

W. M. WALTON.

UNDERGROUND TELEGRAPH LINES.

No. 174,713.

Patented March 14, 1876.

Fig. 1.

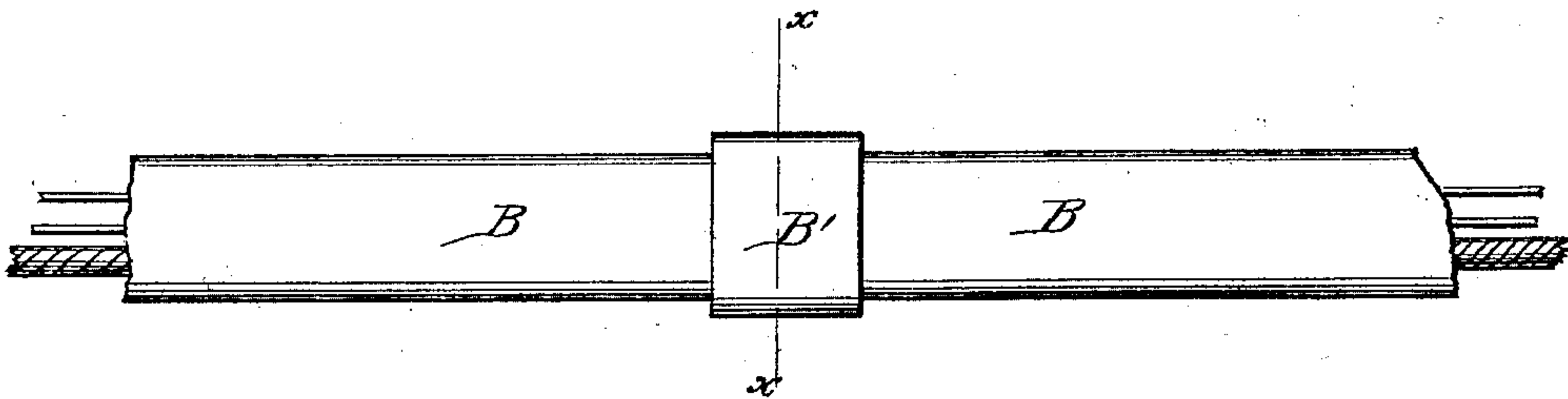


Fig. 2.

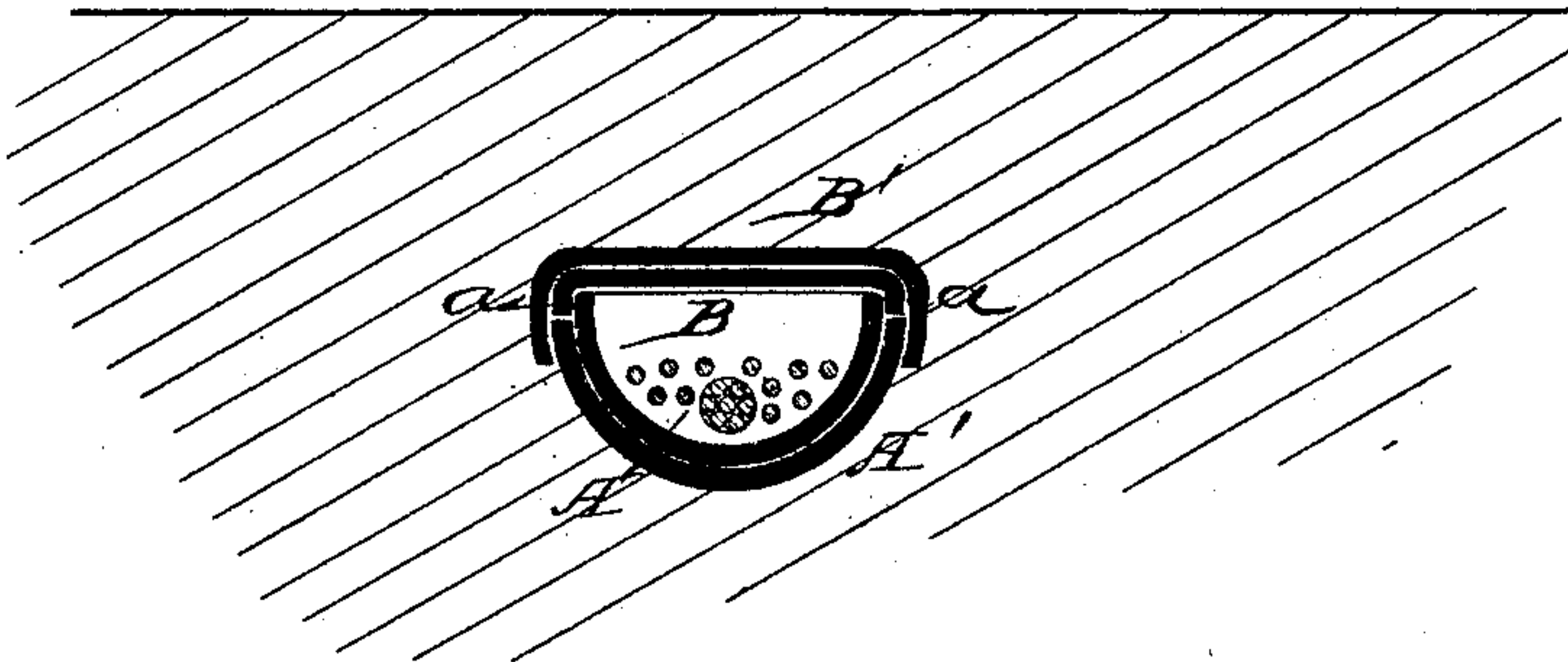
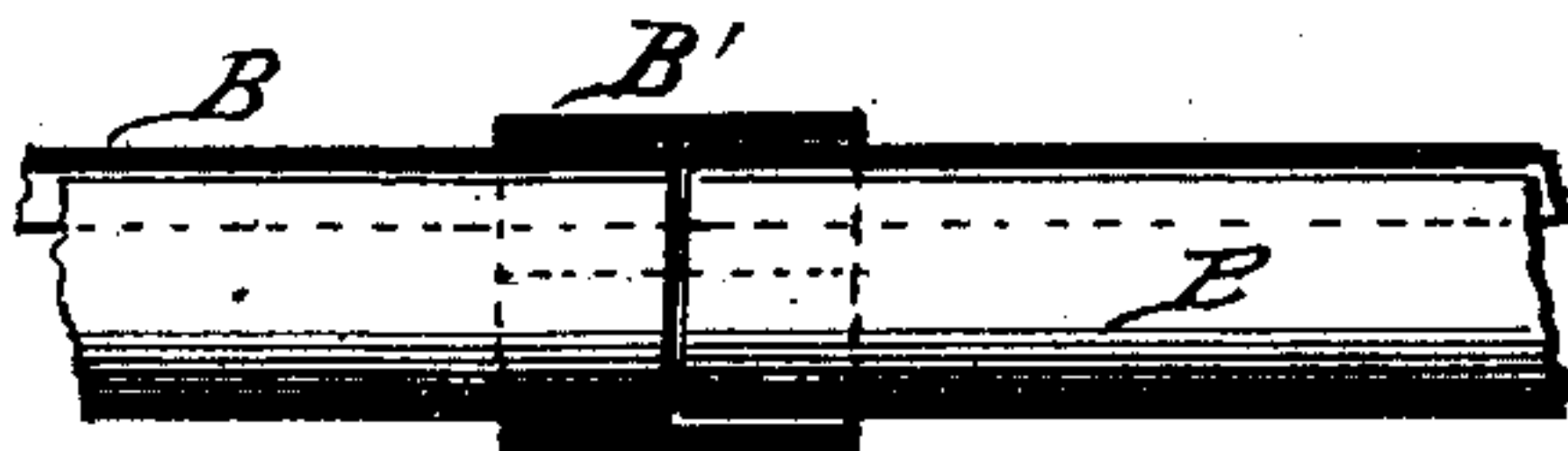


