

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

Fig. 1.

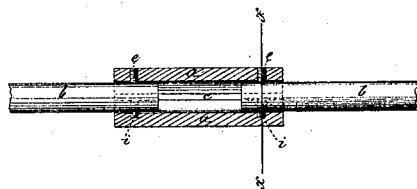
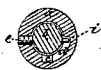


Fig. 2.



Witnesses.
H. J. Tracy
John D. Simon

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by Geo. E. Brown.
His Attorney.

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,
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