

A. M. DAVIS.
Colter.

No. 160,309.

Patented March 2, 1875.

FIG. 1.

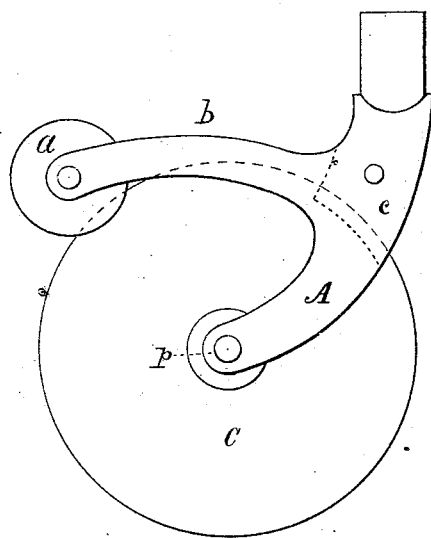
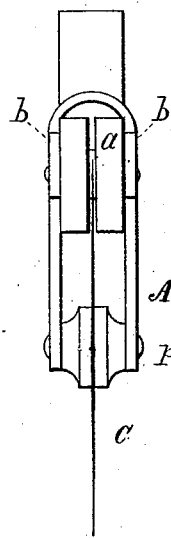


FIG. 2.



WITNESSES

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ALBERT M. DAVIS, OF JERSEYVILLE, ILLINOIS.

IMPROVEMENT IN COLTERS.

Specification forming part of Letters Patent No. **160,309**, dated March 2, 1875; application filed November 12, 1874.

To all whom it may concern:

Be it known that I, ALBERT M. DAVIS, of Jerseyville, in the county of Jersey and State of Illinois, have invented a new and Improved Rolling Colter for Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The invention herein referred to relates to an improvement in rolling colters for plows; and consists in certain details of construction, hereinafter described, whereby the revolving blade is maintained in a plane at right angles to its axis of revolution, even though the hub may have acquired by internal wear a considerable amount of play upon its axis. The rolling colter of ordinary construction, in consequence of the interior of the hub wearing away rapidly at each end, soon acquires a wabbling motion upon its pivot, which has the effect of rendering in a short time this otherwise invaluable adjunct to the plow almost useless.

In the drawings, Figure 1 is a side elevation of an ordinary caster rolling colter, provided with the improvement above referred to. Fig. 2 is a rear end elevation of the same

C, Fig. 1, represents a circular cutter of ordinary form, revolving upon a pivot, *p*, the latter passing through the lower extremities of the bifurcated stock *A*. From each side of the stock, and projecting rearward, is an arm,

b, and between the ends of these two arms is pivoted a small roller, *a*, preferably made of hard wood, and provided upon its periphery with a groove adapted to receive the cutting-edge of the revolving blade, as shown in the drawings. In the upper part of the bifurcation of the stock is fitted a block, *c*, (shown in dotted lines), also preferably made of hard wood, and provided with a groove corresponding with that in the roller *a*, and similarly adapted to receive the edge of the revolving cutter.

By these details it will be seen that the cutting-blade is sustained laterally at three points, namely, at *p*, *a*, and *c*; therefore, whatever play the hub may have upon its pivot, the edge of the cutter will be held constantly in a plane at right angles to its axis of revolution, and consequently when in operation follow a straight course, instead of a sinuous or tortuous one.

I claim and desire to secure by Letters Patent—

1. In combination with the revolving colter, the grooved roller *a*, as and for the purpose described.

2. In combination with the colter, the grooved roller *a* and grooved block *c*, as and for the purpose described.

This specification signed and witnessed this 4th day of November, 1874.

ALBERT M. DAVIS.

Witnesses:

B. F. CALHOUN,
DANIEL WOLLENWEBER.