G. M. Lane,

Papering Machine.

NO. 107,388. Patented Sept. 13. 1870.

Fig 1

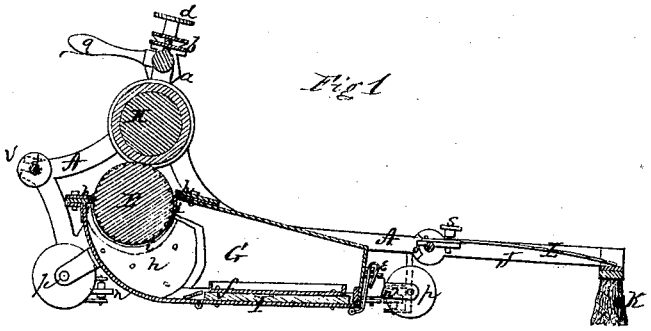

Fig 2

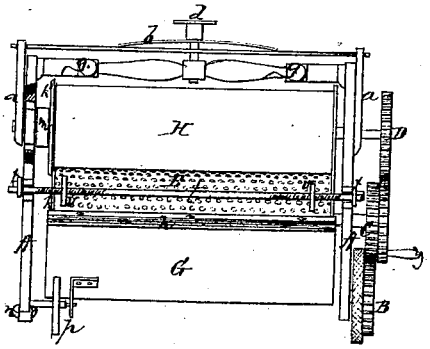

Fig 3

Witnesses

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GEORGE M. LANE, OF DE GRAFF, OHIO.

Letters Patent No. 107,388, *dated September* 13, 1870.

IMPROVEMENT IN PAPERING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, GEORGE M. LANE, of De Graff, in the county of Logan and in the State of Ohio, have invented certain new and useful Improvements in Machine for Papering Walls and Ceilings; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "machine for papering walls and ceilings," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section, and

Figure 2 is a front view of the machine.

Figure 3 is a view of the mechanism by which the rod holding the paper is kept in place.

A represents the frame of my machine.

B is the driving-wheel, which turns the cog-wheel C, and this wheel turns another wheel, D.

The wheel C is placed upon the journal of the roller E, which runs in the paste-box G, and has crevices or indentations in it sufficient to hold enough paste to paste the paper to make it stick to the wall.

The wheel D is attached to the journal of the roller H, which is covered with rubber or other pliable material, and presses the paper evenly on the roller E.

The roller H has its journal bearings in slides, *a a*, moving in the frame A, and are held down by a spring, *b*, which may be tightened or loosened by the screw *d*.

The paste-box G, which is supported by suitable means in the frame A, is provided with a lid, I, fastened by the fastenings *e e*, as shown, and rendered tight by the use of rubber, *f*, or other suitable material, to keep it from leaking.

Rubber, *i*, or other material is, also, put in close on each side and each end of the roller E, to keep the paste from leaking out, said rubber being held in place on each side of the roller by metal plates, *h*, as shown.

k k' are knives to trim the paper, the knife *k* being made fast on the end of the roller E, and the knife *k'* movable on the roller H, and made to press tight against the knife *k* by means of a spring, *m*, of rubber, or other material, on the outside of the knife.

This spring *m* may be tightened or loosened by a screw between it and the frame A.

g g are handles attached to a cross-bar, connecting the two sides of the frame A.

On one side of the frame A are two small wheels, *n n*, to roll against a straight-edge, to guide the machine, and the wheels *p p*, as shown in fig. 1, roll against the wall, and keep the paste-box from touching it.

At the rear end of the frame A is pivoted another frame, J, which carries the brush K, said brush following the machine, and pressing the paper on the wall.

This brush is held against the paper by means of a spring, L, which is tightened or loosened at will by the screw *s*, so as to make the brush press heavy or light, as may be desired.

In the front end of the frame A is placed a rod, *t*, having screw-threads on each end, for moving the disks or flanges *v v*, on the same. The roll of paper is placed on this rod, and, by moving the flanges *v v*, the paper is readily adjusted to make the knives *k k'* trim off just the blank edge.

The rod *t* is placed in notches on the frame, and held by hooks *x x*, as shown in fig. 3.

The whole machine is to be made of as light material as possible, so as not to be heavy to handle.

A crank, *y*, may be attached to the wheel C, so as to run the machine by hand, when the wheel B cannot be rolled on the wall.

The machine, in all cases, is to run from the brush; that is, the brush follows after the machine.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The paste-box G, provided with lid I, rubber *f*, rubber strips *i i*, and metal plates *h h*, all substantially as and for the purposes herein set forth.

2. The roller E, provided with crevices or indentations around its entire surface, and used in combination with the paste-box G and pliable roller H, substantially as and for the purposes herein set forth.

3. The knife *k*, attached to the end of the roller E, in combination with the movable knife *k'*, held against the end of the roller H, by means of the spring *m*, substantially as and for the purposes herein set forth.

4. The pivoted frame J, with brush K, spring L, and screw *s*, constructed and arranged substantially as and for the purposes herein set forth.

5. The rod *t*, with screw flanges *v v* placed in notches on the frame A, and held by the hooks *x x*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 22d day of June, 1870.

G. M. LANE.

Witnesses:

TOM. S. SPELLMAN,

FRANK DONNELLY.