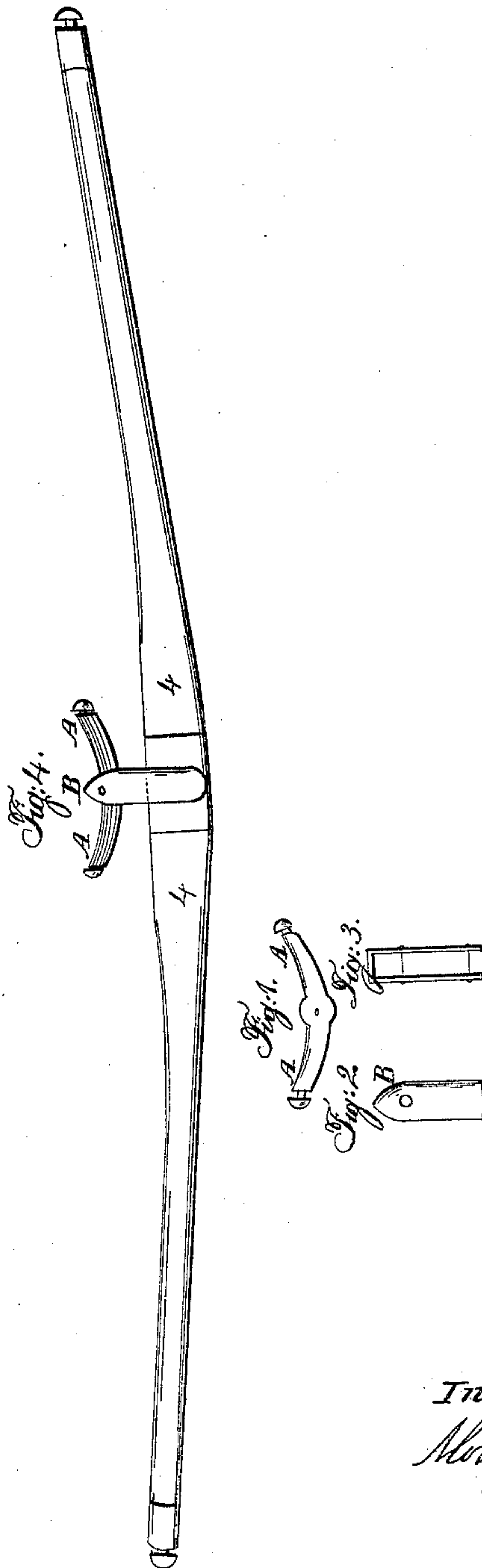


A. BELL.
Whiffletree.

No. 58,759.

Patented Oct .16, 1866.



Witnesses.
H. Cunningham
Amos Hadley.

Inventor.
Morse Bell

UNITED STATES PATENT OFFICE.

ALONZO BELL, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN WHIFFLETREES.

Specification forming part of Letters Patent No. 58,759, dated October 16, 1866.

To all whom it may concern:

Be it known that I, ALONZO BELL, of Washington, District of Columbia, have invented a new and useful Improvement in Double Whiffletrees; and I do declare that the following is a true, clear, and exact description of the construction and operation of the same, reference being had to the drawings accompanying this specification.

Figure 1 represents the small single-tree, through the center of which a bolt or pin plays, giving it movement in the movable clevis attached. Fig. 2 represents the top view of the clevis, into which the single-tree is set, being secured to the main bar by a pin or bolt, as shown in Fig. 3. Fig. 3 represents a side view of the clevis, with the two pins or bolts which hold the single-tree to the clevis and the clevis to the main bar. Fig. 4 represents the full view of the double whiffletree with improvements attached, A being the single-tree, and B the clevis in which it works.

I propose to construct the main bar of oak or other suitable wood, the single-tree and clevis of iron or other hard material, the single-tree to play on bolt through clevis, the clevis to play on bolt attached to center of main bar or tree.

I claim as the distinctive feature of this improvement—

The application of a combination single-tree and clevis to the center of double whiffletrees, whereby a direct and equalized strain is brought to bear on the center of the carriage, so that by this application or combination of movement the traces shall have free play, an equal and steady draft imparted to the center of the carriage, and the present continual leverage of one horse against the other obviated.

ALONZO BELL.

Witnesses:

H. S. CUMMINGS,
AMOS HADLEY.