

W. JARRELL.

Plow.

No. { 168, }
31,172. }

Patented Jan. 22. 1861.

Fig. 2.

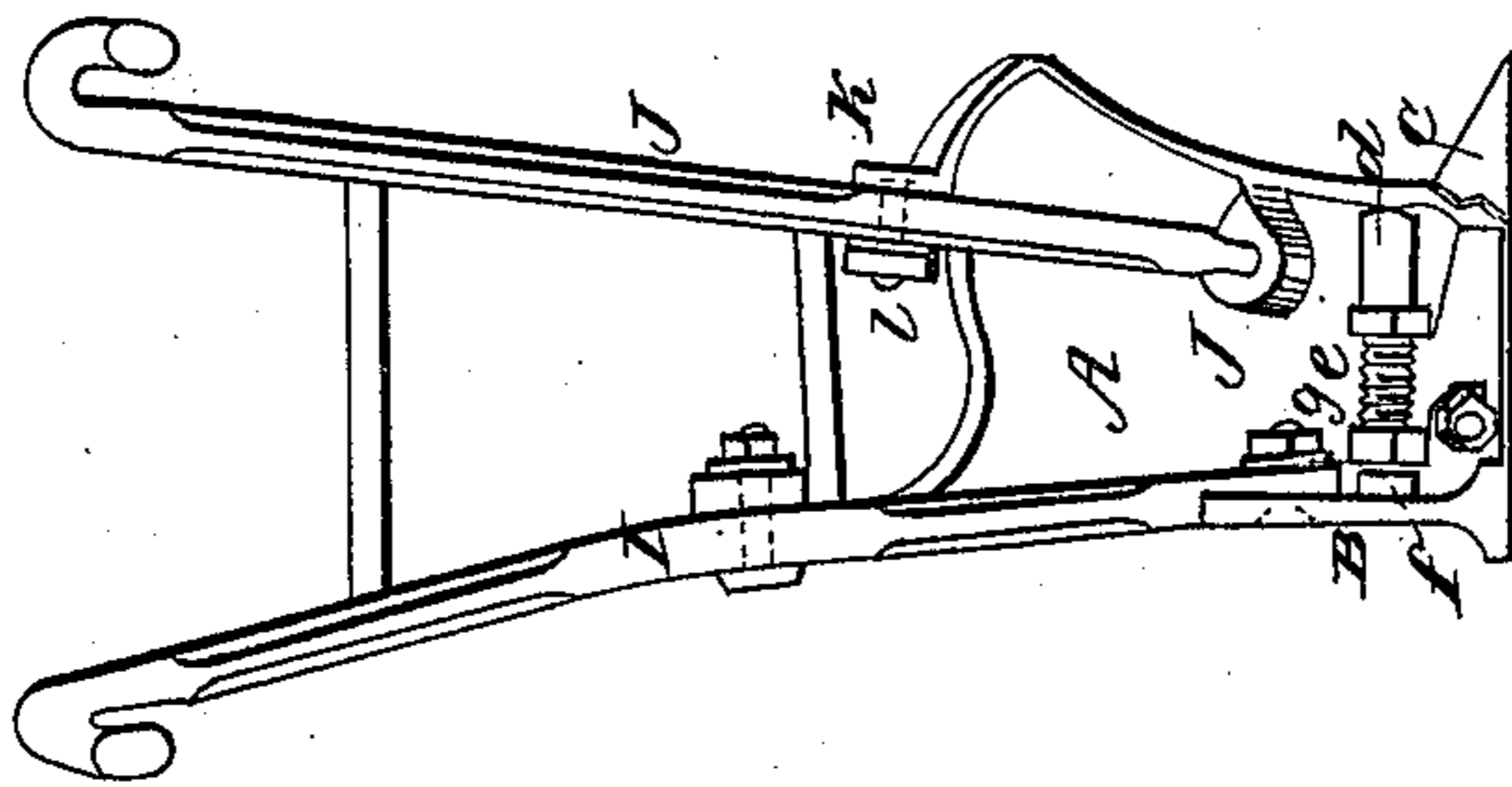


Fig. 1.

