

R.M. Potter's Imp^d Union Coupling.

100665

PATENTED MAR 8 1870

Fig. 2.

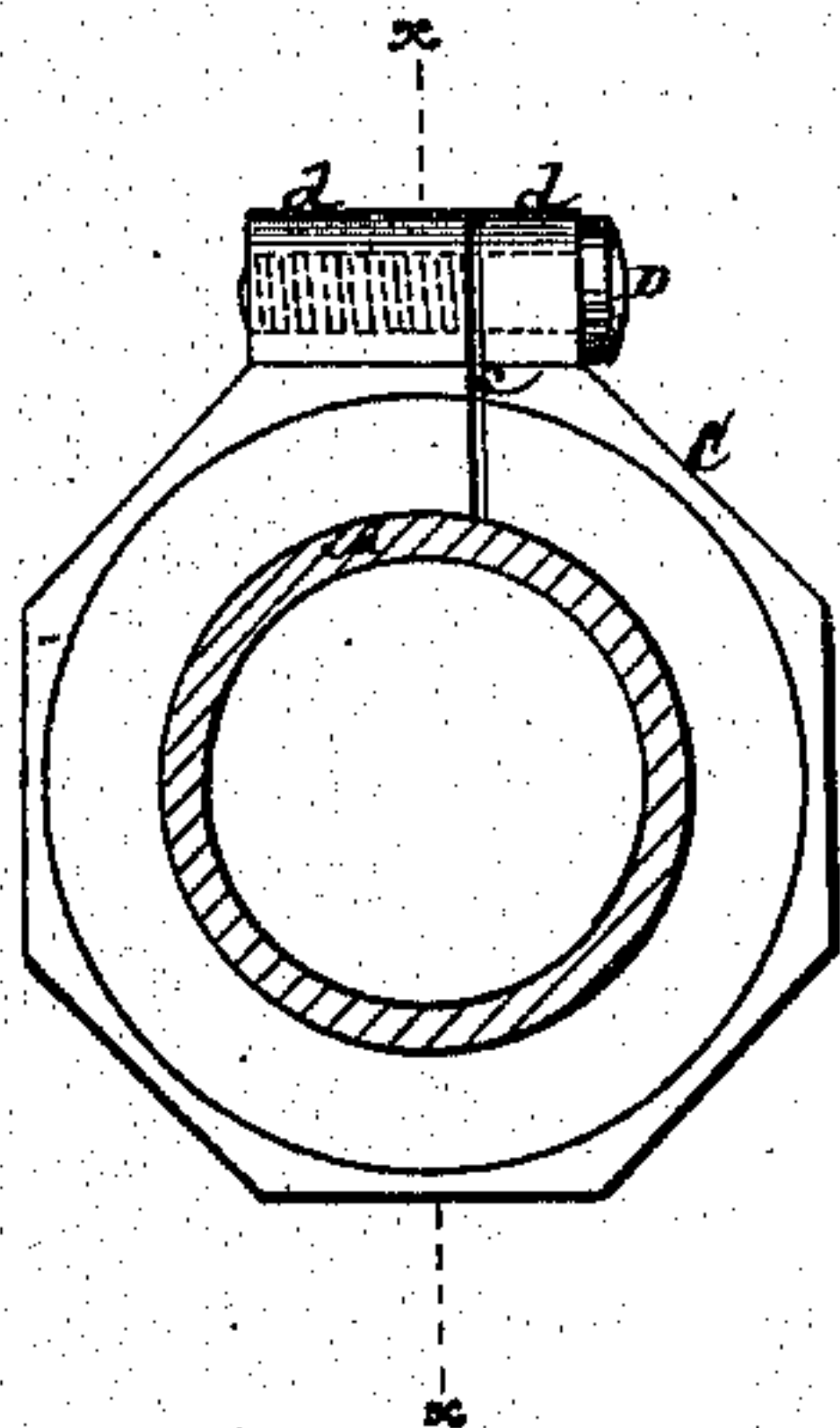
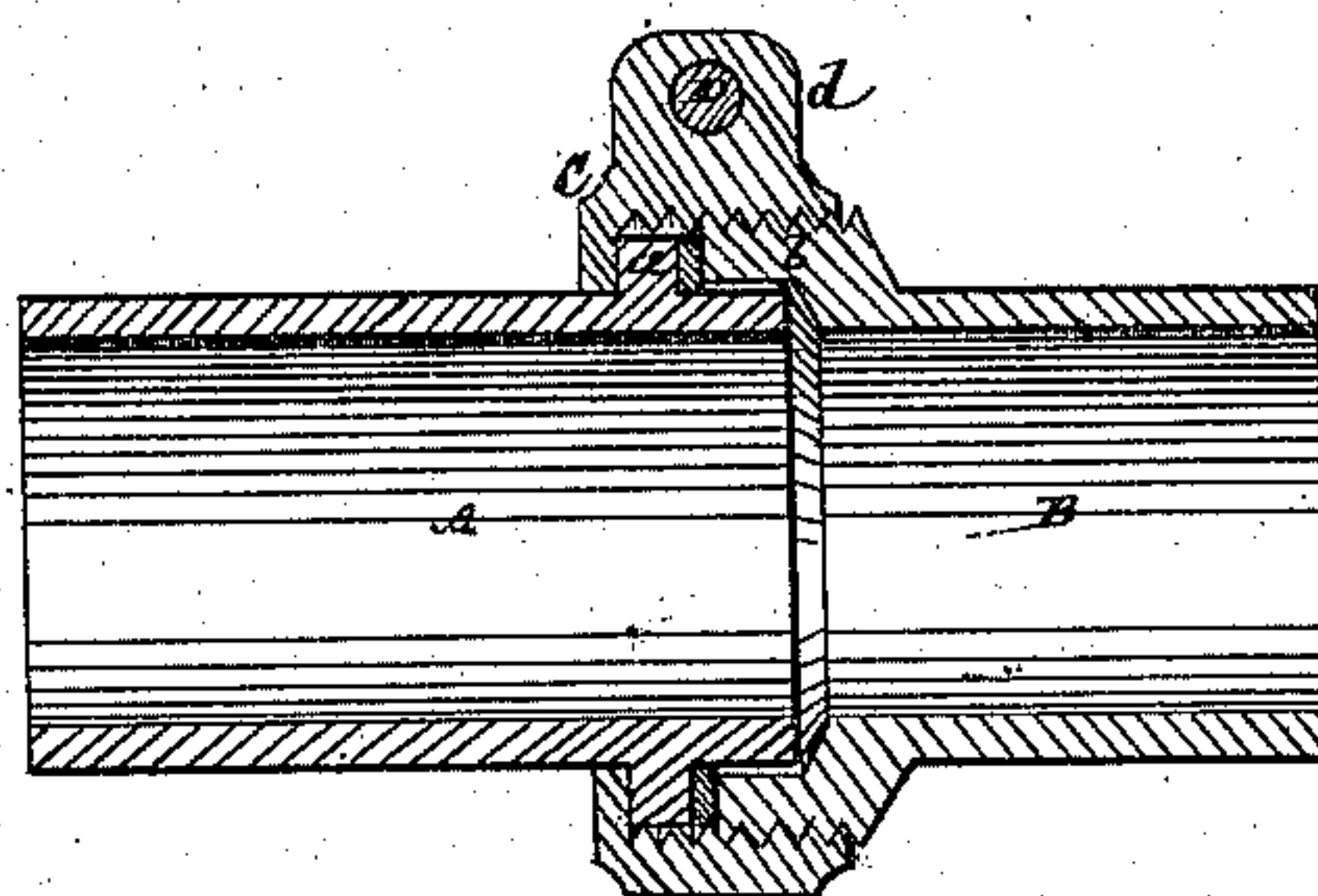


