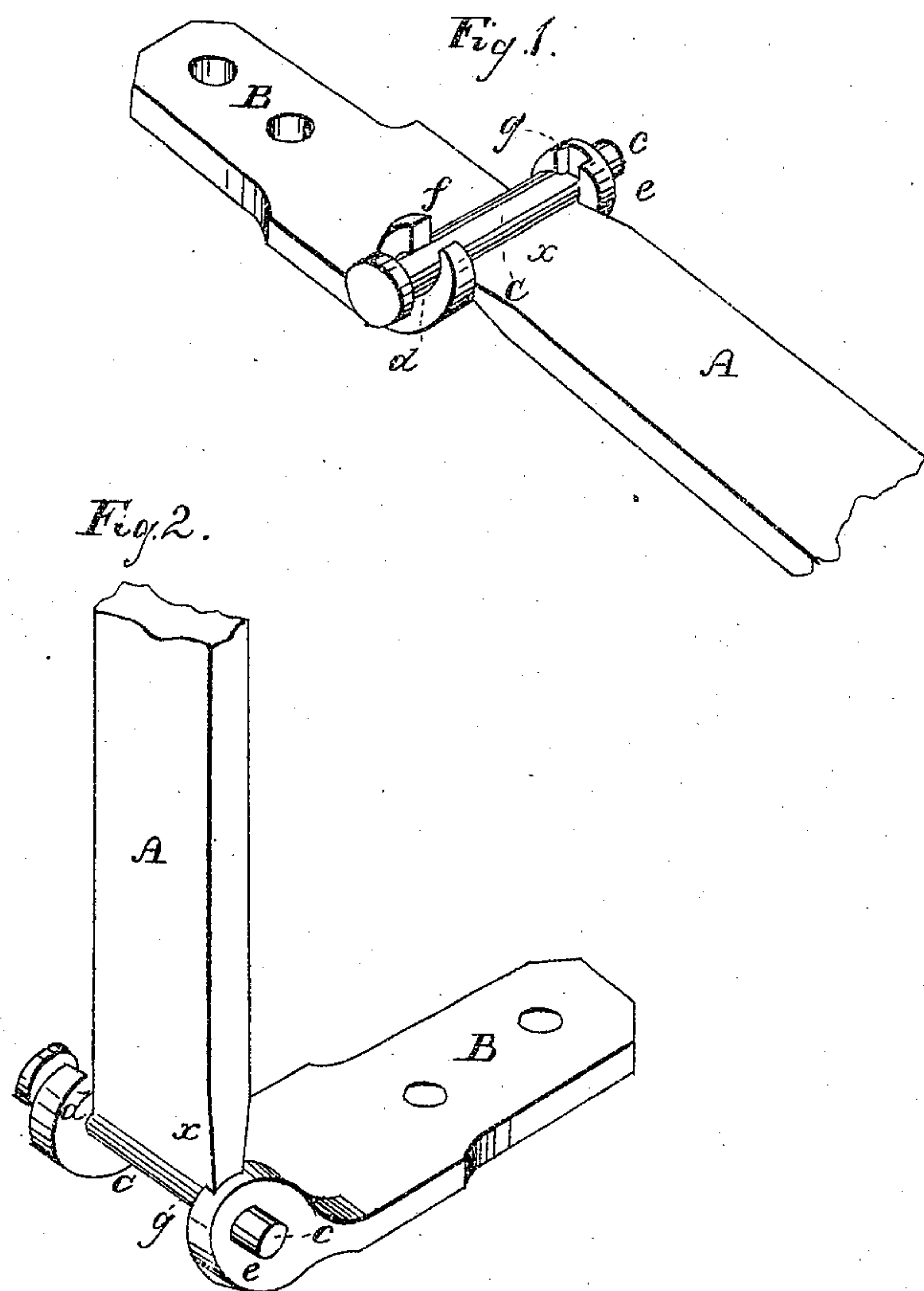


A. FUHRMAN.

Thill Coupling.

No. 87,252.

Patented Feb. 23, 1869.



Witnesses  
G. H. Smith.  
E. E. Brown

Inventor.  
Anthony Fuhrman  
By J. C. Heath  
his attorney.



ANTHONY FUHRMAN, OF LLOYDSVILLE, PENNSYLVANIA.

*Letters Patent No. 87,252, dated February 23, 1869.*

**IMPROVEMENT IN THILL-COUPLING.**

*The Schedule referred to in these Letters Patent and making part of the same.*

*To all whom it may concern:*

Be it known that I, ANTHONY FUHRMAN, of Lloyds-ville, in the county of Perry, and State of Pennsylvania, have invented a new and useful Coupling for Thills, Traces, Whiffle-Trees, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in so constructing a coupling for thills, traces, whiffle-trees, &c., that it may be easily and securely adjusted in the dark as well as in the light; and, when used as a thill-coupling, will furnish a secure and simple means for holding the thills in an upright position, when desired.

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

In the drawings—

A represents the thill-iron, provided with a cross-head, C.

B represents the axle-iron, which may be fastened to the axle by clips in the usual manner.

The axle-iron B has two eyes, *d e*, which receive and hold the cross-head C.

The eye *d* has a slot, *f*, and the eye *e* has a notch, *g*, formed as shown.

The portion of the thill-iron nearest the cross-head C is made wedge-shaped, and thinner than the other portion, as shown at X.

In attaching the thills, the end *c* of the cross-head

C is inserted in the eye *d*, the thills raised to an upright position, and moved laterally until the thin portion X has passed the slot *f*, and then lowered to the position shown in Figure 1. This motion is reversed in detaching the thills.

When it is desired to have the thills off the ground, and out of the way, without detaching them, they are raised to an upright position, and moved laterally, until the thin portion X engages with the notch *g*, which holds the thills in the position shown in Figure 2.

This coupling may be used for a trace-coupling, by bending the axle-iron B, and attaching it to the end of the whiffle-tree, and attaching the thill-iron A to the end of the trace.

It may also be used for a whiffle-tree coupling, by attaching the thill-iron A to the whiffle-tree, and the axle-iron B to the whiffle-tree bar, the form of the parts A and B being modified to suit such attachment.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

A thill-coupling, constructed with a notch, *g*, or its equivalent, in the eye *e*, and a projection on the cross-head C, corresponding with the slot *f* in the eye *d*, substantially as herein shown and described, and for the purpose specified.

ANTHONY FUHRMAN.

Witnesses:

E. R. BROWN,

J. W. SMITH.