L. HOMANN

STRIPING IMPLEMENTS FOR PAINTERS' USE.

No. 194,039. Patented Aug. 14, 1877.

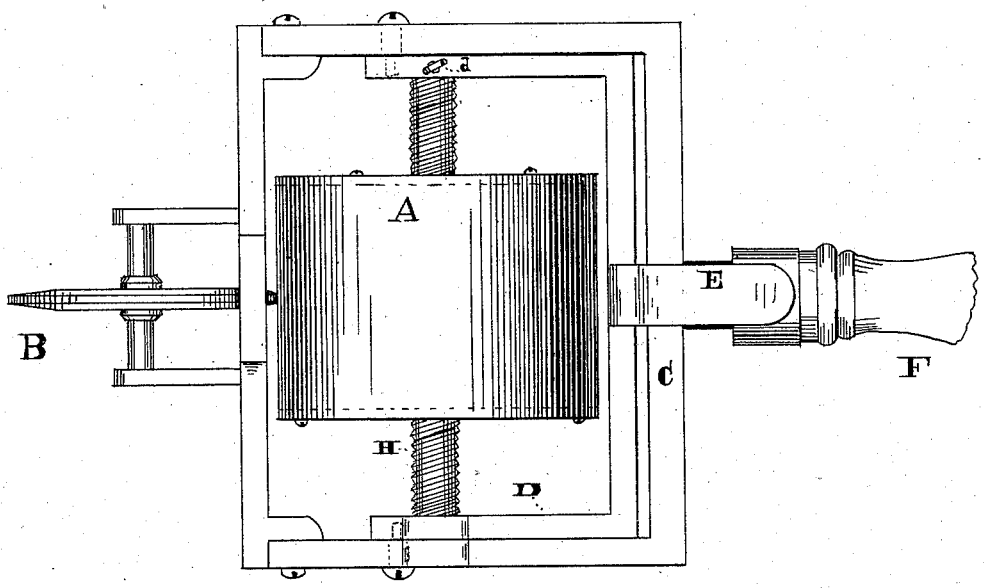

Fig. 1

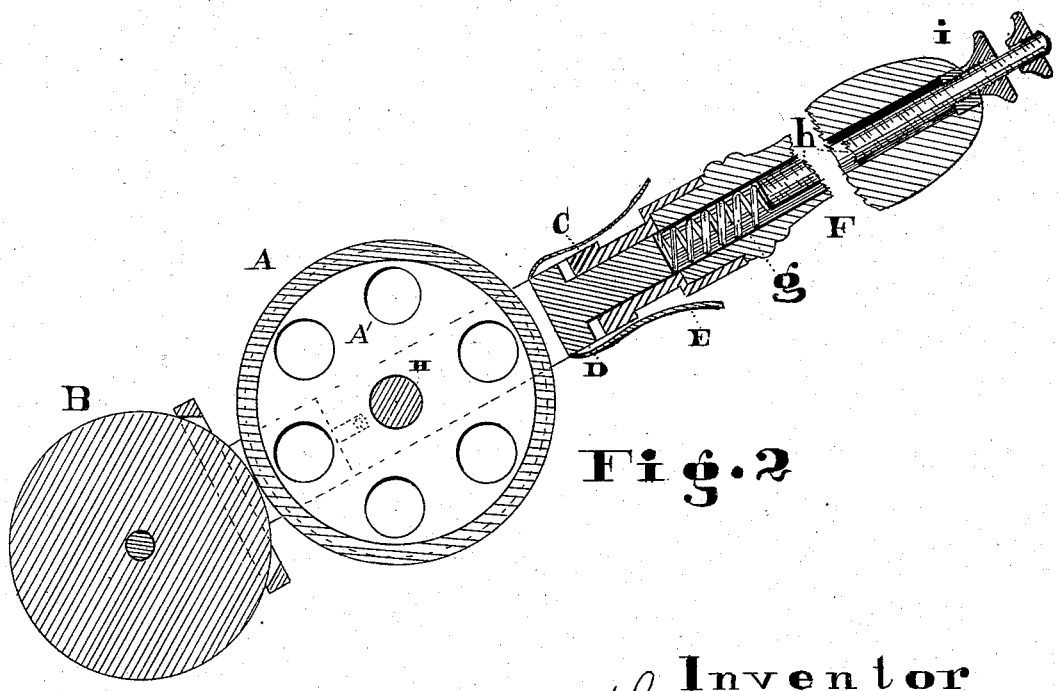

Fig. 2

Attest

James Moore

John. M. Hubbell

Inventor

Louis Homann

by Geo. Murray

his Attorney

UNITED STATES PATENT OFFICE.

