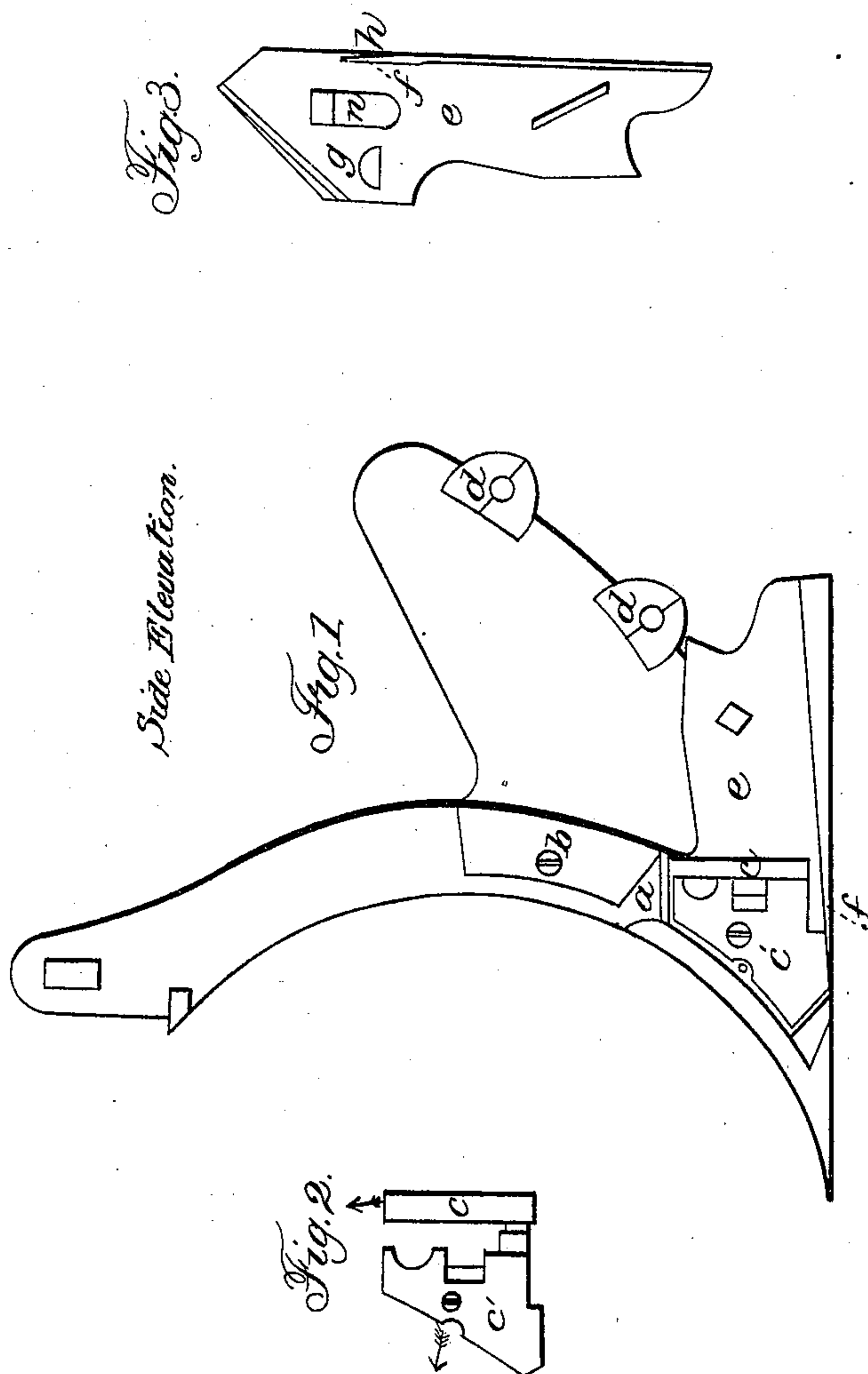


B. F. AVERY.

Plow.

No. 14,044.

Patented Jan 8, 1856.



UNITED STATES PATENT OFFICE.

B. F. AVERY, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 14,044, dated January 8, 1856.

To all whom it may concern:

Be it known that I, BENJ. F. AVERY, of the city of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and Improved Lock or Joint Connecting the Mold-Board and Landside of a Plow, also a new method of attaching the mold-board handle to the mold-board; 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.

In my description of my lock the plow consists of three pieces of cast-iron—viz., the mold-board, the landside, and the share or point. That part of the mold-board which is covered by the front end of the landside and parallel with it is called the "short landside." It is represented in Figure 1 by the red lines, and is a part of and cast solid to the mold-board. It is recessed or sunk below the general surface of the landside part of the plow the thickness of the landside, so that when the landside rests in its place upon it that side of the plow presents an even unbroken surface.

In the short landside are cast two openings. One, Fig. 1, is a \square -shaped hole near its top, marked *g*. The other is rectangular near its center. Its lower or bottom edge is cut off, throwing the shoulder *f*, Fig. 1, in front of the openings.

Fig. 3 is a drawing of the inside of the land-

side, having its \square -shaped projection to fit into the corresponding opening in the short landside, its strong hook *n* turning backward toward the heel of the landside, and intended to pass through the right-angled opening in the short landside, and to grasp snugly the heavy bar *c*, which forms the back part of the same, the inner or under side of which bar is made to correspond in form to the curve of the hook *n*. The flange *h* in Fig. 3 has its shoulder *f* to fit into the bottom part of the short landside, which has been cut away for that purpose, as shown by *f*, Fig. 1. The landside, when in place, covers entirely the short landside. This constitutes my lock or joint.

The mold-board, with this lock and these lugs, can be molded safely and rapidly in a one-part flask. The lock never gets loose by using the plow.

I claim—

1. The lock-joint for holding the landside to the short landside and mold-board, the same consisting, mainly, of \square -shaped projection *g*, hook *n*, and flange *h* and their counterparts in the short landside.

2. The ears or lugs *d d*, cast on the inside of the mold-board for the purpose of fastening the mold-board handle.

BENJ. F. AVERY.

Witnesses:

WM. L. P. WIARD,
P. N. SCOTT.