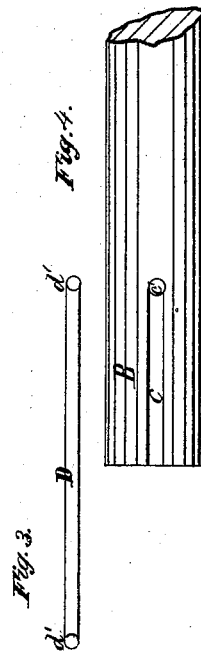
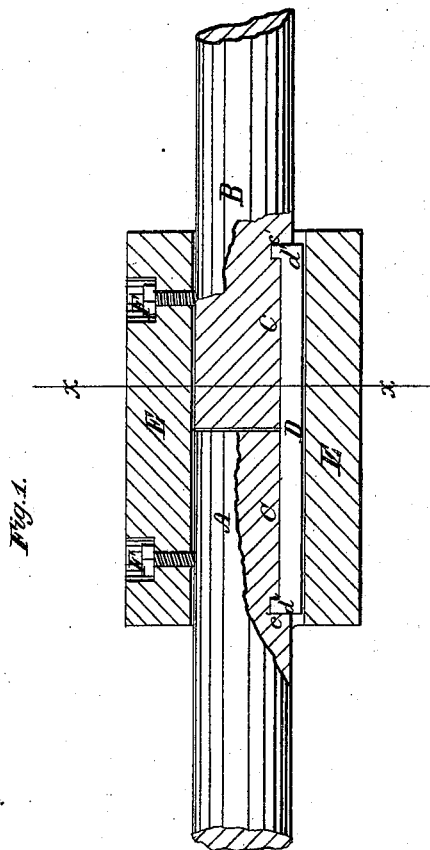
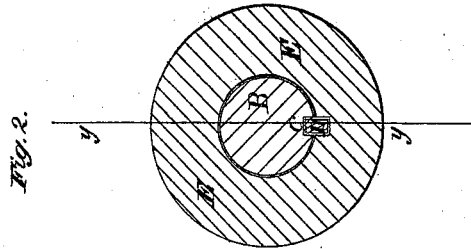


G. L. Baum,
Shaft Coupling,
No. 55,198, *Patented May 29, 1866.*



Witnesses.

Wm. Blount
Wm. Durr

Inventor

G. L. Baum
Per Munn & Co.
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE L. BAUM, OF BETHLEHEM, PENNSYLVANIA, ASSIGNOR TO HIMSELF
AND HERMAN A. DOSTER, OF SAME PLACE.

IMPROVEMENT IN SHAFT-COUPPLINGS.

Specification forming part of Letters Patent No. 55,198, dated May 29, 1866.

To all whom it may concern:

Be it known that I, GEORGE L. BAUM, of Bethlehem, Northampton county, State of Pennsylvania, have invented a new and useful Improvement in Shaft-Coupling; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional view of my improved shaft-coupling, taken through the line *yy*, Fig. 2, part of the shaft being broken away. Fig. 2 is a cross-section of the same, taken through the line *xx*, Fig. 1. Fig. 3 is a detail view of the key. Fig. 4 is a detail view of a portion of the shaft.

Similar letters of reference indicate like parts.

My invention has for its object to furnish a shaft-coupling simple in construction, easy of adjustment, and which will hold the shaft securely coupled; and it consists of a shaft-coupling formed by combining a shell, key, and set-screws with the ends of the shaft to be coupled, as hereinafter more fully described.

A and B are the ends of the shaft to be coupled, in the sides of which is formed a slot, C, the ends of which are deepened into holes *c*, as shown in Figs. 1 and 4.

D is a key fitting into the slot C, as shown in Fig. 1. This key is wider than the depth of the slot, and at its ends are formed projections *d*, fitting into the holes *c*, formed in the

ends of the slot C. This key prevents the ends of the shaft from being drawn apart and also insures both parts of the shaft revolving together.

E is the shell which fits upon the shaft, covering the joint formed by the meeting of the shafts A and B.

It should be observed that the bottom of the slot C is slightly inclined—that is, the said slot is deeper at one end than at the other—which gives to the projecting part of the key D a wedge-shaped appearance, as seen in Fig. 1. Upon the inside of the shell E is formed a groove, as shown in Figs. 1 and 2. This groove fits over the key D, clamping the key and ends of the shaft firmly together. This shell is kept from slipping from its place by set-screws F, which pass in through the side of the shell E and press against the ends A and B of the shaft, as shown in Fig. 1. These holes are countersunk, so that the heads of the screws F may be beneath the outer surface of the shell E, and thus be out of the way and not liable to catch upon the belting.

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

An improved shaft-coupling formed by combining the shell E, key D, and set-screws F with the ends of the shafts to be coupled, substantially as described, and for the purpose set forth.

GEO. L. BAUM.

Witnesses:

FRED. R. BARKER,
BENJ. F. SCHNELLER.