

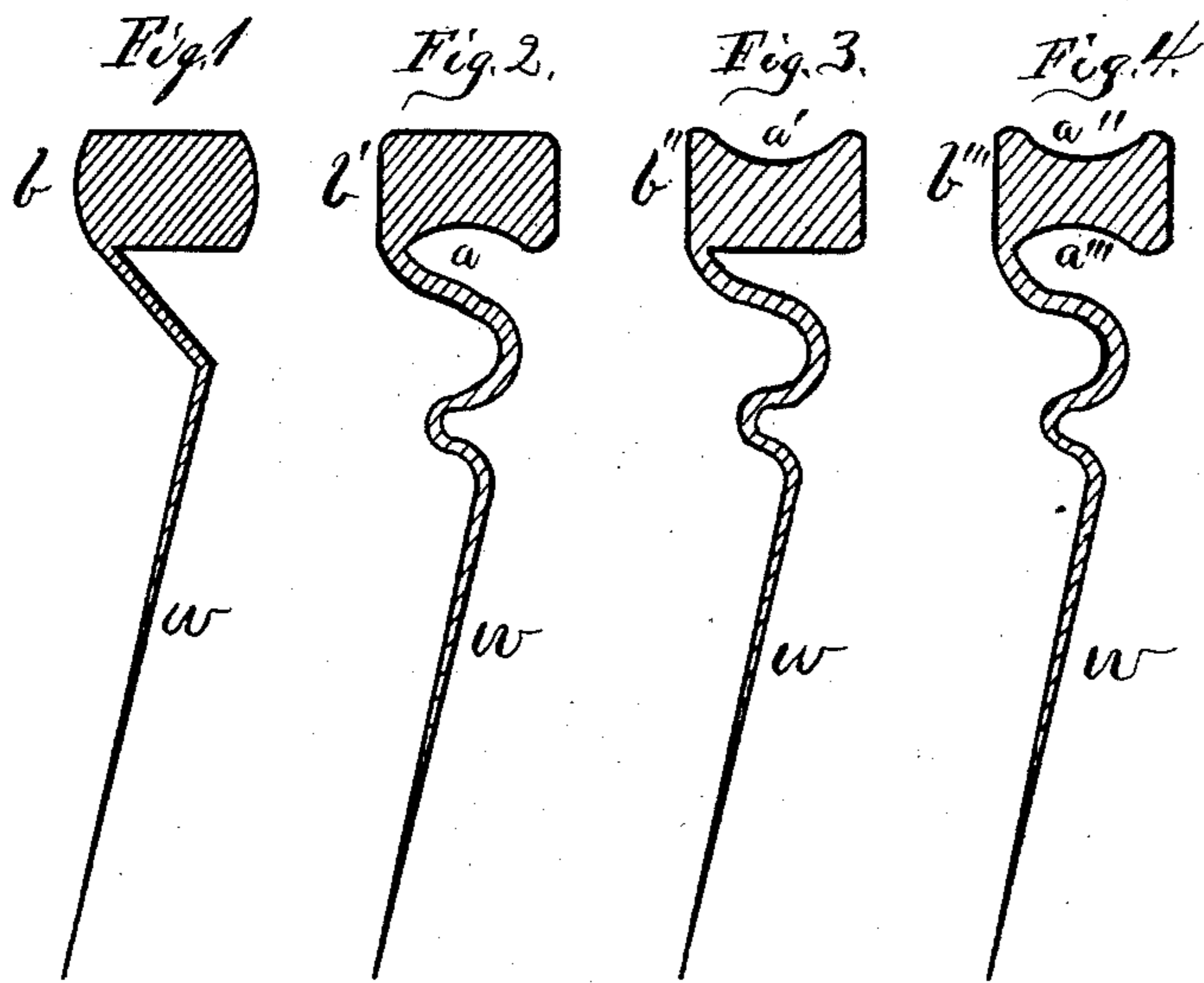
(No Model.)

W. HARVEY.

SCYTHER.

No. 327,163.

Patented Sept. 29, 1885.



Witnesses.
E. L. Whithouse
E. S. Fogg

Inventor,
William Harvey
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UNITED STATES PATENT OFFICE.

WILLIAM HARVEY, OF AUGUSTA, MAINE.

SCYTHE.

SPECIFICATION forming part of Letters Patent No. 327,163, dated September 29, 1885.

Application filed December 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HARVEY, of Augusta, in the county of Kennebec and State of Maine, have invented a new and useful Improvement in Scythes, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figures 1, 2, 3, and 4 are sectional views of the common form of scythes and the modifications I propose.

My invention relates, first, to the construction of scythes, making them light but capable of resisting a great strain, which I accomplish by hollowing the back on one or both sides and corrugating the web.

In the drawings, Fig. 1 is a sectional view of a common scythe to illustrate the difference between the present construction and the one which I propose. Figs. 2, 3, and 4 are sectional views of scythes constructed according to my invention.

b' , b'' , and b''' are the backs, and $w w w$ the webs.

In Fig. 2 the back is hollowed on the inside at a ; in Fig. 3 it is hollowed on the outside at a' , and in Fig. 4 on both sides, a'' and a''' . This hollowing of the backs, while it makes them considerably lighter, does not materially

weaken them, because the greater part of the strain is upon the outer edges, which are left as in the common scythe.

The web is corrugated next the back, as indicated. This corrugation has the effect to greatly strengthen the scythe and make it capable of resisting a much greater lateral strain than when constructed in the common form. It also enables the maker to use a thinner web. The result is that with a less amount of material a lighter and stronger scythe is obtained.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. A scythe having the back thereof concave on one or both sides, as indicated in Figs. 2, 3, and 4, as and for the purposes set forth.

2. A scythe having the back thereof concave on one or both sides and the web or blade corrugated from the junction of the web and back to a line near the cutting-edge of the web, and substantially parallel therewith.

WILLIAM HARVEY.

Witnesses:

WINFIELD S. CHOATE,
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