L. R. Witherell,

Hand Starter.

No. 62,104. Patented Feb. 12, 1867.

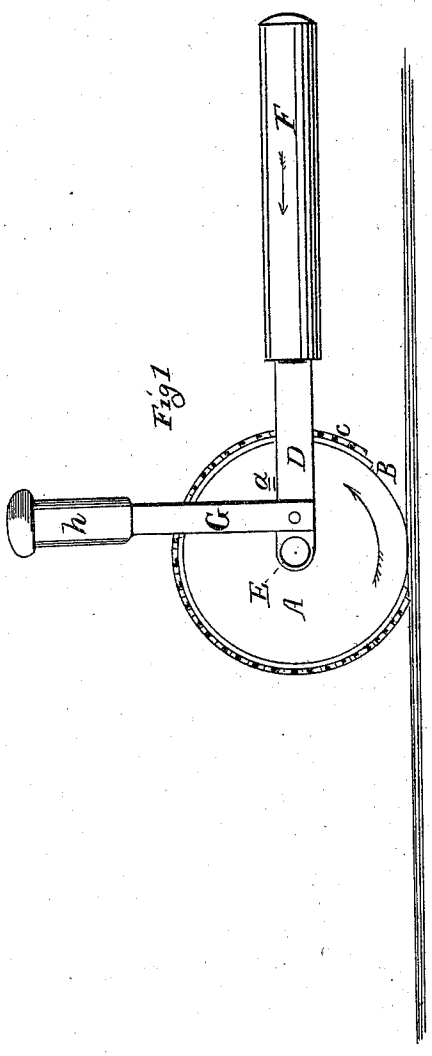


Fig 1

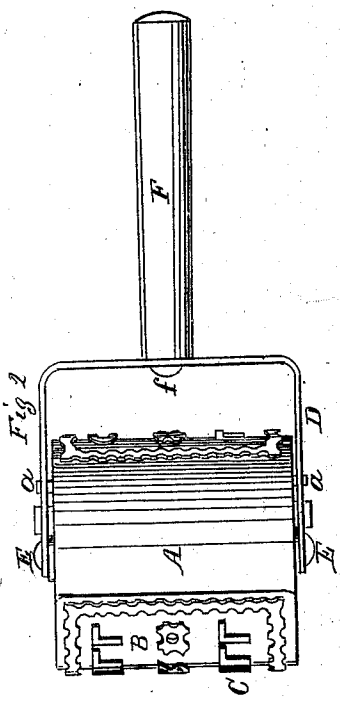


Fig 2

Witnesses
F. Aug. Jackson
Wm. Irwin

Inventor
L. R. Witherell
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United States Patent Office.

L. R. WITHERELL, OF GALESBURG, ILLINOIS.

Letters Patent No. 62,104, *dated February* 12, 1867.

IMPROVEMENT IN ELASTIC MARKING-ROLLERS.

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, L. R. WITHERELL, of Galesburg, in the county of Knox, and State of Illinois, have invented a new and improved Elastic Marking-Roller; and I do hereby declare that the following is a full, clear, and exact description thereof.

The object of this invention is to provide a simple and expeditious method by which the trade-brand of merchants, dealers, and manufacturers may be affixed to their goods and wares, and boxes, barrels, and packages be accurately and expeditiously marked, without the use of the marking-brush or stencil-plate now used. And the invention consists in attaching to a roller an elastic plate, which shall have upon its surface elastic letters, and attaching the roller to a frame by pivots in such a manner that it may be revolved by a handle, and when prepared and so revolved, it shall leave the desired impression on the surface of any article, box, or package to which it may be applied.

And to enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, reference being had to the accompanying drawings, forming a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 represents an end view; and

Figure 2 a top view of my marking-roller.

Similar letters of reference indicate like parts.

A represents the roller, which is made to revolve on pivots, E. B represents the elastic plate or covering of the roller. C the letters fastened to the covering B. D is the frame or bail, through which the pivots E pass. F is the handle by which the roller is revolved when in use. G is another handle, used for bearing the roller down on to the surface which is to receive the impression. The pivots E are made fast in the centre of each end of the roll passing through the ends of the frame D. The frame D, (where the pivot passes through its ends) forms bearings upon which the roller revolves. The frame is in a shape of a bail, the handle F being attached to the middle at *f*, as seen in the drawing. Another bail or frame G is attached to D, which stands vertical or at right angles to D when in use. It is rigidly attached to D near the pivot, and has a handle, *h*, or bearing knob at its middle. The elastic plate B, which is attached to the roller, may be of any suitable material, or it may even be dispensed with altogether, and the elastic letters placed directly on the roller. The roller itself may be made of India rubber or any suitable elastic material, and may be cast in a mould with the lettering complete on it, but I have found it the most convenient to make them, as I have described above, with the body of the roller of wood or some solid material, and the elastic letters (which may be formed of any suitable elastic substance) attached to an elastic plate or covering for the roller; the plate or covering to be attached to the roller by tacks or glue or in any proper manner. At each end of the roller there is a stop or guide-pin, *a*. These pins may lie upon the top of the frame when the revolution of the roller commences. As it proceeds and the impression is completed, the pin will strike against the under side of the frame and stop the revolution. The length of the impression is of course governed by the diameter of the rollar in the example here given, but temporary pins, or such as may be inserted and removed at pleasure, may be used if desirable. With this marking-roller it is found that the work can be performed much more accurately and expeditiously than with the common stencil-plate method. The elastic letters adjust themselves to all the inequalities of surface, leaving a neat and perfect impression.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The supplementary bail and handle G *h*, in combination with the bail and handle D F, of an elastic printing cylinder, substantially as and for the purpose set forth.

L. R. WITHERELL.

Witnesses:

W. L. FLEHARTY,

E. A. WITHERELL.