

J. H. McGowan,

Patman.

No. 109,138.

Patented Nov. 8. 1870.

Fig. 1.

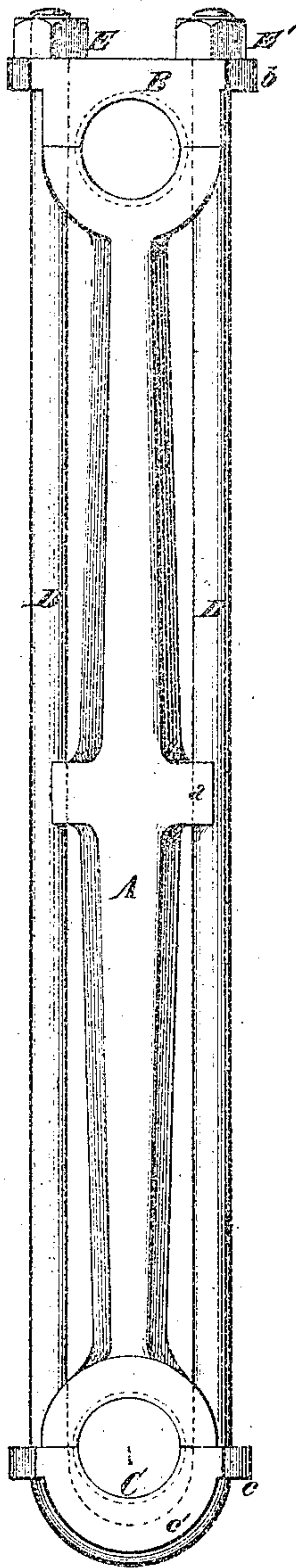


Fig. 2.

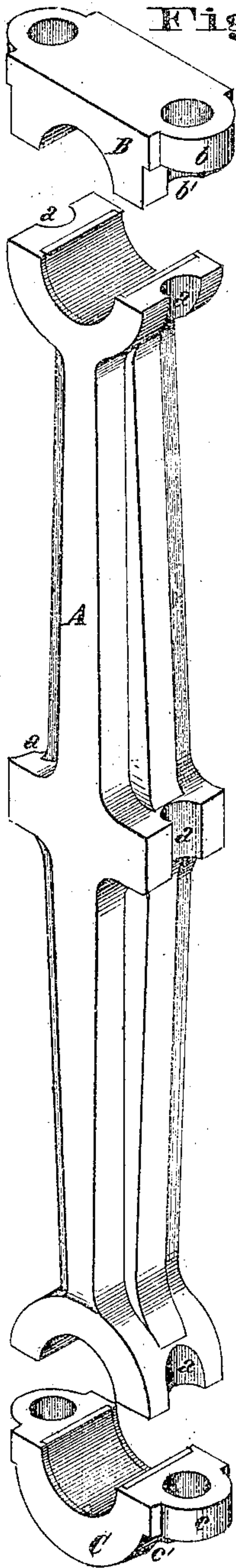
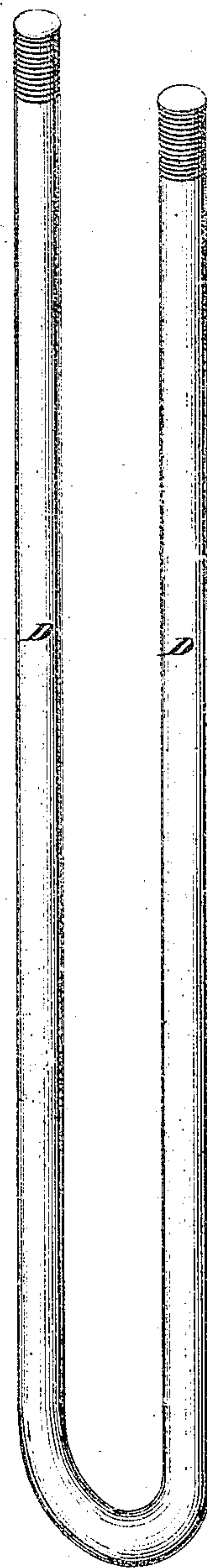


Fig. 3.



Attest.

E. J. Layman
W. A. Harris.

Inventor

John H. McGowan
By J. Millward
Attorney

United States Patent Office.

JOHN H. MCGOWAN, OF CINCINNATI, OHIO.

Letters Patent No. 109,138, dated November 8, 1870.

IMPROVEMENT IN PITMEN.

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

To all whom it may concern:

Be it known that I, JOHN H. MCGOWAN, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Pitmen or Connecting-Rods; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification.

Nature and Objects of Invention.

My invention consists of a peculiar construction, arrangement, and combination of parts composing a pitman, the parts being formed and connected in such a manner as to oppose compressive strain with the cast-iron portion and tensile strain by wrought-iron, and permit of the whole being made cheaply and without skilled workmanship, the object of my invention being to provide a suitable pitman for the side connections of pumps and kindred uses, where costly workmanship is objectionable.

Description of the Accompanying Drawing.

Figure 1 is a side elevation of a pitman embodying my invention.

Figure 2 is a detached perspective view of the cast-iron portions of the pitman.

Figure 3 is a detached perspective view of the wrought-iron portions.

General Description.

A is a cast-iron central column formed with half-

boxes for the journals on the ends, and with concave recesses, *a*, in the sides.

B C are caps formed with half-bearings or boxes corresponding with those on the column A.

These caps are constructed with flanges *b c*, which are perforated as shown.

The cap B is also provided with concave recesses *b'* and the cap C with semicircular groove *c'*.

D is a wrought-iron rod, bent of the U-form shown, the legs being of such width apart as to closely fit the concave recesses *a b' c'*, and pass through the apertures in the flanges *b c*, in the manner shown.

The bent rod D is screw-threaded at the ends and fitted with nuts E E', which serve to secure the parts of the pitman together.

It will be seen that the rod D is of simple round form, screw-threaded at the ends, and bent, and that the castings are of such form as to require no "finishing" except when bored bearings are preferred to "babbiting."

Claim.

A pitman composed of the following elements, viz., recessed column A *a*, caps B *b b'*, C *c c'*, bent rod D, and nuts E E', combined substantially in the manner and for the purpose specified.

In testimony of which invention, I hereunto set my hand.

JOHN H. MCGOWAN.

Witnesses:

FRANK MILLWARD,
J. L. WARTMANN.