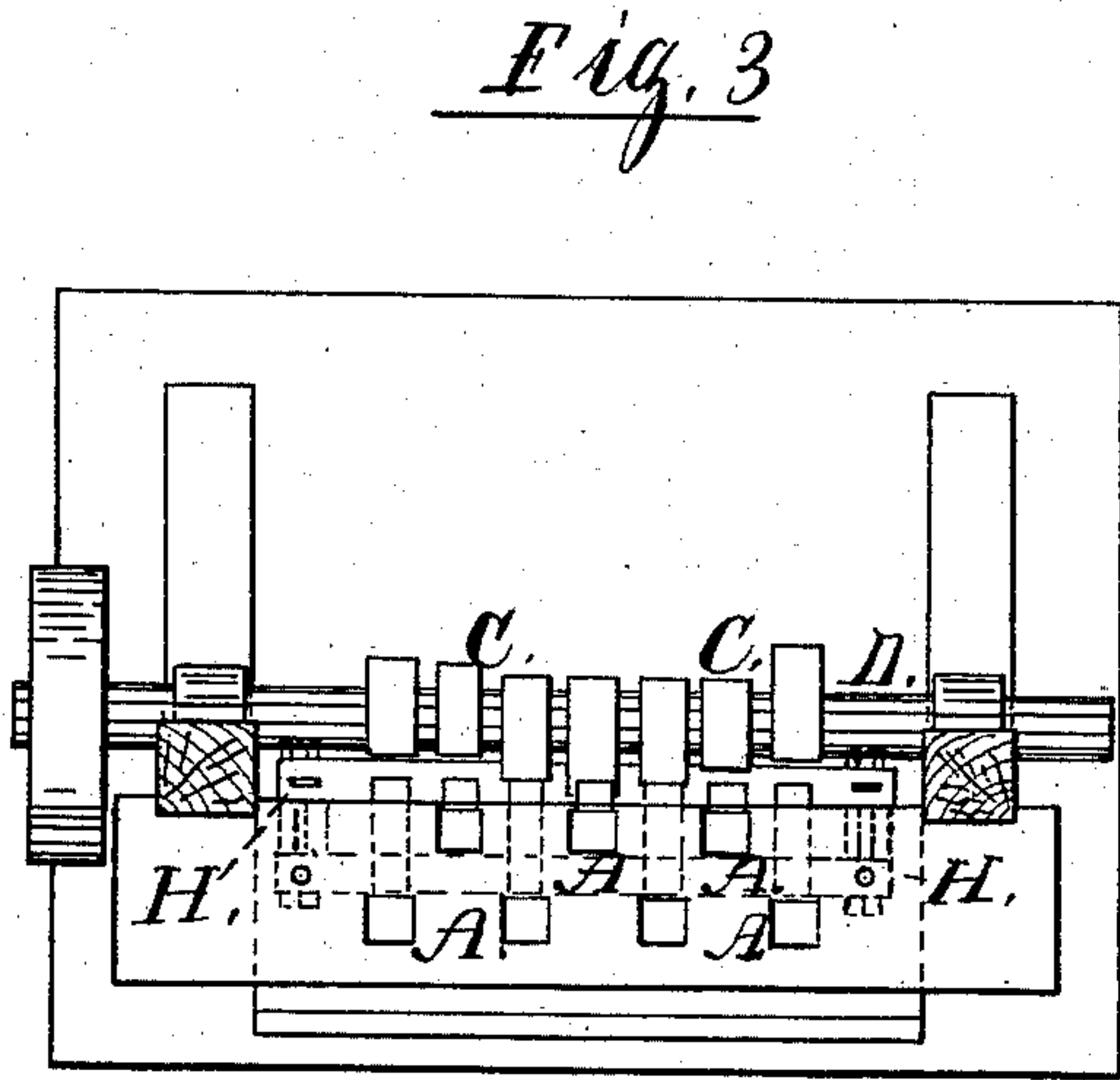
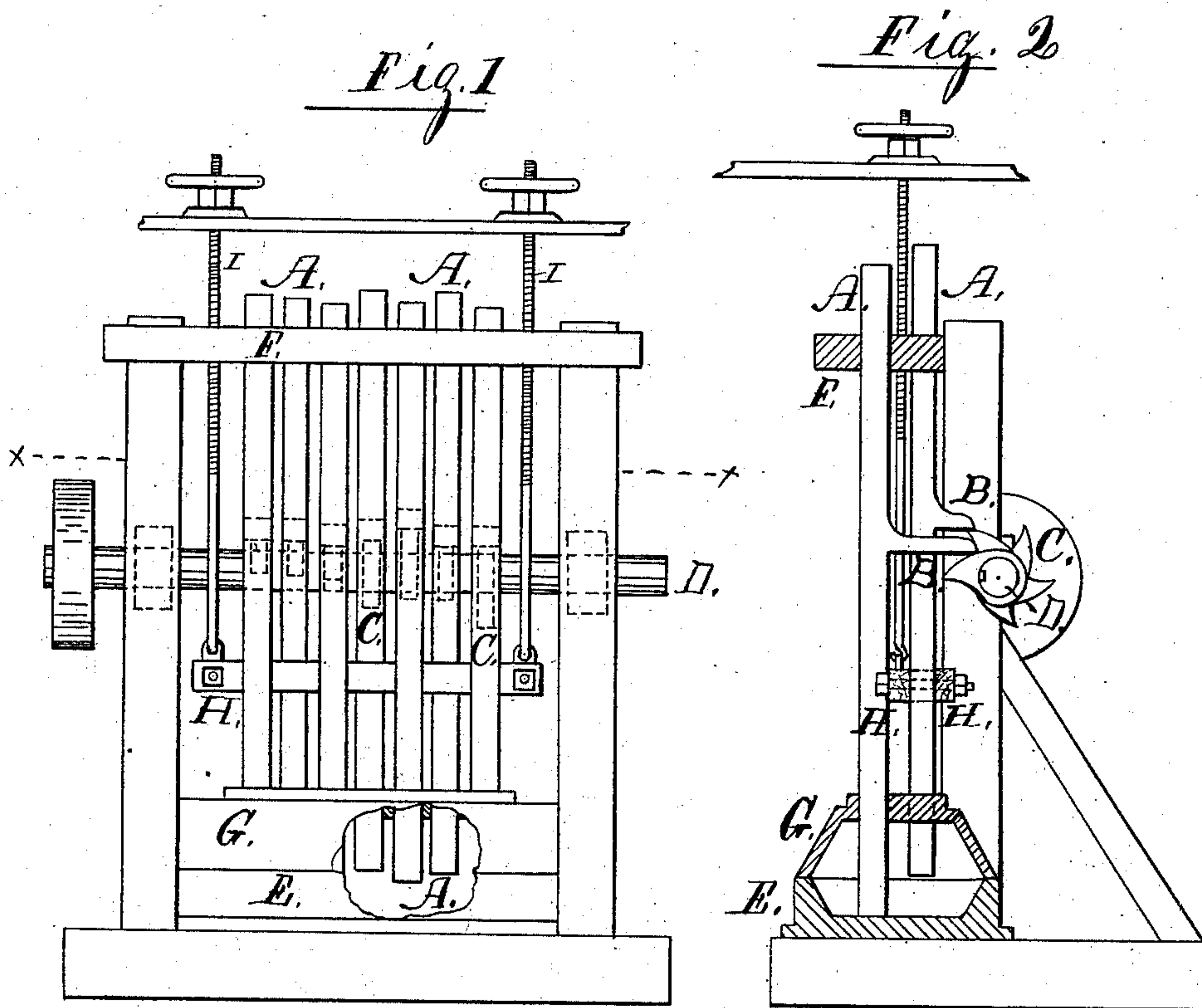


