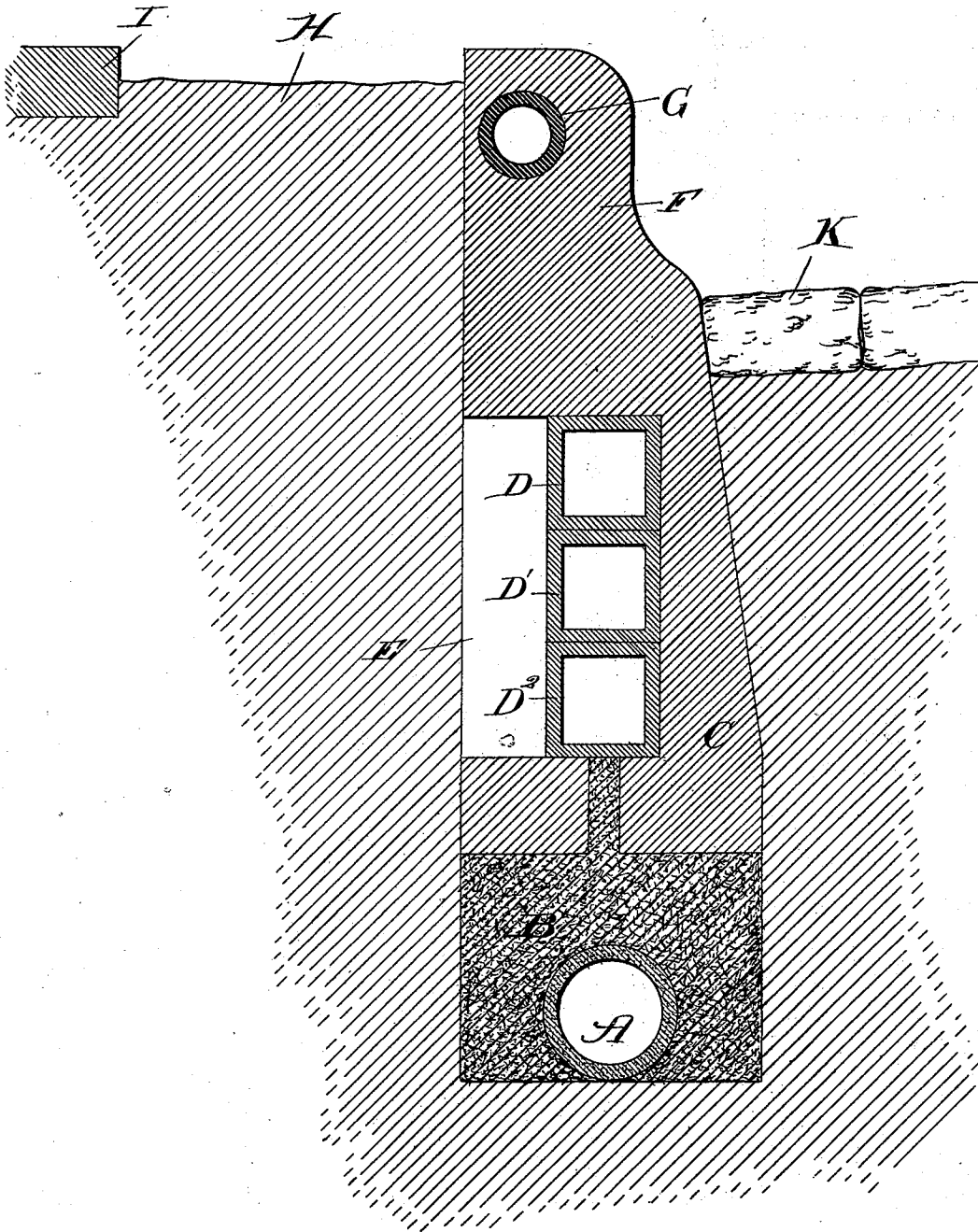


(No Model.)

N. SAMPSON.
COMBINED CURB AND CONDUIT.

No. 506.018.

