April 25, 1939. H. A. NEUMAN 2,156,190

ATTACHMENT FOR ROAD GRADER BLADES

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Fig. 1.

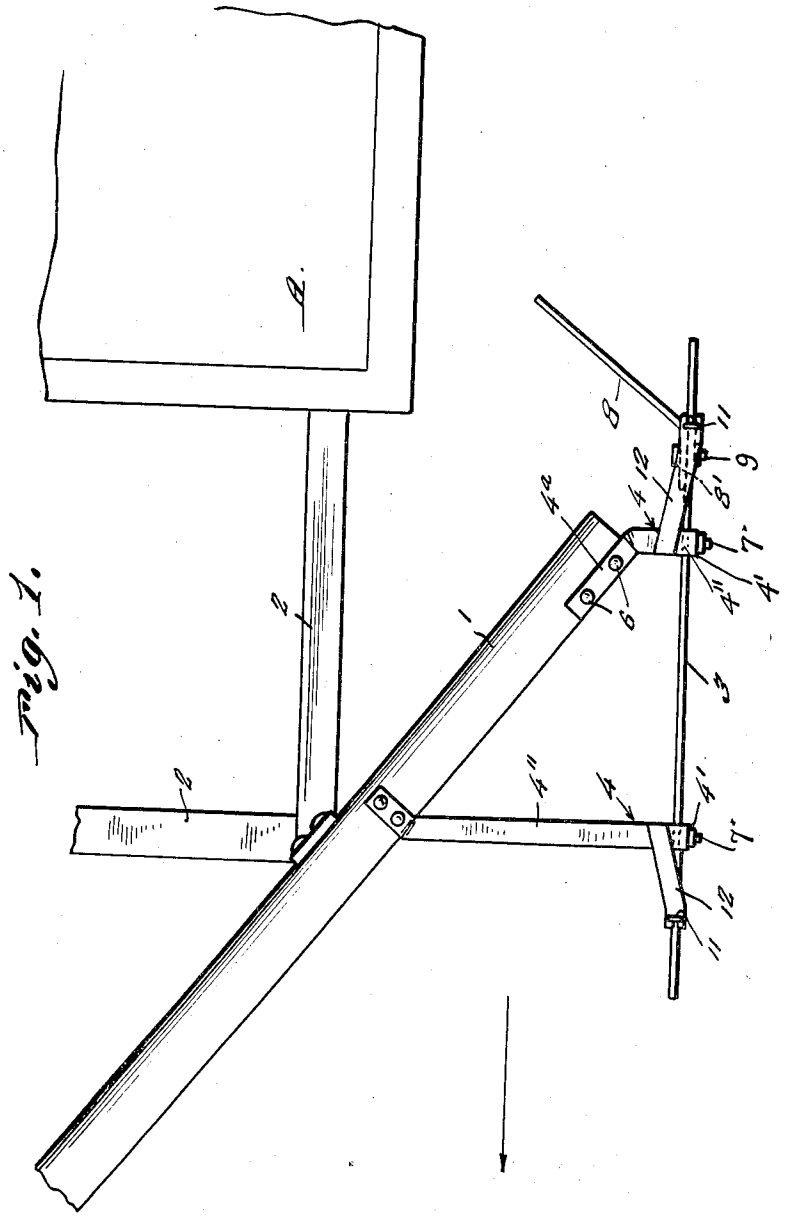
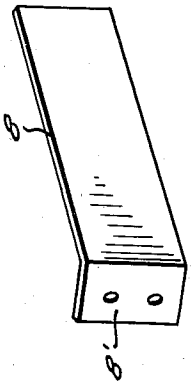


Fig. 3.



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Fig. 4.

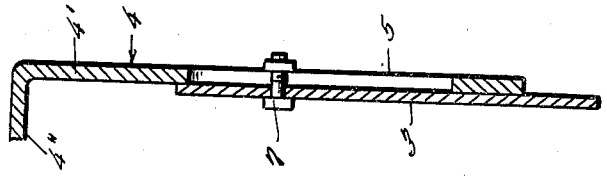


Fig. 3.

