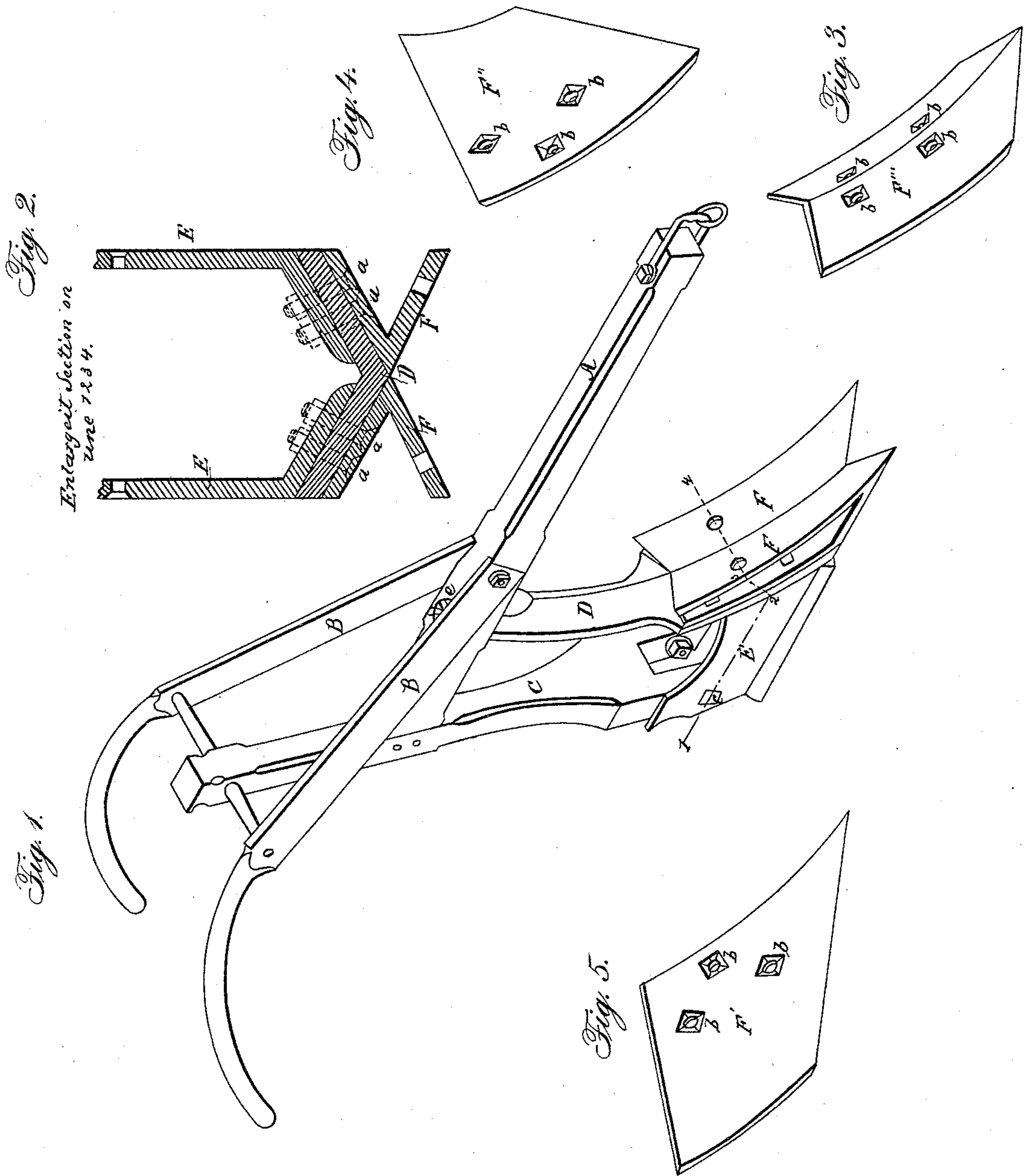


B. R. HOOD.

Shovel-Plow.

No. 25,738.

Patented Oct. 11, 1859.



Witnesses:

R. D. Moseley
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Inventor:

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UNITED STATES PATENT OFFICE.

