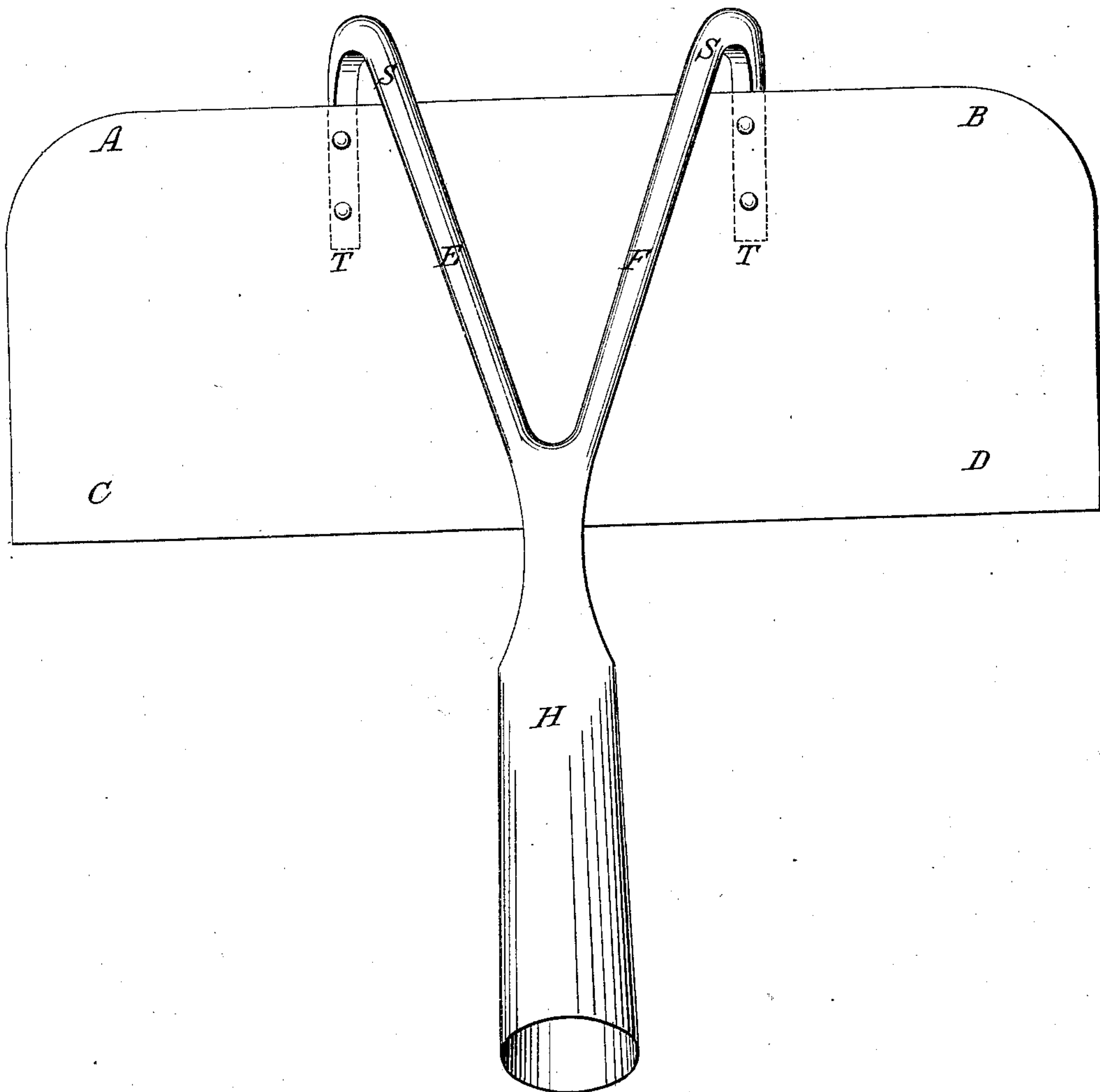


L. Streeter

Hoe,

Nº 81,839.

