

A. TAYLOR.

Plow.

No. 3,864.

Patented Dec. 19, 1844.

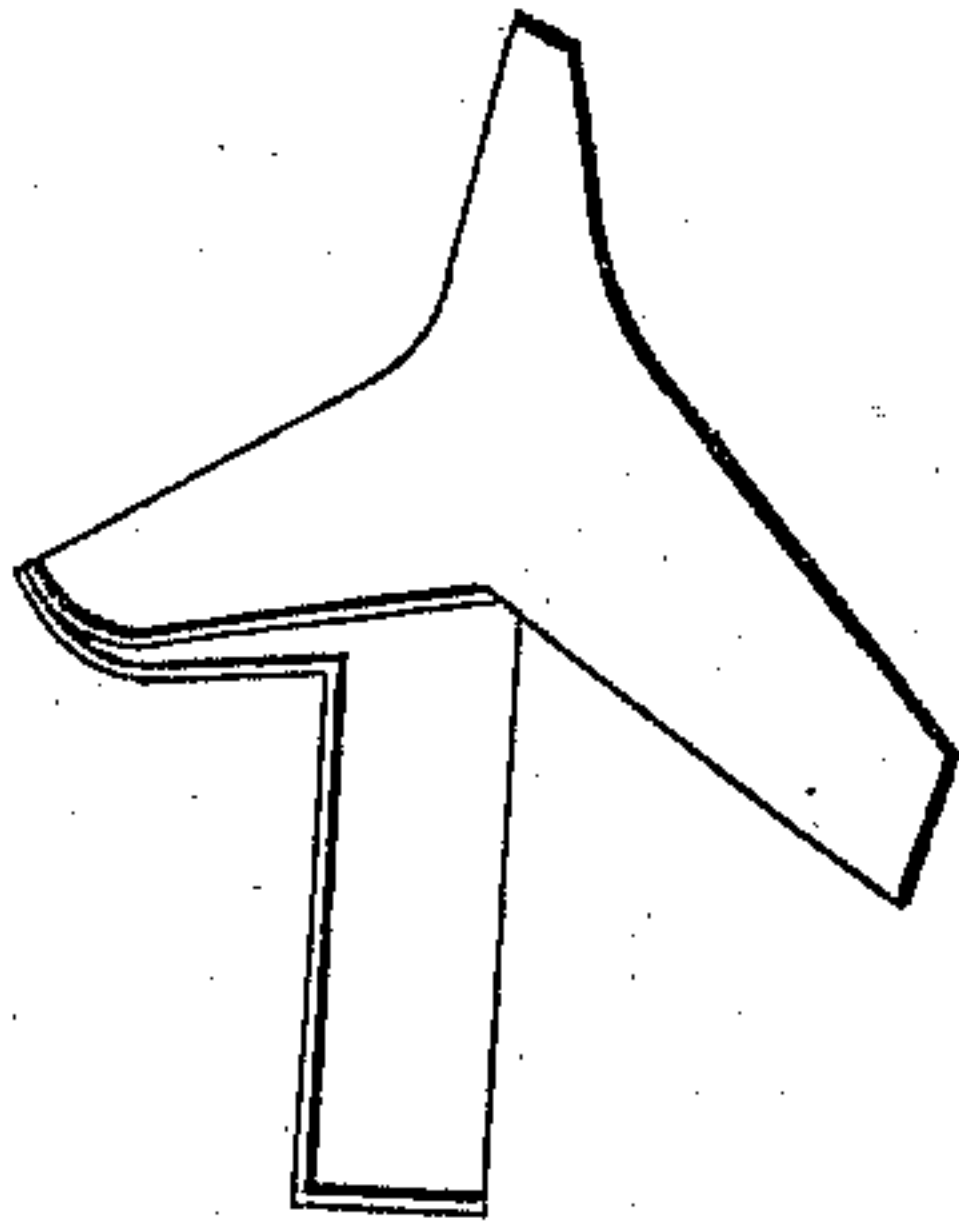


Fig. 2.

