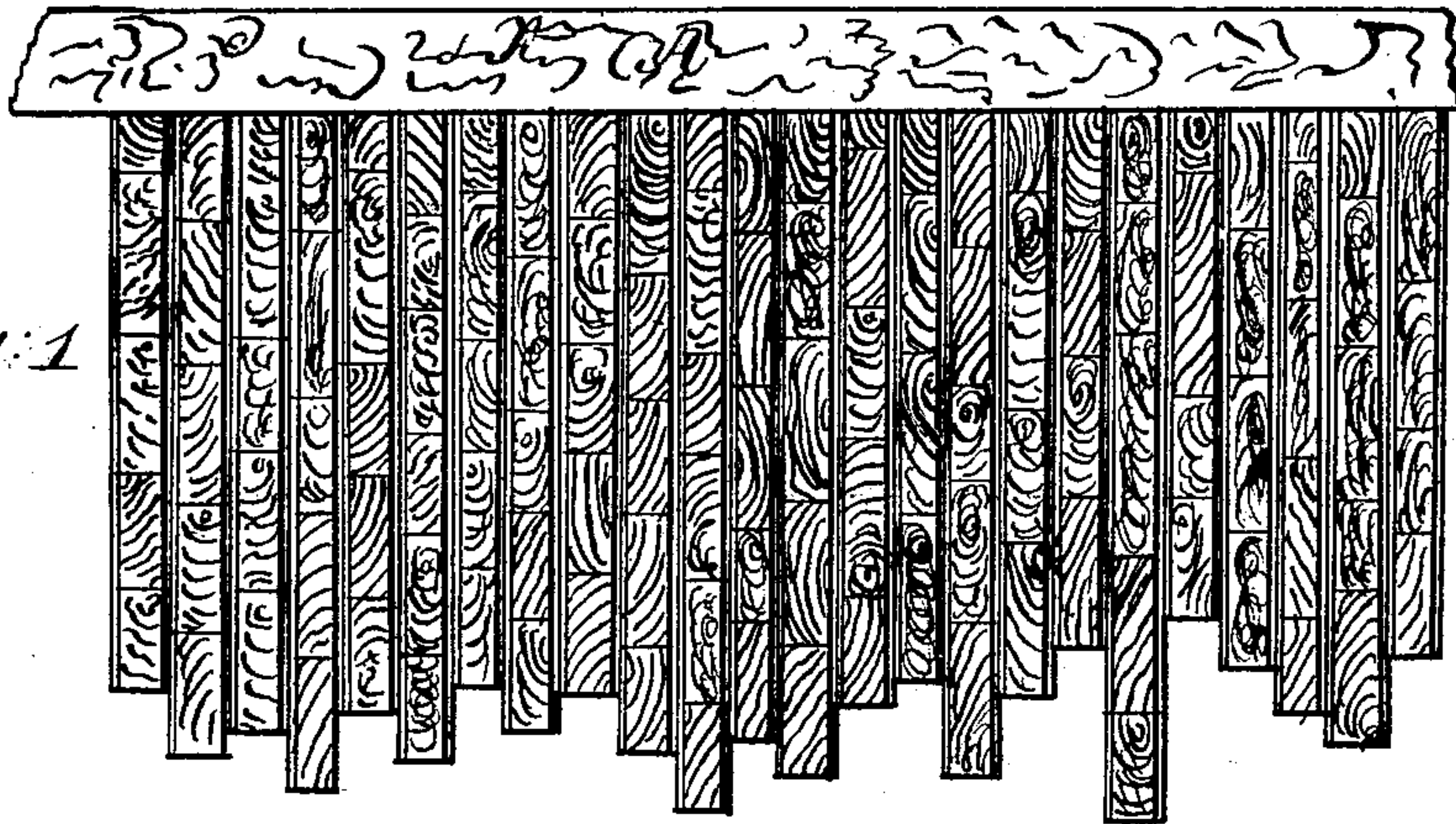


*C. Gaytes,*  
*File Pavement.*

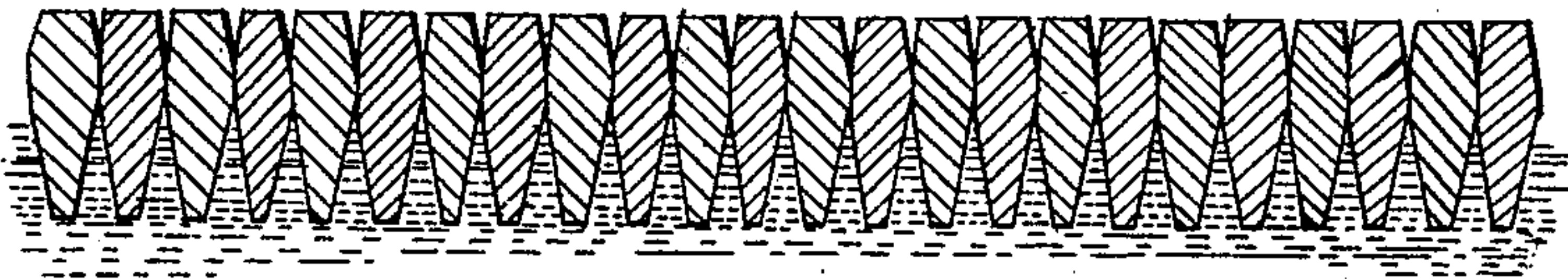
*N<sup>o</sup> 108,582*

*Patented Oct. 25. 1870.*

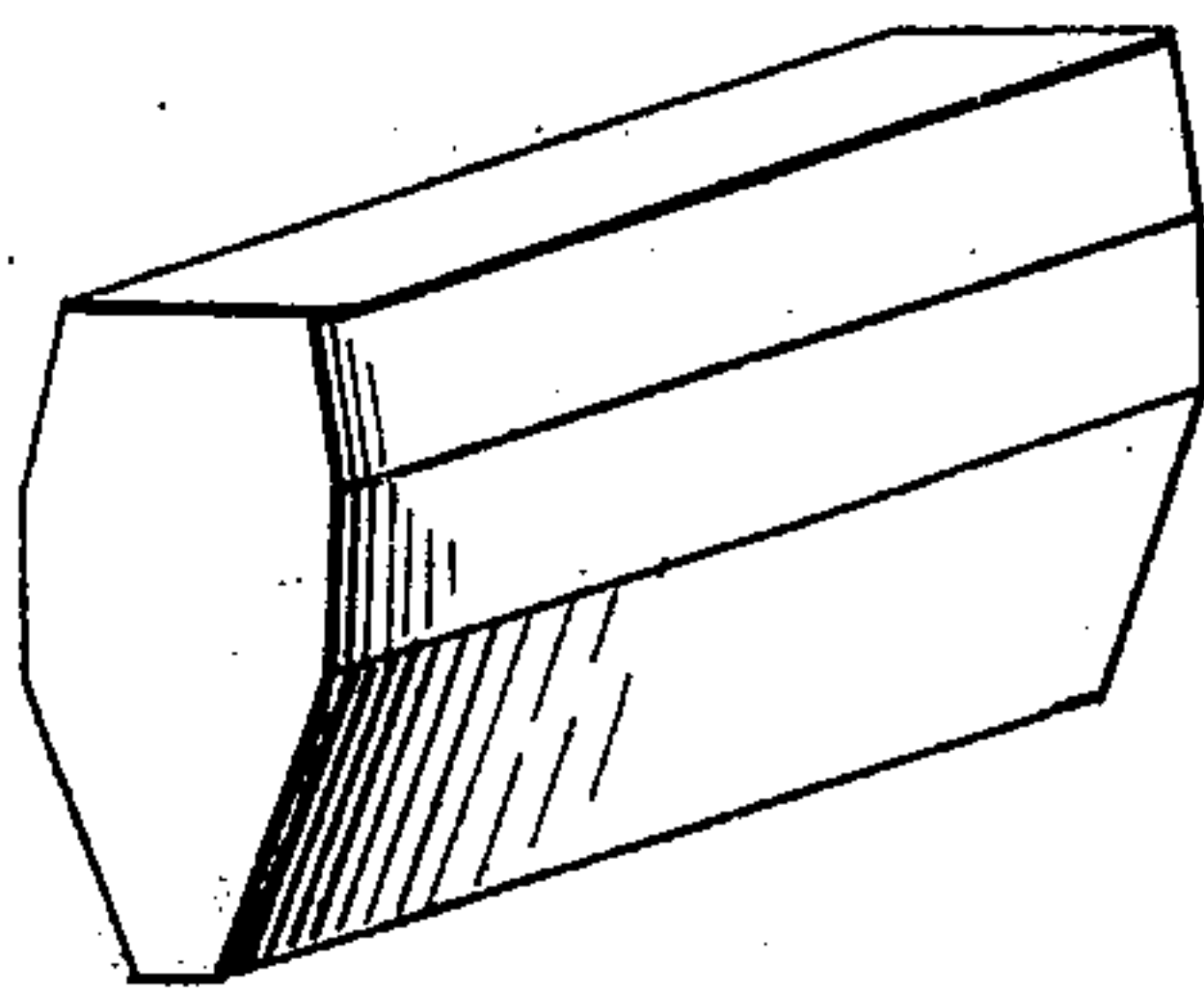
*Fig. 1*



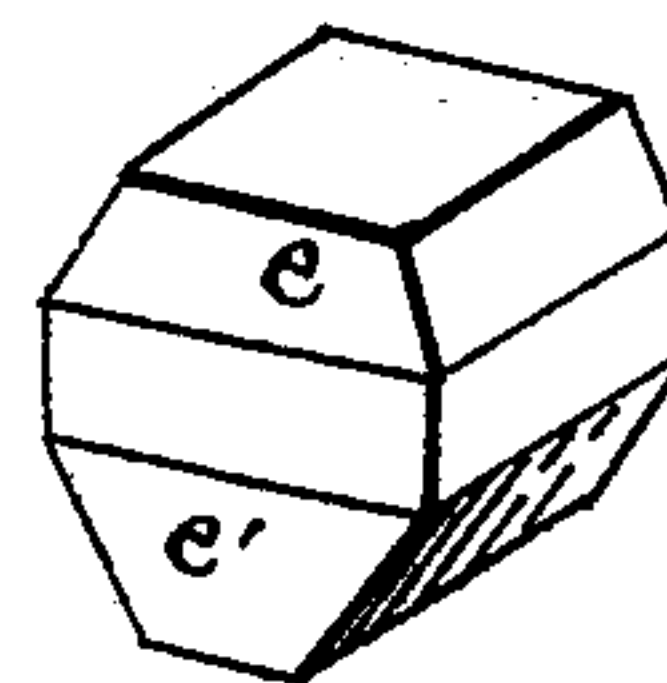
*Fig. 2*



*Fig. 3.*



*Fig. 4.*



*Witnesses;*  
*James A. Howls*  
*Robert L. Forester*

*Inventor;*  
*Caral Gaytes*

# UNITED STATES PATENT OFFICE.

CAROL GAYTES, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN WOOD PAVEMENTS.

Specification forming part of Letters Patent No. **108,582**, dated October 25, 1870.

I, CAROL GAYTES, of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Street-Pavements, of which the following is a full and exact description, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a plan. Fig. 2 is a vertical section. Fig. 3 is a perspective view, showing a single block chamfered on two sides only; and Fig. 4 is a similar view, showing a block chamfered on four sides.

