

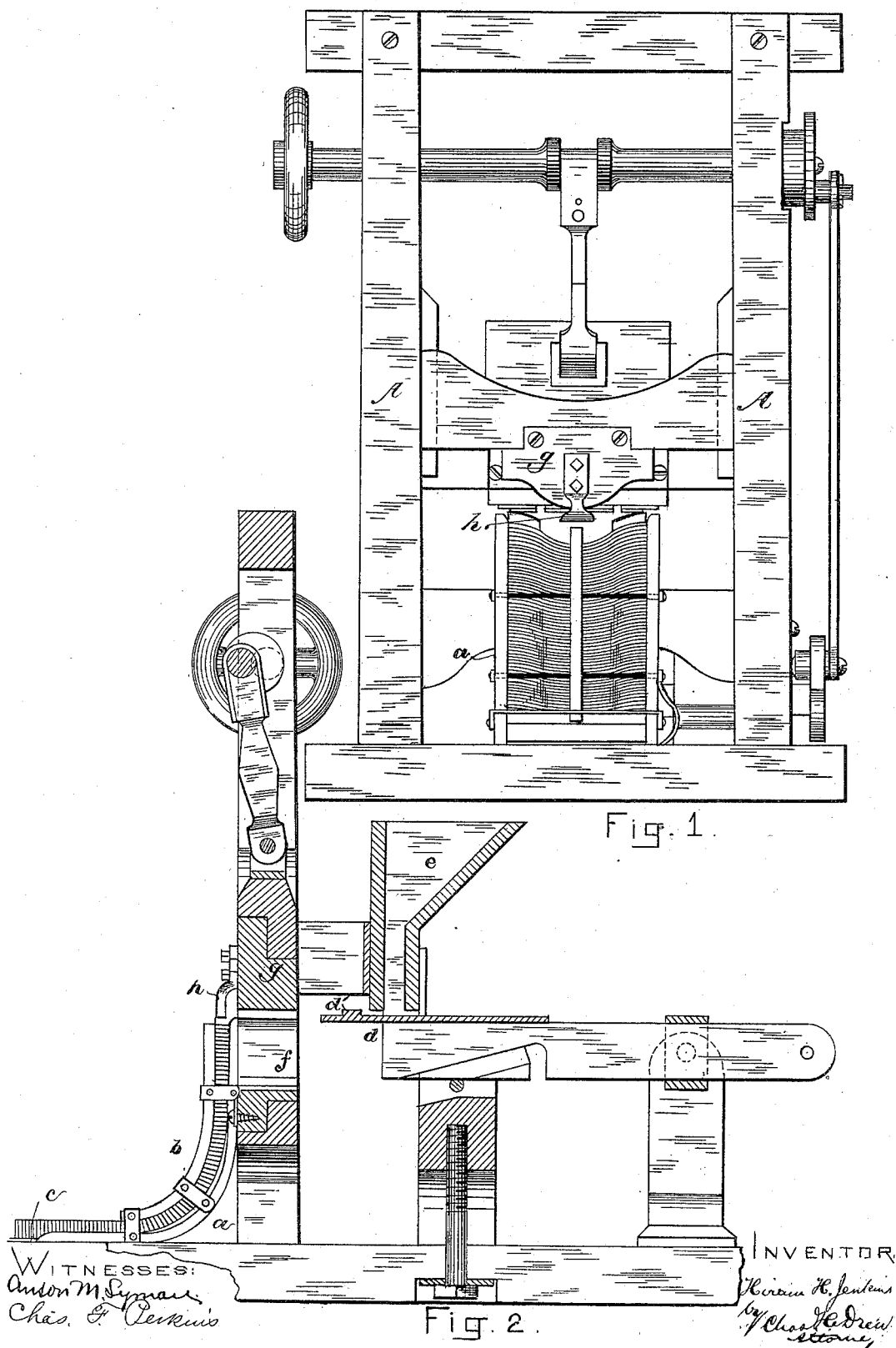
(No Model.)

