends journaled between said flanges, a paper reel having spindle ends journaled in slots formed in the ends of the receptacle, levers pivoted to the receptacle, springs connecting the reel with said levers, and ratchet segments to hold the levers in different positions for regulating the tension of said springs.

In testimony whereof I hereunto affixed my signature in the presence of two witnesses.

CHARLES E. HAMELSTROM.

Witnesses:

CARL E. OKERSTROM,
FREDRIK ANDERSON.