

(No Model.)

2 Sheets—Sheet 1.

T. P. HARDY.
REDUCING PIPE COUPLING.

No. 290,045.

Patented Dec. 11, 1883.

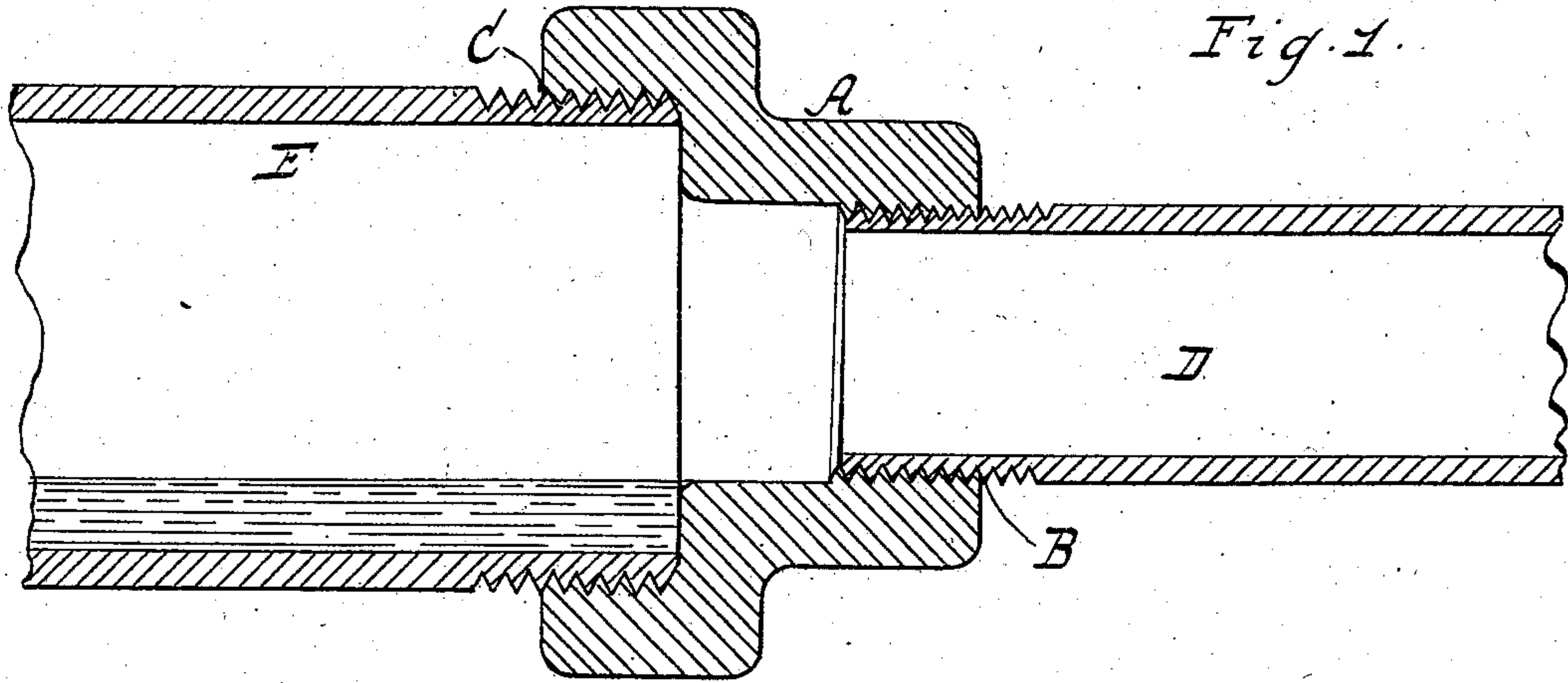


Fig. 1.

