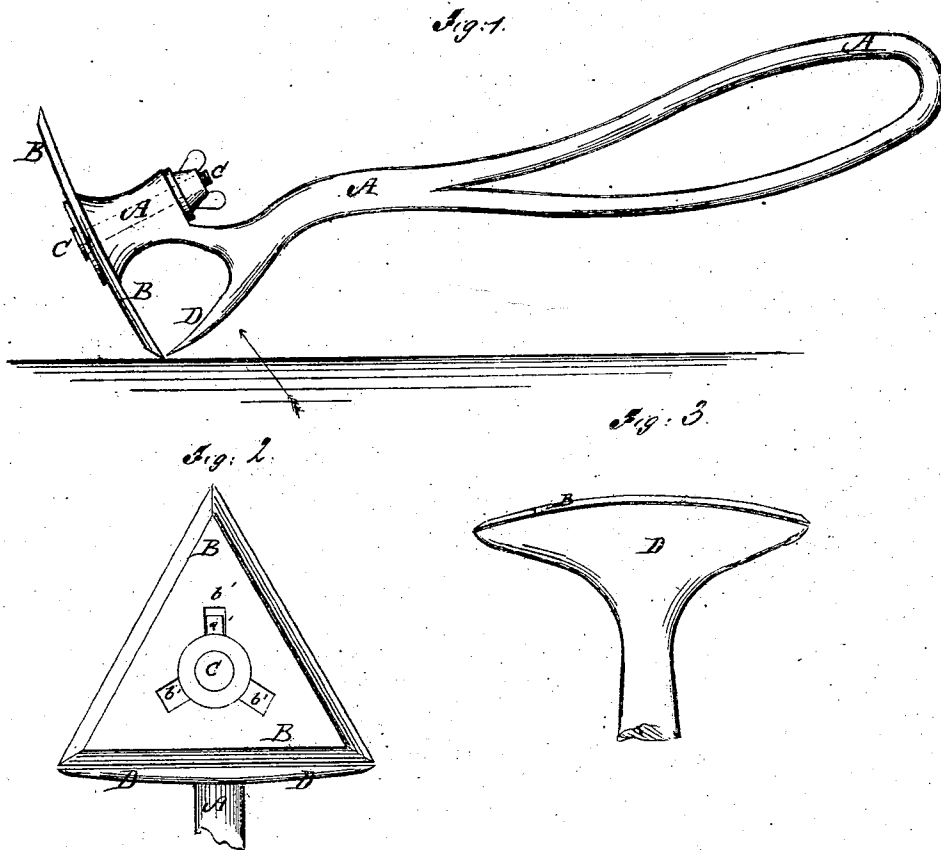


F. B. HILL.
BOX SCRAPER.

No. 109,008.

Patented Nov. 8, 1870.



Witnesses:

Chas. Nida.
L. S. Mabee

Inventor:

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FREDERICK B. HILL OF EAST NEW YORK, N. Y.

Letters Patent No. 109,008, dated November 8, 1870

IMPROVEMENT IN BOX-SCRAPERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, FREDERICK B. HILL, of East New York, in the county of Kings and State of New York, have invented a new and useful Improvement in Box or Barrel-Scraper; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a side view of my improved scraper.

Figure 2 is a front end view of the same.

Figure 3 is a detail view of the guard, looking in the direction of the arrow in fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved tool for scraping the ends of barrels and the sides of boxes, to remove an old direction or mark, and prepare them to receive a new one; and

It consists in the construction of various parts of the tool, as hereinafter more fully described.

A is the handle, which is made in about the shape shown in fig. 1.

B is the cutter-plate, which is made triangular in form, and is secured in its seat upon the forward end of the handle A by a bolt and hand-nut, C, said nut being made with a broad head, or being provided with a washer to give it a firm seat upon the said cutter-plate.

In the cutter-plate B is formed a three-armed slot, *b*, each arm or branch of the said slot leading from the center of the plate toward an angle of said plate,

so that each edge of the plate may be moved forward as it becomes worn.

The cutting-edge of the plate is held squarely in place by a projection, *a'*, formed upon the face of the cutter-plate seat, and entering the arm or branch of the slot *b'*, leading back from said cutting-edge, as shown in fig. 2.

D is the guard, which is formed solid upon the handle A, as shown in fig. 1, and in the shape shown in fig. 3, so that its edge may be parallel with the cutting-edge of the cutter B, and thus serve as a guard to regulate the thickness of the shavings.

The edge of the guard D is made of the same length, or a little shorter than the edge of the cutter-plate B, so that the cutter may work close to the chimes of the barrel, or into any other angle.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The rectangular slots *b' b' b'* in the blade B, and opposite the vertex of each angle, combined with a rectangular rib-guide, *a'*, on the front face of the handle-socket, as and for the purpose described.

2. An improved scraper formed by the combination of the handle A, triangular cutter-plate B, bolt and hand-nut C, and guard D, said parts being constructed substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 26th day of August, 1870.

Witnesses:

GEO. W. MABEE,
JAMES T. GRAHAM.

FREDK. B. HILL