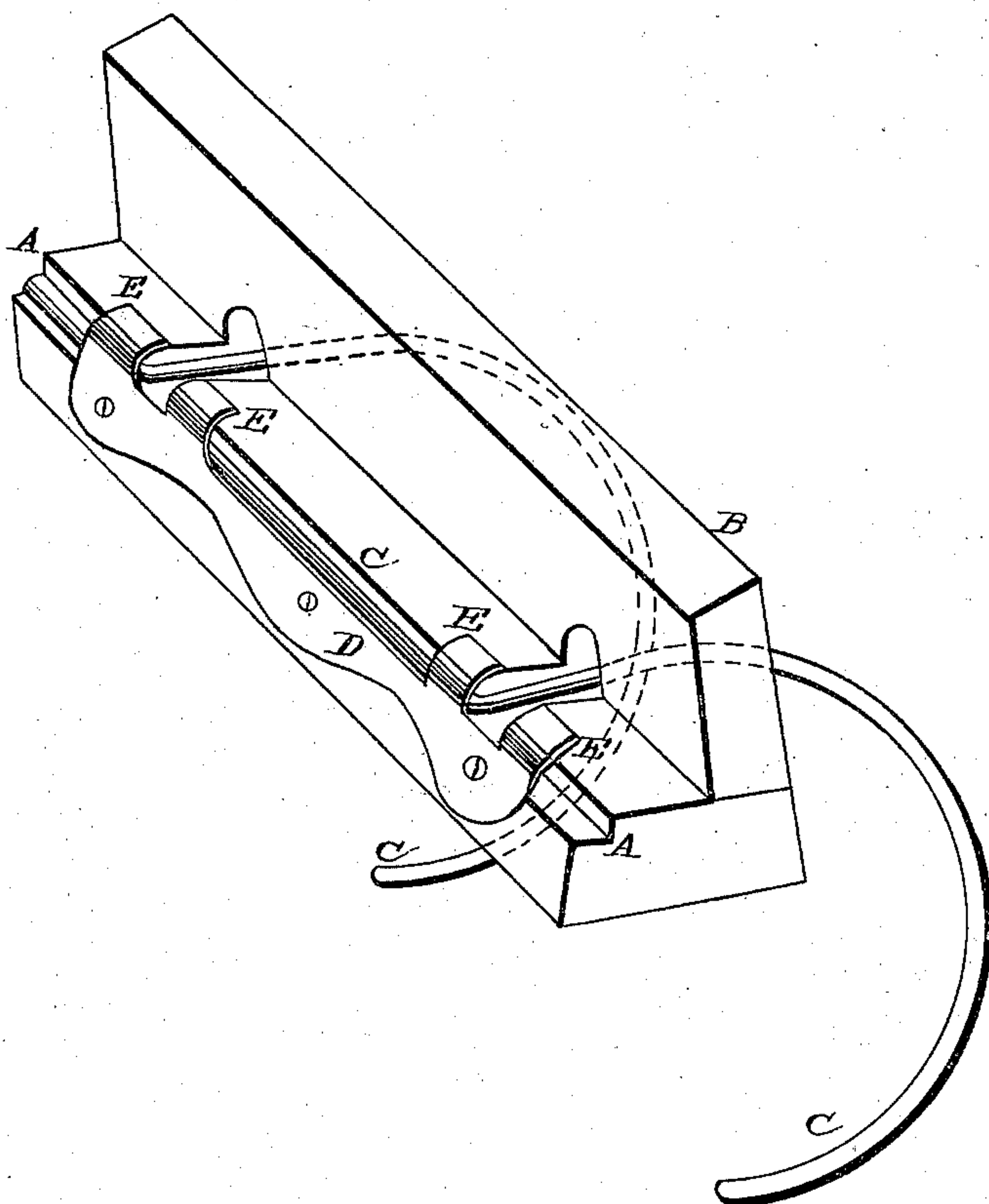


J. H. COOK.

Horse Rake.

No. 99,643.

Patented Feb. 8, 1870.



Witnesses

Edw Wm Farley  
W. E. Wilcox

Inventor

John H. Cook.  
By his Atty—

J. H. Reigart.

# United States Patent Office.

JOHN H. COOK, OF HAGERSTOWN, MARYLAND, ASSIGNOR TO HAGERSTOWN AGRICULTURAL IMPLEMENT MANUFACTURING COMPANY, OF SAME PLACE.

*Letters Patent No. 99,643, dated February 8, 1870.*

## IMPROVEMENT IN HORSE HAY-RAKES.

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, JOHN H. COOK, of Hagerstown, Washington county, State of Maryland, have invented new and useful Improvements in Horse-Rakes; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in making a square groove on the edge of the rake-head, so that the angular ends of the rake-teeth may fit into the groove, operate in it, and be more firmly held in their place without wobbling, and a corresponding angular plate is screwed on to the rake-head, to secure every two teeth firmly in the groove.

To enable others to make and use my invention, I will proceed to describe it, as follows:

A is the square groove, cut on the edge of the rake-head B, in which the angular ends of the rake-teeth C are fitted and operate, and by which means the teeth C are held more firmly and regularly.

After the angular ends of the teeth C are fitted in the groove, an angular plate, D, is screwed on to the

rake-head permanently, so as to secure the ends of two teeth, C, firmly in the groove.

The plate D is made of cast-iron, scalloped on its front side, and having two flanges, E E, at each end, at right angles with the front of the plate, these flanges fit flat upon the upper side of the rake-head, and hold the angular ends of every two teeth, C, firmly in the groove A, whilst the teeth C operate between the flanges E E.

I am aware that angular ends of rake-teeth are held down upon the upper side of the rake-head by cylindrical hinges or boxes, in which those ends operate, but these I do not use or claim; but

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

The angular plate D E, to hold the ends of the rake-teeth securely in the groove, when constructed and combined with the rake-head, in the manner herein described, and for the purpose set forth.

JOHN H. COOK.

Witnesses:

WM. K. SIEGRIST,  
A. MILLER