Fig. 3.



WITNESSES:

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IMPROVEMENT IN UNDER-GROUND TELEGRAPH-LINES.

Specification forming part of Letters Patent No. **174,713**, dated March 14, 1876; application filed March 2, 1876.

To all whom it may concern:

Be it known that I, WILLIAM M. WALTON, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Telegraph Pipes or Tubes; 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 which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to tubes or pipes for laying telegraph-wires under ground; and consists in providing a pipe made in two parts, one end of which is provided with a two-part coupling, permanently secured to the pipe, whereby the pipes or tubes may be coupled after the bottom parts are laid, and uncoupled to remove the top, without sliding or moving the coupling longitudinally on the tube or pipe, thus improving the devices heretofore used for this purpose, in which the coupling, or a part of the same, is moved longitudinally when it is desired to open the pipe, which is always difficult to do after the pipe has been laid in the earth for any length of time and become corroded or rusty.

Referring to the annexed drawings, Figure 1 is a plan view of two adjoining sections of pipe. Fig. 2 is a transverse section through line *x x* of Fig. 1, and Fig. 3 is a longitudinal section of the same.

Each section is made of two longitudinal parts, A and B, and may be made of any desired material. The part A forms the bottom, and is represented as made in semicircular form, and the part B, forming the top, may be constructed flat, as shown, or curved more or less, as desired, and is provided with longitud-

inal flanges *a a* along its edges, to overlap the bottom part A. Each section thus constructed is provided at one end with its own coupling, consisting of two parts, A' and B', of the same general shape as the pipe, and the two parts secured to the two parts of the pipe A and B, respectively, so that the adjoining end of the next section having no coupling will fit therein.

The bottom parts A of the pipes are laid, and the telegraph-wires placed therein, after which the top parts B are placed thereon, and covered with earth.

It will readily be seen that, when necessary for repairs or other cause, the top part of any section can readily be removed and replaced without disturbing the adjoining section, without the trouble of pounding or driving the coupling, or any part of the same, longitudinally on the pipes or tubes; and, further, the couplings being permanently secured, the pipes preclude all possibility of the same being lost.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

A pipe or tube for laying telegraphs composed of two parts, A B, as described, each part being provided with the parts of coupling A' and B', secured to the tube, whereby the tubes can be laid and taken up without moving the coupling, or any part thereof, independently of the tube, substantially as and for the purpose herein specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM M. WALTON.

Witnesses:

FRED W. SEARING,
ISAAC M. WALTON.