(No Model.)

B. G. WRIGHT.

WALL PAPER HANGER.

No. 286,669. Patented Oct. 16, 1883.

Fig. 1

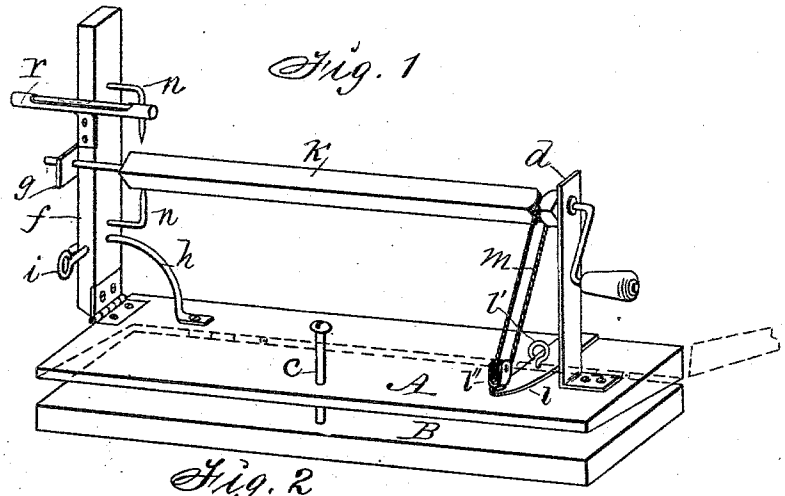
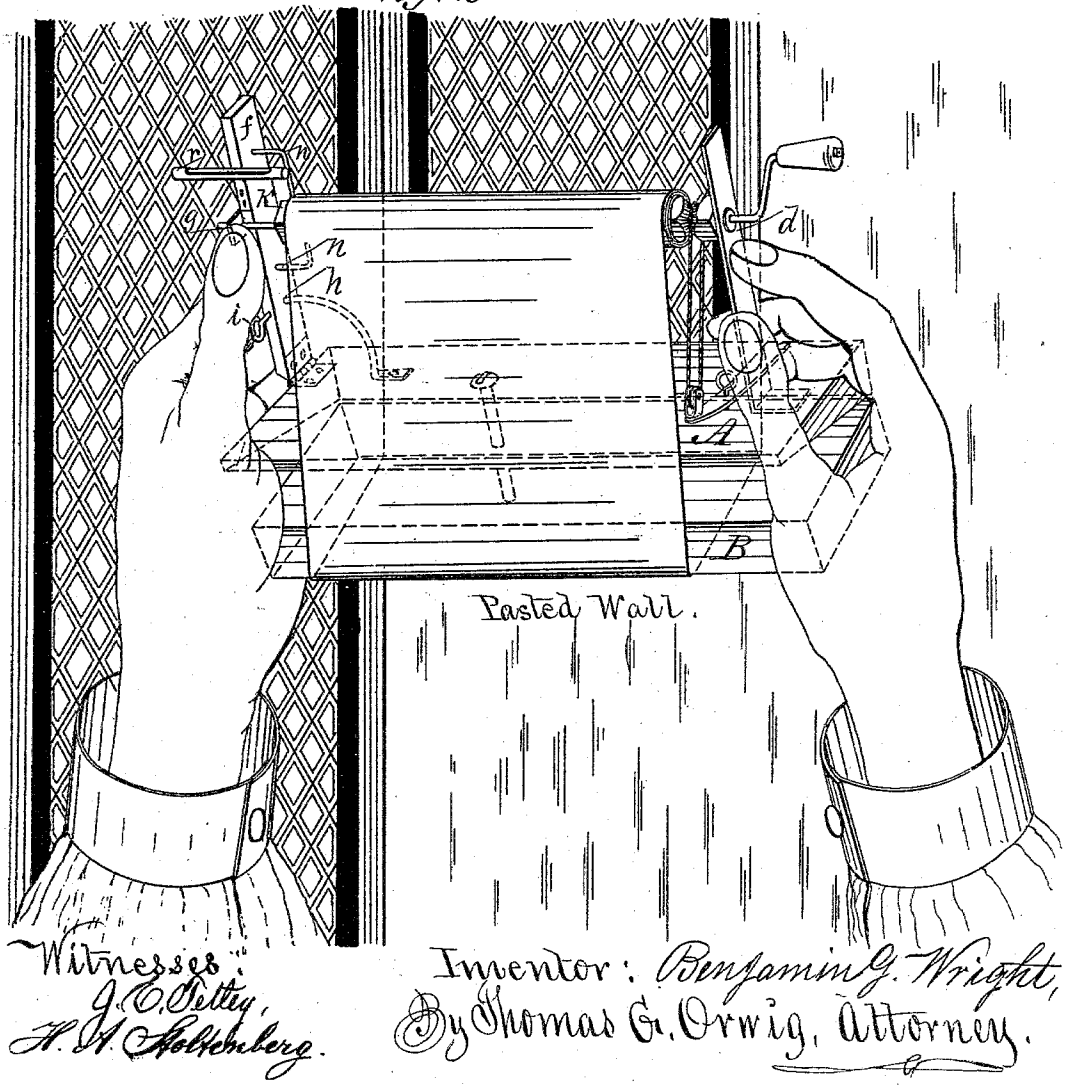


Fig. 2



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UNITED STATES PATENT OFFICE.

