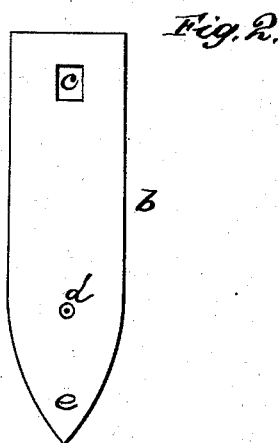
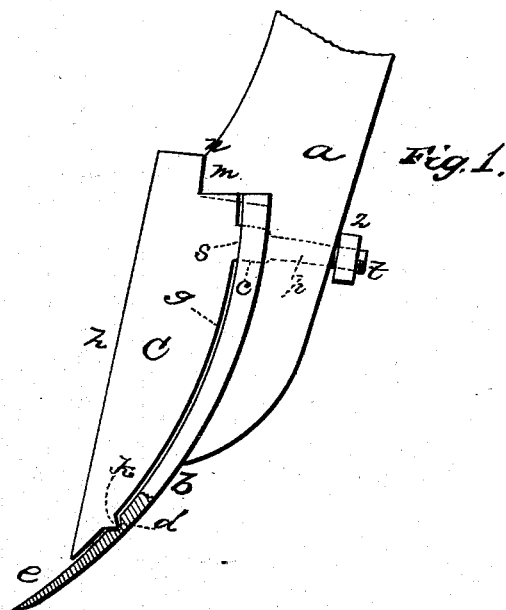


(No Model.)

T. F. CAPEHART.
COLTER.

No. 263,112.

Patented Aug. 22, 1882.



WITNESSES
E. H. Bates
Philip L. Mason

INVENTOR
T. F. Capehart
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

THOMAS F. CAPEHART, OF WATER VALLEY, MISSISSIPPI.

COLTER.

SPECIFICATION forming part of Letters Patent No. 263,112, dated August 22, 1882.

Application filed March 25, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS F. CAPEHART, a citizen of the United States, and a resident of Water Valley, in the county of Yalabusha and State of Mississippi, have invented a new and valuable Improvement in Plow-Colters; 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 side view of my improved colter, partly in section; and Fig. 2 is a front view of the plow-blade.

This invention has relation to colters for breaking sod and cutting roots; and it consists in forming an indentation in the plow-plate near its point and a rectangular hole at its heel portion, and in providing for engagement therewith a strong colter having a curved rear bearing-edge, a projection near its lower end, a shoulder-recess at its heel, and near the latter a threaded heel-arm extending to the rear and passing through the upper aperture in the plow-plate, and adapted to serve as a heel-bolt to connect both colter and plow-plate to the standard, all as hereinafter set forth.

In the accompanying drawings, the letter *a* designates the standard of a plow, to which the plow-plate or shovel *b* is to be attached. The plow-plate is formed with a rectangular aperture, *c*, at its upper or heel end, and with an indentation, *d*, in its front surface near the point *e*.

C indicates the colter, consisting of a strong blade of iron or steel, having a curved rear edge or bearing, *g*, and a sharp cutting-edge, *h*. Near the front end of the bearing-edge *g*, which is designed to fit the contour of the plow-plate, is formed a small projection or tooth, *k*, adapted to engage the indentation *d* of the plow-plate and prevent lateral displacement. The upper end of the colter is formed with a heel-recess, *m*, in rear, and a bearing-shoulder, *n*, designed to conform to a shoulder-

bearing at the lower part of the standard, whereby the colter will be, when secured to said standard, strongly braced for its work.

From the heel portion of the colter extends rearwardly a bolt-arm, *p*, having a squared shank, *s*, and threaded end *t*. This arm passes through the aperture *c* of the plow-plate and through the standard *a*, and is firmly secured in position by means of the nut *z*.

This colter attachment is designed to be very easily attached, and as it bears on the plow-plate from heel to point it serves to hold this plate to the ground. It will cut the sod with ease and neatness and without heavy draft. It will not get out of order, and is therefore very durable. When the edge is worn it can be easily detached for sharpening purposes.

A stock having ears at the angle thereof has been combined with a colter having a convex back and a right-angular arm projecting forward of the cutting-edge. A shovel having a vertical center groove and ribs has been combined with a colter secured thereto by bolts; and a colter provided at its top with an elongated screw-tenon which passes through the beam and at its bottom with a short screw-tenon which passes through the shovel is also old, and neither of these constructions is claimed broadly herein.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the plow-standard *a* and the plow-plate *b*, having the indentation *d* near its point and the heel-aperture *c*, of the colter *C*, its curved bearing-edge *g*, tooth *k*, shoulder-recess *m*, and bolt-arm *p*, extending through the plate and standard and secured by the nut *z*, substantially as specified.

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

THOMAS F. CAPEHART.

Witnesses:

JOB SPIKES,

M. D. L. STEPHENS.