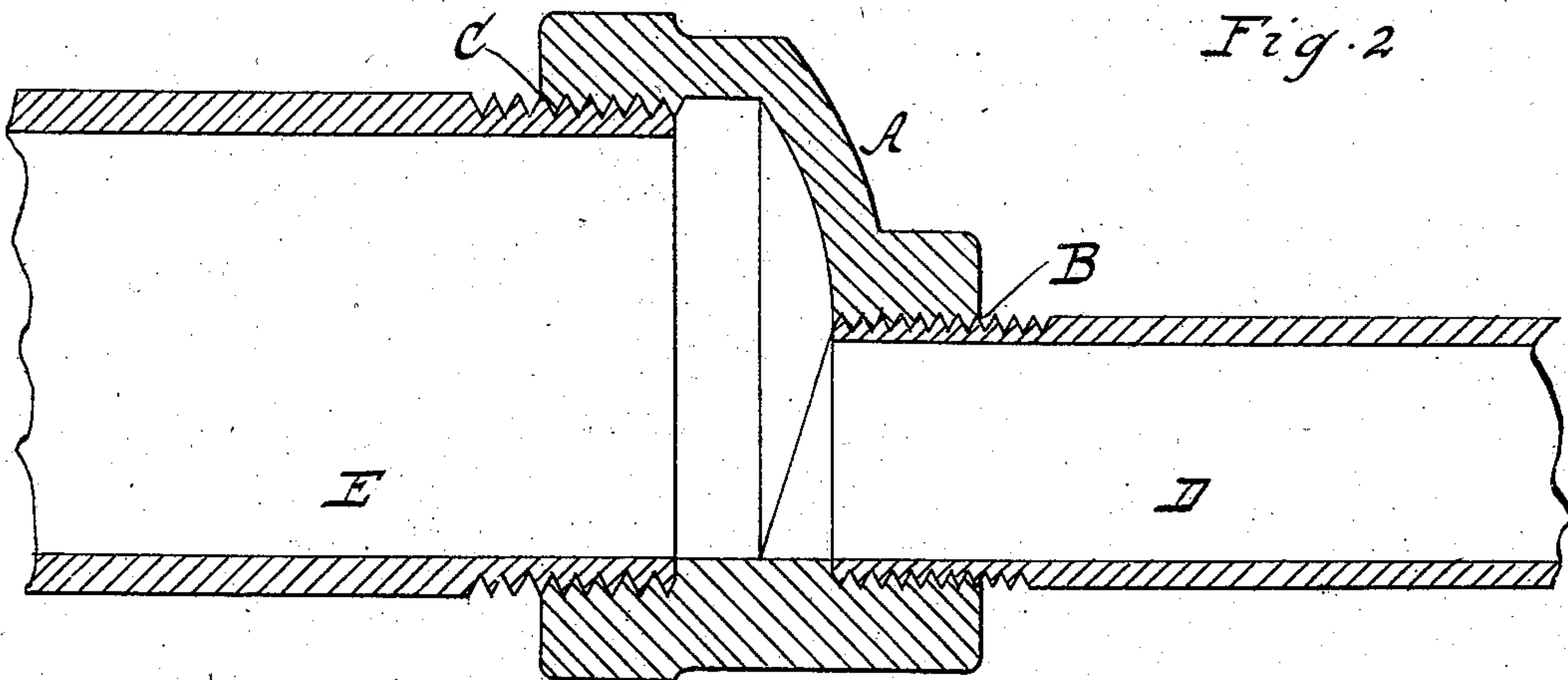


Fig. 2.

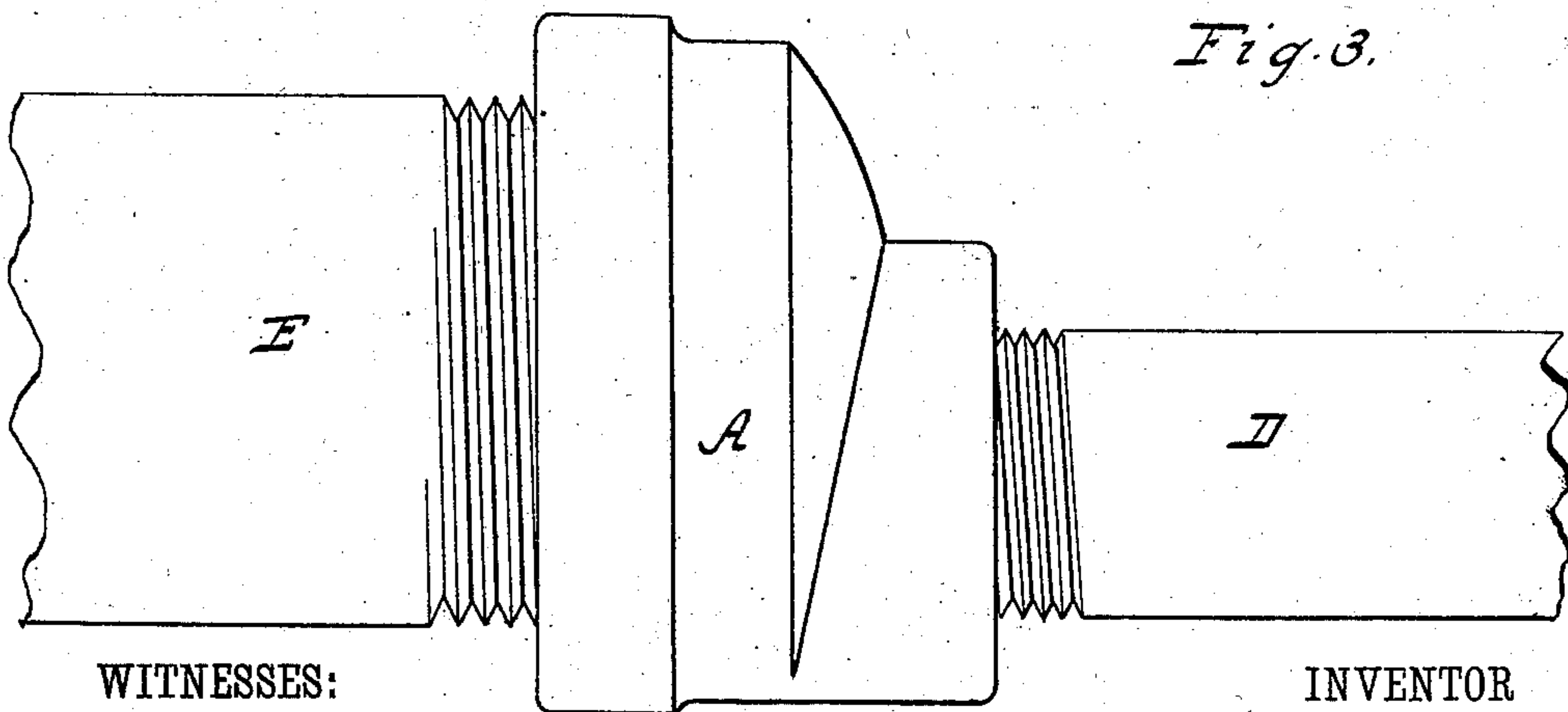


Fig. 3.