H. H. JENKINS.

DEVICE FOR CONVEYING SHOE SHANKS FROM THE FORMING MACHINE.

No. 341,914.

Patented May 18, 1886.



UNITED STATES PATENT OFFICE.

HIRAM H. JENKINS, OF SOUTH ABINGTON, MASSACHUSETTS.

DEVICE FOR CONVEYING SHOE-SHANKS FROM THE FORMING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 341,914, dated May 18, 1886.

Application filed October 19, 1885. Serial No. 180,268. (No model.)

To all whom it may concern:

Be it known that I, HIRAM H. JENKINS, a citizen of the United States, residing at South Abington, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Machines for Conveying Shoe-Shanks from the Forming-Machine; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in an improved method of packing formed metallic shoe-shanks after they have left the forming-die, so that they may be readily taken away in lots of such number as may be desired, instead of falling from the dies in a promiscuous heap; and it is more especially intended as an improvement on, and an attachment to, the machine described in Letters Patent to me, numbered 216,329, dated June 10, 1879, although it is obvious that it may be readily applied to any form of machine for forming metallic shoe-shanks.

In the drawings, I have shown in Figure 1 a front elevation of a forming-machine embodying my invention, and in Fig. 2 a longitudinal section of the machine.

The particular construction and operation of the machine it will not be necessary to explain, as they are already fully described in said Letters Patent. Instead, however, of the inclined chute U shown in that patent I attach to the front of the machine, in such position that it may receive the shanks as they are pushed from the forming-dies, the chute *a*, having sides and provided with the cover *b*, forming a covered chute or spout of such capacity as readily to admit the shanks as they are pushed forward and fall into it. This chute terminates in the table *c*, which is continuous with the part *a*, and which may be provided with flanges or sides to keep the shanks upon the table.

The cover *b* of the chute may be omitted, and the chute be provided only with sides, although to insure the shanks remaining in the chute it would ordinarily be better to have the cover.

The operation of my invention is as follows: The blank is taken from the hopper *e* by the feed-plate *d*, having the lug *d'* thereon, and fed forward to the female die *f*, where it is

formed by the descent of the male die *g*. When the next succeeding blank is brought forward to be formed, it pushes the blank already formed into the chute *a*, down which it falls with the concave side up. As the shanks accumulate in the chute, the weight of those in the upright part of the chute presses forward those below them on the table *c*, where they are automatically arranged on their edges.

To insure the proper moving forward of the column of shanks when clogged or otherwise prevented from readily moving, I provide the piece *h*, attached to the male die *g* and moving up and down with it and extending a short distance below it when the male die *g* is in its lowest position into the upper part of the chute *a*, so as to touch the upper shank in the hopper and force the column of shanks downward.

Instead of the piece *h*, attached to the male die *g*, as above explained, a wheel, to be operated by means of an eccentric on the driving-shaft and a suitable connecting-rod, and having pins or arms thereon adapted to strike the uppermost shank of the column in the chute, may be provided; but such a device would be substantially equivalent to the means shown in the drawings to accomplish the object sought.

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

1. In combination with a shoe-shank-forming machine, the chute *a*, provided with side pieces, and with the cover *b*, and the table *c*, substantially as and for the purpose above described.

2. In combination with a shoe shank-forming machine, the chute *a*, provided with side pieces, and the table *c*, substantially as and for the purpose above described.

3. In combination with a shoe-shank-forming machine, the chute *a*, provided with side pieces, and with the cover *b*, the table *c*, and a pushing device for pushing the shanks down the chute, as and for the purpose above described.

4. In combination with a shoe-shank-forming machine, the chute *a*, provided with side pieces, the table *c*, and a pushing device for pushing the shanks down the chute, substantially as and for the purposes above described.

HIRAM H. JENKINS.

Witnesses:

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