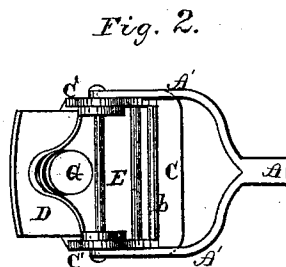
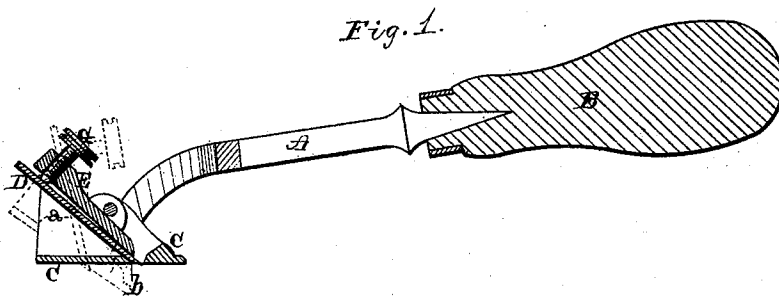


H. RICHARDS & J. A. TRAUT.

BOX-SCRAPER.

No. 175,758.

Patented April 4, 1876.



WITNESSES.

Wm. Garner.
F. M. Burnham.

INVENTORS.

Henry Richards
J. A. Traut
per
F. A. Lehmann, Atty.

UNITED STATES PATENT OFFICE.

HENRY RICHARDS AND JUSTUS A. TRAUT, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN BOX-SCRAPERS.

Specification forming part of Letters Patent No. **175,758**, dated April 4, 1876; application filed March 13, 1876.

To all whom it may concern:

Be it known that we, HENRY RICHARDS and JUSTUS A. TRAUT, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Box-Scrapers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of our invention consists in the construction and arrangement of a box-scraper, which is fully illustrated in the accompanying drawing.

A represents the shank of the tool-scraper fastened in the handle B at one end, and at the other end the shank forms two prongs, A' A', between which the head C is pivoted. The head is perfectly smooth and flat, with two side flanges, C' C', on its upper side, to which the prongs A' of the shank are pivoted. On the upper side of the head C at the front are formed two parallel inclined ribs or flanges, a a, upon which the knife D rests, the edge of the knife projecting through a slot, b, in the head somewhat in the same manner as the blade of a carpenter's plane. Between the upper ends of the side flanges C' of the head is pivoted a jaw, E, having a set-screw, G, passed through its upper end. This screw bears against the upper portion of the knife

or blade D, forcing the lower portion of the jaw also against the same, and holding the blade firmly and securely against the ribs or flanges a. The blade can easily and quickly be adjusted as required, and also be taken out for sharpening.

It will be noticed that the head rocks or oscillates between the prongs A', and thus the scraper adapts itself to any position of the box and operator.

We are aware that a pivoted handle has been applied to planes for the purpose of pushing them along, and this we disclaim. We pivot our handle to the head for the purpose of drawing the scraper along, and allowing the head to accommodate itself to different surfaces.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a box-scraper, the combination of the handle B, pivoted to the head C, jaw E, blade D, set-screw G, and suitable rests for the blade, substantially as shown and described.

In testimony that we claim the foregoing we have hereunto set our hands this 3d day of March, 1876.

HENRY RICHARDS.
JUSTUS A. TRAUT.

Witnesses:

JACOB RETZ,
E. L. GOODWIN.