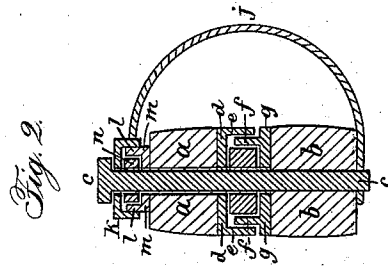
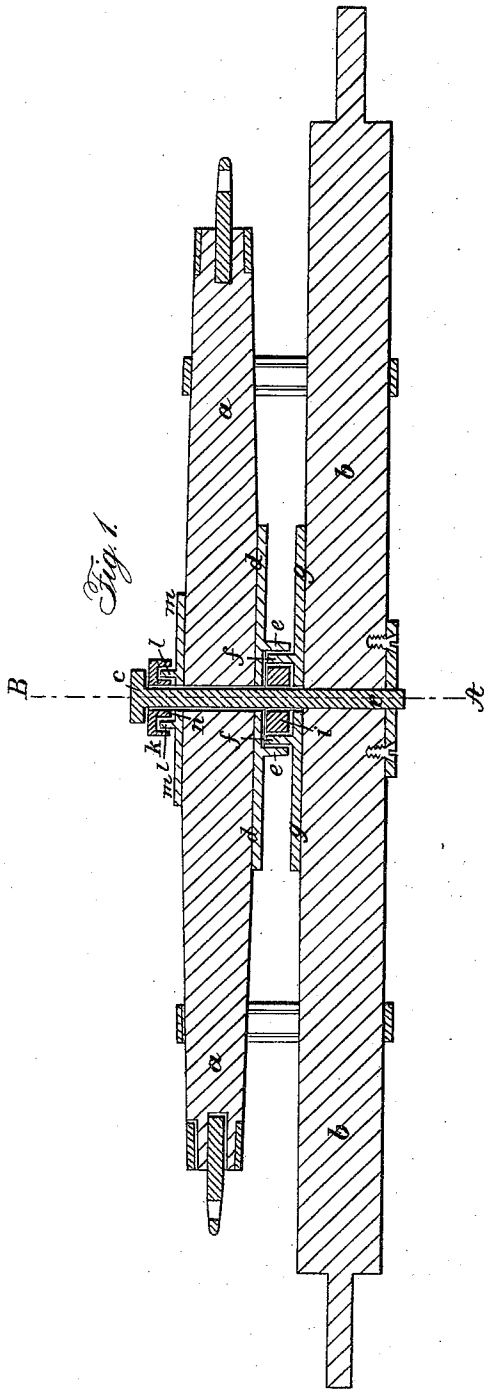


G. KENNY.

Whiffletree.

No. 15,460.

Patented July 29, 1856.



Witnesses:

*A. F. Hutchinson*  
*E. C. Batchelder*

Inventor:

*George Kenny*

# UNITED STATES PATENT OFFICE.

GEORGE KENNY, OF MILFORD, NEW HAMPSHIRE, ASSIGNOR TO GEORGE KENNY AND  
GEORGE N. DAVIS, OF BOSTON, MASSACHUSETTS.

## WHIFFLETREE.

Specification of Letters Patent No. 15,460, dated July 29, 1856.

*To all whom it may concern:*

Be it known that I, GEORGE KENNY, of Milford, in the county of Hillsboro and State of New Hampshire, have invented certain new and useful Improvements in Whiffletrees, and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

The figures of the accompanying plate of drawings represent my improvements.

Figure 1, is a longitudinal central vertical section of a whiffle-tree with my improvements applied thereto. Fig. 2 is a transverse vertical section of the same taken in the plane of the line A B, Fig. 1.

Whiffle-trees, as commonly constructed and applied, have been found objectionable on account of the rattling noise produced by them, and their liability to wear out quickly by turning on the "king-bolt." The present invention obviates these objections as by my improvements rubber is applied to the parts that play upon the "king bolt" and in such a manner as to prevent the entrance of dirt &c., which otherwise would prevent the accomplishment of the desired results.

*a a* in the drawings represent the whiffle-tree and *b b* the "draw-bar."

*c c* is the "king-bolt" or pin that connects the whiffle-tree and "draw-bar." This bolt *c c* is held stationary in the draw-bar.

Attached to the under part of the whiffle-

tree is a metallic plate *d d* having a circular flange *e e* which tops over and plays upon the flanges *f, f*, forming a part of a plate *g g*, similar to the plate *h h* fastened to the upper side of the draw-bar *b b*. In the box thus formed by the flanges *e e f f*, a piece of vulcanized rubber *i* is inserted around the bolt *c c*. The head of the bolt *c c* is protected in a similar manner, by means of a box cap *k*, attached to the brace *j*, which fits over and plays upon the circular flange *l l* of a plate *m m* secured to the upper side of the whiffle-tree. In the box *k u* is inserted a piece of rubber *n* fitting around the "king-bolt" *c c*. By this arrangement it will be seen that the parts which are exposed to wear by the ordinary method of constructing and applying whiffle-trees are completely protected by the use of the rubber, which is kept free from the entrance of dirt &c., by the peculiar manner in which it is applied, that is by being inserted in boxes which cover and inclose the rubber. Thus all noise and liability to wear are effectually prevented.

Having thus described my improvements I shall state my claim as follows:—

What I claim as my invention and desire to have secured to me by Letters Patent is—

The combination of rubber washers with the whiffle trees and about the king bolt and the boxes arranged with the same substantially as described, so as to protect the rubber and boxes from the entrance of water dirt &c. and thereby preventing the wear of the parts.

GEORGE KENNY.

Witnesses:

G. McCULLOUGH,  
MARTIN HAN.