

A. DEWES.

Hollow Hand-Cutters for Leather, &c.

No. 147,047.

Patented Feb. 3, 1874.

Fig. 1

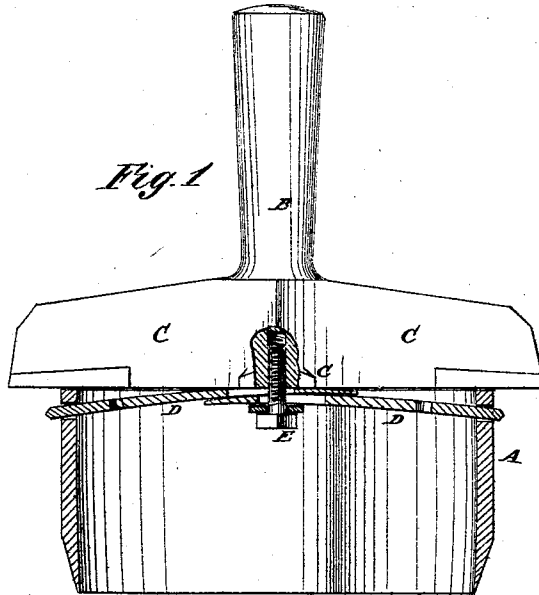


Fig. 2

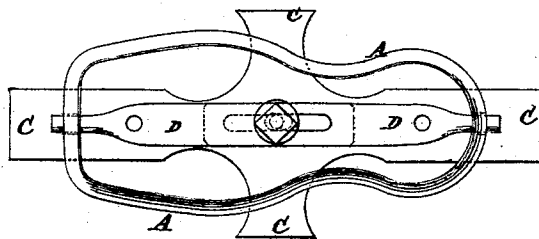
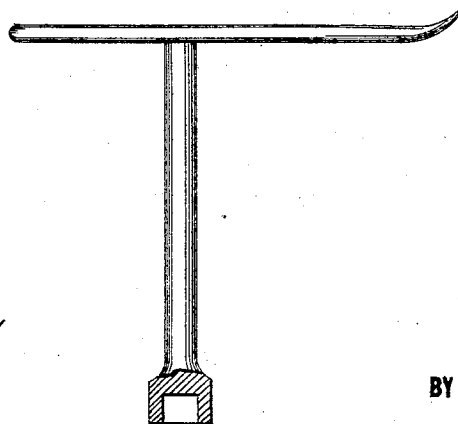


Fig. 3



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UNITED STATES PATENT OFFICE.

ABEDNEGO DEWES, OF HUDSON CITY, NEW JERSEY, ASSIGNOR TO HIMSELF
AND MARCUS HANAN, OF NEW YORK CITY.

IMPROVEMENT IN HOLLOW HAND-CUTTERS FOR LEATHER, &c.

Specification forming part of Letters Patent No. **147,047**, dated February 3, 1874; application filed
December 13, 1873.

To all whom it may concern:

Be it known that I, ABEDNEGO DEWES, of Hudson City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Hollow Hand-Cutters for Leather, Cloth, Paper, &c., of which the following is a specification:

My improvement in hollow cutters, for cutting out shapes from leather, cloth, paper, &c., by hand, consists of detachable handles for said cutters, said handles being adapted for several different sizes, the object of which is to save the cost of so many handles. Instead of a handle for each cutter, I propose to have only one handle to three or four sizes of cutters, and shift it from one to the other as I wish to use them.

The fastening device will be simple, so as to make but little labor and loss of time in making the changes; but the changes have not to be made frequently, for large quantities of shapes may be cut by each cutter without changing.

The handles usually cost nearly as much as the cutter itself, so that, as my detachable handle only costs a trifle more than the ordinary handle, a considerable saving will be effected to every set of cutters by my plan.

I also propose to construct my handle so that the force of the mallet will be delivered on the ends of the cutters as well as on the middle—where it is only delivered in the ordinary hand-cutters—so that I avoid the springing of the cutters at the middle, common to the cutters now in use, by which I can do the work better and more rapidly.

Figure 1 is a sectional elevation of a hand-cutter with a handle detachably connected to it. Fig. 2 is a plan of the bottom of Fig. 1; and Fig. 3 is a side elevation of a wrench to be used in fastening and unfastening the devices which I have represented in this example for securing the handle to the cutter.

Similar letters of reference indicate corresponding parts.

A represents the cutter, which is in the ordinary form, and, without the handle, is like those used for cutting in a press by power. B is the handle, which, in this example, has four strong arms, C, branching horizontally from the lower end, to extend over and project beyond the top of the cutter in its long and short axes. D represents a couple of strong spring bars or bolts for fastening the handle to the cutter. They are slotted at one end, and meet together at the clamping-bolt E, which passes through the slots, and screws into the center of the bottom of the handle, while the other ends slide out through the ends of the cutter, which have a hole therefor, as clearly shown in the drawing.

To detach the handle, the screw-bolt is loosened a little by the wrench, and the fastening-bolts are withdrawn from the holes in the cutter. The mode of fastening the handle on is obvious.

It will be seen that the strong arms C, which projects over the ends of the cutter, will prevent it from springing down at the middle under the influence of the blow of the mallet, as the common hand-cutters do, in which the handle is attached to the middle of the cutter.

The arms C will extend as far beyond the cutter as is necessary to make them long enough for the largest cutter for which the handle is intended.

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

In combination with a cutter, A, the detachable handle B, provided with arms C, secured by means of a screw-bolt, E, to the movable slotted springs D D, substantially as herein shown and described.

A. DEWES.

Witnesses:

A. P. THAYER,
T. B. MOSHER.