

W. M. GRAY.  
COMPOUND IMPLEMENTS.

No. 184,775.

Patented Nov. 28, 1876.

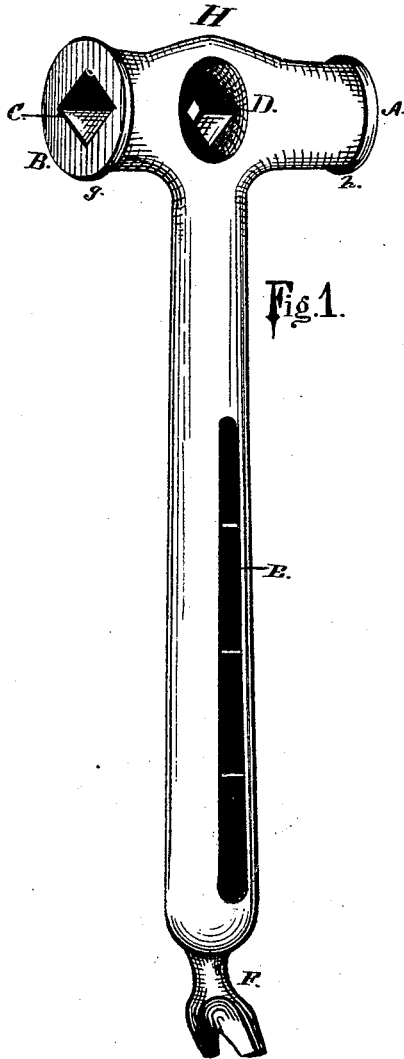


Fig. 1.

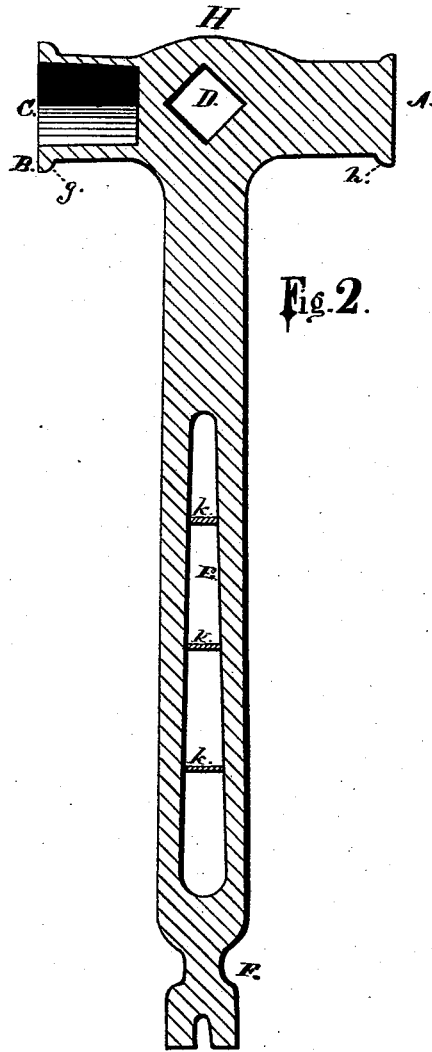


Fig. 2.

WITNESSES:

Wm. Davenport

R. S. Hallock

INVENTOR:

William M. Gray

# UNITED STATES PATENT OFFICE.

WILLIAM M. GRAY, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN COMPOUND IMPLEMENTS.

Specification forming part of Letters Patent No. **154,775**, dated November 28, 1876; application filed May 12, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM M. GRAY, of the city of Brooklyn, county of Kings and State of New York, have invented a new and useful Improvement in Bed-Key Hammers, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to combine in one instrument a hammer-head provided on one end with a hammer-face, on the other with a bed-key socket, and in the center a wrench perforation placed transversely, a hammer-handle perforated transversely by a series of graduated wrench slits, and a tack or nail claw, the instrument being cast solid in one piece, as shown in Figs. 1 and 2 of the drawing.

The instrument is illustrated in detail in perspective, Fig. 1, and in sectional view, Fig. 2.

The head H is furnished with the usual hammer-face A at one end, and at the other end, B, which is slightly the larger of the two, it is provided with the bed-key socket C, and in the center, in line with the handle E, with another key or wrench socket, D. The slots *k k k*, which are graduated in size, lighten the handle E, permit its being made of a size

suitable for the hand, and may be used as wrenches.

The usual tack-hammers are deficient in driving-power on account of lightness, and both the head and the claw of such hammers are easily displaced by moderate use. The hammer-head constructed as herein described has driving-power sufficient for most household purposes, owing to its weight and its permanent connection with the handle, and also great strength and durability. The handle E also gives the lever-power to the wrench or bed-key devices. The claw F is cast solid, of a piece with the handle E, and must be broken off in order to become displaced.

I am aware of the invention shown and claimed in Letters Patent No. 165,671, granted to Thomas Hagerty, July 20, 1875, and I hereby disclaim the same.

I claim as my invention—

The within-described tool, consisting of the handle E, with graduated notches forming wrenches *k k*, and claw F, and of the head H, with bed-wrench C, wrench D, and hammer A, as shown and described.

WILLIAM M. GRAY.

Witnesses:

A. M. DAVENPORT,  
E. HALLOCH.