This invention relates to that class of wooden pavements in which the blocks in contact with each other are driven, like piles, into the surface of the road-bed until they stand firmly and compactly together; and the improvement to which I lay claim consists in the construction and arrangement of said blocks, and the employment of concrete in connection with them, as hereinafter set forth.

I make the blocks by sawing from a wooden plank three or four inches thick a piece about ten or twelve inches long. Each block is then chamfered equally on opposite sides, both at top and bottom, so as to form a short truncated wedge at its upper and a long one at its lower end, as shown in Fig. 2.

The blocks may be further chamfered, as seen at *e e'*, Fig. 4, or they may be left in the form shown in Fig. 3. They are placed upon the ground in contact with each other, so as to break joints, as represented in Fig. 1, and are driven down until the dirt has properly filled up the spaces between their lower ends. The spaces between their upper ends are then filled with concrete, and the pavement is complete.

I do not limit myself to any particular dimensions of the blocks, the main feature of my invention being the chamfering upon opposite sides at each end, so that as they work into the ground they will always retain their vertical position.

Having thus described my invention, what I claim is—

A street-pavement composed of wooden blocks chamfered on opposite sides at both their upper and lower ends, and driven into the ground in contact with each other, the spaces between their upper ends being filled with concrete, substantially as described, and for the purposes specified.

CAROL GAYTES.

Witnesses:

JAS. A. COWLES,

ROBERT H. FORRESTER.