(No Model.)

G. J. B. RODWELL.

HAND STAMP.

No. 330,804. Patented Nov. 17, 1885.

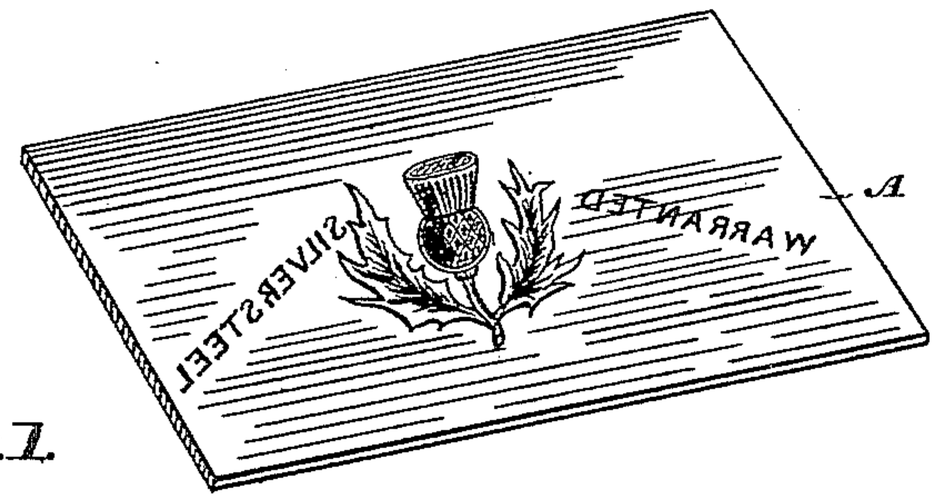

Fig. 1.

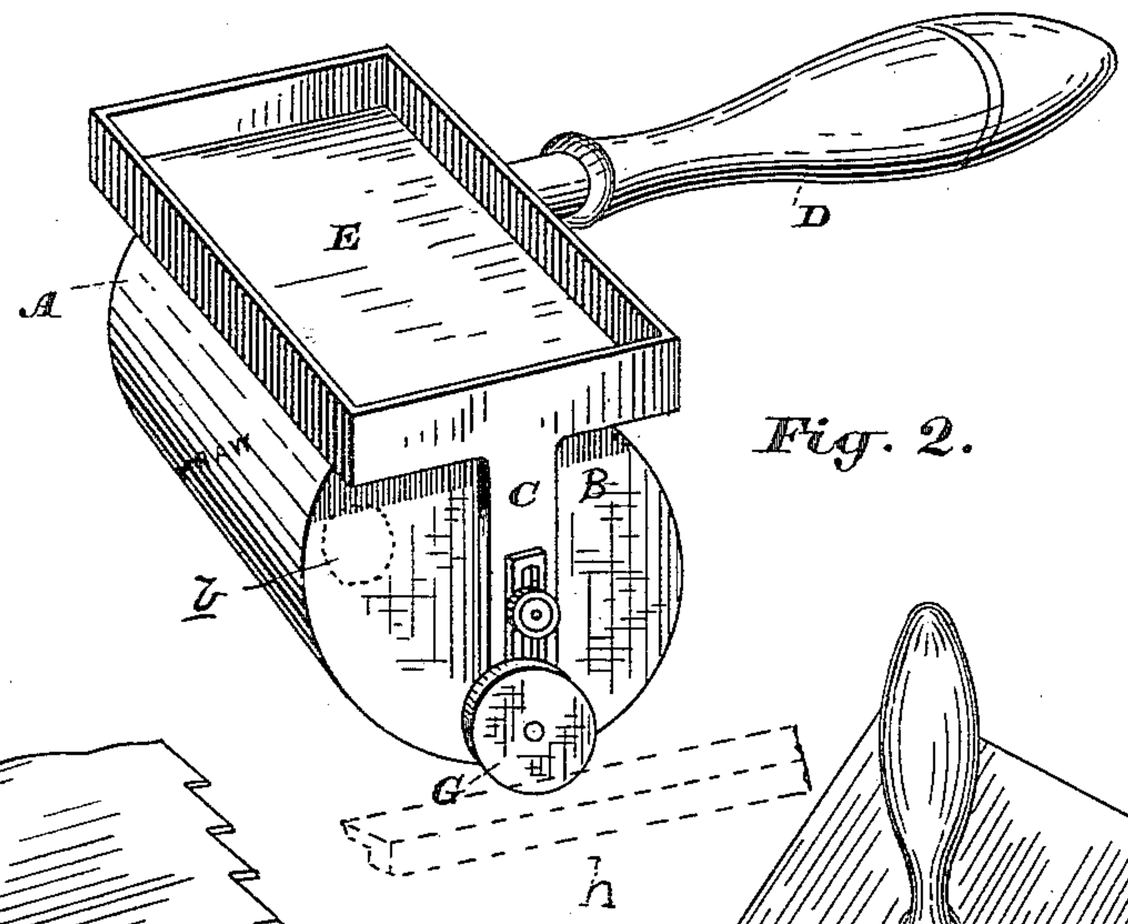

Fig. 2.