Patented Oct. 3, 1893.



Witnesses:
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UNITED STATES PATENT OFFICE.

NELS SAMPSON, OF NORWOOD PARK, ILLINOIS.

COMBINED CURB AND CONDUIT.

SPECIFICATION forming part of Letters Patent No. 506,018, dated October 3, 1893.

Application filed April 18, 1893. Serial No. 470,849. (No model.)

To all whom it may concern:

Be it known that I, NELS SAMPSON, of Norwood Park, Cook county, Illinois, have invented certain new and useful Improvements in a Combined Curb and Conduit, of which the following is a specification.

My invention relates more particularly to conduits constructed especially for the accommodation of electric wires, gas supply pipes, water supply pipes, and pipes for furnishing compressed air; and the invention consists in the features and details of construction hereinafter described and claimed.

The drawing represents a vertical transverse section of my improved curb and conduit.

The principal object of my invention is to provide a simple, economical and efficient method of constructing a combined curb and conduit, for use especially in suburban towns and villages where the ordinary curbing and conduits of a city would be too expensive for use.

A further object of my invention is to provide means by which the conduits may be kept drained and free from moisture which might be liable to accumulate in a position under ground, and means for transmitting compressed air and at the same time strengthening the upper portion of the conduit which forms the curb.

In constructing my improved curb and conduit, an excavation is first made, at the side of the road where it is desired to build the curbing, to a sufficient depth. A drain pipe, A, preferably made of ordinary tiling, is laid in suitable position, and surrounded with a sufficient amount of gravel, which will allow the water and moisture to percolate and enter the tiling, and form a foundation for the conduit proper. On this foundation of gravel, I then build the conduit portion, C, of artificial stone, formed preferably of a mixture of broken stone, sand and cement, which hardens and forms a concrete or artificial stone. Embedded in suitable position in the cement, as the conduit is being constructed, are tiles D, D' and D², preferably rectangular in a transverse section, and made preferably of glazed or vitrified tiles, and which are de-

signed to hold either gas pipes, water pipes, or electric cables, as may be desired. At one side of the conduit—that adjacent to the park way—I leave an opening E, which may extend into the curbing sufficiently to enable a person to reach the wires or piping contained in the conduits, for the purpose of inserting new wires or connectors. It will be understood that these openings may be of any required number, and located at regular intervals, so as to allow for the repairing or inserting of new wires, or the making of connections with the piping in the conduit. The cement and broken stone is built to a sufficient height to form a curbing, F, for the road way. An iron pipe, G, is located preferably in the upper part of this curbing, intended principally for the transmission of compressed air, and which serves to strengthen that portion of the curbing and insure greater durability to the structure.

When it is desired to repair any of the wires or pipes contained in the conduit, it is only necessary to excavate the park way, H, between the curb and the side walk I, at a point opposite one of the openings in the conduit, and make the necessary repairs or insertion of new wires, and then fill in the excavation.

It will thus be seen that I have provided a combined curb and conduit, which obviates the necessity of tearing up or disturbing the road way, K, and which provides means by which the conduit portion is readily accessible, means by which it is kept well drained and free from moisture, and means for strengthening the upper portion which forms the curb proper.

Instead of excavating the park way for the purpose of getting at the conduit, vaults may be located at each of the openings to the conduit, and covered with the ordinary flagging of a side walk.

I claim—

1. A combined curb and conduit, comprising a drain pipe covered and inclosed in a bed of gravel, a bed of gravel forming a foundation for the curb and conduit proper, a conduit proper formed of artificial stone and tiling embedded in the artificial stone forming

the curb and conduit proper, substantially as described.

2. A combined curb and conduit, comprising a drain pipe covered and inclosed in a bed of gravel, a bed of gravel forming a foundation for the curb and conduit proper, a conduit proper formed of artificial stone, tiling
5 embedded in the artificial stone forming the

curb and conduit proper, and a metallic pipe located near the top of the curb to strengthen the same, substantially as described.

NELS SAMPSON.

Witnesses:

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