

G. Purple,
Harness Buckle,

No. 44,554,

Patented Oct. 4, 1864

Fig. 1.

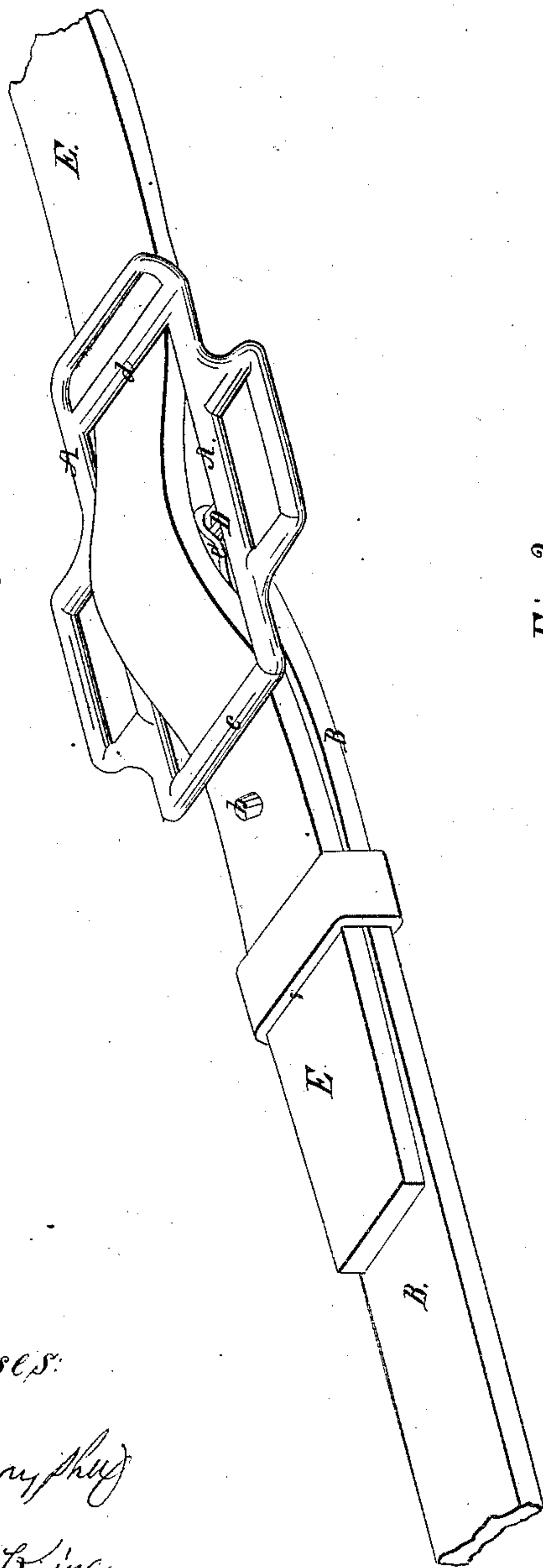
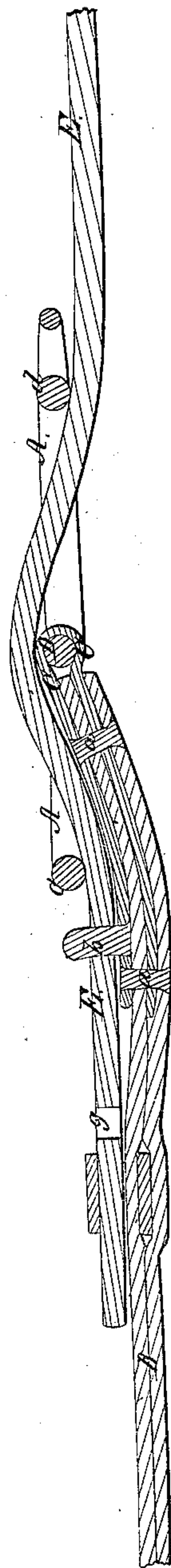


Fig. 2.



Witnesses:

J. Henry Phay
B. L. King

Inventor:

Geo. Purple
by his Attorney
Thos. H. Dodge

UNITED STATES PATENT OFFICE.

GEORGE PURPLE, OF WELLINGTON, OHIO.

IMPROVED HARNESS-BUCKLE.

Specification forming part of Letters Patent No. 41,554, dated October 4, 1864.

To all whom it may concern :

Be it known that I, GEORGE PURPLE, of Wellington, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Harness-Buckles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of my said buckle and strap having the tug secured to it. Fig. 2 represents a longitudinal vertical section through the same.

It is well known that the great difficulty in the use of buckles consists in the strain resting entirely upon the tongue of the buckle, whereby said tongue is either broken or bent or the tongue holes in the tug are worn out. Another difficulty consists in inserting the tongue into the hole of the tug or in withdrawing it therefrom. This difficulty arises from the oblique or almost horizontal position of the tongue in relation to the buckle-frame, which requires in buckling or unbuckling that the tug should be drawn sufficiently tight to permit the end of the tongue to enter or to recede from the hole in the tug. These difficulties are entirely removed in my buckle, which is constructed in such a manner that the strain upon the tongue is greatly reduced and that the latter stands in a vertical or almost vertical position in relation to the buckle frame.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents the buckle-frame. The strap B is secured to it by means of the metal piece C, which is fitted over the cylindrical bar D,

and which can freely turn thereon. The piece C is secured to the strap B by means of the rivets *a*, and has a tongue, *b*, secured to its upper side, which stands perpendicular, or nearly so, thereon and on the buckle-frame of the buckle.

E represents the tug. It is passed through the buckle-frame in such a manner as to bear against the lower sides of the bars *c d* of said frame, and it is provided with holes *g*, in one of which the tongue *b* is inserted. When the tug is applied to the buckle in the manner described and is drawn tight, it is firmly pressed against the lower sides of the bars *c d* and against the upper side of the piece C near the bar D, and the greater the strain upon it the harder it will press upon the buckle at those points, and thus the strain upon the tongue *b* is reduced to a great extent, and the tongue is thus relieved from pressure.

In fastening or unfastening this buckle the strap B and tug E are gripped where the latter overlaps the former, the end *d* of the buckle-frame is then depressed. This will raise the end *c*, and the tug E can be raised and be released from or applied to the tongue *b* without pulling the tug.

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

The combination of the buckle-frame A with the metal piece C, tongue *b*, strap B, and tug E, when constructed and operated substantially in the manner and for the purposes described.

GEORGE PURPLE.

Witnesses :

J. H. DICKSON.

S. D. BACON.