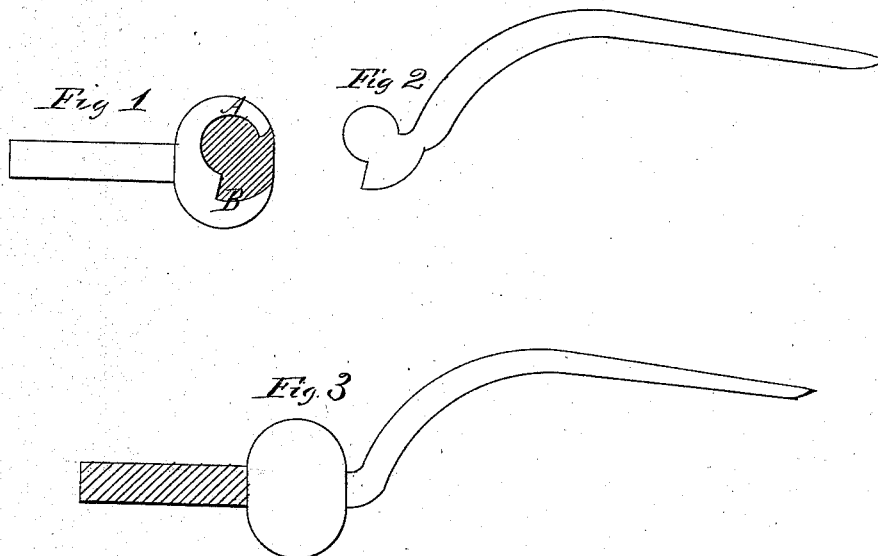


T. BURR.
Thill Coupling.

No. 112,318.

Patented March 7, 1870.



Witnesses
W. J. Woodworth
M. B. Russell }

Inventor
D. Theodore Burr

United States Patent Office.

THEODORE BURR, OF BATTLE CREEK, MICHIGAN, ASSIGNOR TO ALLEN
MUIR AND HENRY MUIR, OF SAME PLACE.

Letters Patent No. 112,318, dated March 7, 1871.

IMPROVEMENT IN THILL-COUPINGS.

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

Be it known that I, Dr. THEODORE BURR, of the city of Battle Creek, in the county of Calhoun and State of Michigan, have invented a new and useful Improvement in Thill-Couplings; and I do declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a perspective view of the eye-piece, which is to be secured to the carriage-axle by means of clasps, or otherwise, not shown.

Figure 2 is the strap which is to be attached to the thill.

Figure 3 is the two parts coupled together.

The eye, as seen at fig. 1 of the drawing, is constructed so as to form a chamber or socket having parts of two circles.

The upper curve, marked A, forms a half circle.

The lower curve, marked B, forms a quarter circle, and is longer in diameter than the upper circle A.

The front points of the two curves A and B terminate so as to leave an opening equal to the diameter of the upper curve A.

The strap, fig. 2, is constructed with a pin, D, forged on the upper side of and at right angles with the strap, and at the end to be attached to the eye, the pin D corresponding exactly in diameter to that of the upper curve A inside the chamber.

The lower side of strap 2 corresponds with the diameter of the lower curve B. Having a joint thus constructed, by raising the end of the strap to its highest or perpendicular point the end D will enter the chamber. Then, by lowering the strap to a horizontal position, the lower curve of the strap enters the chamber below. When thus in position the chamber clasps the pin D and lower curve on the strap, and thus forms a perfect and secure joint in the coupling, as in fig. 3.

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

A thill-coupling substantially as set forth and described in this specification.

DR. THEODORE BURR.

Witnesses:

M. B. RUSSELL,
H. T. WOODWORTH.