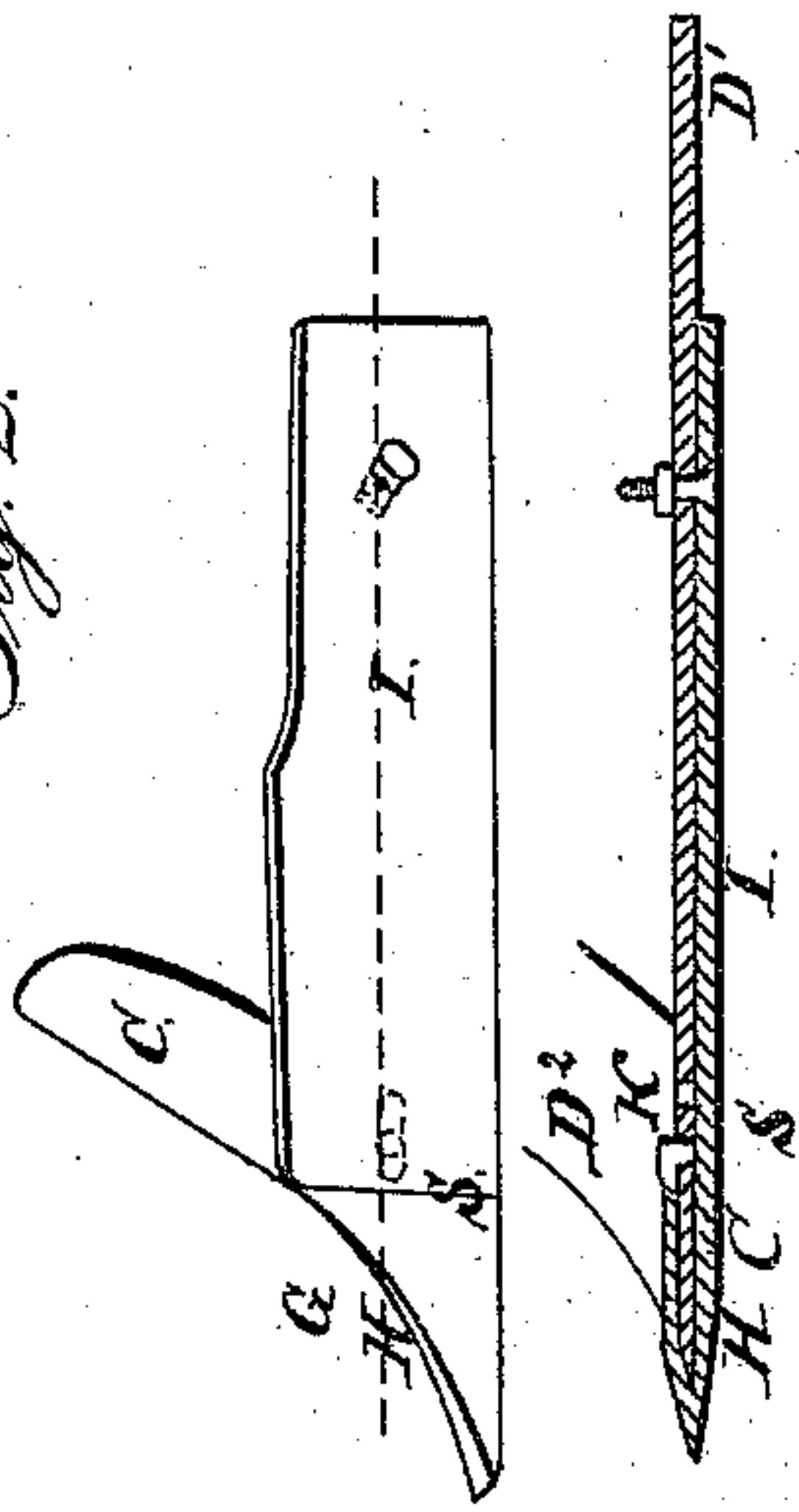


Fig. 3.



Fig. 4.