WITNESSES:

William Miller
Char. Wahlers.

INVENTOR

Thomas P. Hardy

BY *Van Santvoord & Haupp*
his ATTORNEYS

(No Model.)

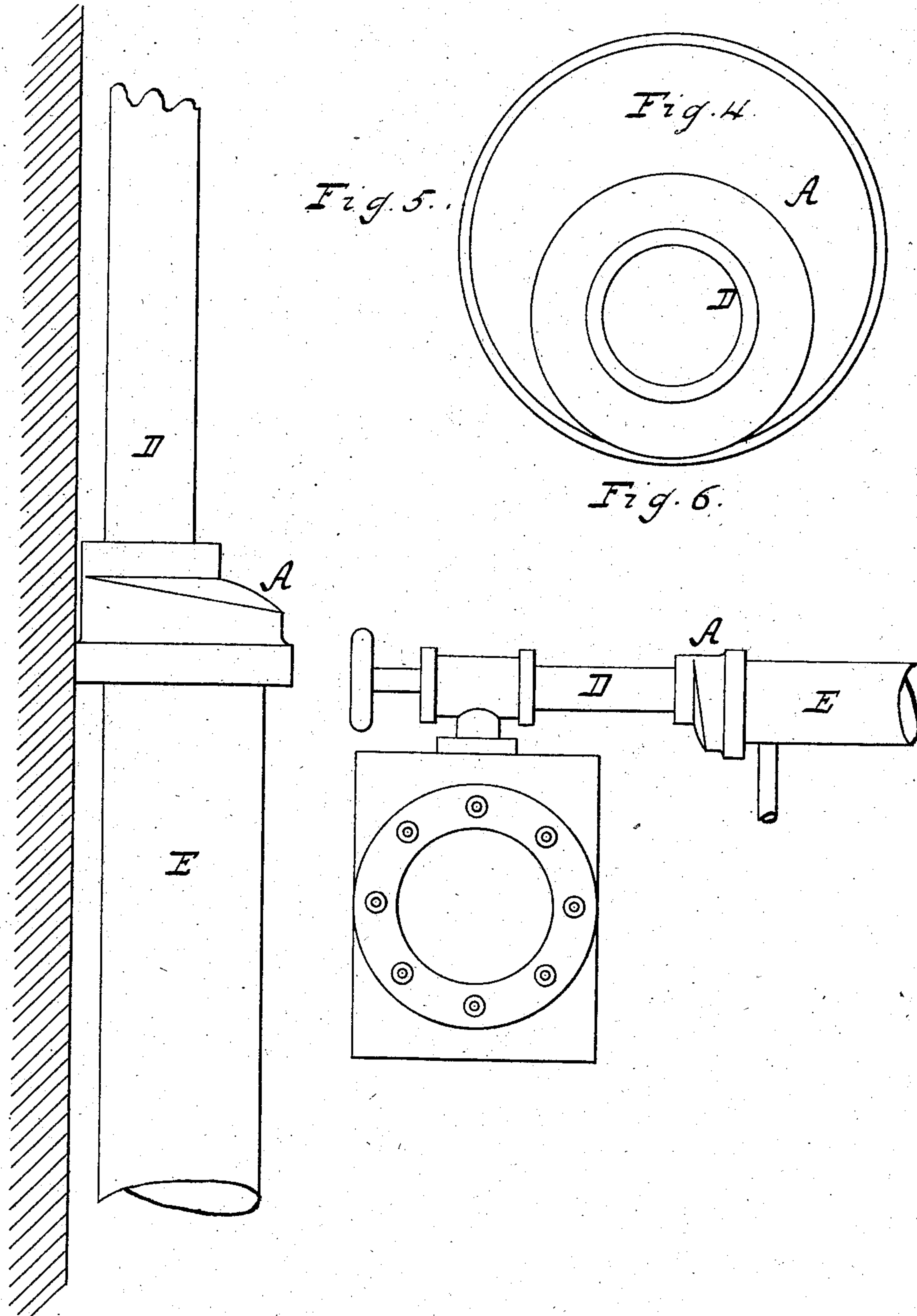
2 Sheets—Sheet 2.

T. P. HARDY.

REDUCING PIPE COUPLING.

No. 290,045.

Patented Dec. 11, 1883.



WITNESSES:

William Miller.
Char. Wablers.

INVENTOR

Thomas P Hardy

BY *Van Santwood & Hauff*
his ATTORNEYS