

J. Pierpont,

Plow Fastening.

No. 99702.

Patented Feb. 8. 1870.

Fig. 1.

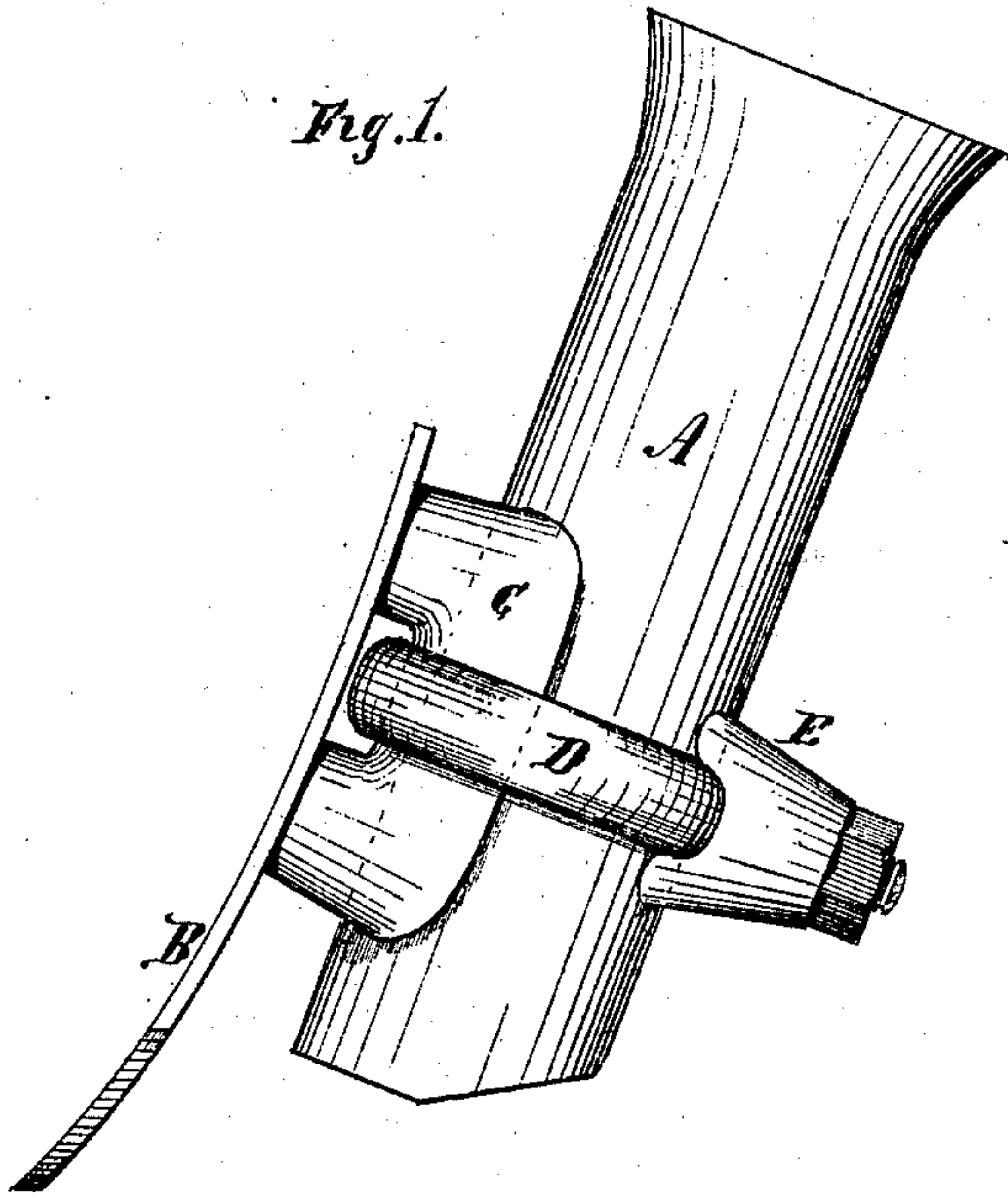