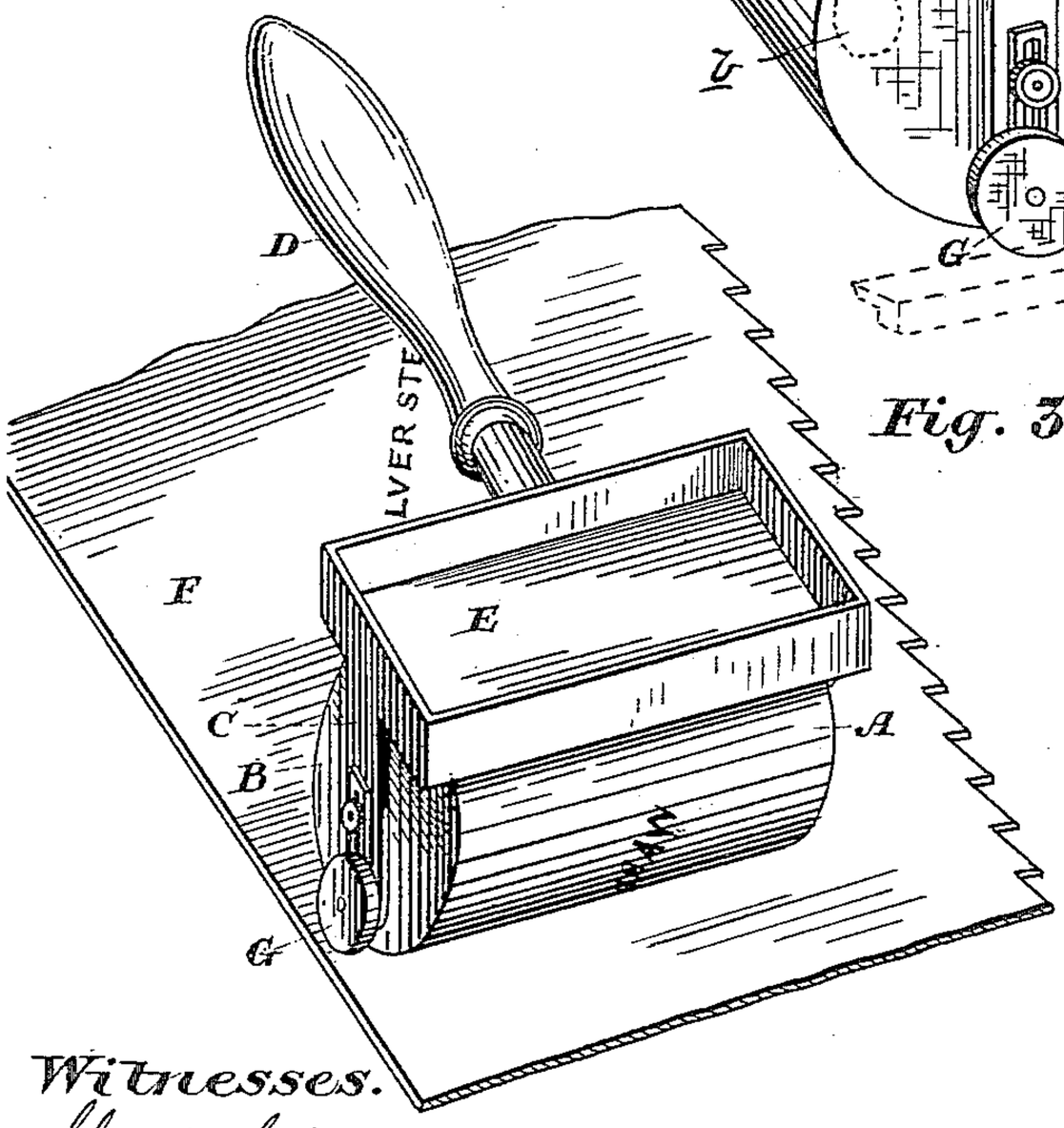

Fig. 3.

