J. I. RICHARDSON.

WALL PAPERING MACHINE.

APPLICATION FILED AUG. 30, 1912.

1,084,964.

Patented Jan. 20, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

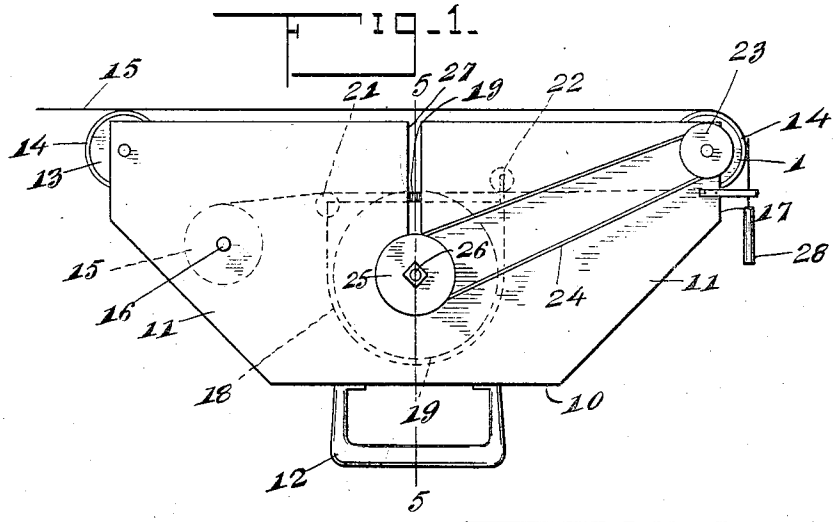
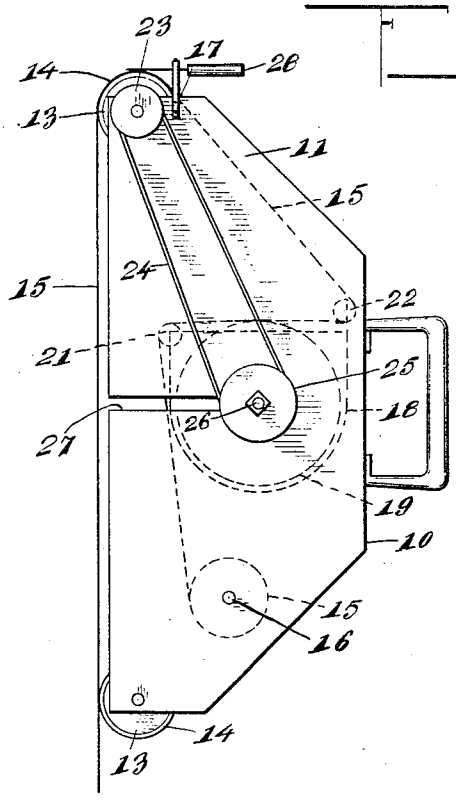


Fig. 2.



Witnesses
C. R. Bealle.
J. E. Emrcl

Inventor
J. I. Richardson.

By Donnabee & Donnabee

Attorneys.

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2 SHEETS—SHEET 2.

FIG. 3.

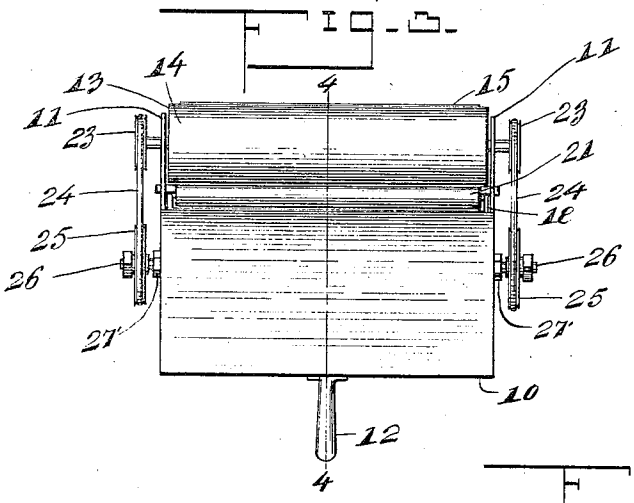


FIG. 4.