Fig. 1.



Witnesses.

Fred. Haynes
Fred. Trench

Robert M. Potter

United States Patent Office.

ROBERT M. POTTER, OF JERSEY CITY, NEW JERSEY.

Letters Patent No. 100,665, dated March 8, 1870.

IMPROVEMENT IN UNION-COUPPLINGS FOR PIPES.

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, ROBERT M. POTTER, of Jersey City, in the county of Hudson, and State of New Jersey, have invented a new and useful Improvement in Union-Couplings, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a longitudinal section of a union-coupling constructed in accordance with my improvement, said section being taken as indicated by the line *x x* in Figure 2, which is an end view of the same.

Similar letters of reference indicate corresponding parts.

My invention consists in a certain combination of a divided screw-cap and adjusting-screw with the other portions of the coupling, whereby any difference of the circumferences of the male and female screw-thread of the coupling is compensated for, and a firm and perfect coupling obtained.

Referring to the accompanying drawing—

A represents the flanged portion or connection of the coupling, and

B, the male screw-thread connection, both of usual construction.

C is the screw-cap that receives the flange *a* of the connection A within it, and that screws onto the male thread *b* of the connection B, to close or establish the coupling.

This screw-cap C I split or divide, as at *c*, and provide with lugs *d d*, through one of which an adjusting-screw, D, is fitted and made to screw into the other, so that said cap may be more or less opened and closed to adapt it to any different sizes or diameters of the male thread *b*; for although it is usual to cut the screw-threads on such couplings by a standard gauge, yet differences in diameters or sizes will occur, owing not unfrequently to the fact that different parts of the coupling are made by different makers, and from other causes. This difficulty, however, to an easy and proper fit is remedied by the divided construction of the screw-cap C and adjusting-screw D combined; and by the slackening or tightening of the adjusting-screw, increased facility also is afforded for screwing on or off the cap, and of tightening or holding it when on.

What is here claimed, and desired to be secured by Letters Patent, is—

The screw-collar C of a coupling, divided as at *c*, and constructed with lugs *d* and adjusting-screw D, whereby it is rendered capable of expansion and contraction, as and for the purposes set forth.

ROBERT M. POTTER.

Witnesses:

D. C. HEWSON,
HENRY PALMER.