

(Model.)

C. GARDNER  
WHIFFLETREE IRON

No. 261,219.

Patented July 18, 1882.

*Fig. 1.*

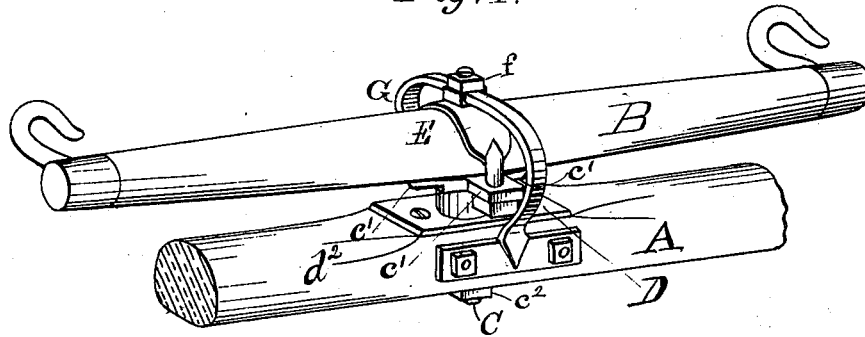
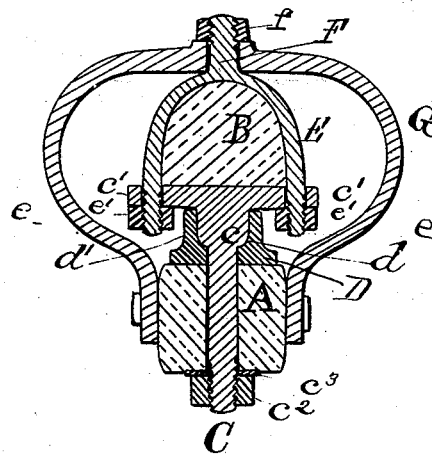


Fig. 2



Charles Gardner

*Inventor:*

Witnesses :

Ed Stocking  
East Point

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# UNITED STATES PATENT OFFICE.

CHARLES GARDNER, OF LEON, NEW YORK.

## WHIFFLETREE-IRON.

SPECIFICATION forming part of Letters Patent No. 261,219, dated July 18, 1882.

Application filed April 26, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, CHARLES GARDNER, a citizen of the United States of America, residing at Leon, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Whiffletree-Irons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective of my invention, and Fig. 2 a central vertical section of the same.

Like letters refer to like parts in both figures.

A represents the cross-bar, to which the whiffletree B is attached; or A may be considered as a portion of an evener, to which a pair of whiffletrees are usually attached; but for clearness and brevity of description the cross-bar is chosen. Through the cross-bar passes the main pivot C, the upper end of which is shouldered at *c* and provided with four lugs or branches, *c'*, (three of which are shown,) which constitute a double T-head to the pivot. The shoulder *c* rests in a seat, *d*, formed in a projection or boss, *d'*, on the plate D, which is secured to the upper surface of the cross-bar. The pivot is screw-threaded at its lower end, and a nut and washer, *c<sup>2</sup> c<sup>3</sup>*, serve to bind the pivot snugly in its seat. The plate D is secured by screws *d<sup>2</sup>* (one of which is shown) to the upper surface of the cross-bar, as shown.

One pair of the lugs or branches *c'* project beyond the front and rear sides of the whiffletree B, and each lug of this pair is perforated for the passage therethrough of the screw-threaded ends *e* of the clip E, which is by the

nuts *e'* firmly bound upon the whiffletree. The other pair of the lugs or branches *c'*, being arranged at right angles, lie against the bottom of the whiffletree and are disposed lengthwise thereof.

At the top of the clip there is formed integral therewith a pivot, F, screw-threaded at its end and provided with a nut, *f*. The pivots C and F are in line with each other, and the latter passes through an arched brace, G, which, as shown, is secured to the front and rear sides of the cross-bar, but which, in coupling an evener to a pole, may be extended in both directions along the pole and secured thereto in any suitable manner.

By the above construction of the irons no bolt or pivot passes through the whiffletree to weaken the same, and the parts are all firmly bound together, and all unnecessary noise and rattling are avoided.

It will be seen that the pivot C need not pass entirely through or into the cross-bar, as its shouldered portion serves its full function as a pivot, and the parts would in that case be held in place by the brace G; and brace G may be dispensed with when pivot C passes through and is secured to the cross-bar A.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the clip E, provided with the pivot F, shouldered pivot C, provided with the perforated lugs or branches *c' c'*, the plate D, provided with the seat *d*, cross-bar A, whiffletree B, and brace G, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES GARDNER.

Witnesses:

W. M. BABCOCK,  
DELOSS RHODES.