

UNITED STATES PATENT OFFICE.

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RETAINING MEANS FOR TEETH OF ROAD-DRESSERS.

969,850.

Specification of Letters Patent. Patented Sept. 13, 1910.

Application filed September 16, 1909. Serial No. 518,018.

To all whom it may concern:

Be it known that I, HARVEY L. EGGLESTON, a citizen of the United States, residing at Tulare, in the county of Tulare and State of California, have invented certain new and useful Improvements in Retaining Means for the Teeth of Road-Dressers; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in road making machinery and particularly to road dressers or machinery used for digging and pulverizing the surfaces of roads preparatory to oiling or otherwise treating them, the object of the invention being to produce a retaining means for the teeth of such machines which will hold the same firmly in position and yet permit the same to be easily and readily removed or inserted by one person in a very quick and effective manner.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purposes for which it is designed.

These objects I accomplish by such structure and relative arrangement of parts as will appear by a perusal of the following specification and claim.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a side elevation of a fragmentary portion of one of the beams of the machine showing a tooth in position. Fig. 2 is a sectional view of the same taken relatively on a line $x-x$ of Fig. 1. Fig. 3 is a sectional view taken relatively on a line $y-y$ of Fig. 2. Fig. 4 is a top plan view of a fragmentary portion of one of the beams showing a tooth receiving recess.

Referring now more particularly to the

characters of reference on the drawing 1 designates the main beams of the machine which are mounted on supporting rollers 2. On the inner side of each beam is secured by bolts 3^a a metal plate 3 counter sunk at 4 to form a recess to receive the tooth 5. On the outside of the beams 2 are V-shaped retaining frames 6 carrying in their upper ends a threaded rod 7 while 8 is a straight inclined brace bar secured to the rod 7 at its upper end and carrying a similar threaded rod 9 at its lower end. Nuts 10 on the rod 7 bear against the members 6, while nuts 11 on said rod 7 bear against the members 8. Nuts 12 on the rod 9 bear against the members 8.

Mounted on the rod 7 by means of elongated slots 13 are bars 14 bearing normally against the teeth 5 and provided with notches 15 at their lower ends adapted to fit over the rods 9 and be secured there by nuts 16 bearing against said bar 14, there also being nuts 17 on the rod 7 bearing against the bars 14 these nuts 16 and 17 causing the bars 14 to clamp tightly against the teeth 5 thus holding them firmly in position in their recesses 4.

To remove or alter the position of the teeth 5, the nut 17 is loosened and the bar 14 disengaged from the rod 9 by means of its notch 15 thus leaving the teeth 5 free to be removed or their position changed as may be desired, which operation as can readily be seen will consume a small amount of time and can be easily accomplished by one person.

The supports 6 are secured to the beams 1 by cross rods 18 and nuts 19.

The slots 13 permit the bars 14 to adjust themselves so as to always properly have the notches 15 fit over the rods 9.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfils the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations

from such detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what
5 I claim as new and useful and desire to secure by Letters Patent is:—

A device as described comprising a tooth receiving frame, a tooth therein, two rods spaced apart, a slotted bar movable over one
10 rod, a hook in the other end of said bar

adapted to engage said lower rod, and means movable on said rods to impinge against said bar to cause it to bear against said tooth.

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

HARVEY L. EGGLESTON.

Witnesses:

W. A. FOTHERGILL,

E. S. BALLARD.