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FINISHING APPLIANCE FOR CONCRETE PAVEMENTS

Filed Oct. 13, 1925

Fig. 1.

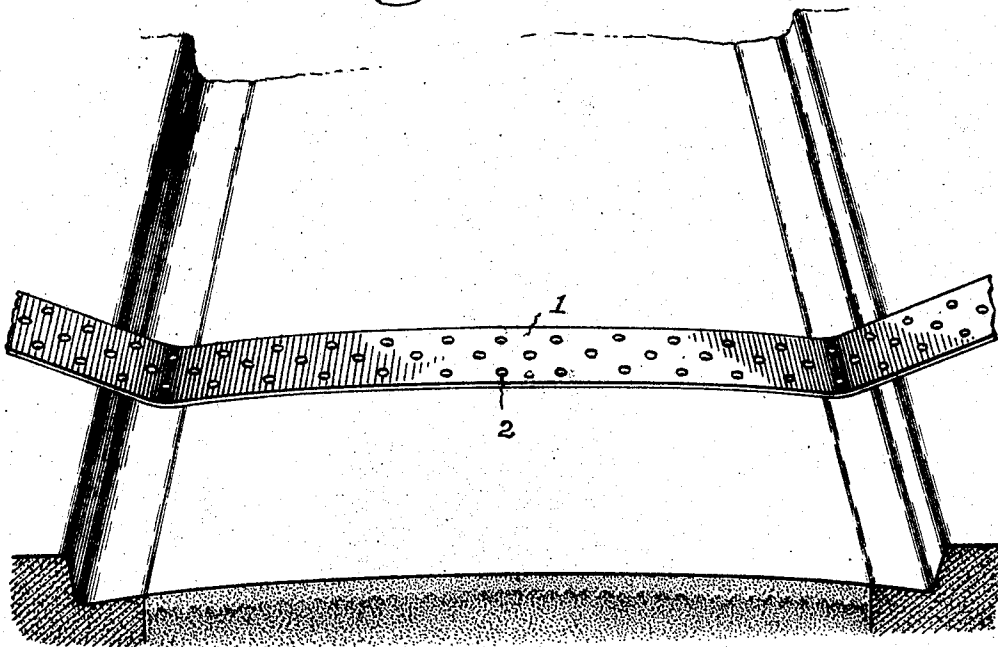


Fig. 2.

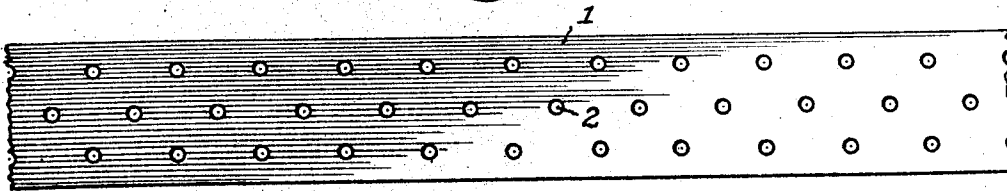
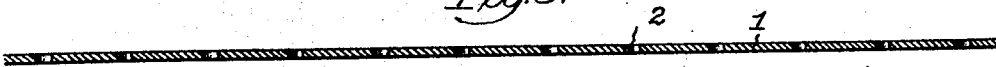


Fig. 3.



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FINISHING APPLIANCE FOR CONCRETE PAVEMENTS.

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This invention relates to that class of pliable drag appliances for the treatment of unset concrete pavements, to assist in the escape of excess water and confined air from the surface portion of the pavements. And the present improvement has for its object:

To provide a structural formation of a drag band or belt of the type above referred to, adapted to afford a ready passage of water and air as the same are dislodged from the unset mass of pavement concrete, and by means of which the desired surface density is attained in a rapid and effective manner and with an avoidance of resistance to movement of the band usual to the ordinary band, due to adhesion between the same and the surface of the pavement, all as will hereinafter more fully appear.

In the accompanying drawing:

Fig. 1, is a perspective view illustrating the construction and application of the present drag band to a concrete pavement or roadway.

Fig. 2, is a detail elevation of the drag band.

Fig. 3, is a detail longitudinal section of the same.

Like reference numerals indicate like parts in the different views.

The drag belt of the present improvement consists of a strip or band 1 of flexible fabric, preferably of a length greater than the width of the pavement on which it is used, and adapted to be drawn back and forth in an approximately transverse direction upon the unset mass of concrete constituting the pavement, such movements being effected by workmen at opposite sides of the pavement grasping the ends of the belt to manipulate the same in the stated manner.

Heretofore such drag bands or belts have been of an imperforate form and required an extended period of manipulation in order to attain effective results. As distinguished from such form of drag belt, the present invention involves the formation of a series of perforations 2 throughout the belt 1, and preferably in the staggered relation shown. The function of such perforations is to permit an upward passage of excess water and confined air from beneath the belt in a ready manner and thus enable the under surface of the belt to maintain intimate surface contact with the mass of unset pavement concrete in its independent back and forth movement and with a very material decrease in the adhesion and resistance to movement between the belt and surface of the pavement, due to the usual capillary attraction between the ordinary imperforate belt in contact with the pavement surface.

Having thus fully described our invention what we claim and desire to secure by Letters Patent is:

1. A drag belt for the surface treatment of unset concrete pavements, comprising an elongated flexible band formed with a series of perforations along its length and breadth.

2. A drag belt for the surface treatment of unset concrete pavements, comprising an elongated flexible band formed with a series of perforations along its length and breadth, said perforations having staggered relation.

Signed at Kankakee, Illinois, this 7th day of October, 1925.

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