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Kidder

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(54) **CISTERN, RESERVOIRS, VATS, &C.**

(76) Inventor: **Levi Kidder**

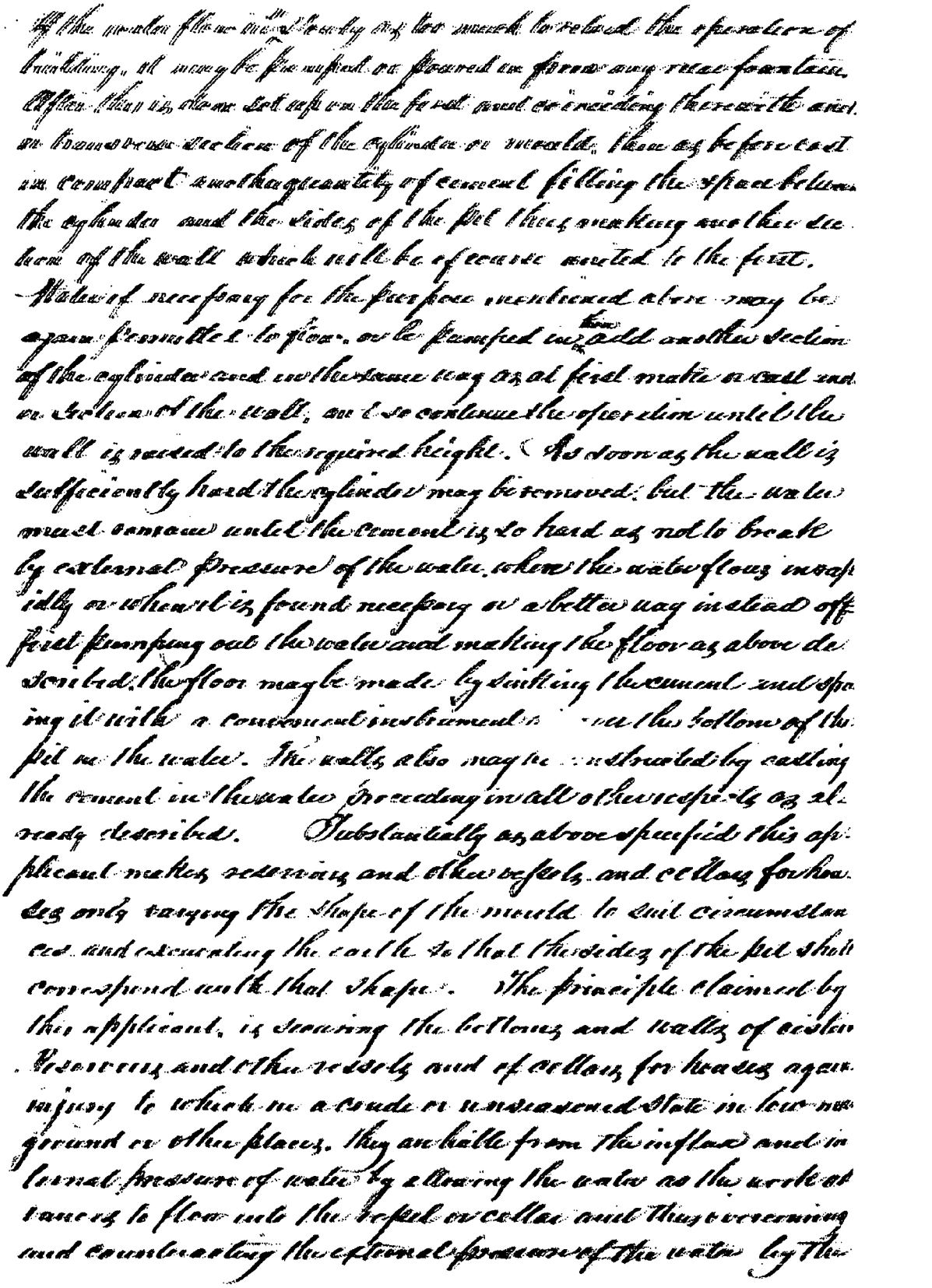
Jesse Middleton
Letters Patent

To all whom it may concern be it known that I Jesse Middleton of the town of Cranbrook in the County of Kent have invented a new and improved method of constructing cisterns and I do hereby declare that the following is a full and exact description thereof reference being had to the accompanying drawings forming part of this specification.

In the case of a cistern which is to be constructed according to my invention I first make a mould which is to be used in forming the bottom of the cistern. This mould consists of a circular piece of wood of the size required for the bottom of the cistern and to the edge of this piece of wood I attach a number of segments of wood which when put together form a hollow cylinder the height of which is equal to the depth required for the cistern. I then take a piece of sacking and cut it into a circular form of such a size that it will cover the mould and hang down over the sides of the cylinder. I then place the sacking over the mould and fill the cylinder with dry sand which I ram down hard. I then remove the segments of wood forming the cylinder and place the mould with the sand and sacking in the position in which it is intended the bottom of the cistern shall stand. I then take a quantity of cement mortar and spread it evenly over the surface of the sand and sacking to the depth of about one inch. This forms the bottom of the cistern. I then build the walls of the cistern on the edge of the bottom in the usual manner using cement mortar for the purpose. When the walls have been carried up to the required height I plaster the inside of the cistern with cement mortar and finish off the top with a coping of stone or brick.

The advantages of my invention are that a cistern can be constructed by it at a much less cost than by the ordinary method and that the cistern when finished is perfectly water tight and will not require repairing for many years.

What I claim as my invention and desire to secure by Letters Patent is the method of constructing cisterns as described above.



material as aforesaid and [illegible] of the same shape. Also the forming of the walls of such houses and cellars by making them in a mould of which the width of the walls of the [illegible] one side and corresponding thereto a wall made of boards or other materials constitutes the other side.

Also the sinking of the casement and forming the bottoms of the vessels, and of cellars and the like as aforesaid in the earth.

Witnesses
G. R. J. Bourdeine
James Bourdeine

Levi Ridder

(828 words)

(Granted 5 November 14, 1835)

Drawing not necessary see statute 21st Jan 1835