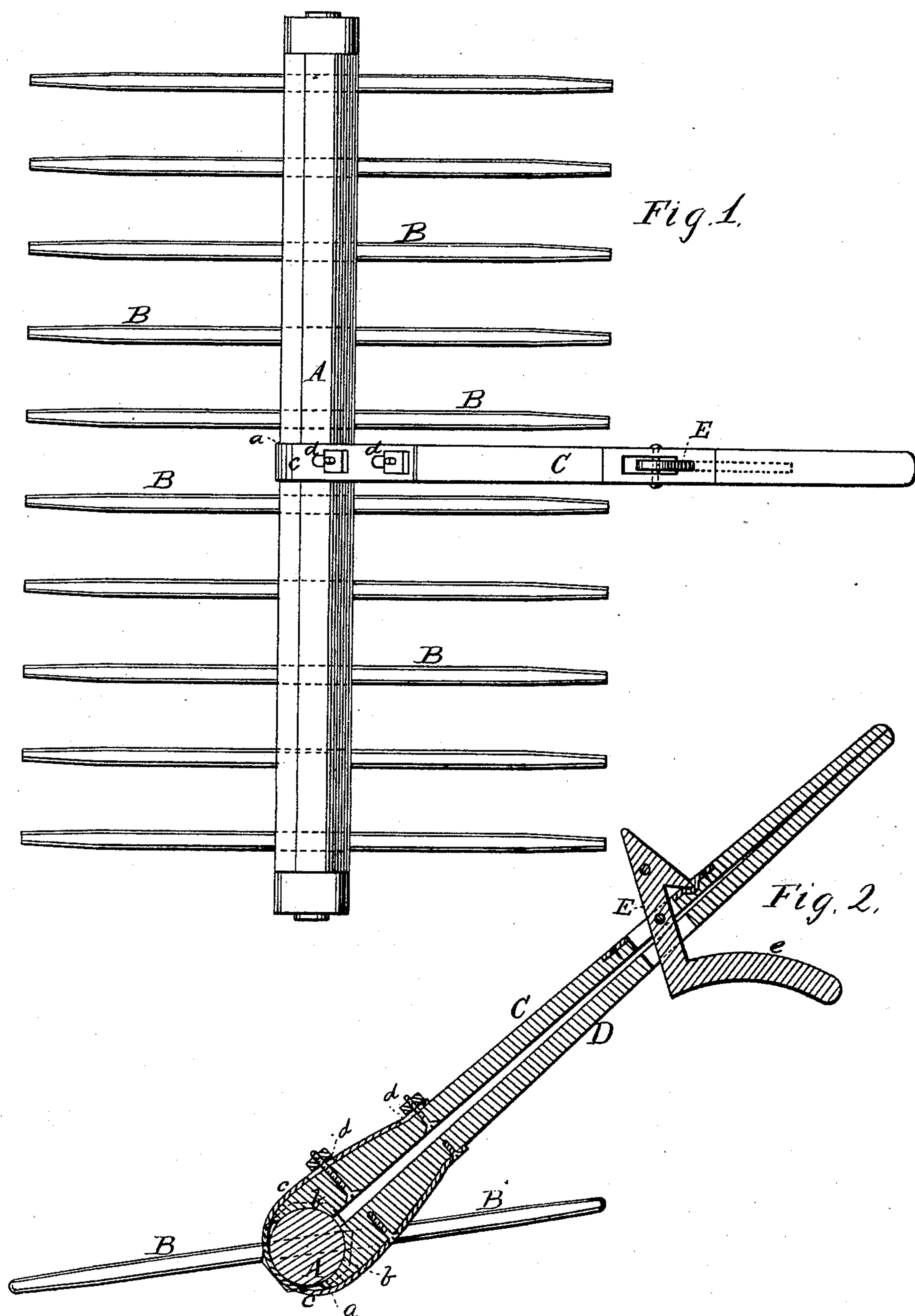


M. BUTLER.  
Horse Hay-Rake.

No. 223,316.

Patented Jan. 6, 1880.



WITNESSES

*Villette Anderson.*  
*Phil. C. Masi*

INVENTOR  
*Manlove Butler,*  
*by E. W. Anderson*  
*his* ATTORNEY

# UNITED STATES PATENT OFFICE.

MANLOVE BUTLER, OF VERNON, INDIANA, ASSIGNOR OF ONE-HALF OF HIS  
RIGHT TO BENJAMIN C. BAKER, OF SAME PLACE.

## HORSE HAY-RAKE.

SPECIFICATION forming part of Letters Patent No. 223,316, dated January 6, 1880.

Application filed November 22, 1879.

*To all whom it may concern :*

Be it known that I, MANLOVE BUTLER, of Vernon, in the county of Jennings and State of Indiana, have invented a new and valuable Improvement in Hay-Rakes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of this invention. Fig. 2 is a central vertical section of the same.

This invention has relation to hay-rakes; and it consists in the construction and novel arrangement of the annularly-grooved rake-body, the pair of clamping-levers, connected by a spring and engaging the annular groove of the rake-body, and the gravitating latch, all as hereinafter shown and described.

In the accompanying drawings, the letter A designates the main body or roller-beam of the rake, having the double teeth B B on opposite sides thereof, and a central annular groove, *a*.

C represents an upper, and D an under, clamping-lever, whereof the ends are beveled in arc form to fit the annular groove, as shown at *b*. The outer edges of these lever ends are rounded and bound with a strong metal band-connection, *c*, which is firmly secured to

both levers. Slots *d* are made in one end of this band-connection to permit of a certain amount of adjustment to compensate for wear and preserve the spring action. Near their outer ends the levers are slotted for the passage of the gravitating latch E, which is pivoted in the slot of the lower lever and extends through the slot of the upper lever, falling into engagement by the operation of its lower weighted arm, *e*. When this latch is disengaged the spring-connection opens the clamping-levers and allows the rake to turn over and deposit its load. Then the clear teeth are presented for work, and the levers, being brought together, again clamp the rake-body and hold it firmly, the clamping action being secured by the falling of the latch.

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

The combination, with the rake-body A, having the double teeth and annular groove *a*, of the clamping-levers having the arc-shaped bearing-ends *b*, the adjustable spring band-connection *c*, and the gravitating latch E, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MANLOVE BUTLER.

Witnesses:

WALES M. CAMPBELL,  
ORLANDO BACON.