BENJAMIN G. WRIGHT, OF OSCEOLA, IOWA.

WALL-PAPER HANGER.

SPECIFICATION forming part of Letters Patent No. 286,669, dated October 16, 1883.

Application filed March 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN G. WRIGHT, of Osceola, in the county of Clarke and State of Iowa, have invented an Improved Wall-Paper Hanger, of which the following is a specification.

The object of my invention is to save time and labor in papering walls and to facilitate the placing of the paper straight and getting it attached without wrinkling or tearing, as required to produce neat and smooth papered walls.

It consists in forming, arranging, and combining a jointed base, a detachable roller, and a spirit-level, as hereinafter fully set forth, in such a manner that a continuous sheet or roll of paper can be readily placed upon the roller and adjusted relative to the base and the spirit-level, and its free end fastened squarely to the top of a wall and the sheet unrolled and fastened perpendicularly and smoothly to the wall by simply moving the machine downward over the wall.

Figure 1 of my accompanying drawings is a perspective view of my machine ready to receive a roll of paper. Fig. 2 is a perspective view, showing it in position as required in applying paper to a wall. Together these figures clearly illustrate the construction and operation of my complete invention.

A and B are two wooden base-pieces, hinged together at their side edges. The part A is beveled on its under side and has a thin front or free edge. It carries a set-screw, *c*, by means of which the two sections are adjusted and retained relative to each other when the machine is in use.

d is a post fixed on top of the part A. It has a slot and shaft-bearing in its top end.

f is a post hinged to the opposite end of the part A, and has a perforated shaft-bearing, *g*, fixed thereto.

h is an arc fixed to the part A to extend through a perforation in the hinged post *f* in such a manner that the post can be adjusted relative to the arc and base, and fastened rigidly thereto by means of a set-screw, *i*, carried by the post.

k is a roller connected with the posts *d* and *f* by passing the free end of its shaft horizontally through the bearing *g*, and dropping the other end of its shaft, which has a crank-handle attached, vertically into the slot at the top of the post *d*.

l is an elastic or adjustable pulley-bearer, fixed near the bottom of the post *d* upon the base A in such a manner that its free end can be raised and lowered by means of a set-screw, *l'*, to regulate the tension of a belt, *m*, that extends over the pulley *l''*, carried on the free end of the bearer *l*, and also over a drive-pulley formed on or fixed to the roller *k*.

n n are fenders fixed to the hinged post *f* to engage the edge of the paper when a roll is placed on the roller and to keep the paper straight relative to the post as it is being unrolled and fixed to the wall.

r is a spirit-level, fixed at right angles to the hinged post *f* in any suitable way.

In the practical operation of my machine I turn the hinged post outward to free the end of the roller-shaft and then slip a continuous sheet and roll of wall-paper upon the roller and replace the end of the roller-shaft in the bearing carried by the hinged post and readjust and fix the post perpendicular relative to the complete machine by means of the arc and spirit-level; or I wind a sheet of wall-paper upon the roller by fastening its end to the roller and then turning the roller by means of the crank at its end. Before using the machine to apply the paper carried upon its roller, I make a paste in a common way by stirring two (2) pounds of shorts in a gallon of water and boiling it. After it becomes cool, I add two (2) ounces of gum-arabic dissolved in cold water, and half (½) an ounce of glue dissolved in warm water. I then apply the paste to the wall that is to be covered with paper by means of a brush, and hold the machine to the top of the wall and bring it into a level position by means of the spirit-level attached thereto, and then fasten the free end of the wall-paper squarely to the wall and move the machine downward, as illustrated by Fig. 2, to apply the paper perpendicularly and to rub it smooth and press it fast to the pasted wall by means of the top edge of the base-piece A, which is adjusted relative to the contiguous edge of the part B by means of the screw *c*, to cause it to project toward the wall and to prevent the part B from coming in contact with the wall.

I claim as my invention—

1. In a wall-paper hanger, the combination of a base-piece having a fixed post and shaft-bearer, *d*, at one end, and a hinged post, *f*, at the opposite end, carrying a fixed shaft-bearing, *g*, and a detachable roller, *k*, substantially as shown and described, for the purposes specified.

2. The combination of the base A, having a fixed post, *d*, and a fixed arc, *c*, and an adjustable hinged post, *f*, carrying a spirit-level, *r*, substantially as shown and described, for the purposes specified.

3. The paper-hanging machine composed of the following elements, to wit: the jointed base A B, carrying a screw, *c*, the fixed post *d*, the hinged post *f*, carrying a fixed shaft-bearing, *g*, and a spirit-level, *r*, the post-adjusting arc *h*, and the roller-tension device *l l' l'' m*, substantially as shown and described, to operate in the manner set forth.

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Witnesses:
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