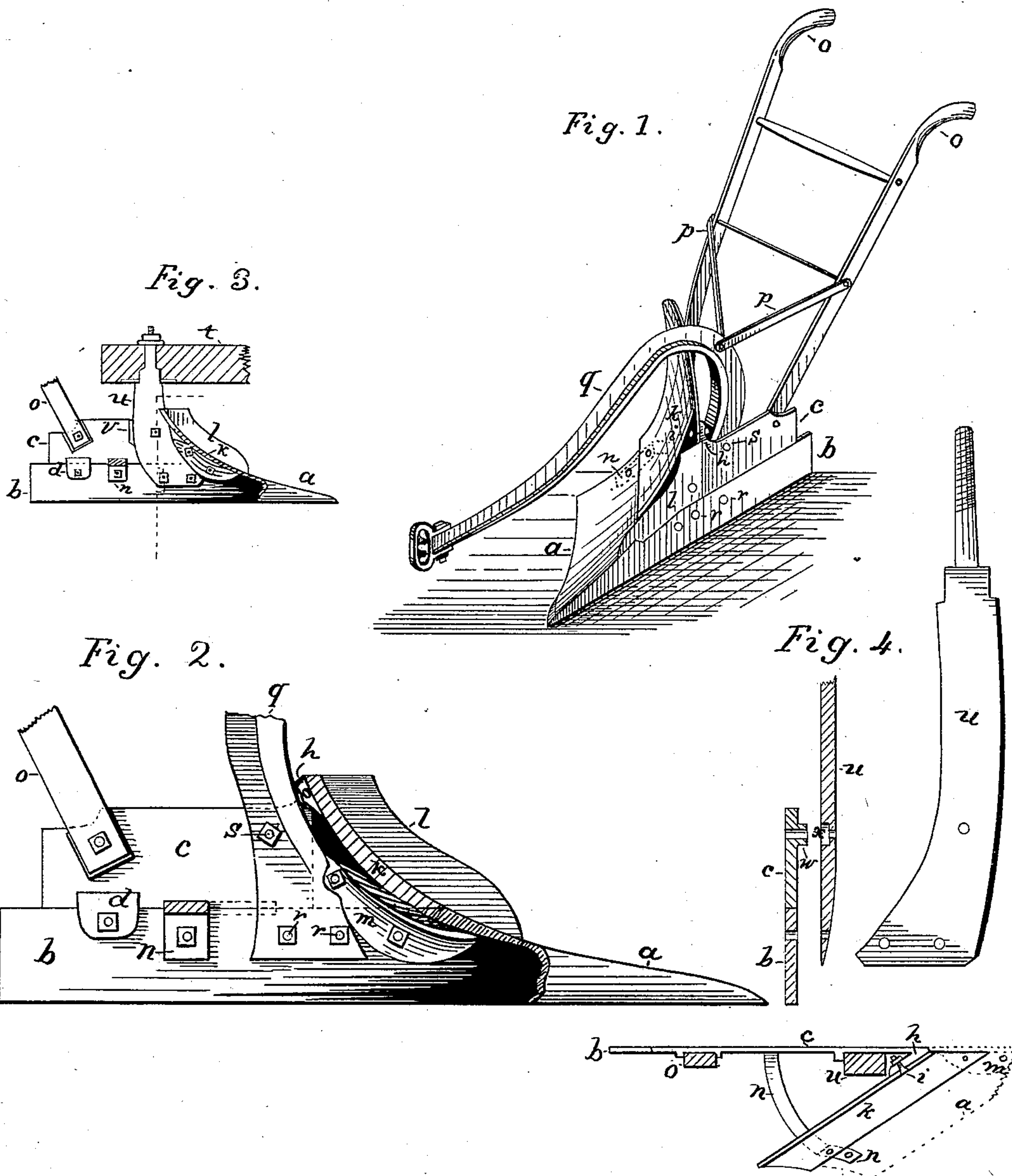


(Model.)

J. GEORGE.
PLOW.

No. 254,634.

Patented Mar. 7, 1882.



WITNESSES:

Thos. Houghton.

