

(No Model.)

R. T. BRYANT & D. TOSTEVIN.

FOUNDATION FOR PAVEMENTS.

No. 279,701.

Patented June 19, 1883.

Fig. 1.

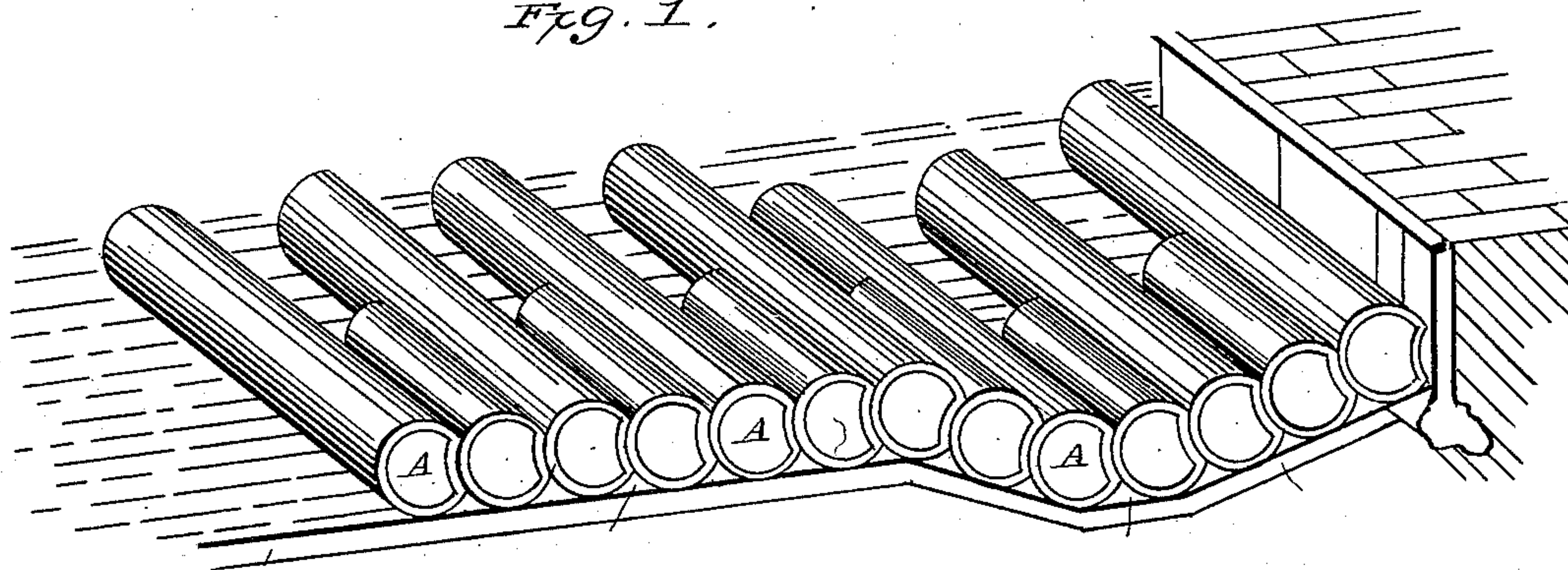


Fig. 2.

