

J. H. Foster.

Combined Hoe & Fork.

N^o 93,809. Patented Aug. 17, 1869.

Fig. 1.

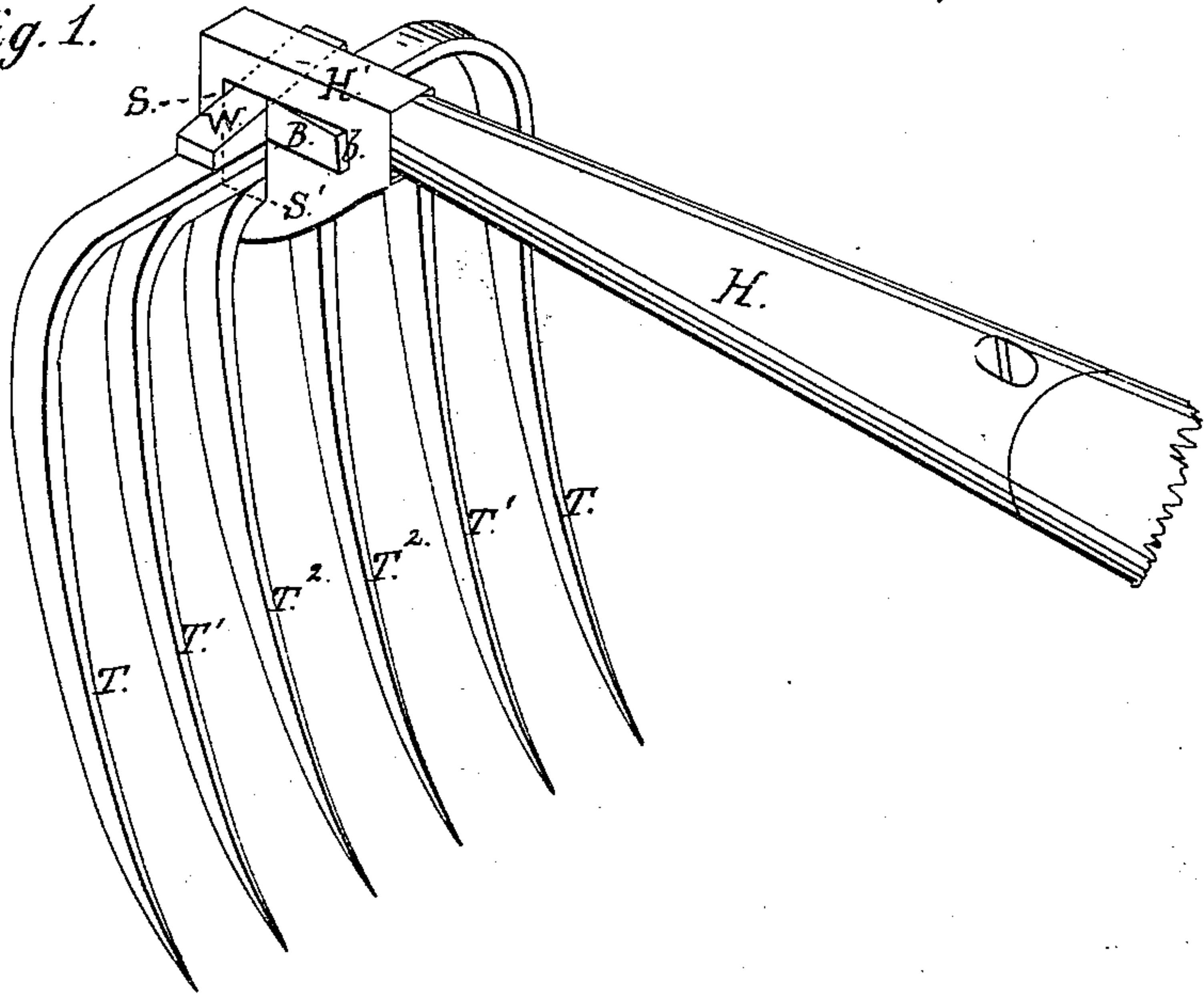
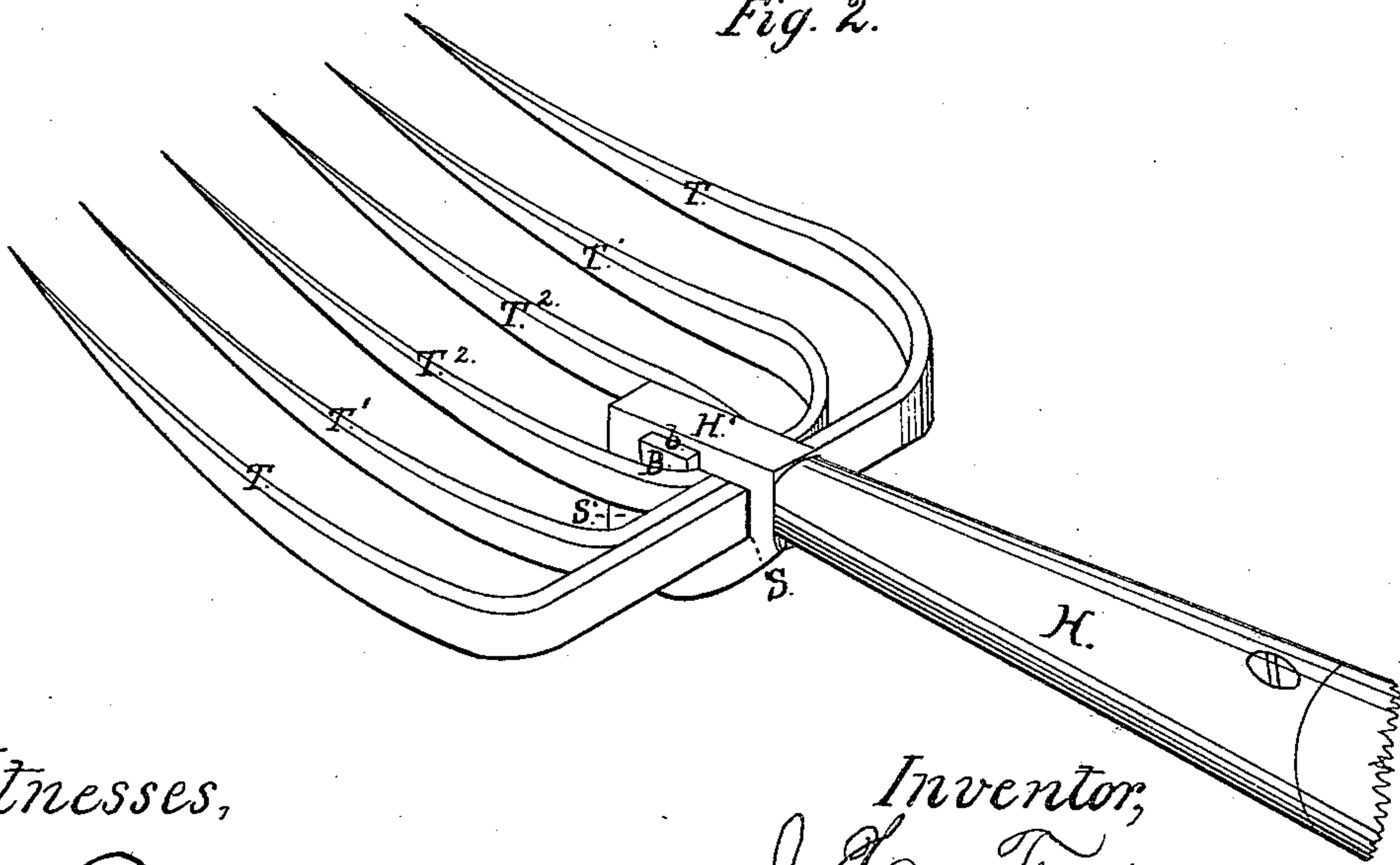