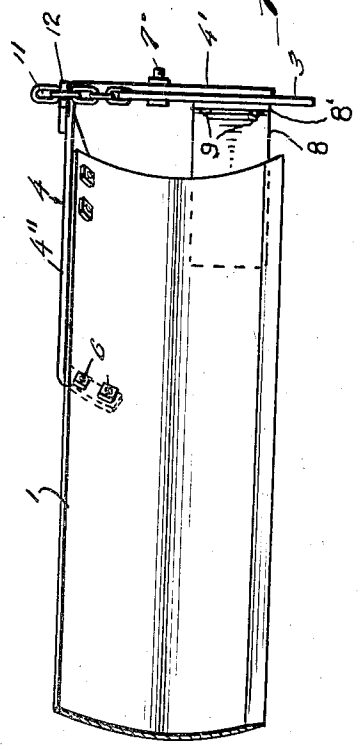
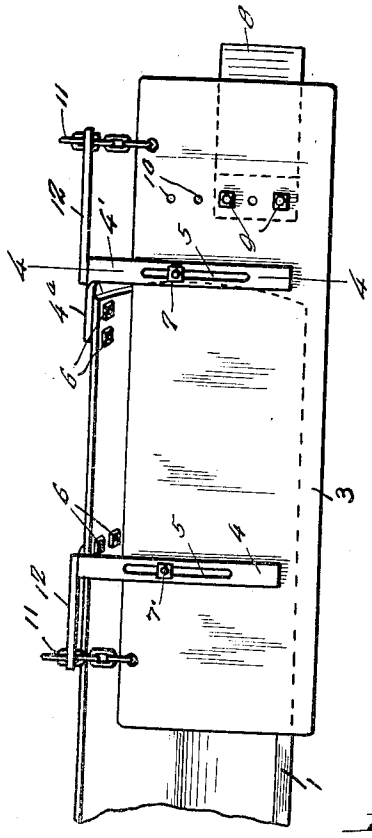


Fig. 2.



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UNITED STATES PATENT OFFICE

2,156,190

ATTACHMENT FOR ROAD GRADER BLADES

Harold A. Neuman, Superior, Wis.

Application January 10, 1938, Serial No. 184,326

1 Claim. (Cl. 37—143)

This invention relates to an attachment for a road machine, the general object of the invention being to provide means for shaping the road material at a side of the road to form a raised shoulder alongside of the road and to prevent the material from being irregularly scattered, as it would be, if the attachment were not used.

Another object of the invention is to make the device adjustable both vertically and angularly.

This invention also consists in certain other features of construction and in the combination and arrangement of several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing the invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Fig. 1 is a top plan view showing the invention applied to a road machine pushed by a tractor.

Fig. 2 is a side view showing the invention attached to the mould board of the machine.

Fig. 3 is a front view of Fig. 2.

Fig. 4 is a sectional view on line 4—4 of Fig. 2.

Fig. 5 is a view of the inclined member.

In these drawings, the mould board of the road machine is shown at 1, and Fig. 1 shows it as being attached by the members 2 to the front of a tractor A. In carrying out my invention I provide the elongated plate-like member 3, which is supported from the mould board by the brackets 4, each of which includes the vertical part 4' having the longitudinal slot 5 therein, the horizontal part 4'' and the short bent part 4^a which is fastened to the rear part of the mould board by bolts 6. Bolts 7' pass through the slots 5 into the member 3 for slidably retaining the member on the brackets. A plate 8 has an angle end 8' which is adjustably connected to the rear end of the member 3 by the bolts 9 passing through any desired pair of a number of pairs of holes 10 in the member 3. Thus this plate 8 can be raised and lowered with respect to the ground or the lower edge of the member 3, and said member 3 can be adjusted vertically and it can also be set at different inclinations by means of the chains 11 attached to the front and rear ends of the member and having any desired link thereof adapted to be placed in a notch in each arm 12 carried by the horizontal part of the front brackets 4. As will be seen the chains hold the member in adjusted position and the bolts 7, slidably passing through the slots 5, permit the member 3 to move in a vertical plane relative to the brackets 4.

As the road machine moves along some of the material will pass off the rear and outer end of the mould board and this material will be acted upon by the member 3 and the plate or blade 8 so that the material is piled at the side of the road and the blade or plate 8 levels the pile off and forms a shoulder.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided such changes fall within the scope of the appended claim.

Having thus fully described my invention what I claim and desire to protect by Letters Patent is:

In a road machine including its mould board, a vertically arranged elongated member, brackets secured to the mould board and having their free ends disposed on perpendicular planes and slotted fastening elements passing through the elongated member and slots in the free ends of the brackets and slidably connecting them together, a rearwardly and inwardly extending leveling-late adjustably secured to the rear end of the elongated member, oppositely extending arms secured adjacent the outer extremities of the brackets and having their free ends notched and disposed over the elongated member and flexible elements connected to the elongated member with their free ends removably secured in the notched ends of the arms.

HAROLD A. NEUMAN.