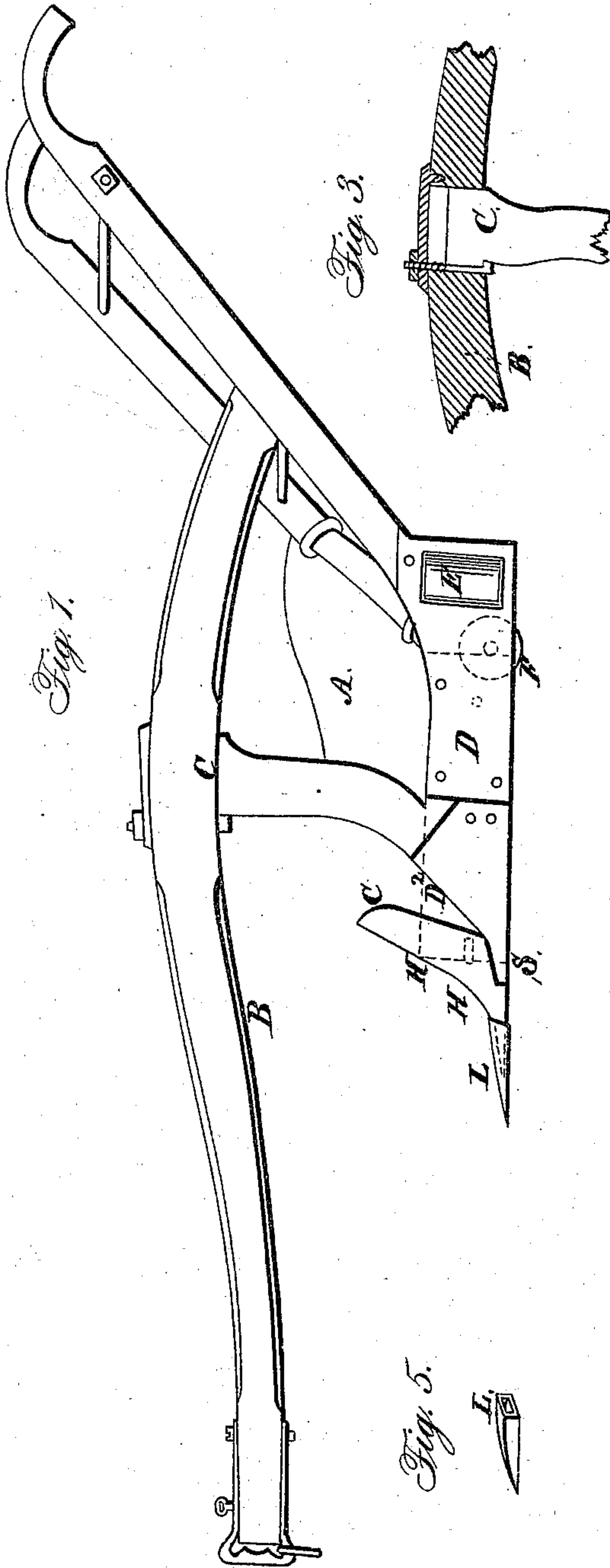


Fig. 5.

Fig. 6.



UNITED STATES PATENT OFFICE.

ANTHONY TAYLOR, OF GREENFORD, OHIO.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 3,864, dated December 19, 1844.

To all whom it may concern:

Be it known that I, ANTHONY TAYLOR, of Greenford, in the county of Columbiana and State of Ohio, have invented a new and useful Improvement in Cast-Iron Plows, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a side elevation of the plow. Fig. 2 is a perspective view of the false land-bar I and cutter C. Fig. 3 is a section through the beam, showing the manner of fastening the neck of the plow to the beam. Fig. 4 is a section of a plate of iron forming the shoe H. Fig. 5 is a perspective view of the socket-point L.

Similar letters in the several figures refer to corresponding parts.

The mold-board A of this plow is secured to the right handle in the usual manner, and to the beam B by a neck, C, which extends through a mortise formed in the beam, being secured therein by a screw and nut, by which the beam is raised and lowered to alter the draft of the plow, as may be required.

The landside D is secured to the share D² by a bolt passing through the front part of the mold-board, and through a bar welded or bolted to the landside and riveted on the outside, or in the most convenient manner. The other end of the landside is attached to the left handle in the usual manner.

Two small rollers, E F, are attached to the landside, one in front and the other under the lower end of the handle. The one marked E, under the end of the handle, is arranged in a vertical position in a mortise made in the landside, and turns in ears formed on the inside of the landside, and extends from the bottom of said landside to the top thereof, projecting about one-half an inch beyond the outside of the landside. The object of this roller is to prevent friction by keeping the main body of the landside of the plow from touching the side of the furrow. The second roller, F, is arranged in a horizontal position inside the landside, and turns on the bottom of the furrow to prevent the lower edges of the landside and mold-board from touching the earth, except at their points, the space between their points and the roller being entirely free from contact with it. Both

rollers may be provided with scrapers to prevent the earth adhering to their surfaces.

Although the plow above described is composed of cast-iron, yet by substituting a wrought-iron share with its attachments in place of the cast-iron share it can be made to possess all the advantages of a wrought-iron plow, in which case a shoe or covering, H, of boiler-iron is welded to the lower part of the cutter C of the wrought-iron share D², for the purpose of strengthening and rendering the same more durable, which shoe projects about one-half an inch on the landside of the cutter, so as to form a shoulder, s, against which the end of a false land-bar, I, rests, and consists of a plate of boiler-iron of the form represented in Fig. 4, which is heated and welded around the lower part of the cutter C, as represented in Fig. 2.

The false land-bar I is placed on the outside of the landside of the plow, and is secured to the plow at its front end by a hook, K, as represented in Fig. 2, and by dotted lines in Fig. 1, which passes through a slot formed in the cutter C, and at its opposite end by a bolt and nut. When the above-mentioned wrought-iron shoe or covering H on the lower part of the cutter C and false land-bar I become partially worn, they can be replaced at a trifling expense.

When the point of the wrought-iron share becomes dull or worn from long use a socket-point or shoe, L, is fitted thereto. It is composed of wrought-iron, and corresponds in form with the point of the plow, and has a socket or mortise made in it of the required form to admit said plow-point. This socket-point L is driven on the point of the plow while in a heated state.

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

1. The use of the shoe or socket-point L, made as aforesaid, in combination with the before-described plow.

2. I do not claim an additional or false land-bar, but the mode herein described of strengthening the share by means of the extra land-bar I, by which I am enabled in my plow to use wrought-iron shares.

ANTHONY TAYLOR.

Witnesses:

EDM. MAHER,
CHARLES F. BEVERLY.