BOLD R. HOOD, OF CLINTON, NORTH CAROLINA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 25,738, dated October 11, 1859.

To all whom it may concern:

Be it known that I, BOLD R. HOOD, of Clinton, in the county of Sampson, in the State of North Carolina, have invented new and useful Improvements in Combination Plows; and I do declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification in which—

Figure 1 represents a perspective view of a plow constructed according to my improved plan, showing the points F F applied thereto. Fig. 2 is an enlarged section on the line marked 1, 2, 3, and 4 of Fig. 1. Figs. 3, 4, and 5 show various constructions of shovel-points and mold-boards which may be substituted for points F.

The same letters of reference, wherever they occur in the several figures, denote like parts of the plow in all of them.

My invention consists in the manner in which I construct the standard for the purpose of making said standard susceptible of receiving the several changes of shovel-points and mold-boards which are ordinarily used on a farm, and even a harrow, thus making one stocked standard serve the purpose of holding the several varieties of plow-points and mold-boards used, substantially as hereinafter described.

To enable others skilled in the construction of plows to make and use my invention, I will proceed to describe the same with reference to the drawings.

A is the ordinary straight cultivator-plow beam of the common shovel-plow.

B B represent the handles.

C and D are the standards, to which are secured the landsides, mold-boards, and shovel-points. The standard C is forked at the bottom the more readily to secure the landsides E, which are of the angular form shown in Fig. 2. The standard D is of the angular form shown in Fig. 2, and is secured to the land-side E by the same bolts which are used for attaching the shovel-points and mold-boards.

a a are bolts for securing the points to the standard D and landside E.

b b are the holes through which the bolts a a pass in order to secure the shovel-points and mold-boards to the standard D. The heads of these bolts are countersunk, so that the

shovel-points or mold-boards, when either or any are applied, will present an even surface.

c c are the bolts which secure the landsides to the bottom of the forked standard C. These bolts are also countersunk, so as to present a smooth surface on the outside, and are secured on the inside of the bottom of the forked standard by means of nuts, which are never to be unscrewed unless to put on others in their places.

The standard D is the more thoroughly secured to beam A and landsides E by means of a wrought-iron rod or spindle, which is secured to the landsides by a bolt, and said rod or spindle runs up behind the said standard from the foot of the landsides to the beam A, through which it passes, and is secured on the top of the said beam by means of a nut firmly screwed down upon the end of the rod or spindle. The upper end or top of standard D is further strengthened and secured by being mortised snugly in the beam A, thereby forming a complete combination with the beam A, standard C, and landsides E, so as to render the whole a permanent structure.

F F' F'' F''' show different constructions of shovel-points and mold-boards, so made as to be readily applied to the construction of stock herein shown and described. The points F F are of the angular or V form shown in Fig. 2 forming, when the two are applied, a shovel or scoop, which may be used as a potato plow or digger.

I will now proceed to show how the different shovel-points and mold-boards may be put on and changed, as the standard D is so constructed and arranged as to receive upon it every variety of shovel-points and mold-boards—right or left or double-turning plow-point—without changing the stock.

By unscrewing the bolts a a either one of the shovel-points marked F F may be removed as circumstances may require, and either one of the mold-boards marked F' F'' adjusted upon the standard D, and secured by the same bolts, a a, which pass through the said standard D and landsides E, thus at option making a right or left handed furrow, and by removing both shovel-points marked F and substituting the shovel-point F''' it will give the double-turning plow.

It is obvious that the various forms of shovel-

points or mold-boards in common use may be readily substituted for those shown, and that a single plow constructed according to my improvement may be made to perform all the varieties of work which is performed by the various forms and constructions of plow now in use, by merely attaching such form of shovel-point or mold-board as the nature of the work may require, thus effecting a great saving in the expense to the farmer, one stock as constructed by me answering the purpose of several constructed according to the ordinary plan.

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

The combination of the standard D with the standard C and landsides E, when these parts are constructed as described, and adapted to receive the various forms of shovel-points and mold-boards in use, in the manner described, for the purpose specified.

BOLD R. HOOD.

Witnesses:

R. D. MOSELEY,

ABNER A. MOSELEY.