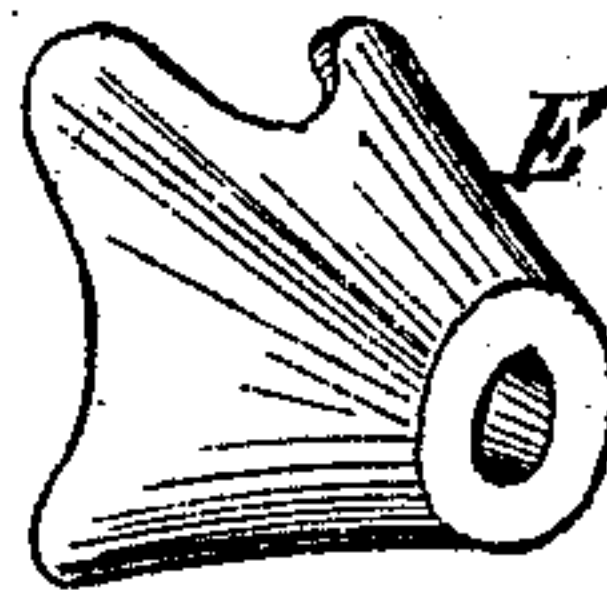
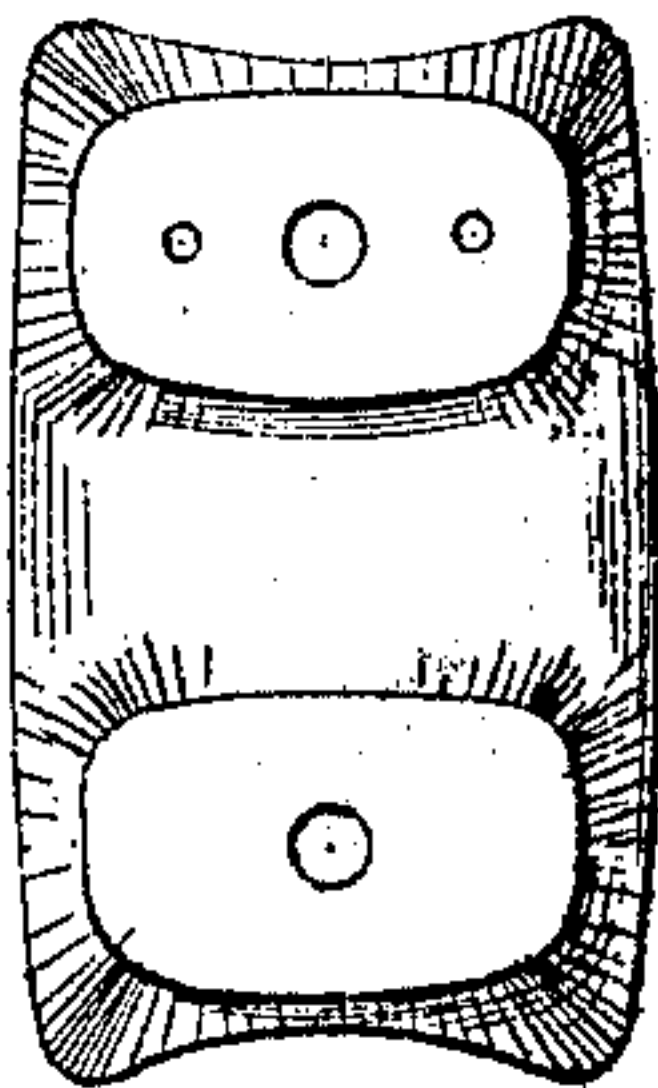
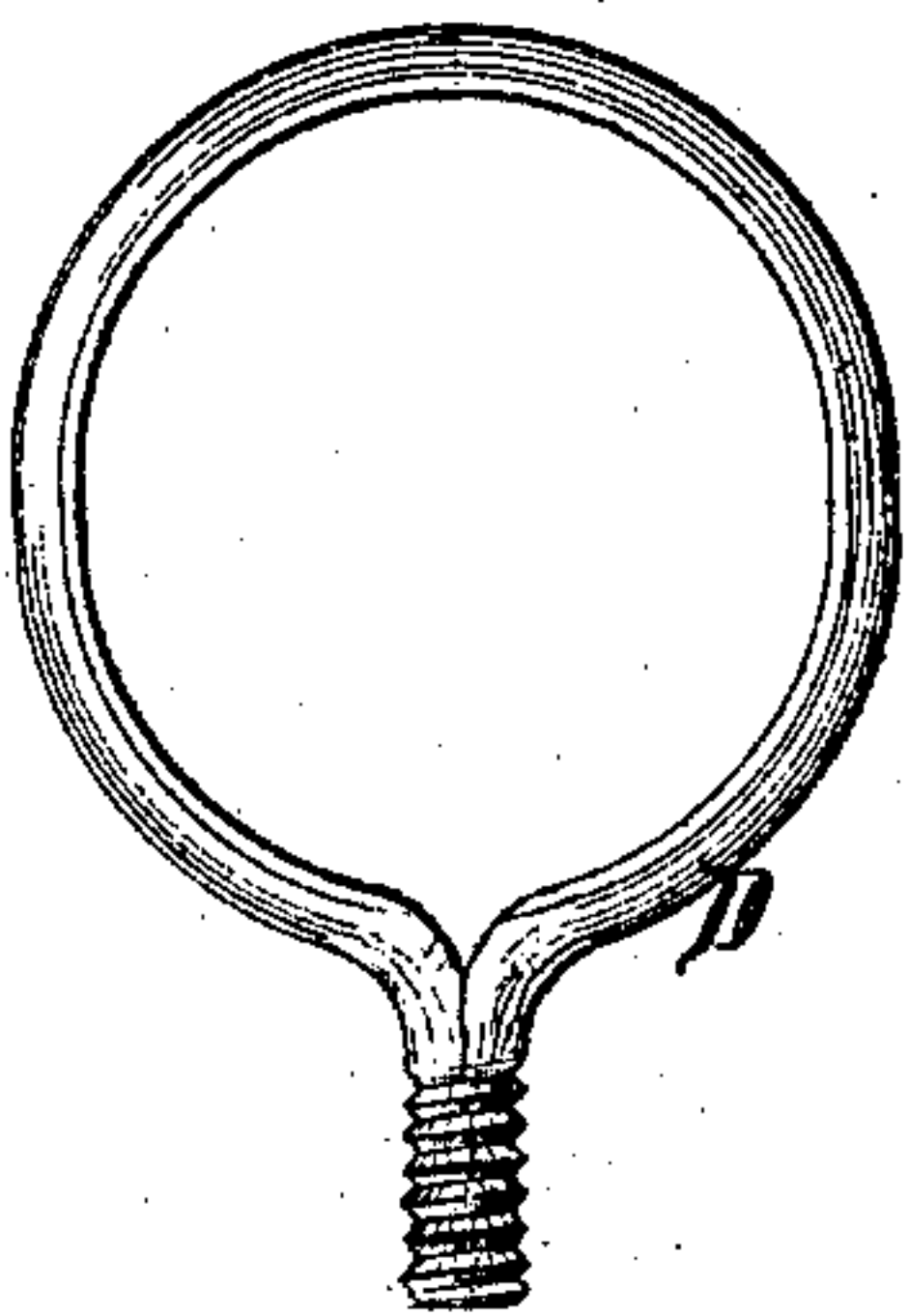


