No. 823,473. PATENTED JUNE 12, 1906.

S. W. LERCH.

PAVING OR FLAGSTONE.

APPLICATION FILED AUG. 31, 1905.

Fig. 1.

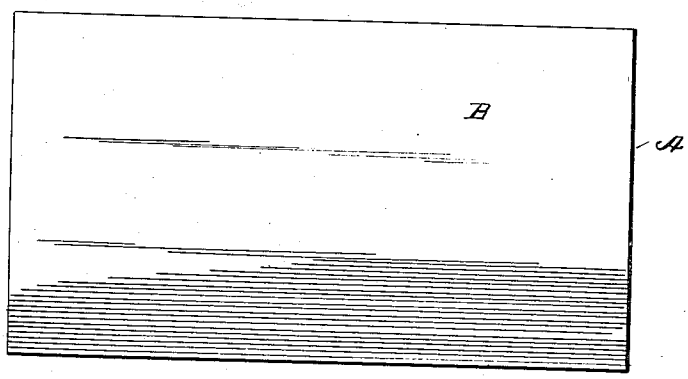


Fig. 2.

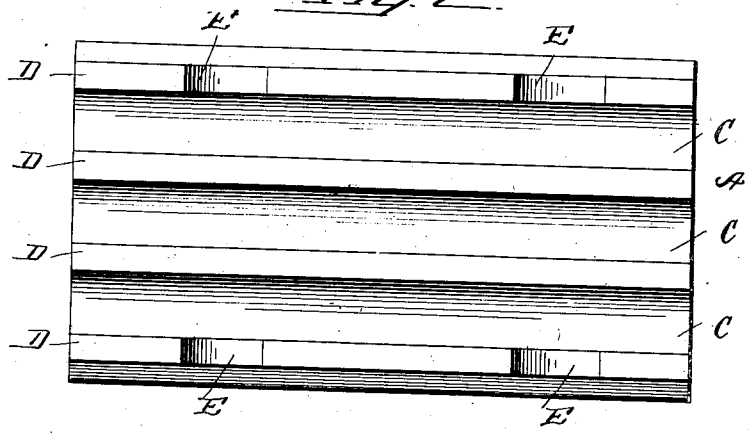


Fig. 3.

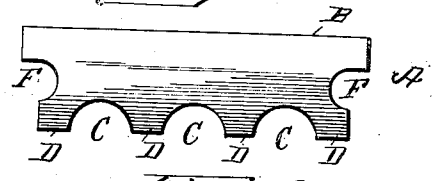
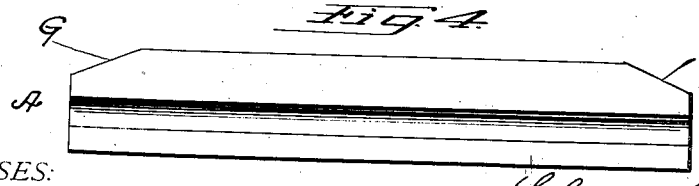


Fig. 4.



WITNESSES:

Chas. T. Davies

M. E. Moore

INVENTOR

Solomon W. Lerch

BY Wm. J. Moore

Attorney

UNITED STATES PATENT OFFICE.

SOLOMON W. LERCH, OF MANASQUAN, NEW JERSEY, ASSIGNOR OF ONE-FOURTH TO ASHER CURTIS AND ONE-FOURTH TO THEODORE COOK, OF MANASQUAN, NEW JERSEY.

PAVING OR FLAGSTONE.

No. 823,473. Specification of Letters Patent. Patented June 12, 1906.

Application filed August 31, 1905. Serial No. 276,532.

To all whom it may concern:

Be it known that I, SOLOMON W. LERCH, a citizen of the United States, residing at Manasquan, in the county of Monmouth and State of New Jersey, have invented certain new and useful Improvements in Paving or Flagstones, of which the following is a specification.

My invention relates to improvements in paving or flagstones; and one object of my invention is the provision of a paving or flag stone composed of a composition, as cement and sand molded or pressed into proper form, which will produce a smooth, durable, and practical paving.

Another object of my invention is the provision of a paving-block or flagstone which can be easily set or placed in position and which will hold firmly in the ground under all conditions and remain always even and smooth.

Another object of my invention is the provision of a paving or flagstone which can be manufactured at small expense, which will withstand hard usage, and which will insure a smooth and attractive pavement.

To attain the desired objects, my invention consists of a paving or flagstone embodying novel features of construction and arrangement of parts, substantially as disclosed herein.

Figure 1 is a top plan view of one of my paving-blocks. Fig. 2 is a bottom plan view. Fig. 3 is an end view, and Fig. 4 is a side view, of a modified form of my paving-block particularly designed for crossings.

The stone or block A is preferably made of a composition of sand and cement molded or pressed into rectangular form and of the desired size. The top B of the block is flat to form a perfect surface, and the under face is provided with a series of longitudinal grooves or channels C, providing the ribs D, and in the outer series of ribs D are formed a series of transverse channels E, and the side edges of the blocks are formed with grooves or channels F. These transverse channels in the ribs engage the ground and serve to prevent longitudinal movement of the block, and the block is thereby securely anchored in place.

In the modified form of my paving or flagstone I provide the ends on the upper face with inclined or tapered portions G, the purpose being to provide a surface which will allow a vehicle to ride over the stones without contacting with sharp edges, thus insuring a crossing which cannot be injured by contact with the wheels, which cannot be loosened, and which will permit the vehicle to pass easily over the crossing. When my flag or paving blocks are laid in position, the material of the surface or road fills or packs into the grooves or channels in the under face and sides of the blocks and serves to secure or anchor the blocks in place and a firm, smooth, and rigid pavement or crossing is insured which will last a lifetime and always insure a smooth and even surface.

I claim—

1. A paving-stone having a flat upper face formed with tapered edges, longitudinal grooves and ribs formed on the under face of the block, longitudinal grooves in the sides of the block and transverse grooves intersecting the outer of the longitudinal ribs.

2. A paving or flagstone consisting of a block having a flat upper face broader than the base and forming overhanging edges, longitudinal grooves in the sides of the block, longitudinal grooves and ribs in the under face of the block, and transverse grooves intersecting the outer ribs.

3. A paving or flagstone having the upper or tread surface flat and its ends contiguous to said flat surface tapered or inclined, the under surface of the block provided with a series of longitudinal grooves or channels and a series of transverse grooves or channels extending from the sides to the outer of the series of longitudinal grooves or channels and longitudinal grooves in the sides of the block.

In testimony whereof I affix my signature in presence of two witnesses.

SOLOMON W. LERCH.

Witnesses:

THEODORE COOK,

ASHER CURTIS.