

G. W. Martin,

Wrench.

N^o 32,106.

Patented Apr. 16, 1861.

Fig 1.

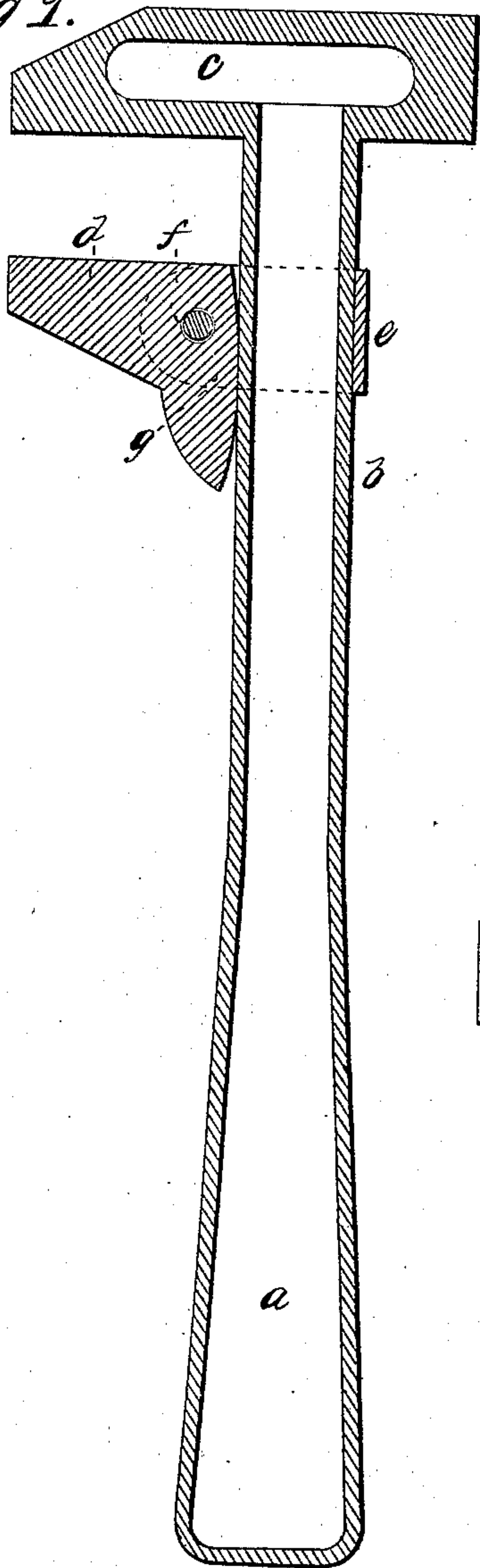


Fig 2.

