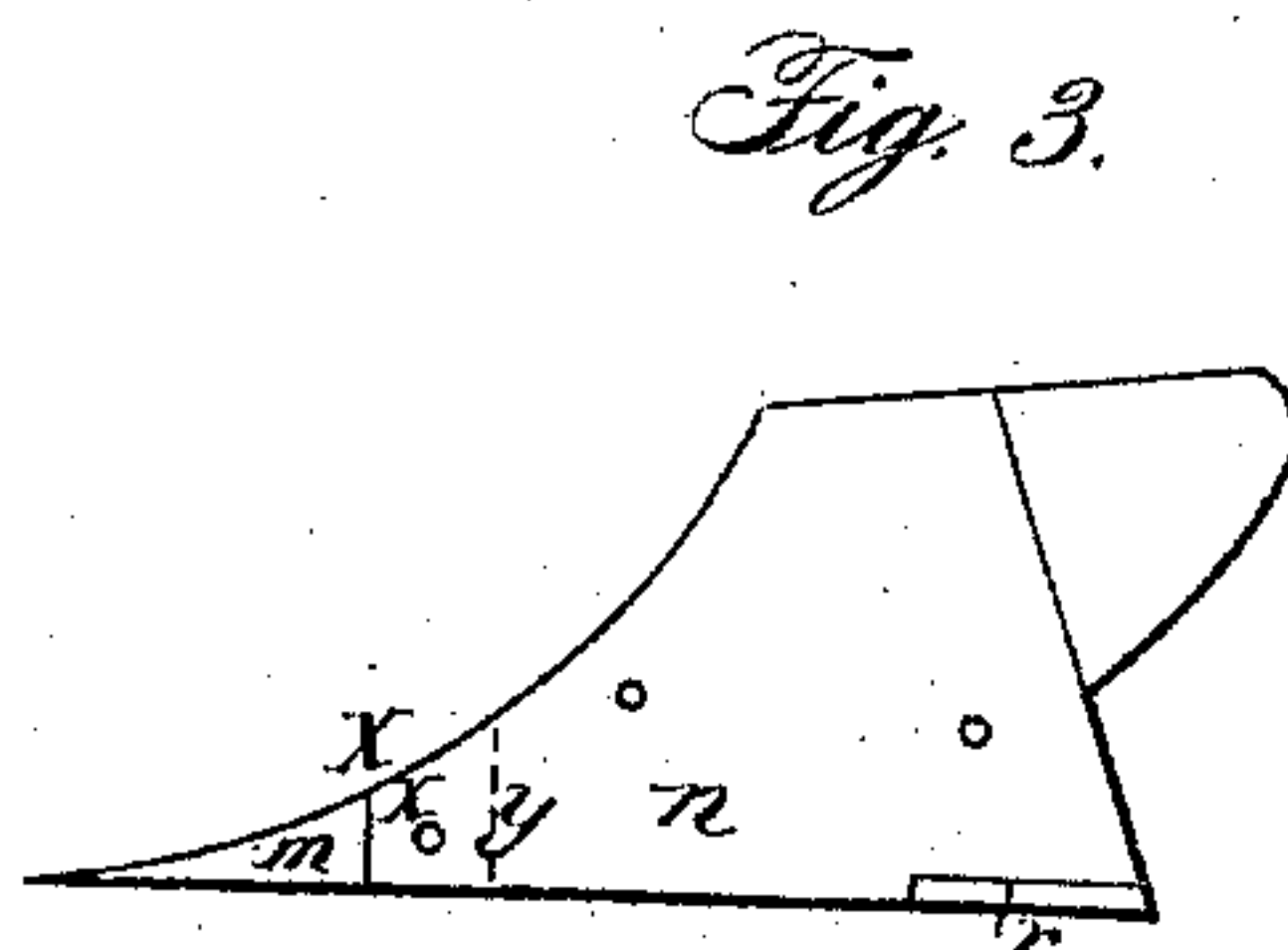
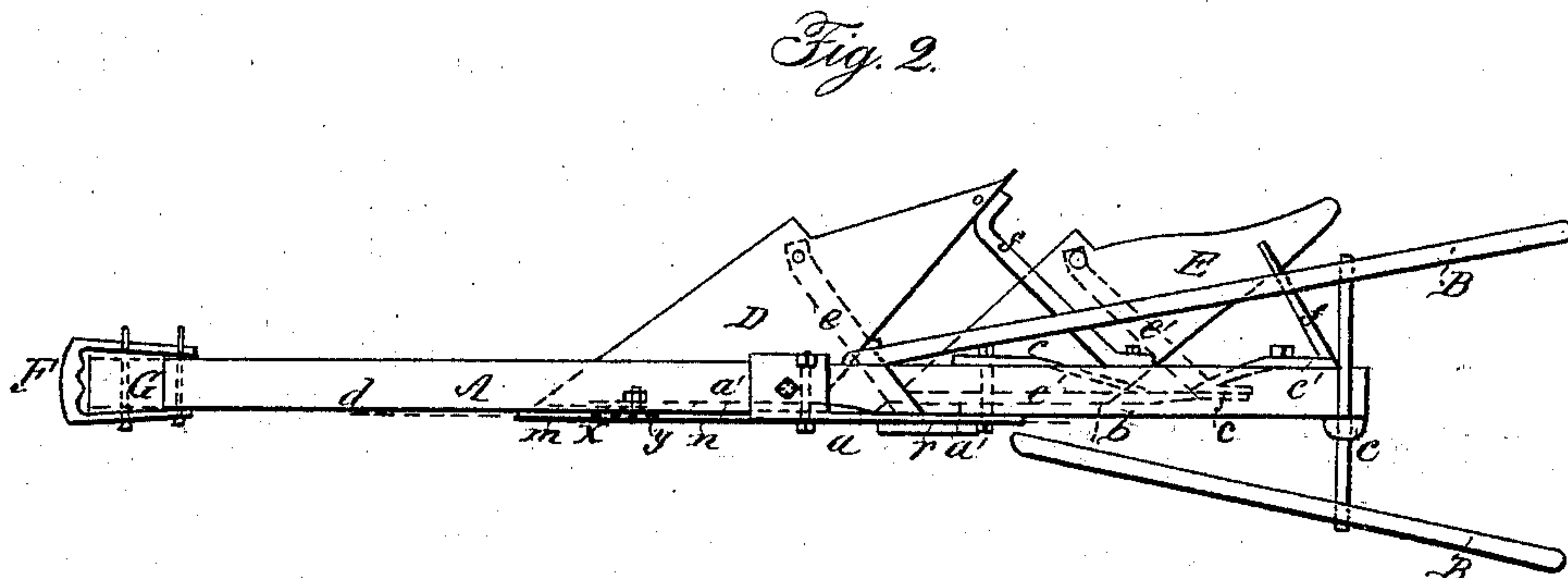
