

(No Model.)

F. M. COOK.
COLTER HOLDER.

No. 571,189.

Patented Nov. 10, 1896.

Fig. 1.

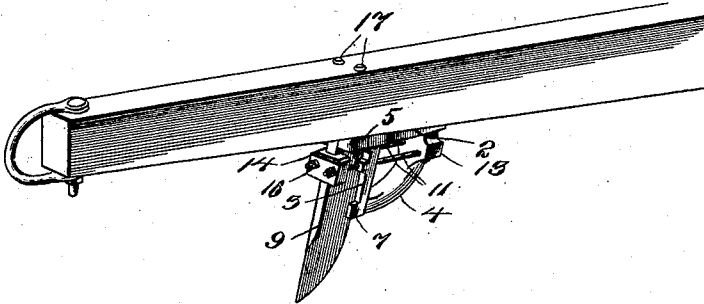


Fig. 2.

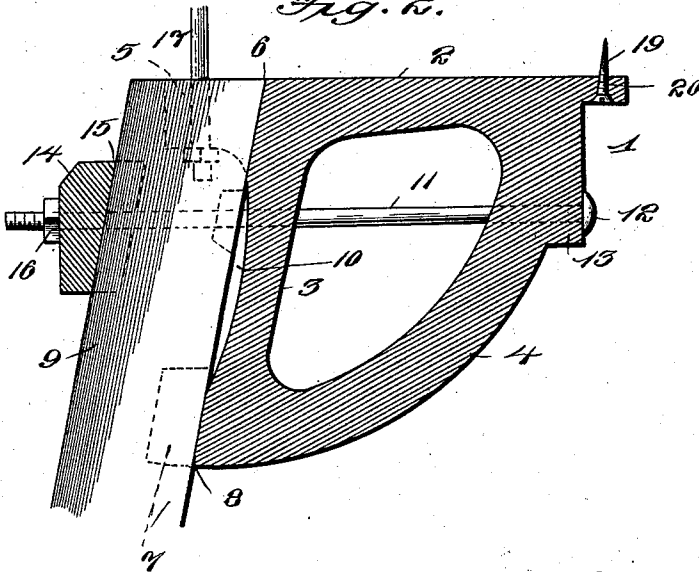


Fig. 4.

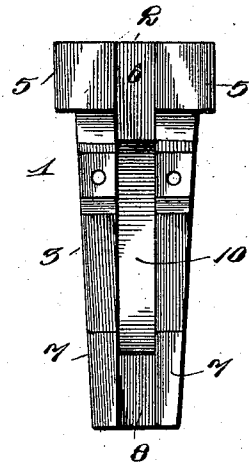
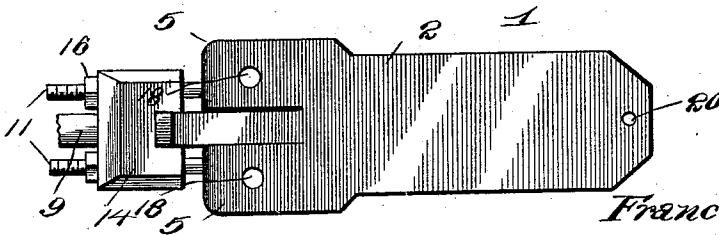


Fig. 3.



Inventor

Francis M. Cook,

Witnesses

W. J. Koeth.

John W. Cromwell.

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

FRANCIS MARION COOK, OF TUPELO, ARKANSAS.

COLTER-HOLDER.

SPECIFICATION forming part of Letters Patent No. 571,189, dated November 10, 1896.

Application filed April 17, 1896. Serial No. 588,027. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS MARION COOK, a citizen of the United States, residing at Tupelo, in the county of Jackson and State of Arkansas, have invented a new and useful Colter-Holder, of which the following is a specification.

This invention relates to new and useful improvements in devices for securely holding colters to plows, and it has for its object to provide a holder of this character by which the colter may be easily and quickly attached to or detached from a plow, and furthermore, to so construct such holder as to permit the colter being readily adjusted to suit the requirements of various conditions of work.

To this end the invention consists substantially in the construction, combination, and arrangement of parts, as will be hereinafter fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a holder constructed in accordance with the present invention and illustrated in applied position. Fig. 2 is a longitudinal sectional view of the holder. Fig. 3 is a top plan view thereof. Fig. 4 is an end view with the colter removed.

Similar numerals of reference indicate corresponding parts throughout the figures.

