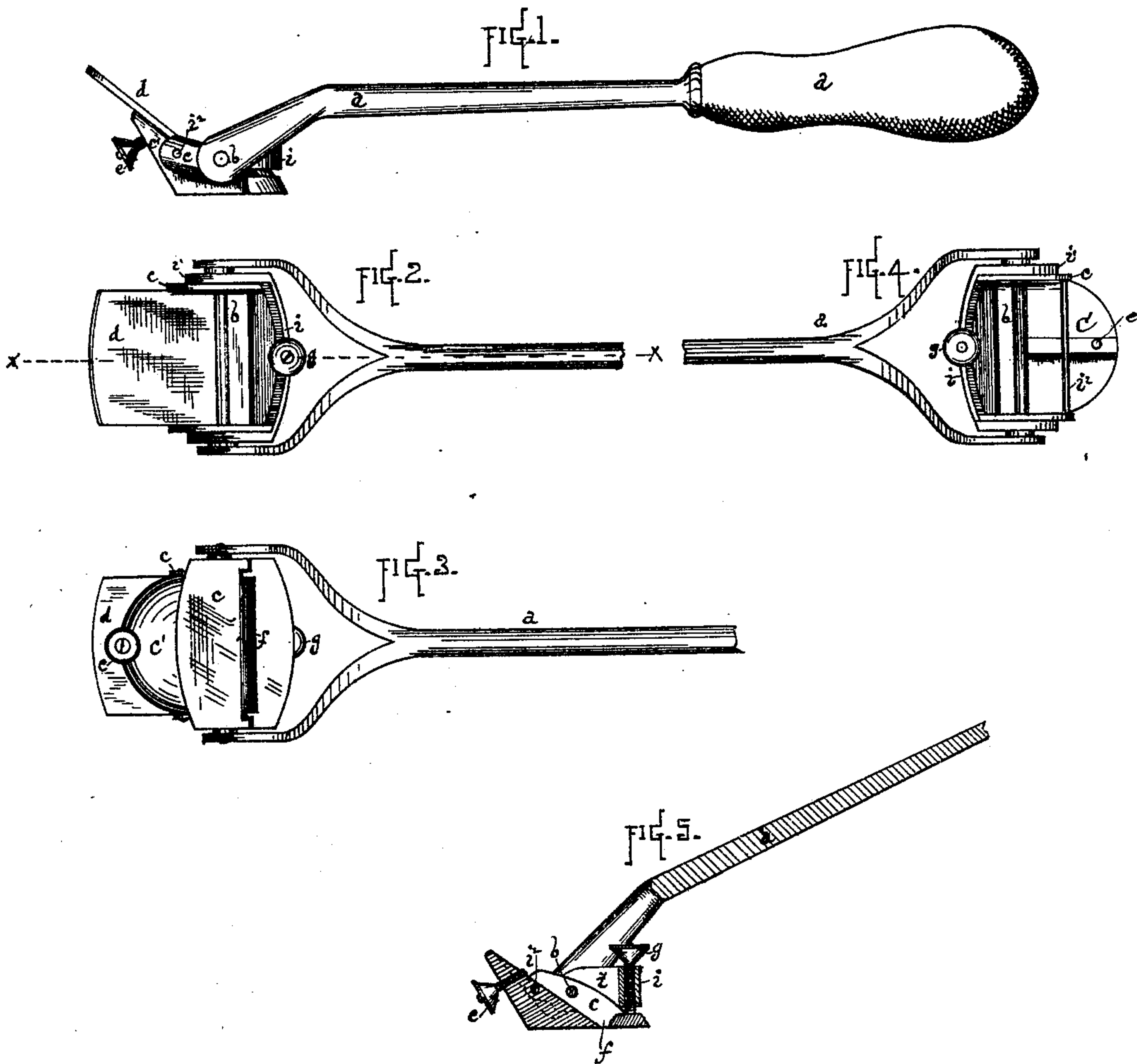


L. BAILEY.
BOX-SCRAPER.

No. 182,881.

Patented Oct. 3, 1876.



WITNESSES:

Robt T Gaylord
Chas. Buckland

INVENTOR:

Leonard Bailey
By W. E. Simonds
Att'y.

UNITED STATES PATENT OFFICE

LEONARD BAILEY, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN BOX-SCRAPERS.

Specification forming part of Letters Patent No. **182,881**, dated October 3, 1876; application filed September 13, 1876.

To all whom it may concern:

Be it known that I, LEONARD BAILEY, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements pertaining to a Box-Scraper, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a side view. Fig. 2 is a top view. Fig. 3 is a bottom view. Fig. 4 is a top view, chisel removed. Fig. 5 is a central section on plane *x x*, Fig. 2, chisel removed.

The letter *a* denotes a forked handle, whereby to move the scraper back and forth. *b* denotes a rod, which is at once a pivot-bar for head *c* and a front rest for chisel *d*. The back side of the pivoted head *c* is obliqued, to form a bed for the chisel, which chisel is held in place by thumb-screw *e* running up through the bed elongation *c'* from the back side, and bearing against the back side of the chisel.

The throat *f* may be made larger or smaller, and the cut of the chisel correspondingly increased or decreased by manipulation of the guard or gage *i*, pivoted by its side arms *i'* on the rod *b*, given a closing tendency by the

spring-bar *i''*, and opened against this tendency by the thumb-screw *g*.

The features of invention, specified in the first two clauses of the following claim, are applicable as well to spokeshaves as to box-scrapers.

I claim as my invention—

1. In combination, head *c*, having bed elongation *c'*, chisel *d*, front rest *b*, and thumb-screw *e* passing through the bed elongation and pressing on the back side of the chisel, all substantially as shown and described.

2. In combination, bar *b*, head *c*, chisel *d*, guard or gage *i* pivoted on bar *b*, spring-bar *i''*, and screw *g*, all substantially as shown and described.

3. In combination, forked handle *a*, bar *b*, serving as pivot for head *c* and front rest for chisel *d*, pivoted head *c* having elongation *c'*, and screw *e*, all substantially as shown and described.

LEONARD BAILEY.

Witnesses:

ROBT. F. GAYLORD,
CHAS. BUCKLAND.