

P. H. STANDISH.

Die for Making Chain-Swivels.

No. 159,619.

Patented Feb. 9, 1875.

fig. 1

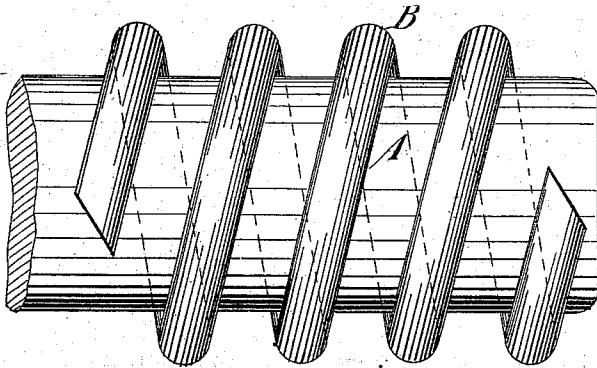


fig. 2

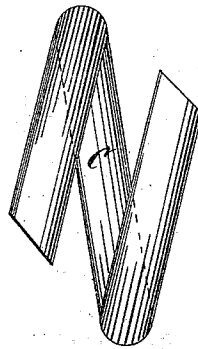


fig. 3

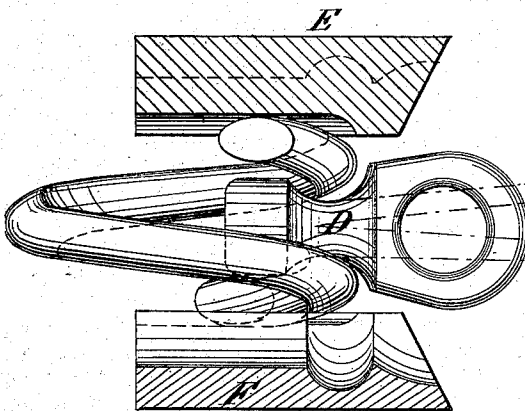


fig. 4

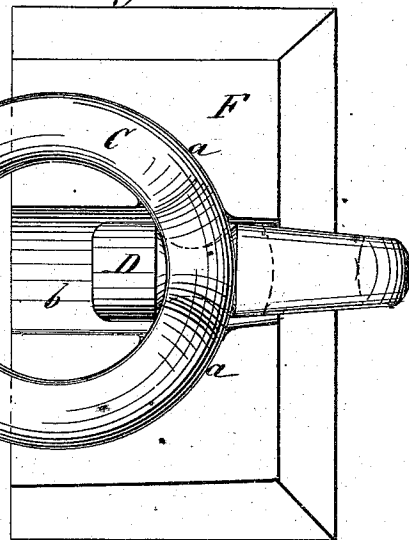
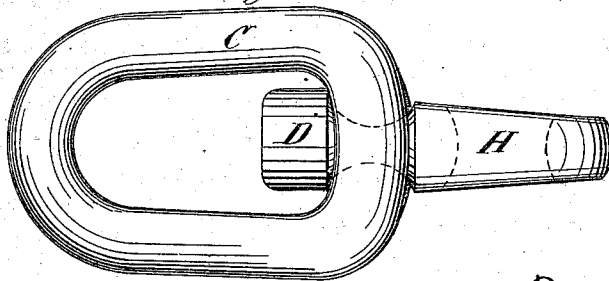


fig. 5



WITNESSES:

C. Severance
A. F. Terry

INVENTOR:

P. H. Standish
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UNITED STATES PATENT OFFICE.

PHILANDER H. STANDISH, OF JEFFERSON CITY, MISSOURI, ASSIGNOR TO
HIMSELF AND J. H. BODINE, OF SAME PLACE.

IMPROVEMENT IN DIES FOR MAKING CHAIN-SWIVELS.

Specification forming part of Letters Patent No. **159,619**, dated February 9, 1875; application filed
October 10, 1874.

To all whom it may concern:

Be it known that I, PHILANDER H. STANDISH, of Jefferson City, in the county of Cole and State of Missouri, have invented a new Improvement in Dies for Making Chain-Swivels, of which the following is a specification.

The invention consists in a peculiar construction of dies for the manufacture of chain-swivels, as hereinafter fully described.

Figure 1 is a side elevation of a coil of iron on a mandrel ready for cutting up into links. Fig. 2 is a side elevation of a link-blank ready for welding to the eye-piece. Fig. 3 is a sectional elevation of the dies for welding the link around the neck of the eye-piece, and a side elevation of the link and eye-piece, all in position for operation. Fig. 4 is a plan view of the link welded around the eye, the link and the eye resting in the bed-dies; and Fig. 5 is a side elevation of a complete swivel.

A is the mandrel on which rod B, to form the links, is coiled. C represents a link-blank with lapping ends, as cut from the coil, and ready to be applied to the neck of the eye D, by placing one of the ends above the neck, and the other below, to be welded around the neck of the eye-piece. E F represent the dies,

in which the link and the eye, being so arranged, are placed for being welded upon the neck, the link-blank in the circular cavity *a* and the eye-piece being in a straight one, *b*, which cross each other, so that when the link-blank and eye-piece are put in their places in the dies, and pressed together, the overlapping ends of the link-blank will be folded around the neck of the eye and welded together, and at the same time be shaped and finished in regard to form by one or two blows of the dies. The prongs H of the eye-piece will then be heated and bent up, shaped, and welded in any approved way. The eye-piece will not be welded to the link on account of being cold when the link is welded around it.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The corresponding dies E F, having circular cavity *a* and straight one *b*, the two cavities crossing each other, as and for the purpose specified.

PHILANDER H. STANDISH.

Witnesses:

JOHN F. HEINRICH,
GEO. CORNING, Jr.