D. W. ONDERDONK.

Thill Coupling.

No. 90,866. Patented June 1, 1869.

Fig. 1

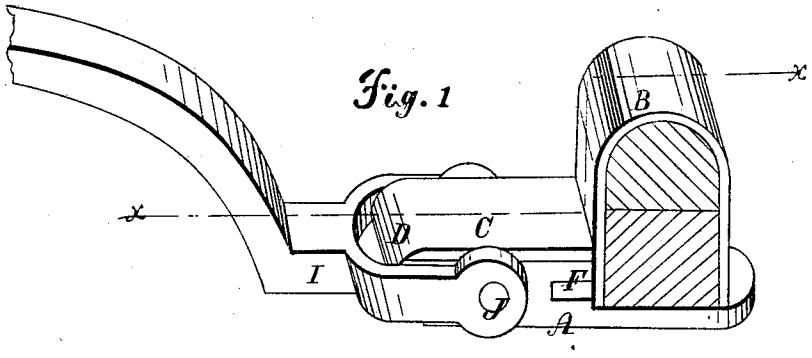

Fig. 2

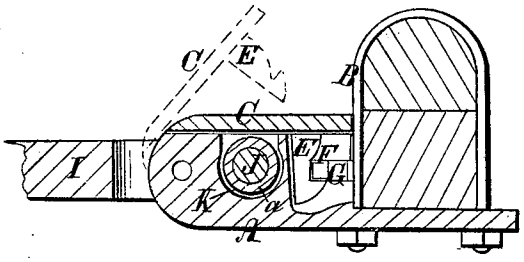

Fig. 3

Witnesses:
Geo. M. Hopkins
Francis Basle

Inventor
D. W. Ellington Onderdonk.

United States Patent Office.

D. WELLINGTON ONDERDONK, OF ALBION, NEW YORK, ASSIGNOR TO HIMSELF, PHILO A. CASTLE, AND ANDREW S. ONDERDONK, OF SAME PLACE.

Letters Patent No. 90,866, *dated June* 1, 1869.

IMPROVEMENT IN THILL-COUPLINGS.

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, D. WELLINGTON ONDERDONK, of Albion, in the county of Orleans, and State of New York, have invented a new and useful Improvement in Thill-Couplings for Carriages; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a sectional view, taken on the line *x x*, fig. 1.

Figure 3 represents a spring-catch.

Like letters of reference indicate corresponding parts in the different figures.

The object of my invention is to provide a safe, cheap, and convenient thill-coupling, without screws or bolts, which shall avoid rattling.

I will proceed to describe my invention.

A is the part of the coupling which is attached to the axle-tree by the clip B.

C is a cap, which is hinged to the part A at D, and is provided with a catch, E.

F is a key-bolt, which is fitted to the slot G, in the part A, and is provided with a spring, H, (see fig. 3,) which acts against the clip B.

I is the part which is attached to the thill. It is forked, or divided, so as to embrace the part A.

A bolt or rivet, J, connects the two arms of this fork. A rubber bushing, *a*, is placed around the rivet J.

In order to attach the thill to the carriage, the cap C is opened by throwing the bolt F back, by means of the heads, which project beyond the part A. The part I is brought into such a position that the rivet J may be dropped into the opening K, in the part A, when the cap C is pressed down, and the bolt F springs into the catch E.

Any convenient spring may be used to hold down the cap C.

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

The hinged cap C, with its catch E, bolt, or rivet J, key-bolt F, with its spring H, and rubber *a*, all combined and arranged as herein shown and described.

D. WELLINGTON ONDERDONK.

Witnesses:

FRANCESCA CASTLE,

GEO. M. HOPKINS.