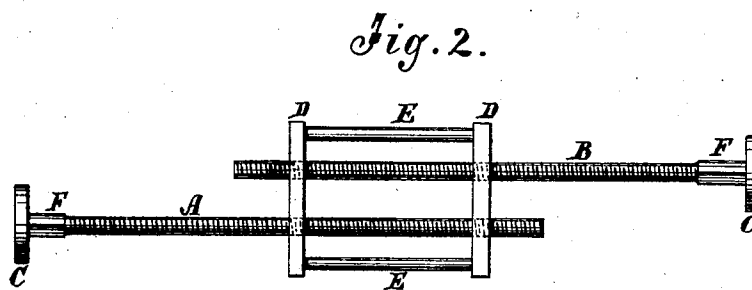
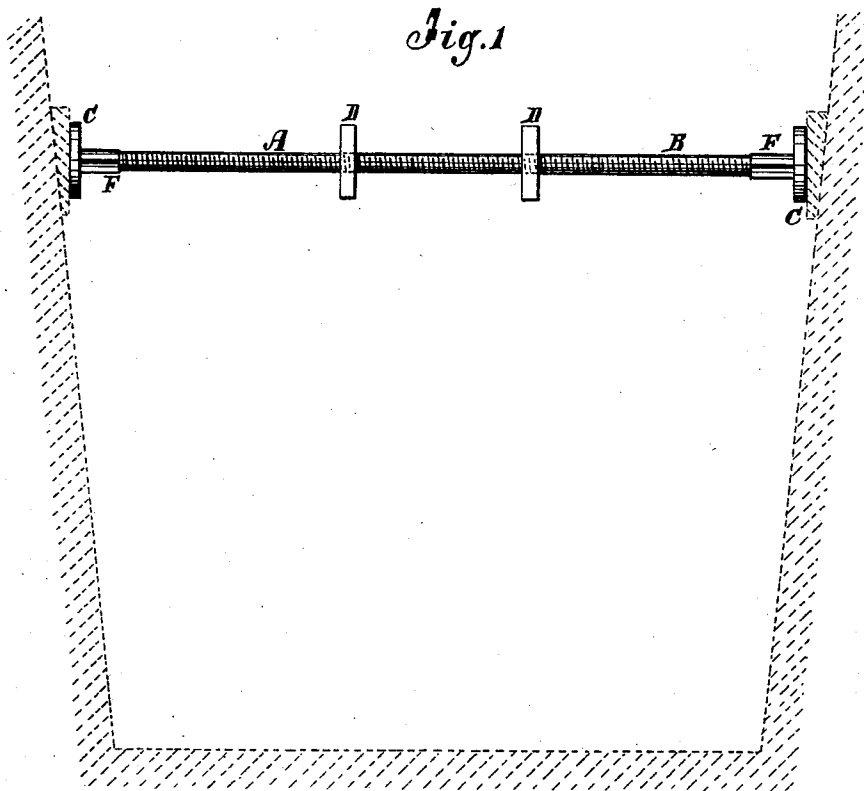


W. REILLY.

Extensible Braces for Supporting Trenches.

No. 145,126.

Patented Dec. 2, 1873.



WITNESSES:

A. Remondet
Dr. J. J. J.

INVENTOR:

W. Reilly
BY *M. J. J.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM REILLY, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN EXTENSIBLE BRACES FOR SUPPORTING TRENCHES.

Specification forming part of Letters Patent No. **145,126**, dated December 2, 1873; application filed October 18, 1873.

To all whom it may concern:

Be it known that I, WILLIAM REILLY, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Brace for Sewers, &c., of which the following is a specification:

My improved brace is designed as a substitute for the wood braces now used to stay the banks of deep cuts for sewers and the like, and has for its object to cheapen the cost and lessen the labor of applying them; and it consists of a couple of strong screws screwed into a center-piece from opposite directions, and having a large head, which are screwed in opposite directions against the sides of the bank. The wood braces commonly used are expensive, because a new brace must be made and specially fitted for every place to be braced, which requires a large amount of material and labor, whereas my braces can be adjusted, as to length, for ditches differing considerably in width, and they have only to be adjusted by turning the screws for applying them.

Figure 1 is a cross-section of a ditch, showing the application of my improved brace; and Fig. 2 is a side elevation of the brace.

Similar letters of reference indicate corresponding parts.

A and B represent the screws, which have a large head, C, and are screwed from opposite directions into a center-piece or nut, so as to be contracted or extended by screwing the bolts in or out. This nut or center-piece consists of two plates, D, which may be connected together by rods E, or not, but it is better to have them connected. A cylindrical block may be used. The bolts are turned by a wrench applied to the square shanks at F.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A brace for staying sewer-banks, formed of the screw-rods A B, with heads C, and the nut or center-piece D E, said parts being arranged so that the screws work parallel to each other, as shown and described.

WILLIAM REILLY.

Witnesses:

A. P. THAYER,
T. B. MOSHER.