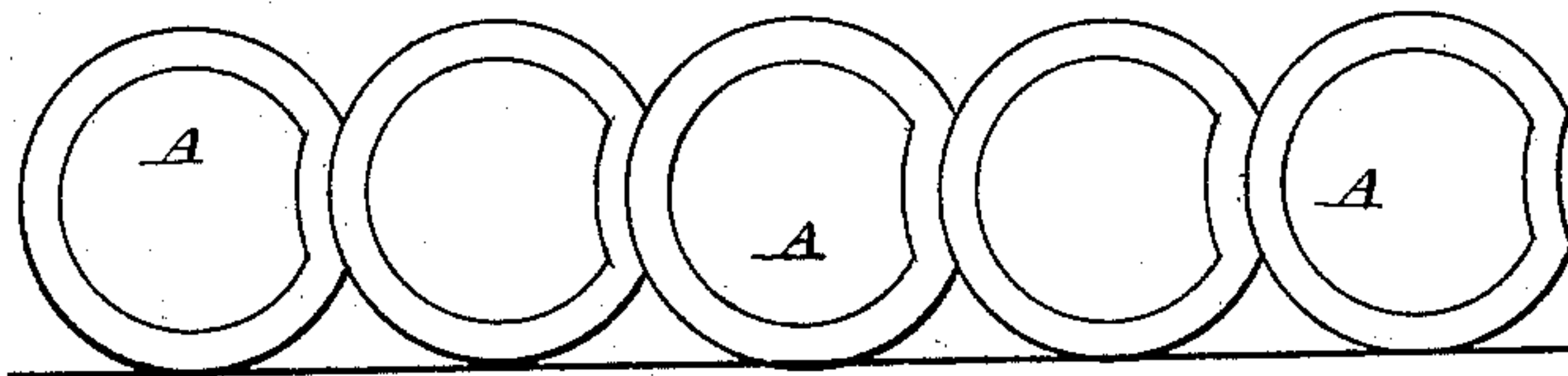
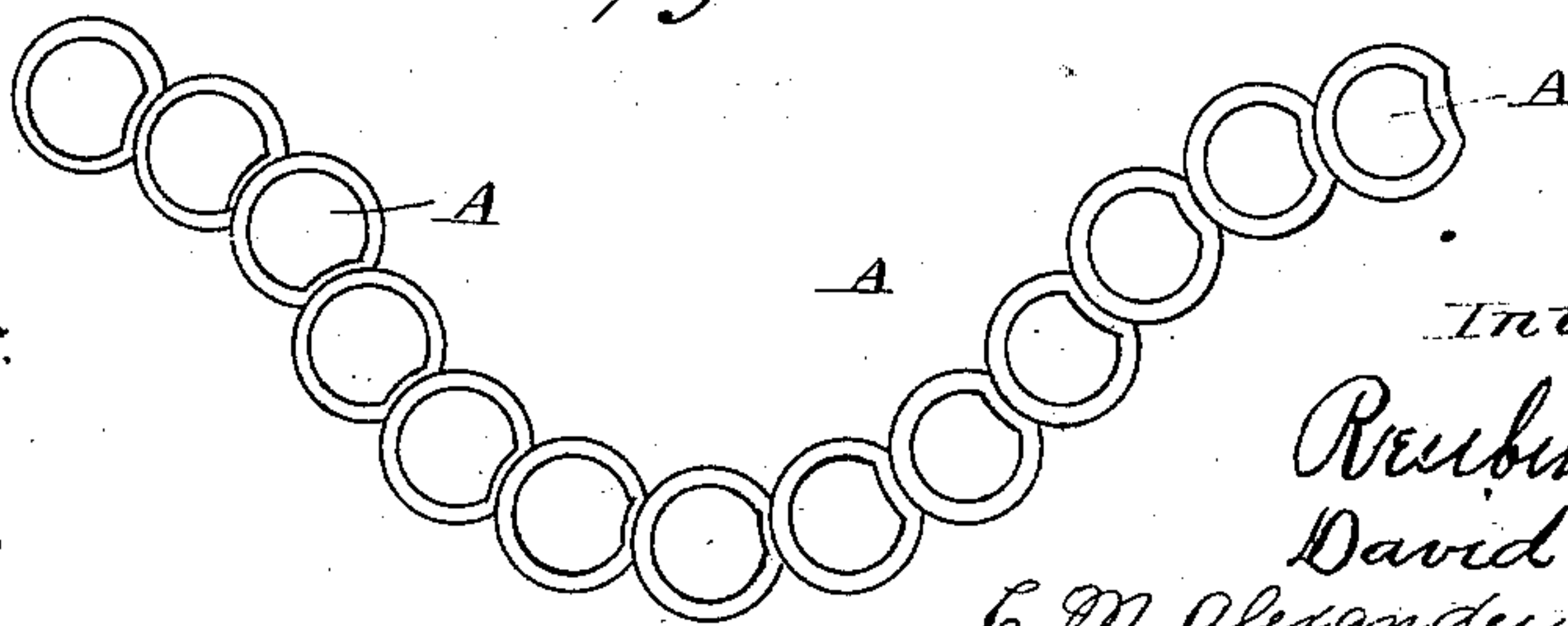


Fig. 3.



Witnesses.
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REUBEN T. BRYANT AND DAVID TOSTEVIN, OF COUNCIL BLUFFS, IOWA.

FOUNDATION FOR PAVEMENTS.

SPECIFICATION forming part of Letters Patent No. 279,701, dated June 19, 1883:

Application filed April 10, 1883. (No model.)

To all whom it may concern:

Be it known that we, REUBEN T. BRYANT and DAVID TOSTEVIN, citizens of the United States, residing at Council Bluffs, in the county of Pottawattamie and State of Iowa, have invented certain new and useful Improvements in Foundations for Pavements, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to foundations for pavements and roads or streets, and has for its object the formation of a base which will not only be firm and durable, but which will form an under drain to carry away water or impurities when necessary.

In the accompanying drawings, making a part of this specification, Figure 1 represents a perspective view, and Figs. 2 and 3 end views, of our invention.

Heretofore tedious and expensive preparations have been used in laying foundations; but we provide one which is easily and rapidly made, and one upon which any preferred finish can be built without liability of disarrangement from frost or heavy pressure.

In the accompanying drawings, A A represent a series of hollow pipes or tubes made of suitable length and diameter to be adapted to the work to be done. These tubes are made concavo-convex on one side—that is, they have a curved groove running longitudinally of them, which is formed upon one side, the concavity of said groove conforming to the convexity of the opposite side of the tube, so that when two of the tubes or pipes are laid side by side the convex side of one will fit snugly

in the concave groove of the other, as is fully represented in the figures. It is evident that the pipes thus formed readily fit and conform themselves to inequalities of the earth upon which they are laid, as in case of gutters or drains. Before laying these pipes we prepare the street or road bed in any of the well-known and usual ways, using sand and cement or other suitable material. We prefer to use a cement mixture immediately beneath and above the pipes at their point of contact, filling up the gutters or spaces on each side flush or a little more than flush with the upper and lower peripheries of the pipes. When the pipes have been thus laid and cemented, any superstructure may be built upon them which may be desired. It is evident that these pipes may be perforated for drainage, or that suitable drainage may be effected from their open ends.

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

A foundation for roads or sidewalks, constructed of a series of pipes or tubes, A A, having formed in their sides longitudinal concavo-convex grooves, said tubes or pipes being connected together, substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

REUBEN T. BRYANT.
DAVID TOSTEVIN.

Witnesses:

W. H. SQUIRE,
E. L. SQUIRE.