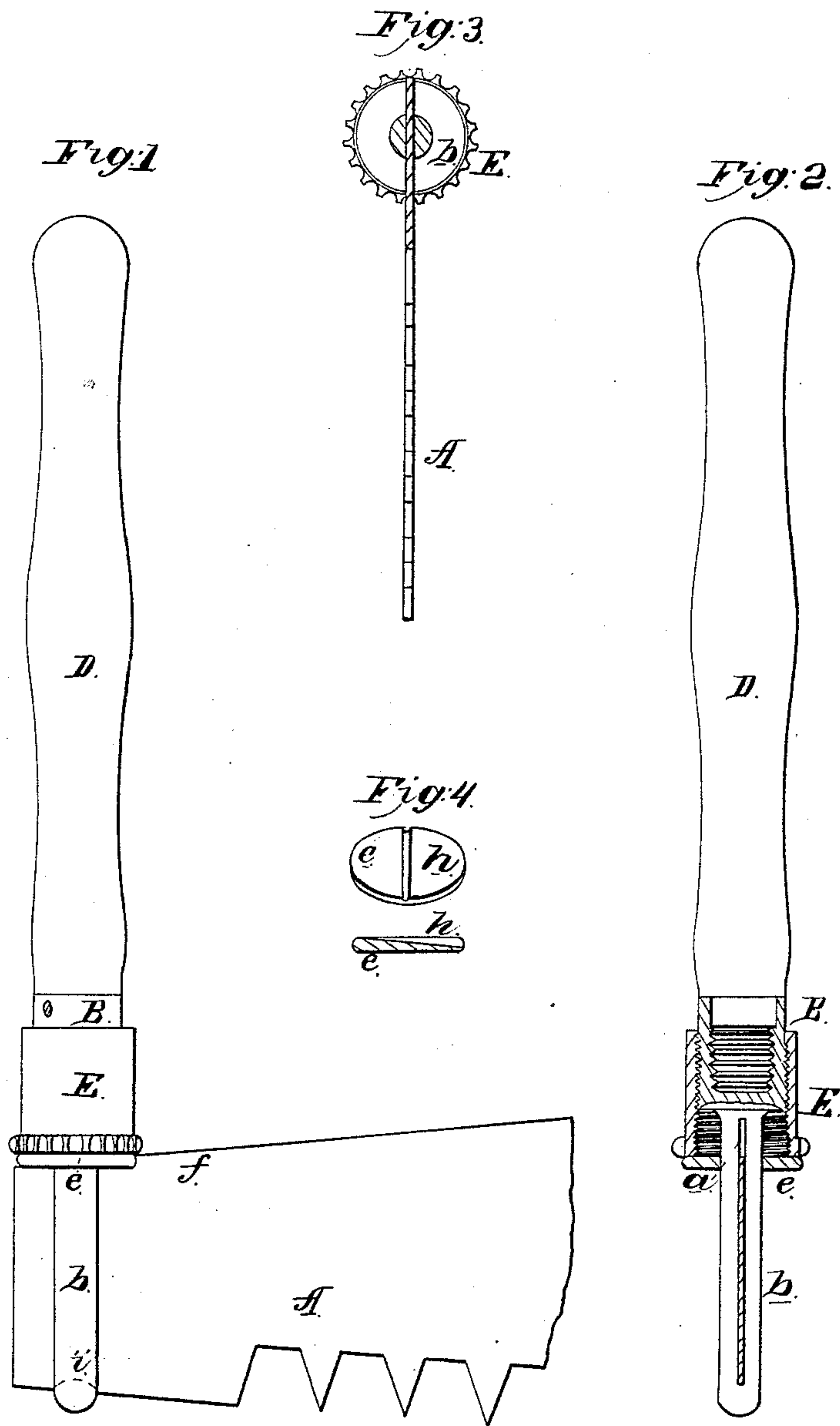


S. Disston.
Saw Handle.

Nº 84,095.

Patented Nov. 17, 1868.



Witnesses:
Wm. A. Steel.
John Parker.

Inventor:
S. Disston.
By his Atty
H. Howson



SAMUEL DISSTON, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 84,095, dated November 17, 1868.

IMPROVEMENT IN ATTACHING HANDLES TO CROSS-CUT SAWS.

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, SAMUEL DISSTON, of Philadelphia, Pennsylvania, have invented an Improved Handle for Cross-Cut Saws; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of a cross-cut-saw handle, constructed in the peculiar manner fully described hereafter, so as to insure strength and permanency, and afford facility for readily and securely attaching it to the saw-blade, and as readily detaching it from the same.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is an exterior view of my improved handle for cross-cut saws.

Figure 2, a view partly in section.

Figure 3, an inverted plan view of fig. 1.

Figure 4, views of the washer used in connection with the handle.

A represents one end of the blade of a cross-cut saw, passing through a slot in a stem, *b*, which projects from and forms a part of the socket B, the interior of the latter being made tapering, and having a screw-thread for receiving the end of the wooden handle D, as seen in fig. 2.

On the exterior of the socket B is formed a screw-thread adapted to an internal thread in the ferrule E, against which, and over the stem *b*, fits a washer, *e*, having an inclined groove, *h*, adapted to the inclined upper edge of the saw-blade.

The lower edge of the blade is notched at *i*, so that, when introduced into the slot of the stem *b*, as shown in fig. 1, a portion of the stem can enter the notch, after which the groove of the washer *e* is adapted to the blade, and the ferrule E is screwed down on the socket until the blade is securely confined between the washer and the lower end of the slot in the stem *b*.

This stem and the socket B are of malleable iron, cast in one piece, the interior of the socket, with its screw-thread, being formed during the process of casting.

By screwing the end of the wooden handle D tight into the tapering interior of the socket, and by making the latter a part of the slotted stem, the whole is much more substantial and permanent than if the stem were secured to the wooden handle by driving it into the same in the usual manner, and fitting to the handle a separate ferrule.

I claim as my invention, and desire to secure by Letters Patent—

The socket B, forming a part of the slotted stem *b*, and having an internal screw-thread for the end of the handle D, in combination with the grooved washer *e* and a ferrule, E, having an internal screw-thread adapted to a thread on the socket, the whole being constructed and arranged substantially as and for the purpose set forth.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

SAMUEL DISSTON.

Witnesses:

JOHN WHITE,

C. B. PRICE.