LOUIS HOMANN, OF CINCINNATI, OHIO.

IMPROVEMENT IN STRIPING IMPLEMENTS FOR PAINTERS' USE.

Specification forming part of Letters Patent No. **194,039**, dated August 14, 1877; application filed June 19, 1877.

To all whom it may concern:

Be it known that I, LOUIS HOMANN, of the city of Cincinnati, county of Hamilton and State of Ohio, have invented a new and useful Improvement in Striping-Tools, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view, and Fig. 2 a longitudinal section through the center of the handle.

This invention is an improved tool for making stripes of any width upon surfaces in any position. It is designed especially for striping heavy articles of manufacture upon any of their sides without requiring the article to be turned over for the purpose, or to be used in frescoing the walls and ceilings of houses.

It consists of a marking and a distributing roll of hard or vulcanized rubber, suitably adjusted to each other in a convenient frame, the rolls being parallel to insure perfect contact of their peripheries, and thus an even distribution of the color upon the marking-roll from the distributing-roll, which is rotated by frictional contact with the marking-roll upon a screw-shaft, which carries it from end to end of the frame, and by reversing the tool and continuing the operation carries it back.

In the drawing, C is a rectangular frame, to one end of which is secured the hollow handle F; to its opposite end the bearings in which the marking-wheel B is journaled. This end is detachable, and is slotted to permit the wheel B to pass through it and touch the distributing-wheel. D is the frame which carries the distributing-roll A. It is fitted to slide longitudinally in the frame C, having slots in its sides for this purpose, into which the screw-pins, which pass through the outer frame, enter. Attached to the back of the frame D is a piston which passes through the frame C and enters the hollow handle. A spiral spring, *g*, compressed between the ends of the piston, and a set-screw, *h*, in the hollow handle, keeps the wheels in contact. The frictional contact is regulated by the set-screw *h*, and nut *i* located in the end of the handle. Two catches, E, secured to the frame D, project over the outer frame, and in a convenient position over the handle, to be operated by the thumb and finger. These I use for the purpose of withdrawing the wheel A from contact with the marking-wheel, and holding it out of contact while charging wheel A with color.

The distributing-wheel A is made from a tube of hard rubber, as follows: A piece of the required size is cut from the tube. The heads A′ of metal are rabbeted into the ends, so that the ends of the cylinder come flush with the heads. The wheel is then turned off true and smooth. A screw-thread is cut in one or both of the heads (according to whether the shaft H is threaded through one-half or the whole of its length) to correspond with the screw on the shaft H. The screw-shaft H is made to slip to its place through the side of the frame, and is held stationary in its place by the set-screw *d*. The wheel B is also made of hard rubber.

The advantage of using this material is that while it will take up and hold the color equal to soft or elastic substances, it will make a sharper line, and one that will be uniform whether more or less pressure is exerted in making the stripe. It will not absorb the color, and for this reason is easily kept clean.

Both wheels may be removed from the frame and others substituted when a different width of stripe is required.

The pitch of the screw upon the shaft must correspond to the width of the striping-wheel.

A coarser or finer screw must be used, according to whether a wider or narrower stripe is required.

I claim—

1. The hollow rubber distributing-wheel composed of a tube of hard rubber with metal heads, substantially as and for the purpose specified.

2. In a striping-tool the combination of a striping-wheel and distributing-wheel, the distributing-wheel rotating upon a screw-shaft, substantially as shown.

3. The combination of striping-wheel frame C and distributing-wheel frame D, adjustably fitted within frame C, the two frames being connected together as shown, and operating as described.

LOUIS HOMANN.

Witnesses:
GEO. J. MURRAY,
JAMES MOORE.