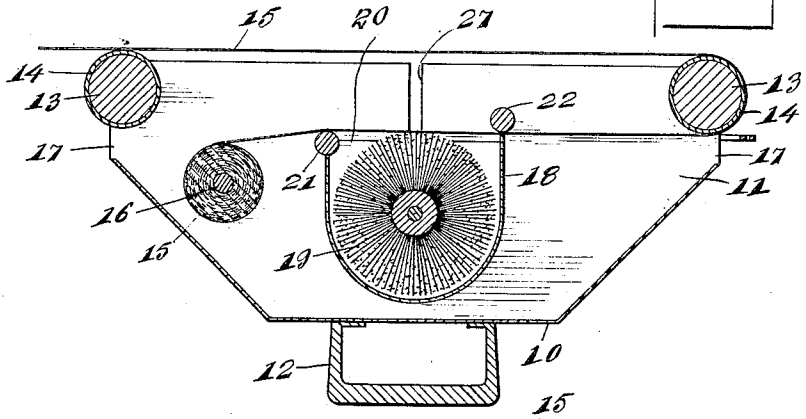
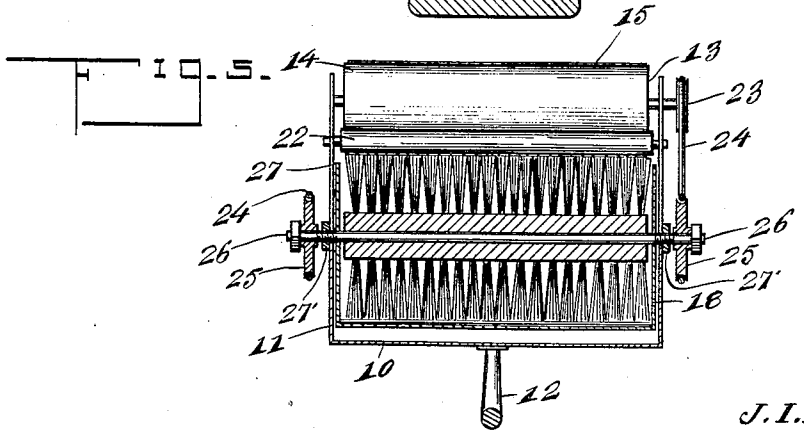


FIG. 5.



Witnesses

Charles R. Beadle

E. Burch

Inventor

J. I. Richardson.

By Thomas & Thomas

Attorneys

UNITED STATES PATENT OFFICE.

JAMES I. RICHARDSON, OF UNIONVILLE, INDIANA.

WALL-PAPERING MACHINE.

1,084,964. Specification of Letters Patent. Patented Jan. 20, 1914.

Application filed August 30, 1912. Serial No. 717,915.

To all whom it may concern:

Be it known that I, JAMES I. RICHARDSON, a citizen of the United States, residing at Unionville, in the county of Monroe, State of Indiana, have invented certain new and useful Improvements in Wall-Papering Machines; 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.

This invention relates to wall papering machines and the object of the invention is to provide a novel machine of this character for applying wall paper and in which the same is spread with paste and pressed to the wall in one operation.

Another object of the invention is to provide a machine which comprises a pair of rollers for applying the paper from a supply roll and a brush which is mounted in a paste pan for applying the paste to the paper, said paste pan being adapted for movement so that the device may be efficiently used in applying the paper to the walls or ceiling of a room.

With the above and other objects in view the invention consists of certain other combinations and arrangements of parts as will be hereinafter more fully described and claimed, it being a still further object to provide a device which will not be likely to get out of working order.

In the drawings:—Figure 1 is a side elevation of my improved wall papering machine in use for applying paper to a ceiling. Fig. 2 is a similar view but showing the device in use for the application of the paper to the side walls of a room. Fig. 3 is a rear elevation of the device. Fig. 4 is a longitudinal sectional view taken on the line 4—4 of Fig. 3. Fig. 5 is a transverse sectional view on the line 5—5 of Fig. 1.