Referring to the drawings, 1 designates a substantially triangular-shaped bracket comprising a securing-plate 2, a downwardly-projecting arm 3, and a curved brace 4, all of which are formed of any suitable material and cast in a single piece. It will be noted that the downwardly-projecting arm 3 is inclined from its point of connection with the securing-plate 2 to the curved brace 4, the object of which will be hereinafter stated.

Formed integral with the securing-plate 2, at one of its ends, is a pair of spaced lugs 5, having a notch 6 between them, and the arm 3 at its lower end and in vertical alinement with the lugs 5 is also provided with a pair of spaced lugs 7. Between the lugs 7 is a notch 8, similar to the notch 6, such notches 6 and 8 being adapted to receive an ordinary colter 9. The arm 3, adjacent to the colter 9, is provided with a depression 10, such depression permitting the colter to bear against the upper and lower ends of the bracket 1 within

the notches 6 and 8, thereby forming a rigid seat for the same.

In order to securely retain the colter in the notches 6 and 8, tie-rods 11 are employed. These tie-rods are provided with heads 12, which abut against a shoulder 13, formed on the brace 4, and said tie-rods, after passing through the brace 4 and arm 3, project beyond the colter 9 at each side of the same. Mounted upon the ends of the rods 11 is a clamp-block 14, one side of which is provided with an inclined groove 15, corresponding to the incline of the arm 3 and adapted to fit the colter 9; and for binding the block 14 against said colter, nuts 16 are screwed upon the ends of the rods 11 and thereby securely retain the colter in the notches 6 and 8.

The bracket 1 may be secured to the under side of a plow-beam in any suitable manner; but I preferably employ bolts 17, which pass through apertures 18, formed in the lugs 5, and a screw 19, disposed in an aperture 20 at the end of the securing-plate 2, opposite to the lugs 5. The bolts 17 and screw 19 enter the beam of the plow at its under side and effectually hold the bracket thereto.

From the foregoing the advantages of the herein-described colter-holder will be readily understood by those skilled in the art. After the bracket has been secured to the plow the colter is placed in the notches 6 and 8, between the tie-rods 11, and the clamp-block 14 is mounted upon the ends of said rods. The groove 15 of the clamp-block receives the colter, and when the nuts 16 are screwed upon the tie-rods 11 the block 14 is forced against the colter, thereby binding the latter to the bracket 1 and securely holding the same. It will therefore be seen that I have provided a colter-holder which may be cheaply and easily manufactured, and adapted for use with any ordinary plow. The colter may be easily and quickly attached to or detached from the bracket, and by reason of the clamp-block 14 the colter may be either raised or lowered, thereby providing for different conditions of the work to be performed. It will also be apparent that from the incline of the arm 3 and the peculiar shape of the bracket 1 great strength is imparted to such bracket, and the colter is thus held at an

angle to the ground, and by the use of my improved holder the necessity of such long colters, as heretofore employed, is overcome.

Having thus described my invention, what I claim as new is—

1. A colter-holder, comprising a triangular-shaped bracket secured to the under side of a plow-beam, a clamp-block for securing a colter to the bracket, and tie-rods for binding the clamp-block against the colter and securing the latter to the bracket, substantially as set forth.

2. A colter-holder, comprising a triangular-shaped bracket, secured to the under side of a plow-beam, spaced lugs cast integral with the bracket for receiving a colter, a clamp-block having a groove in one of its sides and adapted to fit one edge of the colter, and tie-rods for binding the clamp-block against said colter and securing the latter to the bracket, substantially as set forth.

3. A colter-holder, comprising a bracket having a securing-plate provided with an inclined downwardly-projecting arm and a curved brace connected to the securing-plate and the downwardly-projecting arm, a clamp-block for securing a colter to the bracket, and

tie-rods for binding the clamp-block against the colter and securing the latter to the bracket, substantially as set forth.

4. A colter-holder, comprising a bracket having a securing-plate provided with an inclined downwardly-projecting arm and a curved brace connected to the securing-plate and the downwardly-projecting arm, lugs cast integral with the bracket at its upper and lower ends and forming notches for receiving a colter, a clamp-block having a groove in one of its sides adapted to fit one edge of the colter, and tie-rods secured to the bracket and extending beyond the colter at each side thereof, said rods having the clamp-block mounted thereon and provided with nuts for binding the said clamp-block against the colter and securing the latter to the bracket, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FRANCIS MARION COOK.

Witnesses:

A. A. CRABTREE,
L. J. TAYLOR.