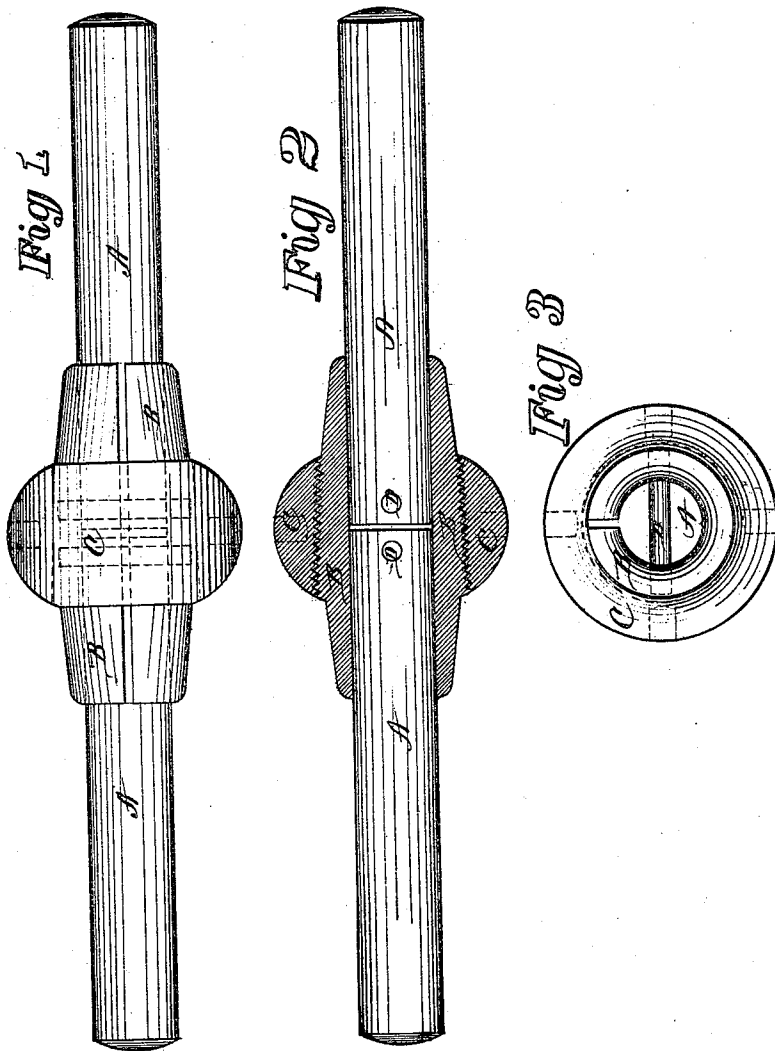


S.H. Whitmore,

Shaft Coupling.

No. 106,755.

Patented Aug. 23, 1870.



Witnesses:
Chas. L. Cook
Wm. H. Ward

Inventor:
Seth H. Whitmore
Alexander Theodor
Attys.

United States Patent Office.

SETH H. WHITMORE, OF DECATUR, ILLINOIS, ASSIGNOR TO CALEB C. BURROUGHS AND JAMES MILLIKEN, OF SAME PLACE.

Letters Patent No. 106,755, dated August 23, 1870.

IMPROVEMENT IN SHAFT-COUPLING.

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, SETH H. WHITMORE, of Decatur, in the county of Macon and in the State of Illinois, have invented certain new and useful Improvements in Coupling for Shafts; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of an improved "coupling for shafts," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of two shafts joined together by my coupling.

Figure 2 is a similar view of the shafts, with a longitudinal vertical section of the coupling.

Figure 3 is an end view of the coupling.

A A represent the ends of two shafts coupled together by means of a coupling consisting of an inner and an outer sleeve.

The inner sleeve B is bored out on the inside, and on the outer surface it is cut with a conical screw, to

which is fitted the outer sleeve C, or nut, having a screw on its inner periphery the same taper as that on the outside of the inner sleeve.

When thus fitted it will not open or close, but by cutting a slot from end to end through the inner sleeve B, as shown in figs. 1 and 3, it can be closed down on the shafts by turning the nut or outer sleeve up onto the screw which holds the shaft firmly and in line.

To prevent the shaft from working endwise, and at the same time help the coupling to hold the shaft, I drill a hole through the inner sleeve B and end of shaft, into which I put a round pin, D, and hold them in place by the outer sleeve or nut, screwed over them.

Having thus fully described my invention,

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

The combination of the shafts A A, pins D D, and the inner and outer sleeves B C, all connected together substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 31st day of January, 1870.

S. H. WHITMORE.

Witnesses:

ALLEN LITSINBERGER,
B. B. BABCOCK.