W. Read

INVENTOR:

Joseph George

BY

Wm. L. C.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH GEORGE, OF FAYETTEVILLE, ARKANSAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 254,634, dated March 7, 1882.

Application filed August 3, 1881. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH GEORGE, of Fayetteville, in the county of Washington and State of Arkansas, have invented a new and useful Improvement 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 accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved plow, and Figs. 2, 3, and 4 are detail views.

My invention relates to improvements in plows; and it consists in the peculiar construction and arrangement of the parts, as hereinafter more fully set forth.

In the accompanying drawings, *a* represents the share, and *b* the share-bar, of a plow, made in one piece:

c represents the landside of my plow, having a lug, *d*, secured to its inner face, which lug *d* projects below the lower edge of the landside, and is bolted to the share-bar *b*, whereby the landside and share-bar are securely attached to each other. The forward upper end of the landside is bent angularly to the plane of the landside, so as to form a wing or projection, *h*, through which and the mold-board *k* a bolt, *i*, passes, thereby securing the landside to the mold-board.

l represents the colter, which forms a continuation of the landside, and projects beyond the mold-board, and is provided with a front cutting-edge. The rear vertical edge of the colter *l* abuts against the front vertical edge of the landside, and is bolted to an angular plate, *m*, inserted in the angle between the mold-board and share and the colter and share-bar, and bolted thereto. The lower edge of the colter is made to conform to that part of the upper edge of share-bar and share on which it fits.

n represents a brace having bent ends, one of which is bolted to the inner face of the share-bar *b*, and the opposite bent end of the brace *n* is bolted to the inner faces of the mold-board and share.

o o represent plow-handles, of the usual construction, connected together by rounds, the lower end of one of which is bolted to the inner face of the landside, and the lower end of

the other handle is bolted to the inner face of the mold-board in the usual manner.

p p represent braces extending from the plow-handles to the beam.

q represents a steel plow-beam, T-shaped in cross-section, and curved near its rear end, as shown, so as to form a plow-standard, and flattened out near its lower end, and bolted to the share-bar by the bolts *r r*.

s represents a bolt passing through the landside and the web of the T-shaped plow-beam, whereby the landside is securely attached to the beam.

It will be seen that by this construction the several parts of the plow are securely attached to each other, and that the arrangement is compact, the lower part of the plow-beam abutting against the wing *h* of the landside, and serving as a brace to resist pressure on the mold-board in the operation of the plow.

In lieu of a curved steel beam, as described, an ordinary wooden beam may be employed without departing from the spirit of my invention.

In case of the employment of a wooden beam, *t*, in lieu of the steel beam, I use a standard, *u*, the upper end of which passes through the plow-beam and is secured thereto. The lower end of the standard *u* is provided with holes for the passage of bolts through it and the share-bar, by means of which the standard is attached to the share-bar. The inner face of the landside *c* is provided with a lug, *v*, which abuts against the rear edge of the standard *u* to hold it in position, and the inner face of the landside *c* is also provided with a boss, *w*, adapted to fit in a circular recess, *x*, in the outer face of the standard *u*. A central hole is made through the boss *w* and through the center of the circular recess *x* in the standard, for the passage of a bolt through the landside and standard, securing them together, the boss and recess engaging with each other, and preventing any sliding movement of the standard on the landside.

Having thus described my invention, what I claim as new is—

1. The combination, with the share *a* and share-bar *b*, made in one piece, and mold-board *k*, of the landside *c*, having the wing *h*,

and a plow-standard secured to the share-bar and landside, and abutting against the wing *h*, substantially as described.

2. The combination of the share *a* and share-
5 bar *b*, made in one piece, mold-board *k*, land-
side *c*, provided with the wing *h*, and boss *w*,
having a central hole, standard *u*, provided
with a circular recess, *x*, having a central hole,

and beam *t*, substantially as described, and
for the purpose set forth. 10

The above specification of my invention
signed by me this 23d day of July, 1881.

JOSEPH GEORGE.

Witnesses:

HENRY KAISER,

ALEXANDER HENDRY.