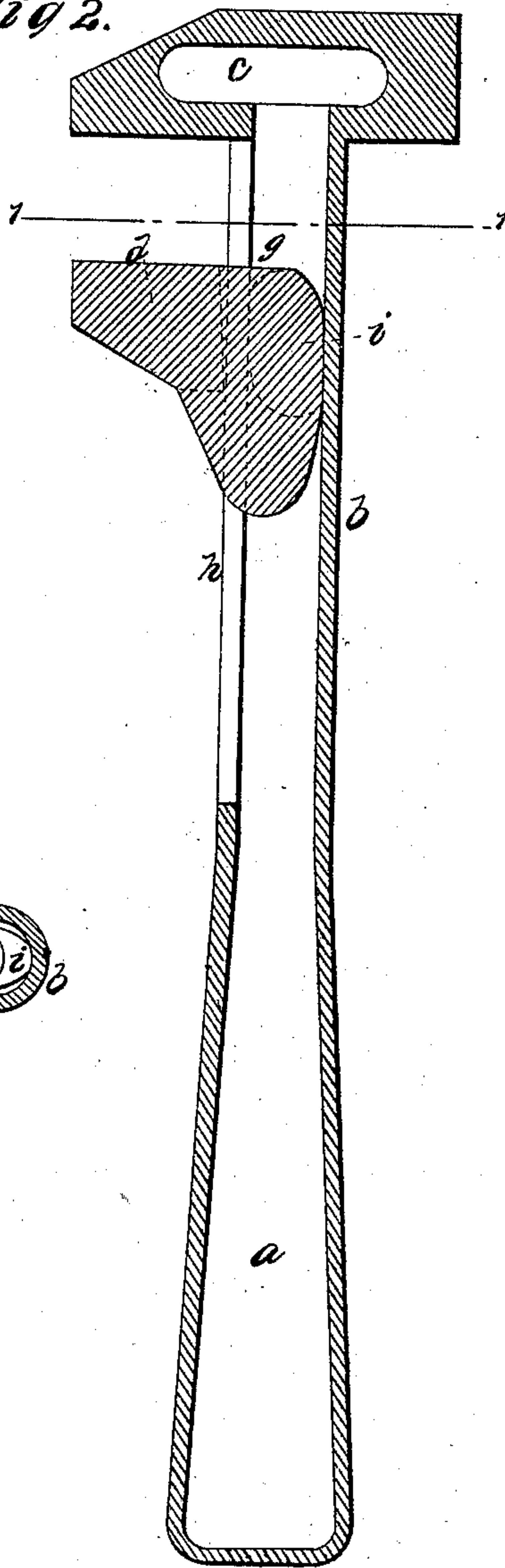


Fig 3.



Witnesses.

Thos. Geo. Harold

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GEORGE W. MARTIN, OF MORRISANIA, NEW YORK, ASSIGNOR TO HIMSELF AND WM. SHEPPARD, OF TREMONT, NEW YORK.

WRENCH.

Specification of Letters Patent No. 32,106, dated April 16, 1861.

To all whom it may concern:

Be it known that I, GEORGE W. MARTIN, of Morrisania, in the county of Westchester and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Wrenches; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1, is a vertical section of my said wrench, Fig. 2, is a vertical section of a slight modification of the same, and Fig. 3, is a sectional plan at the line 1, 1, of Fig. 2.

Similar marks of reference denote the same parts.

The nature of my said invention consists in a rocking cam jaw that moves freely upon the stock of the wrench when not in use, but so soon as strain is applied to the same by the act of seizing or turning any article, the said rocking cam clamps the stock firmly and prevents the jaw moving on the stock; I make the stock of my said wrench hollow, so as to be as light and strong as possible.

In the drawing *a*, is the handle and *b*, the stock formed hollow as represented, and *c*, is the wrench head or stationary jaw.

d is the moving rocking cam jaw.

e, is a strap in Fig. 1, surrounding the stock *b*, and *f* is a bolt or rivet connecting this jaw *d*, and strap *e*.

The surface of the jaw *d*, next and in contact with the stock *b*, is formed as a cam *g*, so that when the end of the jaw *d*, is brought in contact with any screw head or nut, this

cam *g* by the rocking motion of the jaw upon the pin *f* clamps the stock *b*, so firmly as to prevent the jaw *d*, from moving: however when strain at the outer end of the jaw is relieved the cam ceases to act and the jaw can be easily slidden along upon the stock *b*.

The moving rocking cam jaw *d*, in Figs. 2 and 3, has the cam part *g* within the hollow stock *b*, and for this purpose a slot *h*, is left for a feather or plate connecting the jaw *d* and cam *g*. It will be seen that in this instance the action of strain upon the end of the jaw *d*, is to block the cam piece across, within the stock, between the points *g* and *i*, Fig. 2, while at other times the jaw can be slidden by the hand applied to the base of the jaw near the stock *b*.

It will be seen that my wrench is very cheap, light, durable, easily applied, convenient and adapted to general use as a cheap article particularly under circumstances where the wrench is liable to be lost or stolen as upon locomotives, steamboats, &c.

What I claim and desire to secure by Letters Patent is—

The rocking cam jaw *d*, applied to the stock *b*, in the manner and for the purposes specified.

In witness whereof I have hereunto set my signature this fourteenth day of February, 1861.

GEORGE W. MARTIN.

Witnesses:

THOS. GEO. HAROLD,
LEMUEL W. SERRELL.