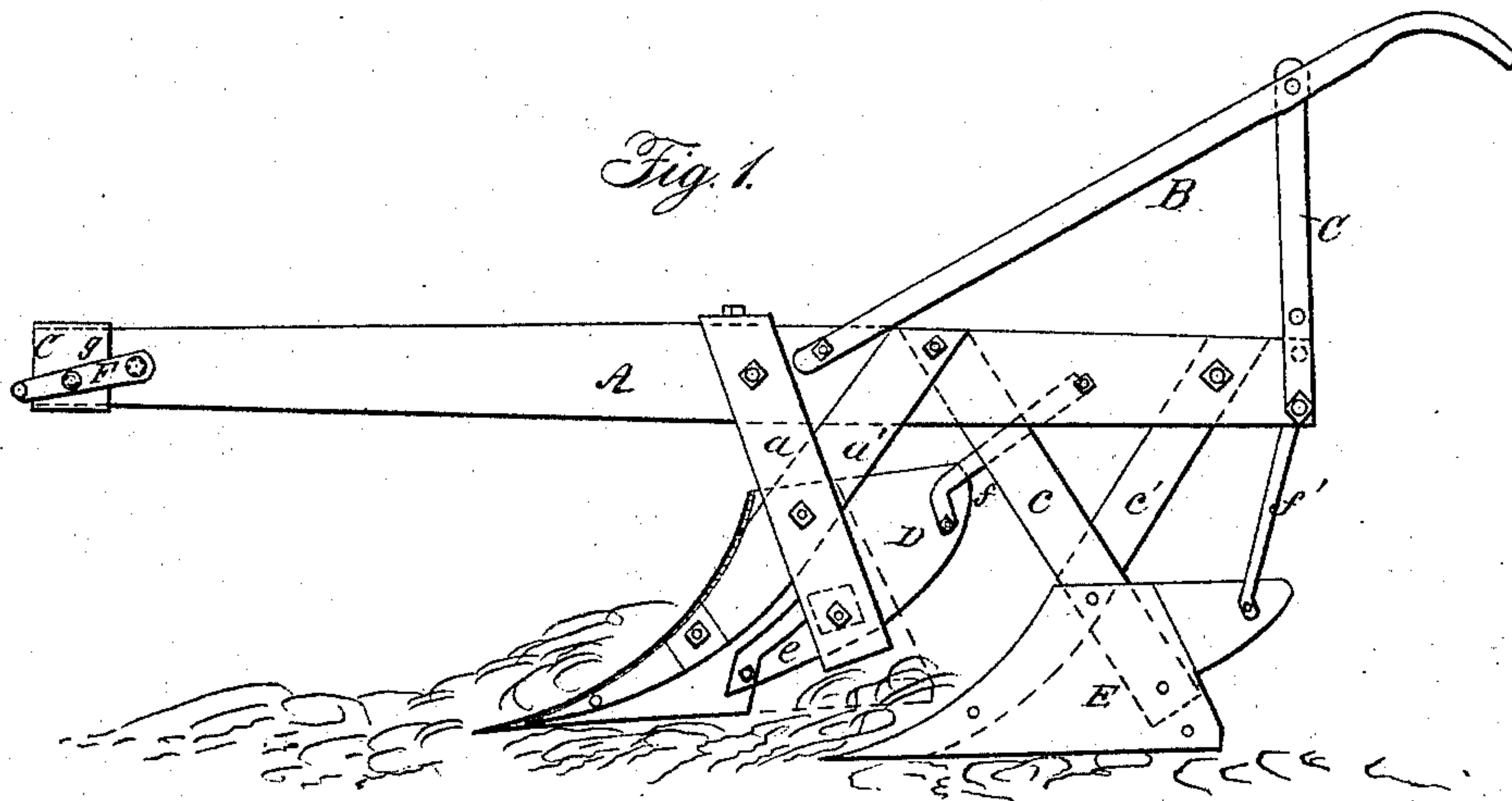


