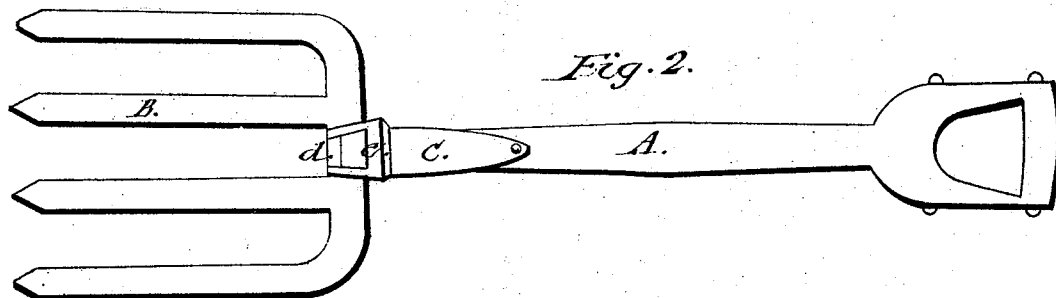
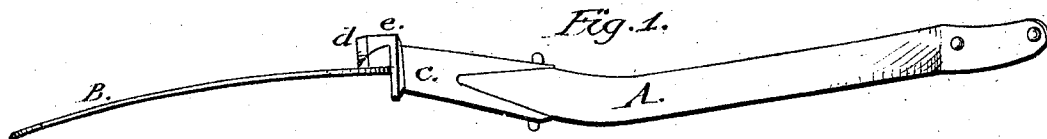


Denio and Babcock,

Spading-Forks.

Nº 92,709.

Patented Jul. 20. 1869.



Attest:
David G. Jenne
Porter S. Huntington

Inventors:
Elon C. Denio
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United States Patent Office.

ELON C. DENIO AND GEORGE K. BABCOCK OF NEW HARTFORD,
NEW YORK.

Letters Patent No. 92,709, dated July 20, 1869.

IMPROVEMENT IN THE CONSTRUCTION OF SPADING AND OTHER FORKS.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that we, ELON C. DENIO and GEORGE K. BABCOCK, of New Hartford, in the county of Oneida, and State of New York, have invented a new and useful Improvement in the Construction of Spade and other Forks; and we do hereby declare that the following is a full, clear, and exact description of the construction of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to increasing the strength of the fork or hook, at or near where the tang or shank is joined to the head of the implement, by a device to resist the bending or breaking at that (the weakest) part of the tool.

Similar marks of reference denote the same parts.

Figure 1 is a horizontal and side view of the handle, tines, and improved part of a common spading-fork.

Figure 2 is a plane view of the back and improved part of the same, in which—

A denotes the handle.

B, the tines.

C, the strapped or other ferrule, with an enlarged ring and projection *e* secured to the end of the ferrule.

The projection on the ring passes beyond the edge

and corner of the head, on the back part, to support the fork at the junction of the tang and head, the end of which rests against a projection, *d*, that is raised upon the fork-head, and so made and adjusted as to bear against the projection *e*, or against the end of a common handle and ferrule, thereby resisting the liability to break by tension on the tang or shank.

The red lines show the position of a projection raised on the fork-head, when resting against the common ferrule and handle.

It is evident that the same kind of projection can be placed upon the upper side of tools, such as potato and manure-hooks, &c.

What we claim, and desire to secure by Letters Patent, is—

The raised projection upon the back or resisting part of a fork or hook, substantially as and for the purpose specified.

ELON C. DENIO.

GEORGE K. BABCOCK.

Witnesses:

DEXTER GILMORE,

PORTER S. HUNTLEY.