7656X

J. S. WILLIAMS.

TRACK ROAD.

Patented June 29, 1833.

Fig. 1.

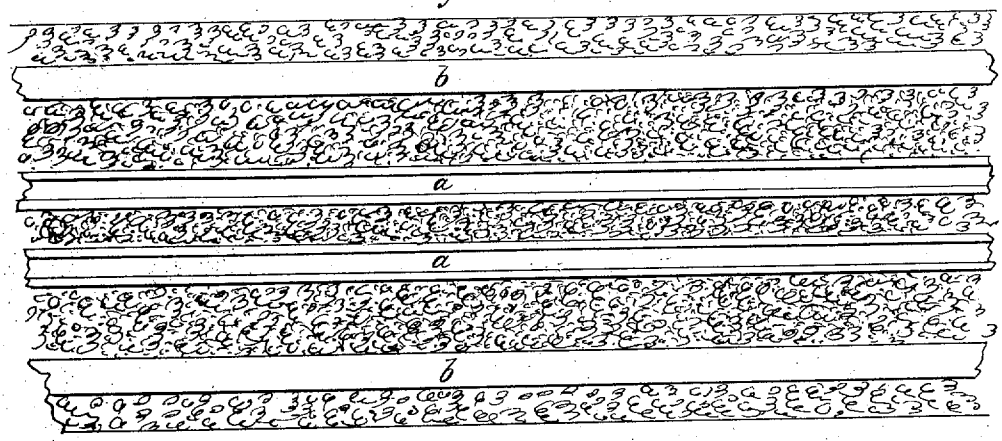
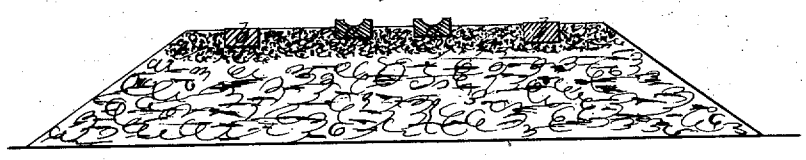


Fig. 2.



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No. 7656X

June 29, 1833

John S. Williams of Hamilton County State of Ohio

Letters Patent

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said John S. Williams himself of his improvement in Road

To all to whom these presents shall come

Be it known that I, John S. Williams of Hamilton County and State of Ohio have invented a new and useful improvement in the construction of Roads, whereby some of the advantages derived from rail roads are extended to the common carriages of burthen or pleasure, that travel any road so improved and that the following is a full and exact description of my said improvement, — I lay two continuous lines of timber or other suitable material, lengthwise on said road, such a distance apart as to form tracks for the wheels of such vehicles, as are in general use upon the road so improved. I furrow, gutter, or groove one of these tracks in order to receive and guide the wheel or wheels on one side of the carriage travelling thereon. These grooves or gutters may be made in the timber or other material before it is laid upon the road or afterwards in either by hand or by machinery propelled by any suitable motive power or they may be formed by attaching checks or rails to a plain surface

The other track ought to be laid on a level with the bottom of the groove or gutter above mentioned. — To form a track plain and ought to be of such a width as to allow for the variation of those done tires given to the wheels of different sizes of carriages in common use, so that while the wheels of one side of the vehicle shall remain within the groove of one track, the other wheels shall remain on the face of the other track [illegible] the different sizes of wheels

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they may be constructed. — These tracks may be headed or laid on or upon stone, gravel, clay, or any material of which the surface of the road is formed and the pieces of which they are constructed may be connected by dowels, or clamps, or laid upon transverse blocks or sleepers, which may or may not, extend from one to the other, —

Scrapers may be attached to some of the carriages passing on said tracks for the purpose of cleaning them of stone, earth, or other matter, which might tend to obstruct the wheels or injure the tracks —

Where there is much travelling upon a road as mentioned I lay two, four or four continuous lines of tracks one set for the going and one for the returning carriages, — This will be found most convenient, altho to turn out of the tracks when carriages meet will not be attended with difficulty as one side only of the turning out carriage would have to be raised over a small obstacle. —

I am aware that some of the advantages of such a track road may be gained by laying timber flat as above and by furrowing, guttering, or rabbeting both tracks to guide the wheels but I prefer to gutter or groove one only. —

What I claim as my invention or improvement — is the laying of tracks of wood or other suitable material, one of which shall be furrowed grooved or guttered in the manner and for the purpose herein before set forth —

Witness
Isaac V. Burnet
Francis Carr

John F. Williams

(Patent June 29. 1839)
Drawing made from Specification