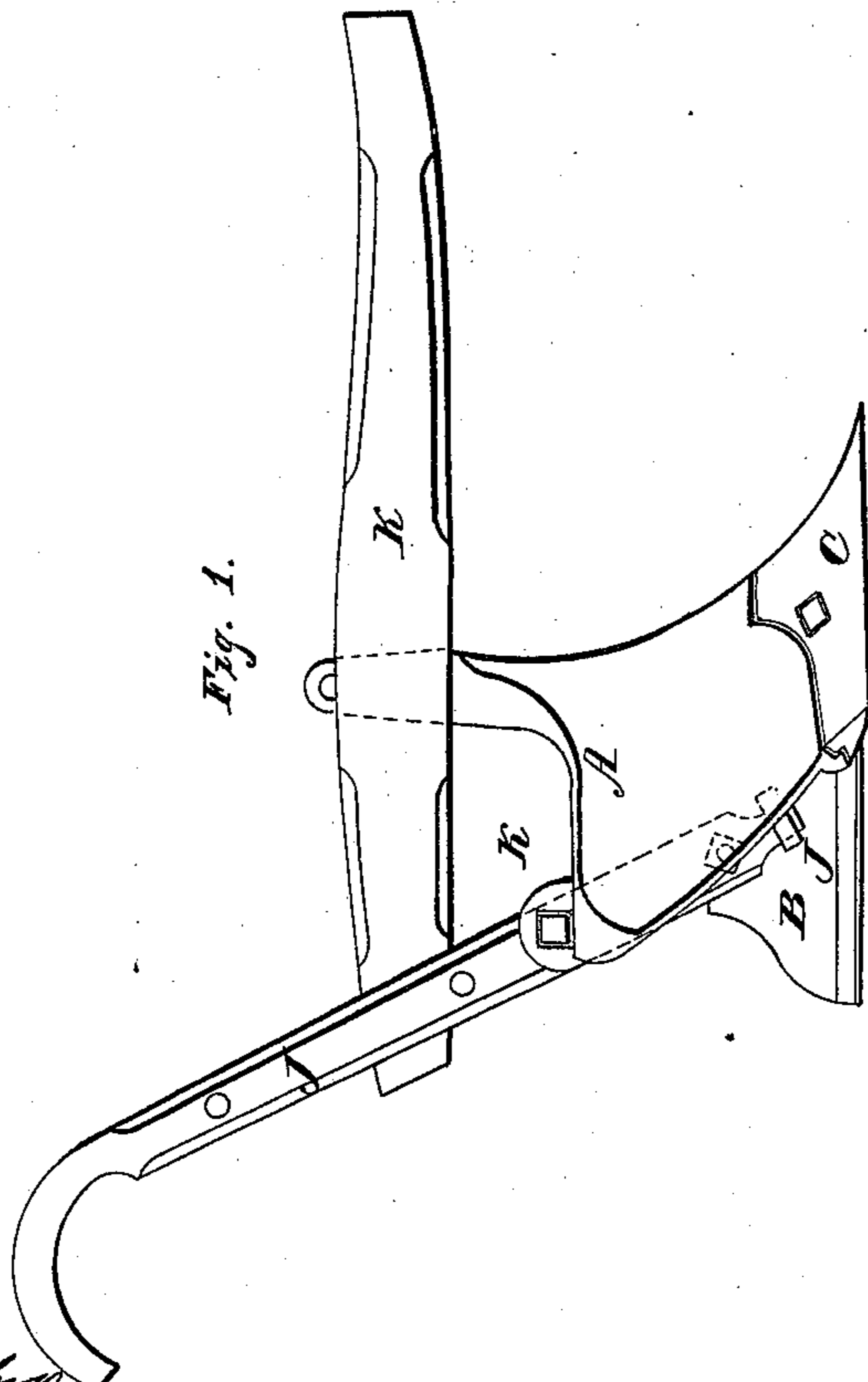
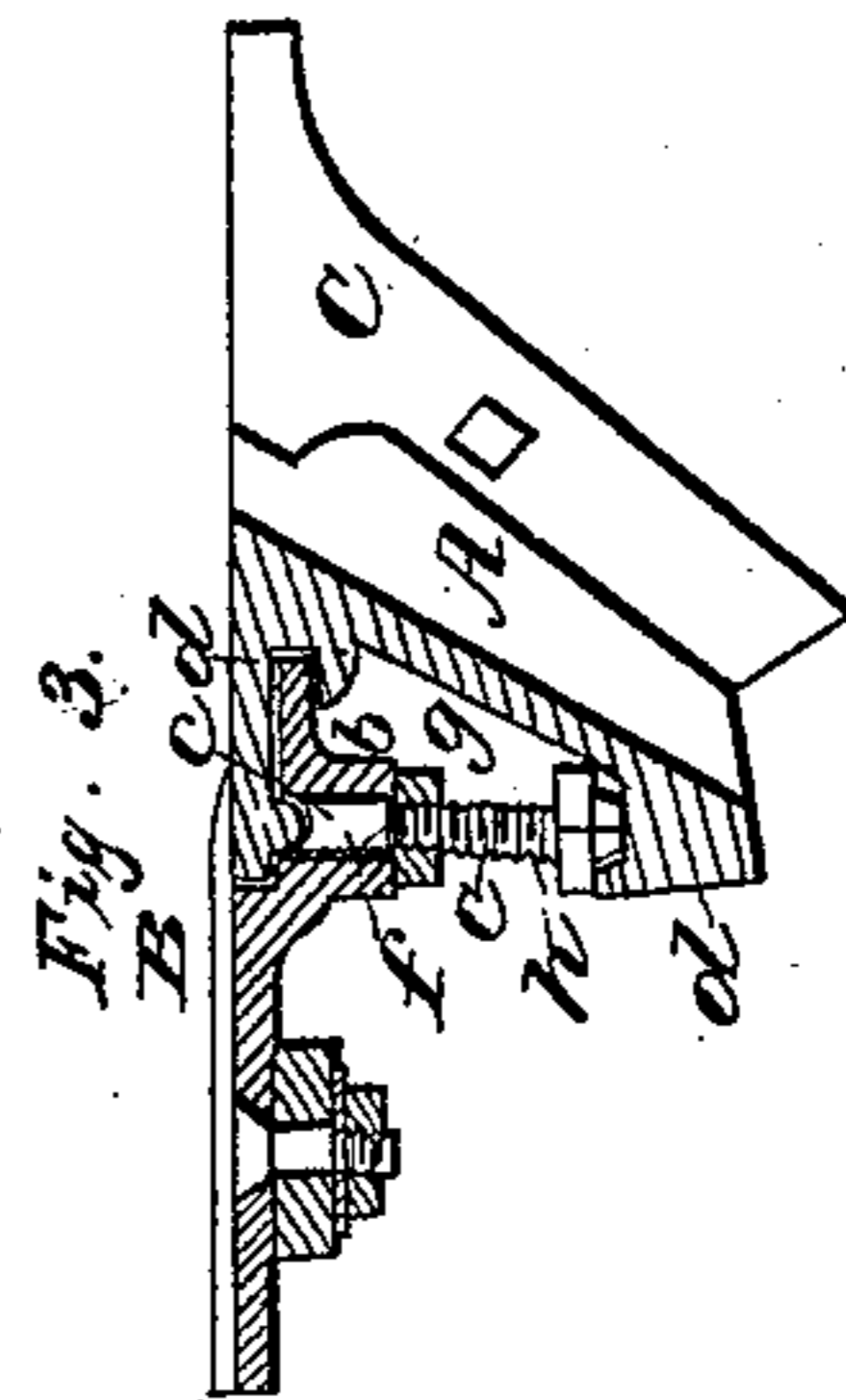


