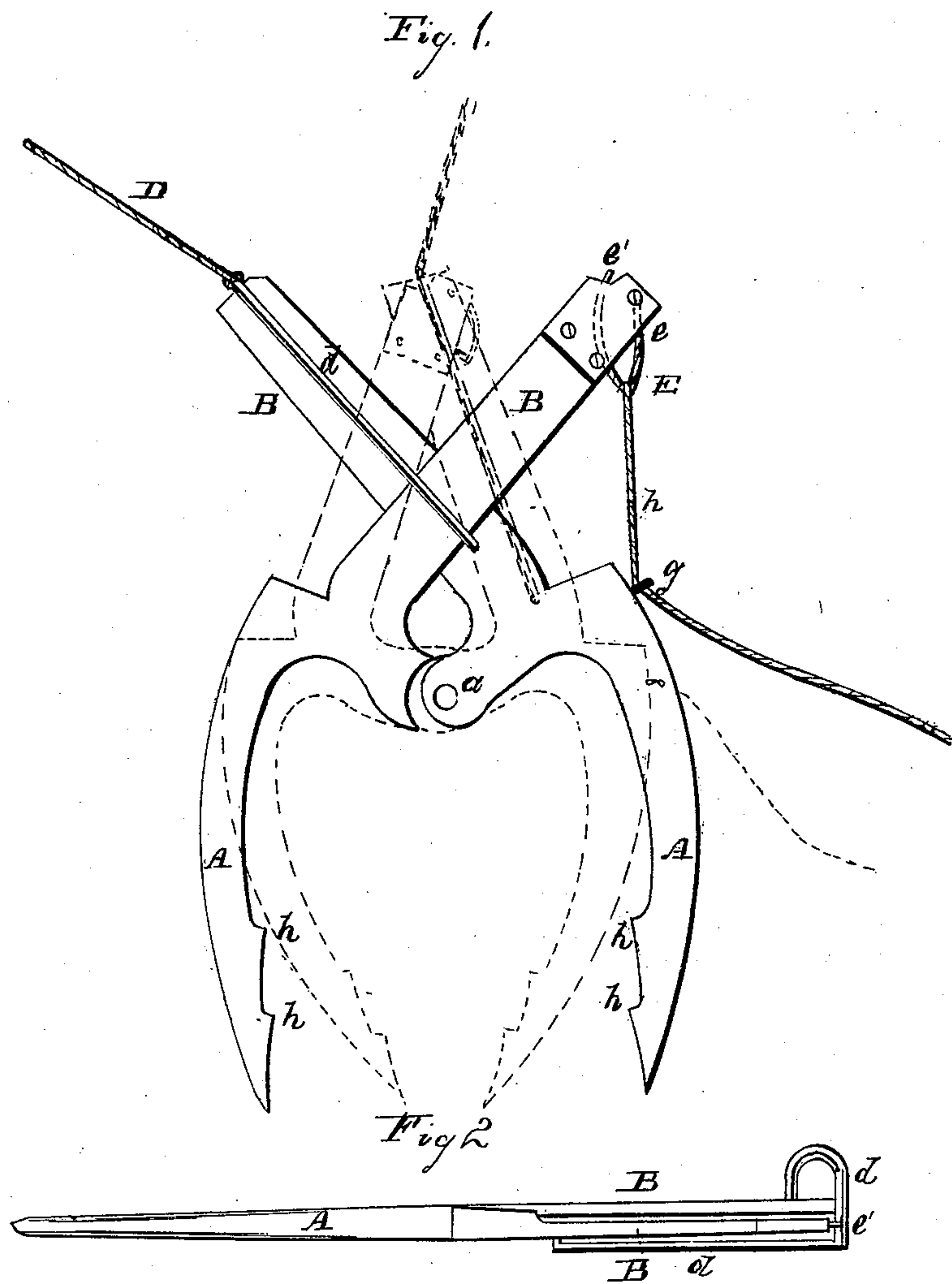


S. M. HOAGLAND.

Horse Hay-Fork.

No. 76,758.

Patented April 14, 1868.



Witnesses  
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# United States Patent Office.

SAMUEL M. HOAGLAND, OF CATAWISSA, PENNSYLVANIA, ASSIGNOR TO  
*Himself and* DANIEL KOSTENBANDER.

Letters Patent No. 76,758, dated April 14, 1868.

## IMPROVEMENT IN HORSE HAY-FORKS.

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 M. HOAGLAND, of Catawissa, in the county of Columbia, and State of Pennsylvania, have invented new and useful Improvements in Horse Hay-Forks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my improved fork.

Figure 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts.

This invention refers to those forks which consist of two pivoted tines, and which are used to load or unload hay by means of a horse.

It consists of the parts now to be set forth by reference to the drawings, in which—

A A are the tines, having handles, B B, and are pivoted at *a*, as shown.

A metallic rod, *d*, bent in the manner shown, and attached to the handles, serves as a guard to keep the said handles in contact while at any point of their vibration, and also serves as a point of attachment for the lifting-rope or cord D.

One of the handles is notched on the corner, as shown at *m*, for the purpose of receiving the rod *d* when the handles are brought together in grasping a quantity of hay, as shown in the red outline at fig. 1.

A spring, E, arises from the handle at *e*, and, passing through the handle, as shown by the dotted lines, projects from the notch at *e'*, for the purpose of catching against the rod *d* when the fork is closed.

*h h* are serratures, for the purpose of preventing the hay, when grasped, from slipping out.

A cord, *p*, is affixed to the spring, and leads through an eye, *g*. By pulling this cord, the spring is withdrawn and the tines suffered to spread.

The operation of this fork is obvious.

The advantages consist in its simplicity and general superiority, in facility of operation to those forks heretofore made, as practical trials have demonstrated.

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

The rod *d* and spring E, substantially as shown and described, in combination with the handles B of a double-tined hay-fork, all as and for the purpose set forth.

SAMUEL M. HOAGLAND.

Witnesses:

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