

J. Sherry,
Shaft Coupling.
No. 112,972. *Patented Mar. 21, 1871.*

Fig. 1.

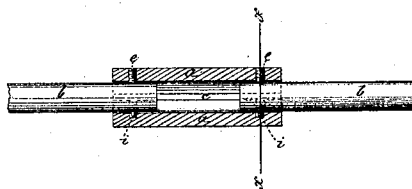
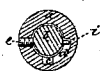


Fig. 2.



James Sherry, Inventor.

by Geo. E. Brown.

His Attorney.

Witnesses.

H. J. Thibault
John C. Simon

United States Patent Office.

JAMES SHERRY, OF WATERTOWN, NEW YORK.

Letters Patent No. 112,972, dated March 21, 1871.

IMPROVEMENT IN SHAFT-COUPPLINGS.

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

I, JAMES SHERRY, of Watertown, Jefferson county, New York, have invented a Shaft-Coupling, of which the following is a specification.

Figure 1 is a sectional elevation, and

Figure 2 is a transverse vertical section.

This invention consists of a tubular coupling, having longitudinal interior grooves extending a suitable distance inward from each end, and transverse interior grooves, into which the longitudinal grooves open, and provided with set-screws, which extend through the shell of the coupling, the uses of which grooves and set-screws I now proceed to explain.

Referring to the drawing—

a is the tubular coupling which receives the ends of the shafts *b*.

c are the interior grooves that extend lengthwise inward from each end of the couplings.

d are the transverse interior grooves, into which those lettered *c* open.

e are the set-screws that extend through the shell of the coupling.

The shafts *b* are provided with pins *i* extending radially from their peripheries, near those ends of the shafts that meet within the coupling.

When the shafts are inserted in the latter the pins *i* traverse the grooves *c* and enter the grooves *d*. By turning the shafts until the pins *i* come against the ends of the grooves *d* the shafts are prevented from working backward out of the coupling; then, by turning the set-screws *e* in until they bear tightly on the shafts, the latter are firmly connected with the coupling.

I claim as my invention—

The arrangement of the shafts *b* provided with pins *i*, the coupling *a* provided with the longitudinal grooves *c* and the transverse grooves *d*, and the set-screws *e* bearing upon the exteriors of the shafts *b*, all constructed and operating as specified.

JAMES SHERRY.

Witnesses:

ABM. COATES,

F. LANSING.