Patented Sep. 1, 1868.



Witnesses.

Thomas Taylor
Geo. D. Robinson.

Inventor;

Luther Streeter

United States Patent Office.

LUTHER STREETER, OF CHICOPEE, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND RANSOM SHEPARD, OF THE SAME PLACE.

Letters Patent No. 81,839, dated September 1, 1868.

IMPROVEMENT IN GARDEN-HOE.

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, LUTHER STREETER, of Chicopee, in the county of Hampden, and State of Massachusetts, have invented a new and useful Improvement in Field-Hoes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, and to the letters of reference marked thereon, which said drawing shows an elevation of said hoe.

My invention consists in constructing a hoe with a forked shank, which is attached to the blade at two points, the other end of the shank terminating in a socket, for the reception of the handle.

So far as I am aware, field-hoes, or hoes having a flat piece of sheet metal for a blade, have been constructed with a plain single shank, which is attached to the middle of the upper edge of the blade, and affords but a single point of support for the blade, in consequence of which the blade must be made of thicker metal, to prevent its bending and springing at the ends. The shank itself, being a single piece, must also be made very heavy, or be carefully tempered, to resist the strain and blows to which it is subjected when the hoe is in use. It is also desirable that the blade should be slightly curved in the direction of its length, from the middle towards each end—a form which is preferred by farmers to a perfectly plane blade; and, with a single shank attached to the middle of the upper edge of the blade, it is impossible to make the blade retain this curved form, unless formed of thick metal, the extra weight of which is undesirable. To obviate these difficulties, and to use a thinner plate, and construct a lighter hoe, the blade of which shall be as rigid as a thicker plate with the single shank, and shall retain its curved form, is the object of my invention.

The construction of said hoe is as follows: The blade A B C D is made of thin iron or steel plate, and, for ordinary use, is about nine inches long by three and one-half inches wide.

The handle-end of the shank is made in the form of a hollow socket, into which the handle is inserted and riveted, although it may be made in the form of a tapering solid spike, to be driven into the end of the wooden handle.

Beyond the socket, the shank divides, and forms the two prongs, E S T, F S T, which are precisely alike, and are curved between S and T. The ends of the prongs which come in contact with the blade are flattened, and riveted securely to the latter, being curved, so as to give the proper inclination of the blade to the handle.

By this construction, it will be seen that great strength is imparted to the implement, as the angular prongs, and the blade to which they are riveted, brace one another, so as to resist a lateral strain, as well as the usual vertical strain. It will also be seen that the blade A B C D is made longer than the blades of the ordinary single-shanked hoes, and that this extra length is possible with a forked shank, which carries the points of support nearer the ends of the blade.

I am aware that a double shank, as distinguished from a forked shank, has been used upon scuffle-hoes, as appears in the patent granted to I. Pardee, March 31, 1868, which construction of two separate shank-pieces would not accomplish the objects of my invention, as set forth, and I disclaim such construction, as set forth in said Letters Patent, my invention being limited to a forked shank, terminating in a single socket or tang, and attached to the nearly plane hoe-blade, in the manner hereinbefore set forth, and constituting a field-hoe, as distinguished from a scuffle-hoe, with which latter implement my invention has no connection; the shank being applied to a scuffle-hoe on the inside of the blade, and at nearly a right angle to it. I believe that my invention furnishes means hitherto unused for this purpose, by which any desired curve can be imparted to the blade, and made permanent, without increasing the weight of the implement.

Having described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

In combination with the blade A D of a field-hoe, which is more or less curved in the direction of its length, the forked shank terminating in a single socket or tang for the handle, and applied to the blade, as set forth, the whole constructed and arranged substantially as described.

LUTHER STREETER,

Witnesses:

GEO. D. ROBINSON,

THOMAS TAYLOR.