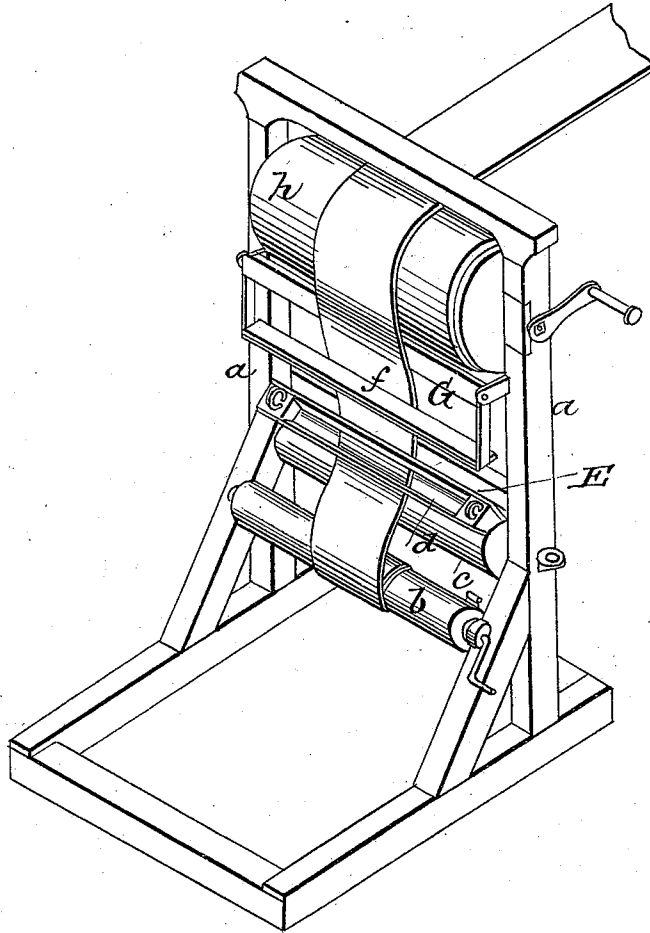


M. SAWYER.

Machine for Coating Oil Cloth.

No. 40,364.

Patented Oct. 20, 1863.



Witnesses
A. H. Phillips,
W. H. Campbell,

Inventor
Milo Sawyer.

UNITED STATES PATENT OFFICE.

MILO SAWYER, OF CINCINNATI, OHIO.

IMPROVED MACHINE FOR COATING OIL-CLOTH.

Specification forming part of Letters Patent No. 40,364, dated October 20, 1863.

To all whom it may concern:

Be it known that I, MILO SAWYER, of Cincinnati, in the county of Hamilton, in the State of Ohio, have invented a new and useful Machine for Coating or Painting Oil-Cloth; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, which is a perspective view.

The upright frame *a* is constructed of suitable material and of dimensions according to the width of the cloth intended to be coated.

b is the roller on which the cloth is wound.

c is an elastic cushion or roller, which forms the bottom of the paint-box.

d is the box containing the paint or material to be applied to the cloth.

e and *g* are corrugated beams for extending the cloth laterally.

f is a scraper for smoothing the paint on the surface of the cloth.

h is a cylinder over which the cloth runs, acting as a puller to draw the cloth through the machine. It is made of such diameter as will present sufficient tractive surface to draw the cloth forward when it is made to revolve. To increase this tractive power, the cylinder is covered with an elastic cushion, which may be made of woolen blanket, cotton-batting, or other suitable material, over which is stretched an oil-cloth or leather cover.

A short time before the machine is to be used the cylinder *h* may be coated or brushed over with varnish or drying oil, and permitted to partially dry, and thus leave an adhesive or tacky surface, which seizes hold of the under surface of the cloth and draws it through the machine.

To operate the machine, the cloth is first wound on the roller *b*. The end is then passed over the cushion *c* and under the paint-box *d*, the sides of which box act as a scraper to remove the superfluous paint from the surface of the cloth. The cloth passes on over the corrugated beams *e* and *g*, under the scraper *f*, which further smooths the paint on the surface of the cloth. The cloth next passes to the cylinder *h*, which, being turned, draws it forward through the machine, after which the cloth is hung up to dry.

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

The application of an adhesive, elastic, or tractive cylinder, which draws the cloth through the machine or under a scraper, for the purpose of coating cloth in long pieces, as hereinabove described, thus obviating the necessity of stretching it in frames or cutting it in short pieces.

MILO SAWYER

Witnesses:

JOHN S. HOLLINGSHEAD,
WM. M. IRWIN.