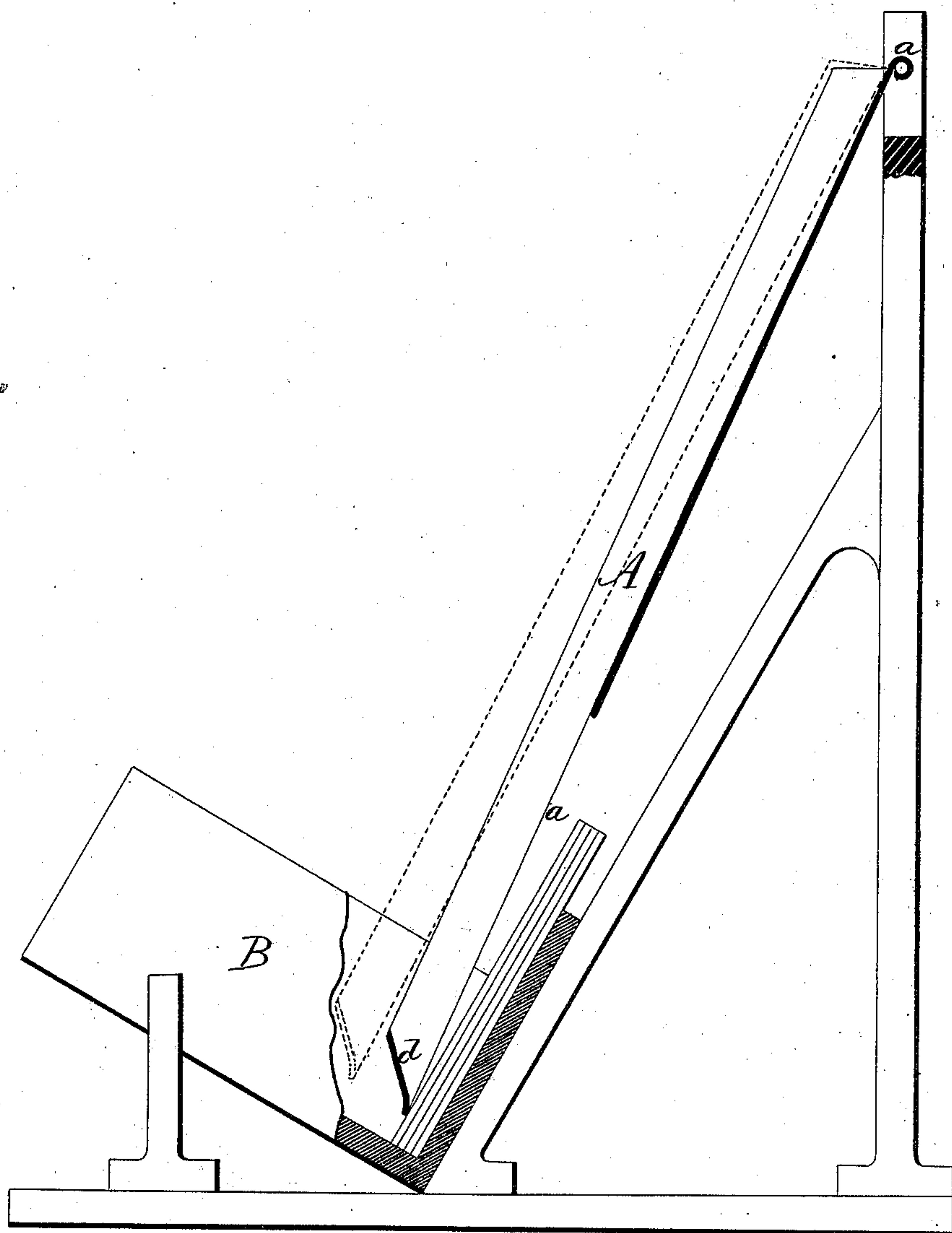


H. W. BASSETT.
Device for Receiving and Arranging Blanks.
No. 201,483. Patented March 19, 1878.



Witnesses.

J. A. Shumway
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UNITED STATES PATENT OFFICE.

HERMAN W. BASSETT, OF WALLINGFORD, CONNECTICUT.

IMPROVEMENT IN DEVICES FOR RECEIVING AND ARRANGING BLANKS.

Specification forming part of Letters Patent No. **201,483**, dated March 19, 1878; application filed November 30, 1877.

To all whom it may concern:

Be it known that I, HERMAN W. BASSETT, of Wallingford, in the county of New Haven and State of Connecticut, have invented a new Improvement in Apparatus for Collecting Metallic and other Blanks; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents a sectional side view.

This invention relates to a device for collecting blanks as they are cut by punching-presses or other machines, and is generally applicable to the collecting of pieces of work falling from machines.

In cutting blanks by power-presses and similar machines, the blanks are usually allowed to fall in a mass upon the floor or into a box, from whence they must be collected into proper relative position to be subsequently fed to other machines—as, for instance, spoon and fork blanks. This collecting and arranging, while employing the cheapest labor, is necessarily an additional expense in the manufacture of such articles.

The object of this invention is to automatically collect and arrange the blanks as they fall from the machine which cuts, shapes, or works them; and it consists in a conductor, into which the blank falls, the said conductor hung above, open upon the back, but with an end inclining downward toward the back, so that a blank running down said conductor will strike the said inclined end, throw up the conductor, and allow the blank to pass through the open back, and each succeeding blank, in like manner falling and passing through the opening, is laid upon the next preceding, as more fully hereinafter described.

A is the conductor, hinged or hung upon any suitable support, as at *a*, below the point of delivery of the blanks from the machine, and is inclined sufficiently to retain the blank in the conductor during its fall. The lower end of the conductor has an opening, *b*, at its back, and a bar, *d*, across its lower end, which is inclined downward and toward the back.

The opening *b* through the back should be at least as long as the blank, and the width of the conductor sufficient to allow free passage of the blank.

B is a receptacle for blanks, into which the lower end of the conductor extends, and should be inclined, so that as the blanks are successively laid against its end they will retain a position vertical to the box.

The operation of the collector is as follows: The blanks, as they come from the machine, successively fall into the conductor A, and, running downward, the lower end of the blank will strike the inclined bar *d*, and, by its force, cause the conductor to be thrown up, as indicated in broken lines, the blank passing through the back of the conductor into the receptacle B, the conductor then returning onto that blank, as shown, each successive blank throwing up the conductor and falling upon the next preceding blank, until the receptacle is full or the blanks are removed. This may be done by removing the blanks from the receptacle, or by taking both blanks and receptacle and arranging a new receptacle.

By this device the blanks are all collected and arranged in their proper relative position to each other for subsequent use or work.

This collecting device is applicable to various classes of manufacture, and to other articles than metal. It is not essential that the whole conductor should be hinged, as, if the lower part of it only be thrown up, the upper part may remain stationary.

It will be understood that any suitable receptacle or support which will hold the blanks will serve the purpose of this invention.

I claim—

The hinged conductor having an open back at its lower end, and terminating in a downward incline toward the back, combined with a receptacle or support for the blanks passing through the conductor, substantially as described.

HERMAN W. BASSETT.

Witnesses:

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