H. B. BUCK & D. H. IRLAND.

Coffins and other Articles of Paper Pulp.

No. 212,655. Patented Feb. 25, 1879.

Fig. 1.

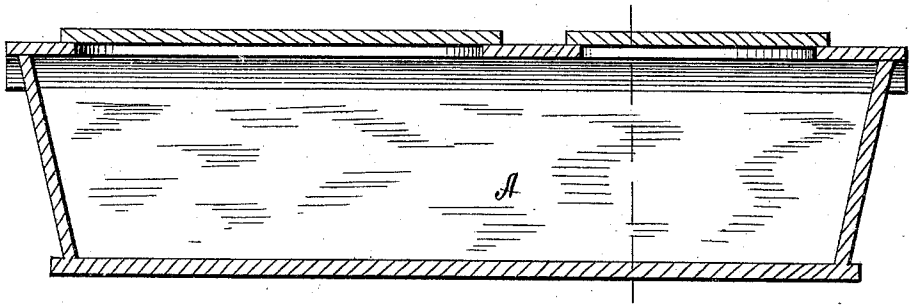
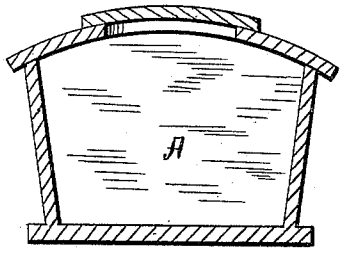


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

HORATIO B. BUCK AND DAVID H. IRLAND, OF SPRINGFIELD, ILLINOIS.

IMPROVEMENT IN COFFINS AND OTHER ARTICLES OF PAPER-PULP.

Specification forming part of Letters Patent No. **212,655**, dated February 25, 1879; application filed October 31, 1878.

To all whom it may concern:

Be it known that we, HORATIO B. BUCK and DAVID H. IRLAND, of Springfield, in the county of Sangamon and in the State of Illinois, have invented certain new and useful Improvements in Underground Receptacles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

Our invention relates to receptacles that are to be used under ground, or buried in the ground, such as burial-caskets, gas-pipes, water-pipes, &c.; and it consists in constructing such receptacles of pulped fiber treated with chemicals, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a longitudinal vertical section of a burial-casket embodying one form of article made with our invention. Fig. 2 is a cross-section of the same.

These representations are simply to show a form of article embodying our invention.

A represents a burial-casket, which is made of compressed pulped fiber, such as wood-fiber, papier-maché, or any of the known varieties of fibrous substances which are capable of being compressed into form.

The article desired is to be made in molds, and with a sufficient degree of pressure that will make it solid and firm.

The pulped fiber is treated with silicates of potash and soda, and in some instances resins, which will make the casket water-proof.

Our invention is intended for all receptacles that are used under ground, such as, in addition to burial-caskets, gas-pipes, water-pipes, &c. In all cases they are manufactured from pulped fiber through or by the use of molds, and rendered water-proof by the use of chemicals.

We are aware that coffins made of papier-maché and of pulp are not new, and we do not claim such, broadly, as our invention.

We do not wish to be understood as broadly claiming pulp treated with chemicals to form a non-inflammable wood by what is known as the "Fleury Process," nor do we wish to claim slabs of fiber, pulp, &c., treated with chemicals.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

An underground receptacle pressed into form by a mold, said receptacle being made of pulped fiber which has been treated with chemicals to make the same water or moisture proof, substantially as herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 30th day of September, 1878.

HORATIO B. BUCK.
DAVID H. IRLAND.

Witnesses as to Horatio B. Buck:
W. J. CONKLING,
F. L. MATTHEWS.

Witnesses as to David H. Irland:
J. B. GRAHAM,
EZRA CRANE.