

*J. H. McGowan,*

*Patron.*

*No. 102,138.*

*Patented Nov. 8. 1870.*

Fig. 1.

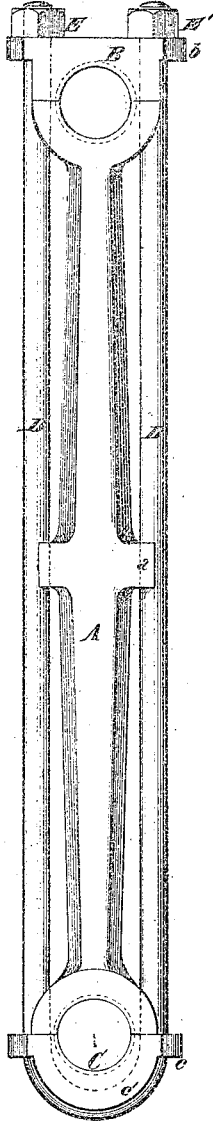


Fig. 2.

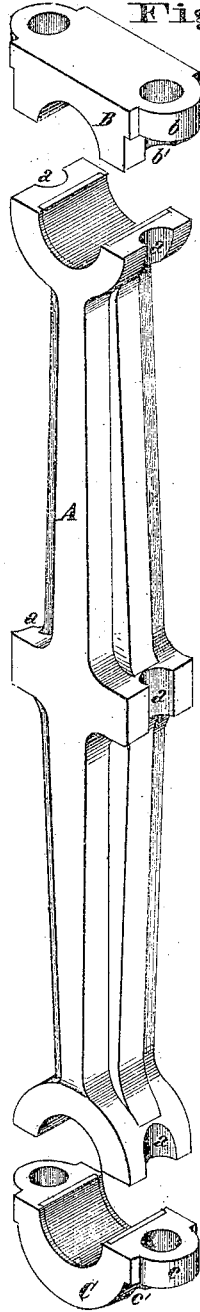
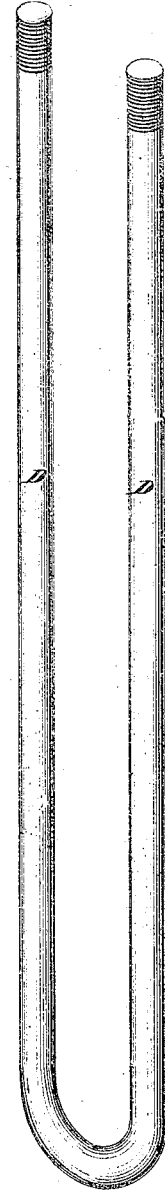


Fig. 3.



Attest.  
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# 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 "babbitting."

### *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.