

No. 647,756.

Patented Apr. 17, 1900.

F. B. MILLER.
PIPE CONNECTION.

(Application filed Feb. 16, 1900.)

(No Model.)

Fig:1.

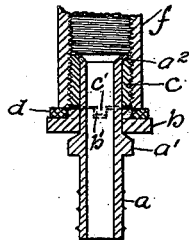


Fig:2.

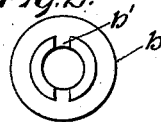
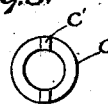


Fig:3.



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FRANK B. MILLER, OF UNIONVILLE, CONNECTICUT, ASSIGNOR OF ONE-HALF
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PIPE CONNECTION.

SPECIFICATION forming part of Letters Patent No. 647,756, dated April 17, 1900.

Application filed February 16, 1900. Serial No. 5,477. (No model.)

To all whom it may concern:

Be it known that I, FRANK B. MILLER, a citizen of the United States of America, residing and having post-office address at Unionville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Pipe Connections, of which the following is a description, reference being had to the accompanying drawings, wherein—

Figure 1 is a view in central longitudinal section of a pipe connection embodying said improvement. Fig. 2 is a face view of the collar, hereinafter referred to, forming a part of said pipe connection. Fig. 3 is an end view of the lower end of an exteriorly-screw-threaded sleeve, hereinafter referred to, which makes engagement with said collar.

The object of the improvement is the production of a pipe connection having features of novelty and advantage.

In the accompanying drawings the letter *a* denotes a tube having a shoulder *a'* and a lip *a²*.

The letter *b* denotes a collar rotarily loose on said tube and abutting against said shoulder.

The letter *c* denotes a sleeve exteriorly screw-threaded and rotarily loose on the tube *a*. The collar and the sleeve are in contact, they being confined on the tube *a* between the shoulder *a'* and the lip *a²*.

The letter *d* denotes a washer of leather or the like. While the collar and the sleeve are

separable from each other, they are loosely connected and so connected that they must rotate together. One mode of attaining this end is to provide the collar with the mortises *b'* and the sleeve with the tenons *c'*.

The letter *f* denotes an interiorly-threaded tube adapted to screw upon the sleeve *c*.

It will be understood that the object is practically to connect the tube *a* and the tube *f*. It is a pipe connection well adapted to the purpose of an inlet-tube for a rubber bicycle-tire. In making connection between tubes *a* and *f* it is convenient to have the parts *b* and *c* rotarily loose. It is also desirable that when the connection is completed the collar be tightly locked against leakage. Both these ends are attained in the construction herein shown and described. The mortises *b'* do not extend entirely through the collar.

I claim as my improvement—

In combination; the tube provided with a shoulder and lip; the collar and the exteriorly-screw-threaded sleeve loose from each other and engaging each other rotarily—both rotarily loose on said tube and longitudinally confined between said lip and shoulder; and the interiorly-screw-threaded tube; all substantially as described and for the purposes set forth.

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