(No Model.)

J. A. KENNEDY.

COLTER.

No. 368,592. Patented Aug. 23, 1887.

Fig. 1

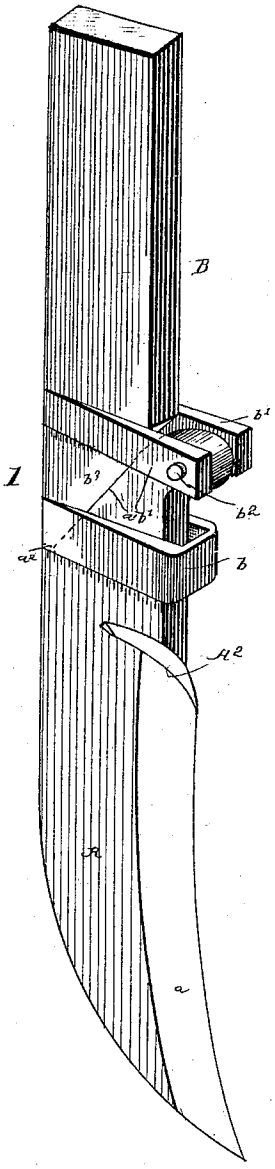


Fig. 2

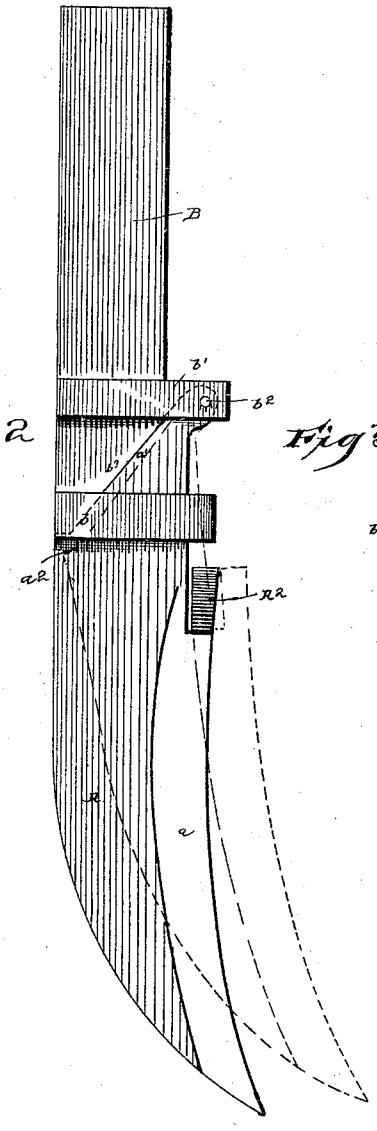
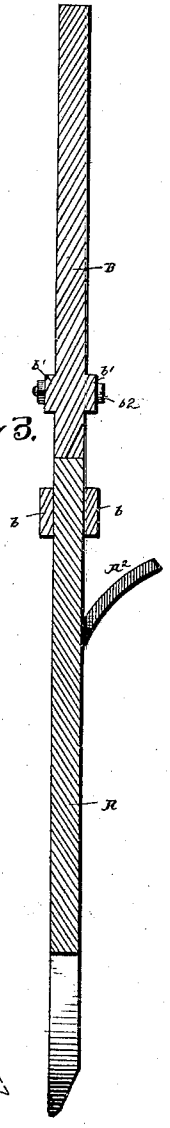


Fig 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES ALBERT KENNEDY, OF CARTHAGE, NEW YORK.

COLTER.

SPECIFICATION forming part of Letters Patent No. 368,592, dated August 23, 1887.

Application filed June 21, 1887. Serial No. 242,040. (No model.)

To all whom it may concern:

Be it known that I, JAMES ALBERT KENNEDY, a citizen of Canada, residing at Carthage, in the county of Jefferson and State of New York, have invented a new and useful Improvement in Colters, of which the following is a specification.

My invention relates to an improvement in colters; and it consists in the construction and arrangement of the parts of the same, which will be more fully hereinafter described, and pointed out in the claims.

The object of my invention is to provide a colter which is adapted to have movement and prevent a stone catching between the plow-point and the colter. I attain this object by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the several views, and in which—

Figure 1 is a perspective view of my improved colter. Fig. 2 is a side elevation thereof, showing the blade of the colter turned in dotted lines. Fig. 3 is a vertical transverse section.

A indicates the blade having a cutting-edge, *a*, and B the stock, which is secured to the beam of the plow in the usual manner. Formed with the lower portion of the stock B is a metallic loop, *b*, which is formed integrally with the lower portion of the said stock. Above the loop *b*, and also integrally formed with the said stock B, are two arms, *b'*, which project outwardly from the stock B and form a bifurcation for the reception of the end of the blade A, which is pivoted between the said arms by means of a pivot-bolt, b^2.

From the under side of the arms *b'*, rearwardly toward the back of the stock B, the material of which the stock is formed is cut away to form an incline, b^3. The blade A is in like manner formed with an upper incline, *a'*, which is adapted to bear against the incline b^3, formed with the lower end of the stock B. A shoulder, a^2, formed at the lower portion of the incline *a'*, is situated at the upper portion of the blade A. The rear lower portion of the stock B bears against the shoulder a^2.

The blade A at that portion which passes through the loop *b* is reduced in cross-sectional extent by the formation of a spur, A', which is formed by cutting the metal at this point and bending it to one side, to form a guard for the purpose of clearing straw or hay or other material away from the plow, as will be readily understood, and prevent the same from becoming choked. By reducing the upper portion of the blade A, as hereinbefore set forth, a movement is given to the blade by reason of the space left in the collar or loop *b*, whereby the said blade is allowed backward and forward play, for purposes which will be readily apparent.

The novelty and utility of my improved device being obviously apparent and appreciable, it is unnecessary to further enlarge upon the same.

Having thus described my invention, what I claim is—

1. In a colter, the combination of the stock B, constructed as set forth, and the blade A, pivotally connected to said stock and provided with a laterally-bent spur integrally formed with the upper portion thereof, substantially as described.

2. The combination, with the extended stock B, having the loop *b*, of the blade A, pivotally connected to the said stock and limited in its movement by said loop, substantially as described.

3. In a colter, the combination, with the stock B, of the loop *b* and the arms *b'*, formed integrally with the stock B, and the blade A, pivotally mounted, in connection with the stock B, between the arms *b'* and loop *b*, substantially as described.

4. In a colter, the stock B, in combination with the pivoted blade A, having the lateral spur A' on its front edge at an intermediate point, said spur being formed by cutting the metal and bending it to one side, as set forth.

5. In a colter, the stock B, in combination with the pivoted blade A, the stock being formed with an incline, b^3, and the blade having an incline, *a'*, to fit the incline b^3 of the stock, and the loop *b*, to limit the movement of the blade, as set forth.

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

JAMES ALBERT KENNEDY.

Witnesses:
JAMES H. DAWLEY,
JOHN A. HOOVER.