

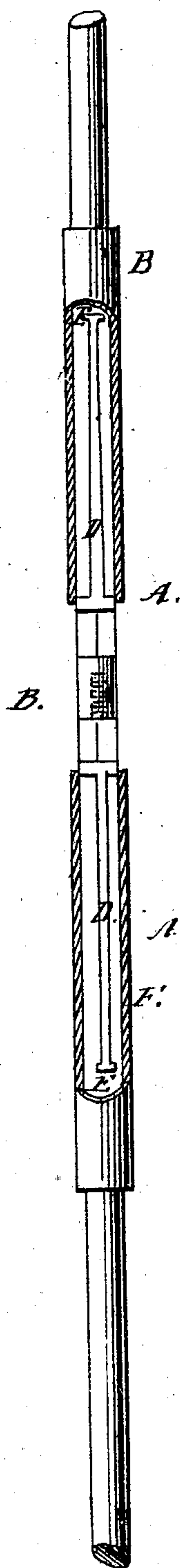
H. F. Purmort.

Connecting Pump-Rods.

N^o 74133

Patented Feb. 4, 1868.

Fig. 1.



Attest:
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H. F. PURMORT, OF SAGINAW CITY, MICHIGAN.

Letters Patent No. 74,133, dated February 4, 1868; antedated January 29, 1868.

IMPROVEMENT IN CONNECTING PUMP-RODS.

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, H. F. PURMORT, of Saginaw City, in the county of Saginaw, and State of Michigan, have invented a new and useful Improvement in Pump-Rods; 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.

The present invention relates to pump and drill-poles or rods, and consists in a novel manner of jointing together the several sections composing the same, whereby rivets are dispensed with, consequently obviating not only all injury to the interior of the pump, now resulting from the breaking and falling of rivets into the same, but also the frequent drawing up of the pump-tube from the well to remove the rivets.

In the accompanying plate of drawings my improvement is illustrated, the figure being a section through the pump-rod, in the direction of its length.

A A, in the drawings, represent the two sections of a pump-rod, jointed together according to the present invention. B, the joint, which consists in slotting or splitting the contiguous end of each section in the direction of the length of the rod, of a shape in cross-section corresponding to that of the shank-portion D of the joint. This shank-portion is made of a taper or wedge-shape, from end to end, with a cross-bar, E, at its outer end, this shank fitting in the split of the pump-rod. F, a sleeve or ferrule, fitting over pump-rod, this sleeve being made of such an internal diameter as will cause it to tightly bind the said rod about the shank D of the joint, and there hold it without the use of rivets or other fastening-devices.

The two sections of the rod provided with the joint above described are then secured together by screwing the end of the one into the end of the other, they being suitably formed therefor, as is shown in the drawings.

In addition to the advantages hereinbefore explained as secured by my improvement, may be here mentioned that the joint is firm, secure, and reliable, and its cost but trifling, and can be repaired with readiness and ease. In lieu of providing the shank with a cross-arm at its end, it may be at any intermediate point between its two ends, and one or more of the same used.

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

Joining the sections of a pump or other rod together by means of the joint, constructed and applied substantially as and for the purpose described.

H. F. PURMORT.

Witnesses:

RACINE PURMORT,
D. M. BENNETT.