Fig. 2.



Witnesses.

Charles Ketter
Gohn Spung

Inventor

Joshua Pierpont

UNITED STATES PATENT OFFICE.

JOSHUA PIERPONT, OF LA HARPE, ILLINOIS, ASSIGNOR TO HIMSELF AND
SIDNEY S. TUTTLE, OF SAME PLACE.

IMPROVEMENT IN DEVICES FOR SECURING SHOVELS AND PLOWSHARES TO STANDARDS.

Specification forming part of Letters Patent No. **99,702**, dated February 8, 1870.

To all whom it may concern:

Be it known that I, JOSHUA PIERPONT, of La Harpe, county of Hancock, and State of Illinois, have invented a new and Improved Mode of Fastening Shovels or Plows to Uprights or Standards; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The invention relates to an improvement in the mode of attaching or fastening shovels or plows to standards; and it consists of a cast-iron or other metal block, and wrought-iron or other metal ring, and a cast-iron or other metal thimble in such combination as to effect the object sought, and combines simplicity, utility, and durability, as hereinafter described.

Figure 1 is a side view of my improvement in shovel-fastenings in proper and combined position, showing the manner in which the shovel is held to the standard. Fig. 2 is a view of the block, ring, and thimble separately, showing their form and their adaptability to a successful combination.

The drawings represent a cultivator-standard, A, shovel-block C, shovel B, ring D, and thimble E. The shovel-block C is made concave on one side, to fit the round standard A. On the opposite side are two flat places with rivet-holes therein, where the shovel B is riveted. On the outside of the block C, across the center, is a recess to fit and admit the ring D between the shovel B and the block C. The ring D is of wrought-iron, and flat on its inner surface, the more effectually to fit the recess in the block C, and made round on its outer surface, to be more readily welded and leave or form a round neck or shank, upon which a thread is cut and a nut fitted. The thimble E is made bell-shaped, and its large end is made in a concave-circle shape, two ways, at right angles. The larger concaves are for the pur-

pose of fitting upon the round standard A when placed in position over the shank of the ring D. The smaller concaves are for the purpose of preventing the thimble E from pressing upon the ring D when placed in position, and forced down upon the standard A with the nut. The thimble E is cast hollow, with a hole through the small end to admit the shank of the ring D. These parts are used properly by placing the ring D around and in the recess in the block C, and placing the thimble E upon the shank of the ring D, and inserting the standard A between these parts, the block C being upon the opposite side of the ring D upon its shank, upon which the thimble E is then placed, and the nut turned down until the thimble E presses upon the standard A, and the parts are all held firm.

By loosening the nut on the ring D in Fig. 1, the shovel can be raised or lowered to plow shallow or deep, and can be turned to throw dirt to or from the row of plants, and can be quickly and firmly fastened by this device in any desired position.

The standard A can be made smaller and lighter by this device, as no holes need be bored through it, thus weakening it, to fasten the shovel B thereon with bolts, as is the usual custom.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The iron or metal ring D, with shank, thread, and nut, or their equivalents, in connection and combination with the iron or metal thimble E, constructed and operated as and for the purpose herein described.

The above specification of my invention signed by me this 9th day of July, 1869.

JOSHUA PIERPONT.

Witnesses:

CHARLES KETTER,
JOHN SPERRY.