(No Model.)

J. J. THATCHER.
Stamping Machine.

No. 237,214.

Patented Feb. 1, 1881.



Attest:

Joseph W. Brown
James M. Patterson

Inventor.

John J. Thatcher
By Hovece Hovece
Atty

UNITED STATES PATENT OFFICE.

JOHN J. THATCHER, OF CEDAR GROVE, NEW JERSEY, ASSIGNOR TO HIMSELF AND AUGUST KOBIN, OF SAME PLACE.

STAMPING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 237,214, dated February 1, 1881.

Application filed April 3, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. THATCHER, of Cedar Grove, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Stamping-Machines, of which the following is a specification.

My invention relates to stamping-machines for stamping metal-leaf broken into bronze-powder; and it consists in employing one line of shafting carrying lifting-levers for two sets of stamps, and a lifting bar or bars for raising the stamps together out of use.

Figure 1 is a front elevation. Fig. 2 is a side elevation; and Fig. 3 is a plan or vertical view from a line of *xx* on Fig. 1.

The stamps A are placed in a suitable frame in two rows and alternate to each other, having the arms B for receiving the action of the lifting-levers C. The front row of stamps has the arms sufficiently long to extend through between the stamps in the rear row and reach the levers. The levers are all placed on one shaft, D, which is secured to the posts in the frame of the machine. In the place of the front stamps having the longer arms, as set forth, the levers may be alternately longer, to ex-

tend forward and reach the arms between the rear stamps.

By using but one shaft I do away with all gearing and extra shafts, and also remove the great obstruction caused by placing one shaft and its levers in front of the machine.

The stamps work in a steel box, E, and have the guides F for their upper ends, and guides made in the cover G for the lower ends.

H is a lifting-bar, or in some cases two bars may be used, to be raised by the screw-rods I, or otherwise, up under the arms B, for the purpose of raising all the stamps together up out of the box and out of the way while the box is being cleaned out and refilled.

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

In a stamping-machine for stamping bronze-powder, the combination of the stamps A, lifting-bar H, and screws I, substantially as and for the purpose specified.

JOHN J. THATCHER.

Witnesses:

HORACE HARRIS,
JOSEPH A. ENO.