D. S. BLUE.

Horse Hay-Fork.

No 64,403. Patented May 7, 1867

Fig. 1

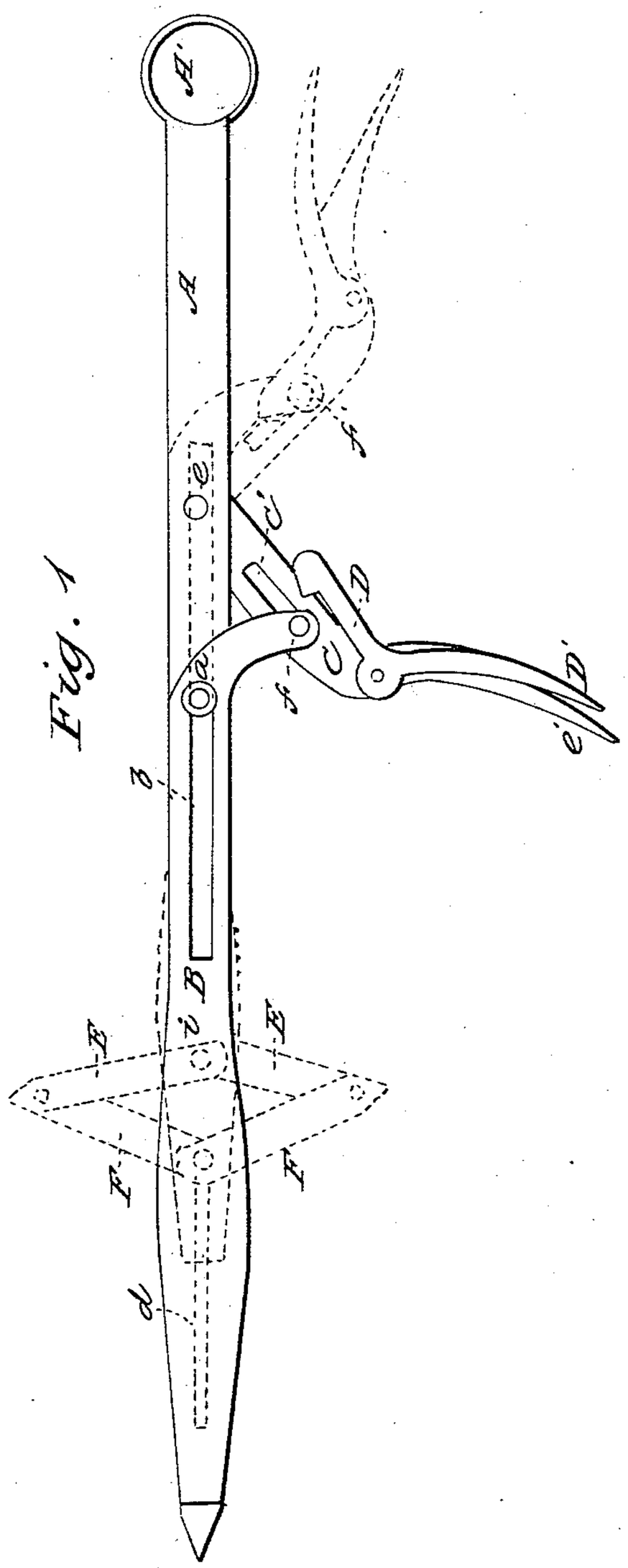
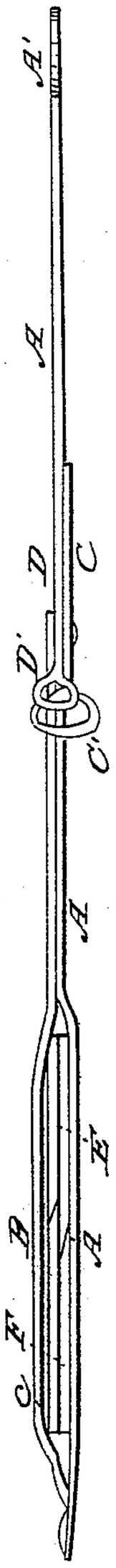


Fig. 2



Witnesses:

W. H. Burrige

J. Holmes.

Inventor:

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United States Patent Office.

D. S. BLUE, OF FREMONT, OHIO.

Letters Patent No. 64,403, *dated May* 7, 1867.

IMPROVEMENT IN HORSE HAY-FORK.

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, D. S. BLUE, of Fremont, in the county of Sandusky, and State of Ohio, have invented certain new and useful improvements in Hay-Forks; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front view of the fork.

Figure 2 is a side view

Like letters of reference refer to like parts in the views.

In the drawing, A represents the shaft of the fork, the upper end forming a loop, A′, to which is attached a rope or chain when operating. On this shaft moves the slide B, which is held in place by means of the pin *a* passing through the slot *b* in said slide. The lower end of this slide is held in place by means of the pin *c* and slot *d*, indicated by the dotted lines, these slots allowing the slide to move. C is a lever, which is pivoted at *e* to the shaft A, as represented; a loop, *e′*, on the end to which the rope for operating it is secured. C′ is a slot in this lever, through which the pin *f*, in the curved end of the slide, passes, forming a wrist between said slide and lever. Pivoted to this lever C is the catch D, the end of which forms a loop, D′, to which also is attached a rope for working it. Near the lower end of the slide are pivoted the arms F, by means of the pin *c* above referred to, this pin performing two functions, securing the arms F to the slide, and also, by the aid of the slot *d*, keeping the lower end of the slide in place to the shaft. To the other end of said arms are pivoted two other arms, E, which are again pivoted to the shaft at *i*, the arms, when closed, being between the shaft and slide, as shown in fig. 2.

The operation of this fork is as follows: The lever and slide are first moved down in the position shown in fig. 1, thus closing the arms E F, and the fork pushed into the hay; the lever and slide being then moved up, open the arms, as indicated by the dotted lines, and the catch is then thrown forward and catches hold of the wrist referred to, as shown at *f′*, fig. 1, thus securing the slide and preventing it from moving down until the catch is released. The fork can then be removed, the arms taking up a large amount of hay and depositing it where desired, and the fork placed in its original position, to be again operated.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The shaft A, slide B, slots *b d*, and arms E F, in combination with the lever C, wrist *f*, and catch D, arranged and operating as and for the purpose substantially as set forth.

D. S. BLUE.

Witnesses:

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