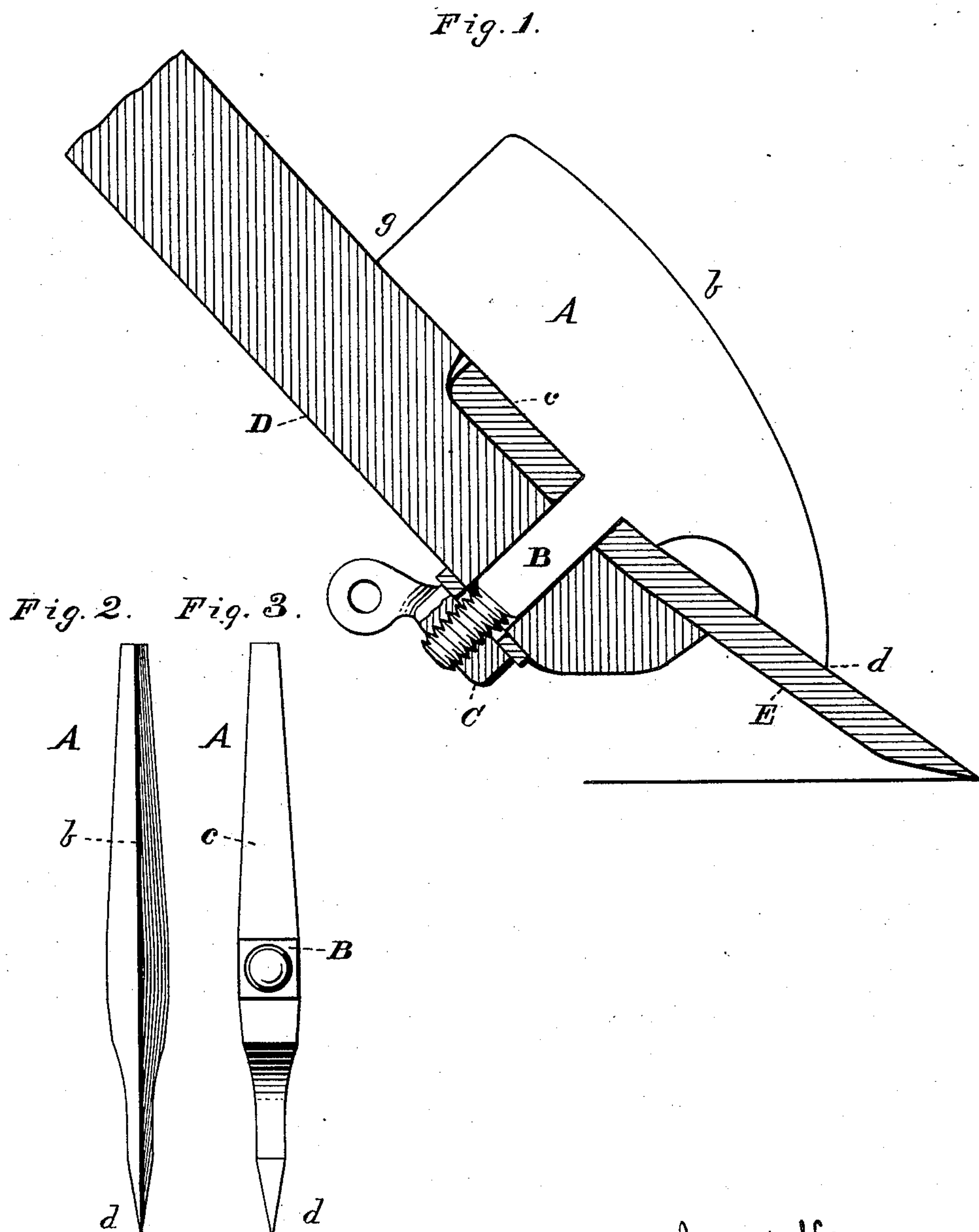


(No Model.)

J. NEWMON.
PLOW COLTER.

No. 424,897.

Patented Apr. 1, 1890.



James Newmon

Inventor

Witnesses

Villette Anderson,
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By his Attorney

E. W. Anderson.

UNITED STATES PATENT OFFICE.

JAMES NEWMON, OF SKIPPERVILLE, ALABAMA.

PLOW-COLTER.

SPECIFICATION forming part of Letters Patent No. 424,897, dated April 1, 1890.

Application filed October 31, 1889. Serial No. 328,797. (No model.)

To all whom it may concern:

Be it known that I, JAMES NEWMON, a citizen of the United States, and a resident of Skipperville, in the county of Dale and State of Alabama, have invented certain new and useful Improvements in Plow-Colters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation
15 of this invention and is a side view. Fig. 2 is a front view. Fig. 3 is a rear view.

This invention relates to colters for plows; and it consists in the novel construction and combination of parts, as hereinafter described,
20 and pointed out in the claim.

The object of the invention is to construct a colter for plows wherein the heel-pin shall be formed integral with the colter for secur-
25 ing the latter with the plowshare to the foot of the plow-stock.

In the accompanying drawings, the letter A indicates the colter, which is triangular in shape, having an upper curved cutting-edge *b* and a horizontal broad base *c*. The base *c* of
30 the colter is made broadest in its middle portion to afford a bearing for the heel-pin B, which extends in a rectangular form a certain distance from the colter to engage in a corresponding rectangular bearing through
35 the plowshare and the foot of the stock, as shown. The end of the heel-pin which projects through the rear of the plow-stock is threaded to engage a nut C for securing the plow and colter to the stock D. The sides of
40 the colter taper from the base to the cutting-edge upward, forward, and downward, the swell being in the middle and rear portion

near the heel-pin. The colter is secured vertically to the plowshare E, and its cutting-edge is curved from above downward, its extreme point *d* bearing upon the face of the shovel near its entering end. Above this bearing-point is an arched notch in the rear edge of the colter, which is designed to span any uneven or irregular portion of the surface of the
50 plow-plate, so that the point of the colter will bear firmly against said plate. The rear of the base *c*, which is secured to the shovel and plow-stock by the heel-pin, projects beyond the rear of the shovel, as at *g*, and rests against the
55 upper surface of the plow-stock, so that an effective support is afforded. It will be observed that by the disposition of the colter with its broad base resting upon the plowshare and the plow-stock, the assembled parts
60 being bound together by a single substantial fastening and mutually supporting each other, it is eminently fitted to operate in cutting through such obstructions as roots and weeds without straining one part more than another.
65

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

The colter for plows of the form shown and described, having a swell in its middle rear portion, from which it tapers forward and
70 downward to its curved cutting-edge, the bearing-point at the lower end of said cutting-edge, the notch in the rear edge above said bearing-point, and the heel pin or bolt, in combination with and securing a shovel to a plow-
75 standard, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES ^{his} × NEWMON.
mark

Witnesses:

W. P. WINDHAM,
NOAH CARROLL.