N. S. TALLMADGE.

Plow.

No. 39,761.

Patented Sept. 1, 1863.



Witnesses:

Edmund O'Leary
W. E. O'Leary

Inventor:

N. S. Tallmadge

UNITED STATES PATENT OFFICE.

NATHANIEL S. TALLMADGE, OF FOND DU LAC, WISCONSIN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **39,761**, dated September 1, 1863; antedated October 24, 1862.

To all whom it may concern:

Be it known that I, NATHANIEL S. TALLMADGE, of Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented a new and useful Improvement in Combined Crossing and Subsoil Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and the letters and figures marked thereon, which form a part of this specification.

In the aforesaid drawings, Figure 1 is a side elevation of my improved plow. Fig. 2 is a plan or top view of the same; and Fig. 3 is a side elevation of the front or crossing plow, showing the landside thereof, which is cut off in Fig. 1 at the line of section of section *d b* in Fig. 2.

Similar letters in the different figures represent corresponding parts of my invention.

The nature of my invention consists mainly in combining in one implement a crossing and a subsoil plow, and in constructing the same in a simple and durable manner.

In the accompanying drawings, A represents the beam; B, the handles; C, a standard supporting the handles, which, by means of the holes *h h* in C, may be raised or lowered at pleasure.

D is the crossing-plow, and E the subsoil-plow.

E is the clevis, which can be raised or lowered by means of the hole *g*.

G is a strong band of iron around the end of the beam to prevent its splitting.

a a' and *c c'* are strong iron braces or bars forming a frame or foundation, to which the mold-board and landside are fastened.

e e' are braces extending from the mold-board to the landside of the plow, and *f f'* are braces extending from the mold-board to the beam.

r is a rib cast upon the landside to steady the plow.

The landside of the crossing-plow is constructed in two parts, as shown in Figs. 2 and 3, the part *n* overlying *m* to the line *x*, and *m* extending to *y*. These parts are bolted together and to the brace *a'*.

The subsoil-plow is so arranged as to throw the soil upon top of the furrow made by the crossing-plow. By means of the peculiar construction of this plow the parts can all be removed from the foundation *a a'* and *c c'* when worn out, and new ones substituted in their place.

What I claim as my invention is—

The arrangement of the braces *a a' c c'*, the braces *e e'*, the rib marked *r*, and the landside, constructed as described, and for the purposes substantially as set forth.

NATHANIEL S. TALLMADGE.

Witnesses:

W. A. FOSTER,
S. A. FOSTER.