Referring to the drawings in detail, there is shown a casing 10 preferably formed of sheet metal and which has the side portions 11 and which may be provided with a suitable handle or operating member 12, the said casing being adapted to inclose the working parts of the machine. Rotatably mounted at the ends of the casing adjacent to the open side of the casing are a pair of light wooden rollers 13, preferably covered with rubber as shown at 14, said rollers extending transversely of the casing at the ends thereof and being of sufficient length to properly receive a strip of wall paper 15. A supply roller 16 is also rotatably mounted in the side portions of the casing adjacent to the lowermost of the rollers when the device is shown in position for application of the paper to a wall and a strip of paper 15 is engaged over the rollers 13 and through a slot in the casing as shown at 17 and wound upon the roller 16 to be fed therefrom as the paper is applied to a wall.

A paste pan 18 is mounted transversely of and centrally of the longitudinal extent of the casing and rotatably receives the paste applying brush 19 which projects partly through one open side 20 of the pan so as to apply the paste to the exposed side of the paper which after it passes over the first roller 13 will be presented toward the wall. The paste pan 18 at its open side carries a pair of rollers 21 and 22 located on different planes, the top of the roller 21 being on a common line with the inside of the roller 22 while the paper passes over the roller 21 before being exposed for the spreading of the paste and then passes under the roller 22 after the paste has been applied so as not to scrape the same from the paper.

The rollers 13 upon their ends carry pulleys 23 and endless belts 24 are engaged around said pulleys 23 and a pair of pulleys 25 at the ends of the spindle member of the brush 19 so as to rotate the brush and feed the paper when applying the same.

Trunnions 26 extend from each end of the paste pan 18 and are capable of application to the casing 10 by means of slots 27 communicating with the open side edges of the casing, and are held in position by binding nuts 27′, so that when the device is in use for applying paper to a ceiling the open side of the paste pan will be toward the open side of the casing and when in use for applying paper to a side wall, the binding nuts 27′ may be loosened upon the trunnions 26 so that the pan may be shifted to dispose the open side vertically after which the pan may be secured by again tightening the binding nuts in contact with the sides of the casing.

In using the device in this manner, it is necessary that the greater portion of the pan be circular so as to permit proper passage of the paper over the roller 21 and under the roller 22 as shown in the drawing and after the paper has been once disposed around the rollers, the machine is operated

and the contact of the paper with a ceiling or wall in connection with the rollers 13 will evenly apply the paper. Thus the single operation suffices for applying the paste to the paper, feeding the same for such application and the two rollers press the paper to the wall thus insuring accuracy and neatness and avoiding wrinkles.

From the foregoing description it will be seen that I have provided a wall papering machine which is simple in construction, efficient in operation and durable in use, especially for the application of the paper to ceilings or side walls of a room and it is further obvious that the device will be economical in the manufacture. A knife or shear 28 is also slidably mounted at one end of the casing 10 adjacent the roller 13, so as to clip the paper when a strip of paper has been applied.

I claim:—

A papering machine comprising a casing having a flat open side, a handle for the casing, rollers rotatably mounted transversely of the casing in the sides thereof at each end, a paper supply roller also rotatably mounted in said sides adjacent one of the rollers first mentioned, a paste pan having a circular wall with an open side, guide rollers mounted on the edges of the pan at said open side, disposed to receive a strip of paper from the supply roll over and under the successive rolls carried by the pan and over the rollers carried by the casing at each end thereof, a brush rotatably mounted in the paste pan, geared connections between the brush and end rollers and nuts threaded on the brush shaft and tightenable against the outer face of said casing whereby the pan may be held in a shifted position for use upon a wall or ceiling.

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

JAMES I. RICHARDSON.

Witnesses:

TILMAN H. DOLSBERRY,

SETH LACECEY.