

T. McDONOUGH.
THILL-COUPLING.

No. 172,758.

Patented Jan. 25. 1876.

Fig. 1.

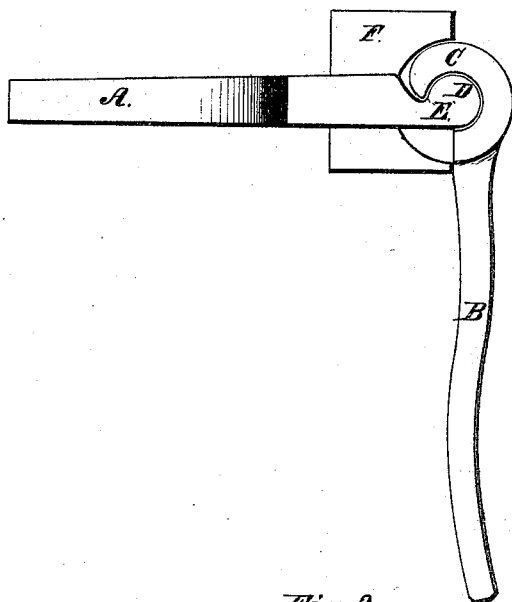
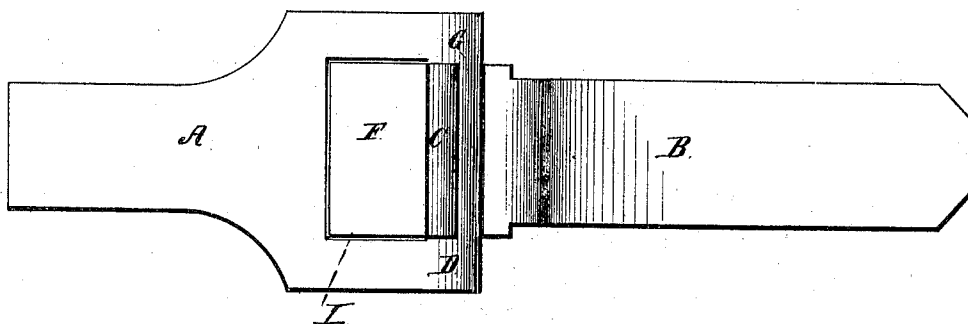


Fig. 2.



Witnesses.

James H. Fleming
Andrew A. Jacobs

Inventor.

Thomas M. Donough.

UNITED STATES PATENT OFFICE

THOMAS McDONOUGH, OF OTTAWA, ILLINOIS, ASSIGNOR OF TWO-THIRDS
HIS RIGHT TO JOSEPH E. PORTER AND THOMAS B. McDONOUGH, OF
SAME PLACE.

IMPROVEMENT IN THILL-COUPPLINGS.

Specification forming part of Letters Patent No. 172,758, dated January 25, 1876; application filed
September 13, 1875.

To all whom it may concern:

Be it known that I, THOMAS McDONOUGH, of Ottawa, in the county of La Salle and State of Illinois, have invented certain Improvements in Pole and Shaft Coupling, of which the following is a specification:

This invention relates to means for attaching and detaching poles and shafts to and from carriages; and it consists in the novel construction hereinafter described, by which such action may be readily and easily performed.

Figure 1 of the drawings represents a side view of my coupling, and Fig. 2 is a plan view thereof.

The letter A represents that arm of my coupling, which is attached to the axle-tree. Its front is enlarged and slotted, as shown, to provide for the insertion of the rubber block F to hold the parts in security, and guard against that nuisance called "rattling." D represents a circular eye formed in the front end of the draw-bar A, and is adapted to receive and hold the rear cam-shaped end of the arm B, as shown at C and Fig. 1.

To provide for coupling the two arms together, I form a recess or slot in the head of arm A, extending to the side of said head at the point E. The coupling is formed by passing the hook C on D sidewise through the slot E on A, until it is within the recess I and clasps the eye D. The rubber block F then presses against said hook, and holds it in position.

Detachment is effected by turning the draw-bar B downward, and at the same time pressing the rubber backward.

I claim as my invention—

The arm A, recessed or slotted at E, and arm B, provided with the cam-shaped end C, whereby a coupling is formed by passing the hook C sidewise over the eye D, substantially as shown and described.

THOMAS McDONOUGH.

Witnesses:

JAMES H. FLEMING,
ANDREW A. JACOBS.