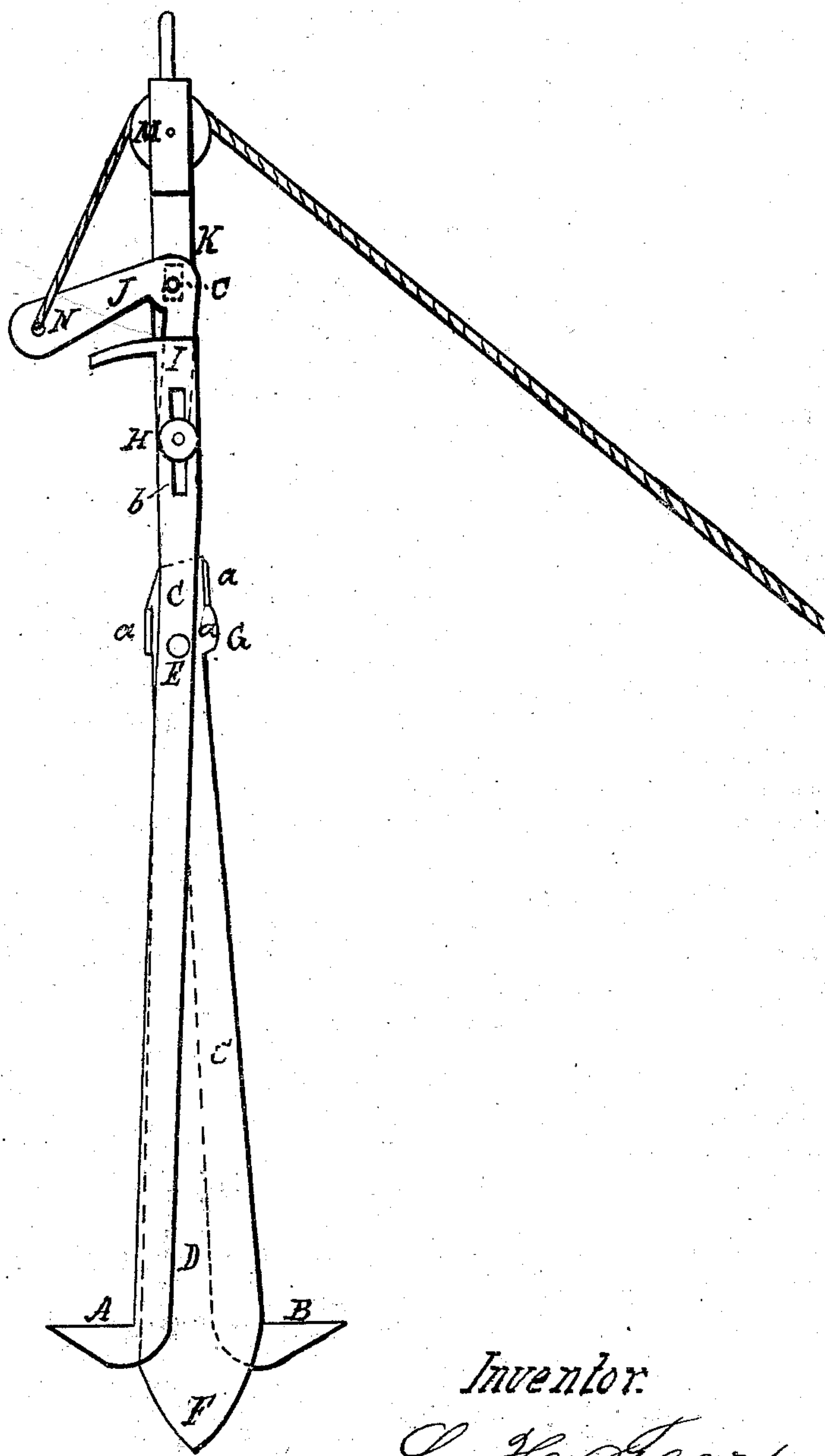


L. H. Tears.

Horse Hay Fork.

N^o 70044

Patented Oct. 22, 1867.



Witnesses.

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L. H. TEARS, OF TROY, ASSIGNOR TO HIMSELF AND THEODORE HATFIELD,
OF SCRANTON, PENNSYLVANIA.

Letters Patent No. 70,044, dated October 22, 1867.

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, L. H. TEARS, of Troy, in the county of Bradford, and State of Pennsylvania, have invented a new and improved "Hay-Fork;" and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The hay-fork embraced in the present invention consists of two hooks separated by a plate, pointed or dart-shaped at one end, all of which are hung to a common centre pin with two hooks so connected to a common bell-crank lever, to which a rope is hung, that by pulling such rope with hooks will be simultaneously drawn in, or, in other words, released from the hay hung thereon.

In the accompanying plate of drawings my improved hay-fork is illustrated, the figure being a front or face of the fork.

Similar letters of reference indicate corresponding parts.

A and B, in the drawings, represent two hooks that, by their stems C, extend along the flat sides or pieces of a common blade or plate, D, one upon each side, to which where, in common with such blade, they are hung to a pin, E, so that all three will turn or swing thereon. The end F of the blade D is made of a dart shape, and its other end G provided with a raised lip, *a*, upon each edge and in both faces for the sides of the hook-stems to abut against when turned or swung, as will be hereafter described, and thus to swing the said blade. In each stem of the hooks there are slots, *b* and *c*, respectively, by one of which, *b*, such stem is hung to the outer end H of one arm I to a bell-crank lever, J, that, at its angle K, is hung to and in the slot *c* of the other hook-stem. Beyond this slot *c* to the hook-stem the stem is extended, and at the extreme end has there hung to it a pulley, M, around which a rope passes for raising and lowering the fork. To the arm N of the bell-crank lever a cord is to be hung, by the pulley of which and through such bell-crank the hooks to the fork will be swung in and upon the side or faces of the dart blade and then released from the hay when it has been caught therein.

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

The combination of the hooks A and B with blade D and crank-lever, when arranged, constructed, and connected together substantially as and for the purpose described.

L. H. TEARS.

Witnesses:

BENJ. DORRANCE,
R. T. WOOD.