Fig. 3.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM JARRELL, OF TRENTON, TENNESSEE.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **31,172**, dated January 22, 1861.

To all whom it may concern:

Be it known that I, WILLIAM JARRELL, of Trenton, in the county of Gibson and State of Tennessee, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side view of the plow. Fig. 2 is a rear view. Fig. 3 is a horizontal section at *x x*.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in an improved arrangement of devices for securing the land-side.

The metallic portion of the plow is made up of a mold-board and standard, A, cast in one piece, a separate landside, B, and a share, C. The landside is secured in position by the following means:

b is a projection from the landside, extending forward on the inside and engaging under a lug, *a*, on the mold-board, thus securing the landside against lateral motion outwardly, while a shoulder, *c*, prevents its motion rearward.

d is a square socket on the inside of the mold-board, receiving the square end of a screw-bolt, *e*, the threaded end of which passes loosely into a socket, *f*, on the inside of the landside.

g is a screw-nut working upon the bolt *e*.

h is a square upon the bolt *e*, adapted, in connection with a wrench or with suitable projections from the inner face of the mold-board, to keep the bolt from turning. By this means the squaring of the socket *d* and the end of the bolt which fits into it may be dispensed with, if desired.

To secure the landside it is first placed in position and the bolt *e* then inserted, first in the socket *f* and next in the socket *d*, and the

nut *g* turned firmly against the face of the socket *f*.

The left handle I is bolted to the landside B and beam K in customary manner.

The provision for attaching the right handle J is as follows:

j is a loop, cast on the inside of the mold-board to receive the lower end of the handle.

k is an ear, cast upon and projecting upward from the upper corner of the mold-board, somewhat in the rear of the working-face, and in a suitable position for the handle J to lie against its inner face. A square hole is cast in the ear *k* to receive a bolt, which passes through the handle and is secured by a nut, *l*.

The benefits of this device are ease of casting and the great facility afforded for applying the bolt and nut without passing the former through the working-face of the mold-board.

I am aware that a plow-handle has been previously secured by means of bolts passing through lugs on the inside of the mold-board, and do not wish to be understood as claiming such, a distinguishing feature of my invention being that the ear to which the handle is secured projects upward, so as to permit the insertion of the bolt without difficulty, at the same time that it is kept clear of the working-face of the mold-board.

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

The combination of the landside B, sockets *d* and *f*, bolt *e*, and nut *g*, constructed, arranged, and operating in the manner and for the purposes set forth.

The above specification of my improvements in plows signed this 28th day of November, 1860.

Witnesses: WILLIAM JARRELL.
OCTAVIUS KNIGHT,
L. W. BENDRE.