

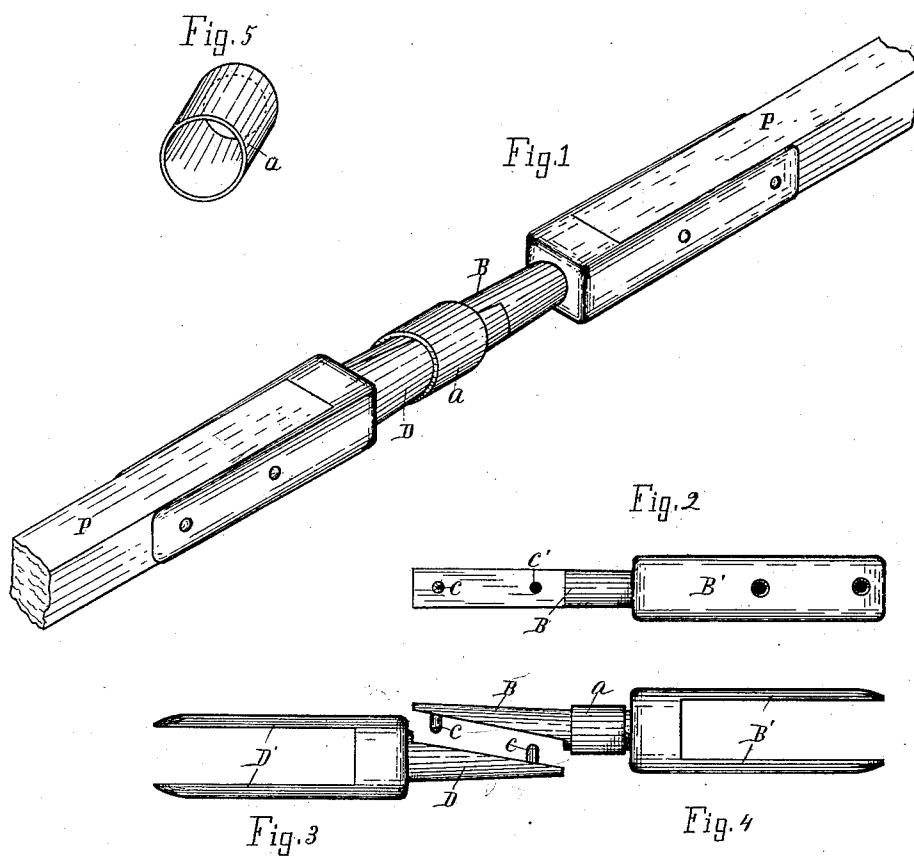
(No Model.)

C. M. BARTHOLOMEW.

PUMP ROD COUPLING.

No. 336,783.

Patented Feb. 23, 1886.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES M. BARTHOLOMEW, OF PLAINWELL, MICHIGAN.

PUMP-ROD COUPLING.

SPECIFICATION forming part of Letters Patent No. 336,783, dated February 23, 1886.

Application filed December 8, 1885. Serial No. 185,035. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. BARTHOLOMEW, a citizen of the United States, residing at Plainwell, county of Allegan, State of Michigan, have invented a new and useful Pump-Rod Coupling, of which the following is a specification.

This invention has for its object an improved construction for detachably coupling pump-rods, designed to facilitate the operation and add to the utility.

In the drawings forming a part of this specification, Figure 1 is a perspective view of the coupling; Fig. 3, a side elevation of the left-hand part of Fig. 1; Fig. 4, a side elevation of the right-hand part of Fig. 1 and the coupling-band; Fig. 2, a bottom view of Fig. 4; and Fig. 5 is the coupling-band in perspective.

Referring to the letters marked on the drawings, D' and B' are the ordinary castings, in the fork of which the sectional parts of the pump-rod P are secured. I provide the casting D' with an extension, D, beveled on one side and tapered toward the free end, and I provide the casting B' with an extension, B, beveled on one side and made substantially all the way of a size, the beveled sides of each extension D' B' being adapted to fit each other when lapped together, as in Fig. 1, so that the coupled portion on which the thimble or coupling-band *a* is located will be larger at one end where it joins one section of the pump-rod, and smaller at the other end where it joins the other section of the pump-rod, thus having a gradual tapered form from one end to the other, so that the coupling-band, which is larger at one end, will slip over the lapped parts and bind them together, as in Fig. 1.

In uncoupling, the band *a* is slipped off to-

ward the small end of the coupled extension, as in Fig. 4. The extension B being substantially the same size at each end, the band *a* may be readily taken off or put on over the free end and slipped to place ready for coupling, as in Fig. 4. The lapped portions are provided with holes *c'* and studs *c*, the latter fitting into the former when the parts are coupled, thus adding strength to the coupled portions of the rod against endwise strain.

The pump-rod itself may be provided with the extensions D' B' in lieu of providing the castings with them.

The extensions D' B' may not necessarily be made round, as shown, so long as they form a tapered coupling portion when lapped and the band *a* conforms to their peculiar shape. The advantages of coupling sections of pump-rod together in a detachable manner are well understood by pumpmen without further details here being given.

Having thus described my invention, what I claim as new is—

The combination of sections of pump-rod provided with end extensions constructed to overlap each other and to form when overlapped a tapered coupling-portion, the engaging-surfaces of the overlapping extensions being provided with studs and holes adapted to fit into each other, and a coupling-band adapted to detachably slide over said lapping extensions, substantially as set forth.

In testimony of the foregoing I have hereunto subscribed my name in presence of two witnesses.

CHARLES M. BARTHOLOMEW.

Witnesses:

E. C. SOUTHARD,
W. L. MORLEY.