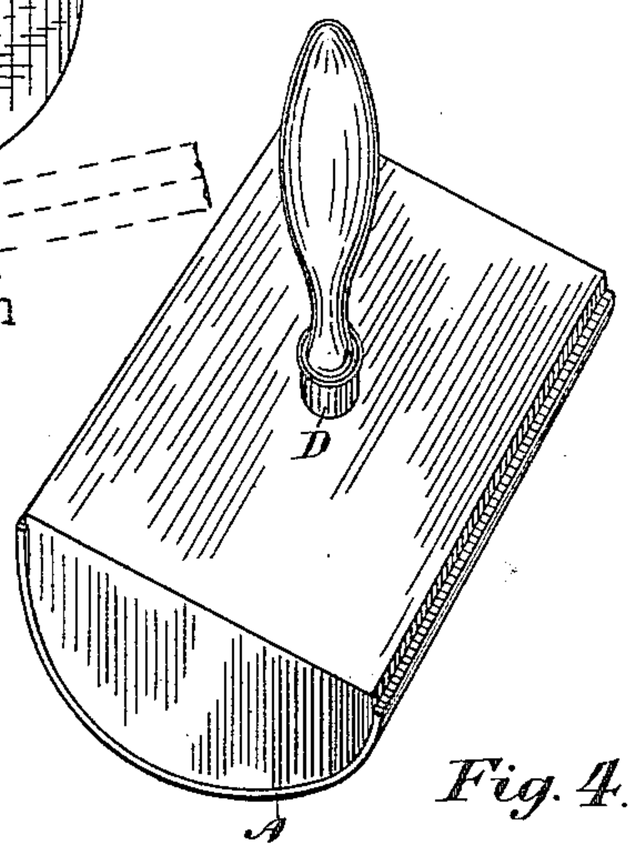

Fig. 4.

Witnesses.
Charles E. Baldwin
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Attys

UNITED STATES PATENT OFFICE.

GEORGE J. B. RODWELL, OF TORONTO, ONTARIO, CANADA, ASSIGNOR OF THREE-FOURTHS TO THEODORE SNELL, OF SAME PLACE, AND R. H. SMITH & CO., OF ST. CATHARINES, CANADA.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 330,804, dated November 17, 1885.

Application filed September 19, 1884. Serial No. 143,471. (No model.) Patented in Canada September 26, 1884, No. 20,271.

To all whom it may concern:

Be it known that I, GEORGE JAMES BELLAMY RODWELL, residing at the city of Toronto, in the county of York and Province of Ontario, Canada, have invented a Rotary Hand-Stamp; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of the invention is to devise means by which names, business devices, and ornamentations may be imprinted on the surface of glass or steel or other metal with rapidity and accuracy; and it consists in the peculiar combinations and the construction and arrangement of parts, as hereinafter more fully described, and then pointed out in the claims.

Figure 1 exhibits a sheet of vulcanized rubber having printed on its surface a device which is designed to be imprinted on a steel saw-blade. Fig. 2 is a perspective view of a cylinder or roller around which the prepared rubber sheet shown in Fig. 1 is fixed, the said roller being journaled in a suitable frame. Fig. 3 is a perspective view representing my imprinting device being operated over the surface of a saw-blade. Fig. 4 exhibits the device as applied to a semicircular roller.

In my improved process I vulcanize on the sheet A the letters or other devices to be imprinted. This sheet A is then fitted around and attached to the roller B, which is suitably journaled in the frame C. This frame has a handle, D, and a box-shaped top, E, designed to receive and carry a weight for the purpose hereinafter more fully explained. The sheet A thus fixed onto the roller B is then covered with prepared printer's ink. The roller B is then run over the saw-blade F or other surface on which the device is to be imprinted until the said surface is completely covered with the ink, the roller being carefully manipulated, so that in passing to and fro it will pass over the same portion of the surface at each revolution or portion thereof.

Although I think it preferable to place a sheet, A, onto a cylinder or, as I term it, a "roller," it would be possible to effect my purpose by fixing it to a semicircular or rounded block, as shown in Fig. 4.

The box-shaped top E, as before mentioned, is designed to receive and carry a weight, so that the roller B may be made to press evenly and regularly on the surface being prepared, instead of leaving the said pressure to be operated by the hands of the manipulator.

With the view of balancing the roller B, and also with the view of preventing the said roller from pressing too heavily on the surface being prepared, I place at each end of the roller B an adjustable roller, G, which may be set so as to come in contact with the surface over which the roller is being run, so that the said roller shall not press too heavily on the surface. It is also important to load or weight one side of the roller B, so that in commencing to use the roller the same point in the surface of the roller shall always be at the bottom. By thus loading one side of the roller the same point in the roller will always be first brought in contact with the surface to be covered. I show the roller thus weighted at *b*, and the weight arranged opposite one end of the lettering, so that the roller will gravitally seek a position which will place the letters in proper position to be printed successively.

To secure accuracy in rolling, I provide a track, as *h*, Fig. 2, which may be held or secured to the article being printed, and serve as a guide against which the wheel G or roller B may be pressed.

The process indicated in this application I design to make subject-matter for a separate application.

What I claim as my invention is—

1. A roller covered with rubber or other elastic material having letters, numerals, or fancy designs sunk below its surface, which surface is covered with printer's ink prepared substantially as described, the said roller being journaled in a frame provided with a handle and having a receptacle to receive a weight, substantially as and for the purpose specified.

2. A roller covered with rubber or other

elastic material having letters, numerals, or fancy designs sunk below its surface, which surface is covered with printer's ink prepared substantially as described, the said roller being journaled in a frame provided with a handle and having a receptacle to receive a weight, in combination with an adjustable friction roller, G, arranged substantially as and for the purpose specified.

Toronto, August 25, 1884.

G. J. B. RODWELL.

In presence of—

CHARLES C. BALDWIN,

JAS. E. MAYBEE.