T. E. MURRAY.

METHOD OF MAKING REINFORCED MOLDED CONDUITS.

APPLICATION FILED JAN. 6, 1921.

1,387,065. Patented Aug. 9, 1921.

Fig. 1.

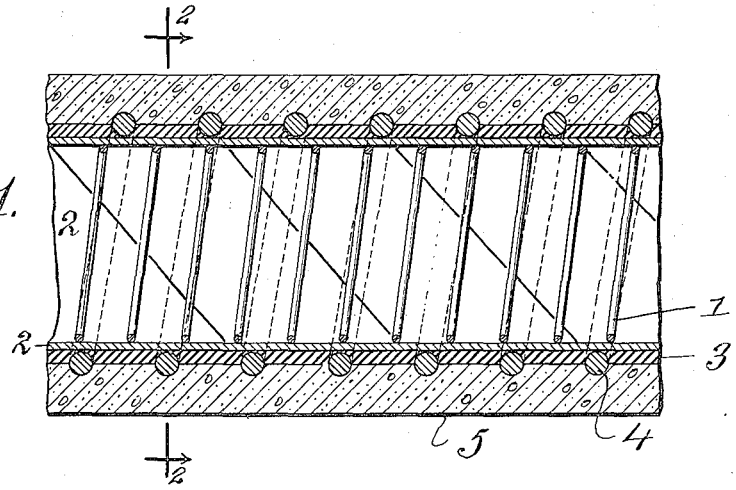


Fig. 2.

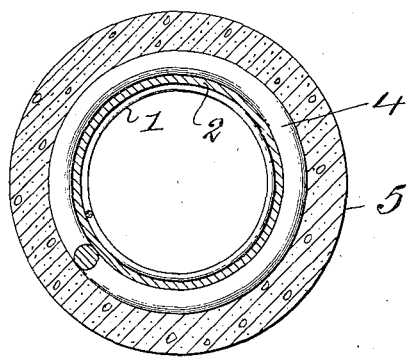
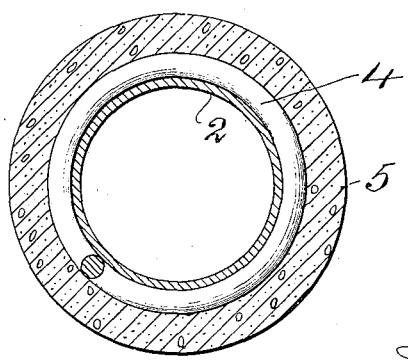


Fig. 3.



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UNITED STATES PATENT OFFICE.

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METHOD OF MAKING REINFORCED MOLDED CONDUITS.

1,387,065. Specification of Letters Patent. Patented Aug. 9, 1921.

Application filed January 6, 1921. Serial No. 435,406.

To all whom it may concern:

Be it known that I, THOMAS E. MURRAY, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Methods of Making Reinforced Molded Conduits, of which the following is a specification.

Conduits of cement or like plastic material have been molded upon a spiral core of wire or the like provided with a cover or wrapping of paper or similar flexible material. My present invention is a method of making a reinforced conduit of this type.

In the accompanying drawing—

Figure 1 represents in longitudinal section a portion of the conduit and core therein. Fig. 2 is a transverse section on the line 2, 2 of Fig. 1. Fig. 3 is a similar transverse section, with the spiral core removed.

Similar numbers of reference indicate like parts.

In performing my method, I first make a spiral core 1 of wire or strip metal. Upon said core I apply preferably by wrapping, a cover 2 of paper or similar flexible sheet material. To this cover I next apply a coating 3 of pitch or other viscid adhesive material which will harden. While the pitch coating is still viscid, I wind thereon a spiral wire or metal strip 4, and upon the said coated and wound core I apply plastic cement or concrete 5 to form the conduit body, which I allow to become hard. Finally, I withdraw the core 1.

The spiral wire 4 becomes embedded in the wall of the conduit, and so reinforces the same. The cover 2 remains firmly attached to the spiral 4 and cement 5 by the pitch 3, and so forms a smooth inner surface for the conduit bore.

I claim:

1. The method of making a reinforced molded conduit, which consists in, first, applying to a tubular lining constructed to fit within said conduit, a coating of adhesive material; second, inclosing said coated lining in a spiral strip of metal; third, coating said lining with plastic material to form the conduit body.

2. The method of making a reinforced molded conduit, which consists in, first, producing a spiral metal core; second, covering said core with flexible material; third, applying to said cover a coating of adhesive material; fourth, inclosing said coated core in a spiral strip of metal; fifth, forming upon said coated and covered core a conduit body of plastic material and allowing same to harden, and sixth, withdrawing said spiral core.

In testimony whereof I have affixed my signature in presence of two witnesses.

THOMAS E. MURRAY.

Witnesses:
GERTRUDE T. PORTER,
MAY T. MCGARRY.