Fig. 2.



Witnesses,

*C. A. Pettit
Solon C. Kerrison*

Inventor,

*J. H. Foster
by *Thurman & Co*
attorneys.*

United States Patent Office.

JOHN H. FOSTER, OF CHARLOTTESVILLE, VIRGINIA.

Letters Patent No. 93,869, dated August 17, 1869.

IMPROVEMENT IN CULTIVATOR-HOES.

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, JOHN H. FOSTER, of Charlottesville, in the county of Albemarle, and State of Virginia, have invented a new and improved Convertible Hoe and Fork; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view, showing the instrument adjusted as a hoe.

Figure 2 is a similar view, showing it adjusted as a fork.

The object of this invention is to provide for public use a simple and durable instrument, which can be adjusted to operate either as a hoe or a fork, and which can at any time be readily changed from one form to the other, as the work requires.

In the drawings—

H is the handle, provided at its lower end with a metallic head, H', of triangular shape, in which is cut a lateral L-shaped slot, S S', and T T' T² are the pieces of metal that form the tines, each being an independent piece, bent, pointed, and shaped as shown, and so constructed that when arranged one piece within the other, the tines will come in the proper position to form a fork, rake, or hoe-head, as will be readily understood from the drawings.

Thus arranged, these pieces T T', &c., (to any required number,) are inserted into the slot s s', and clamped rigidly therein by means of a wedge, or wedge and block.

When the instrument is to be used as a fork, they

are inserted into the upper part of the slot, in that branch of it, shown at s, which extends in line with the handle, as seen in fig. 2. The other branch; s', is then filled up with a metallic block, B, and a wedge, w, is driven in at the end of the block, to hold it and the tines in place.

When the instrument is to be used as a hoe or rake, the pieces T T', &c., are inserted into the branch s' of the slot, which extends at right angles with the other, and are confined in place by inserting the block B in the branch s, and driving the wedge into that part of the slot, at the angle and common to both branches, as shown in fig. 1.

The end of the block B may be grooved, so that two of its terminal edges will slightly overlap the edges of the slot, as shown at e e, whereby the block will be prevented from moving laterally.

The wedges may, if any one prefers to do so, be inserted at any part of the slot available for the purpose, and one may be inserted at one place, another at another.

Having thus described my invention,

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

A convertible hoe and fork, constructed with the independent tine-pieces T T', &c., the slotted head H', the block B, and the wedges w, all combined to operate substantially in the manner and for the purposes set forth.

JOHN H. FOSTER.

Witnesses:

M. M. DU PRE,
L. H. MCCLUNG.