

J. T. BLAND.
ROAD SCRAPER.
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917,528.

Patented Apr. 6, 1909.

Fig. 1.

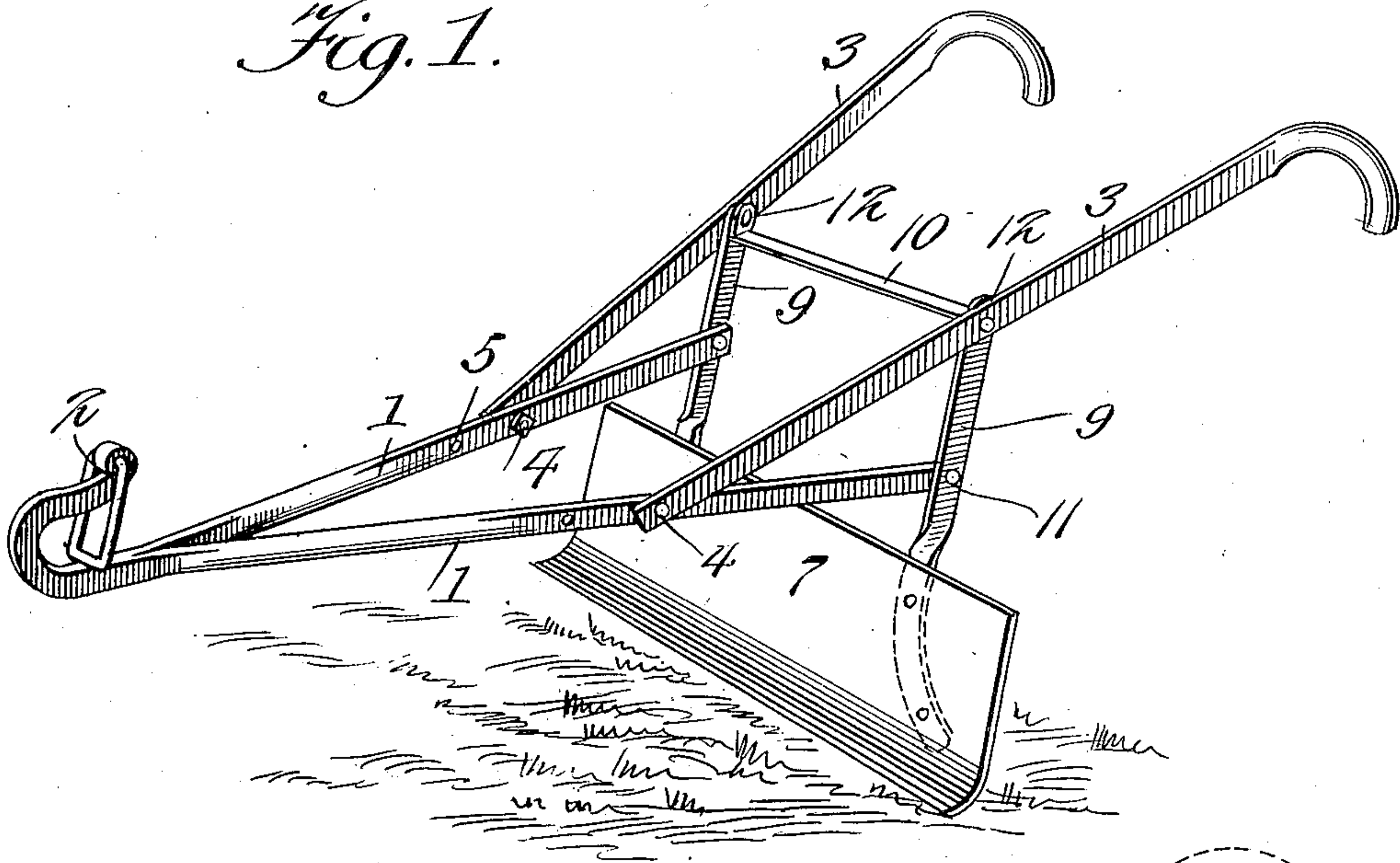
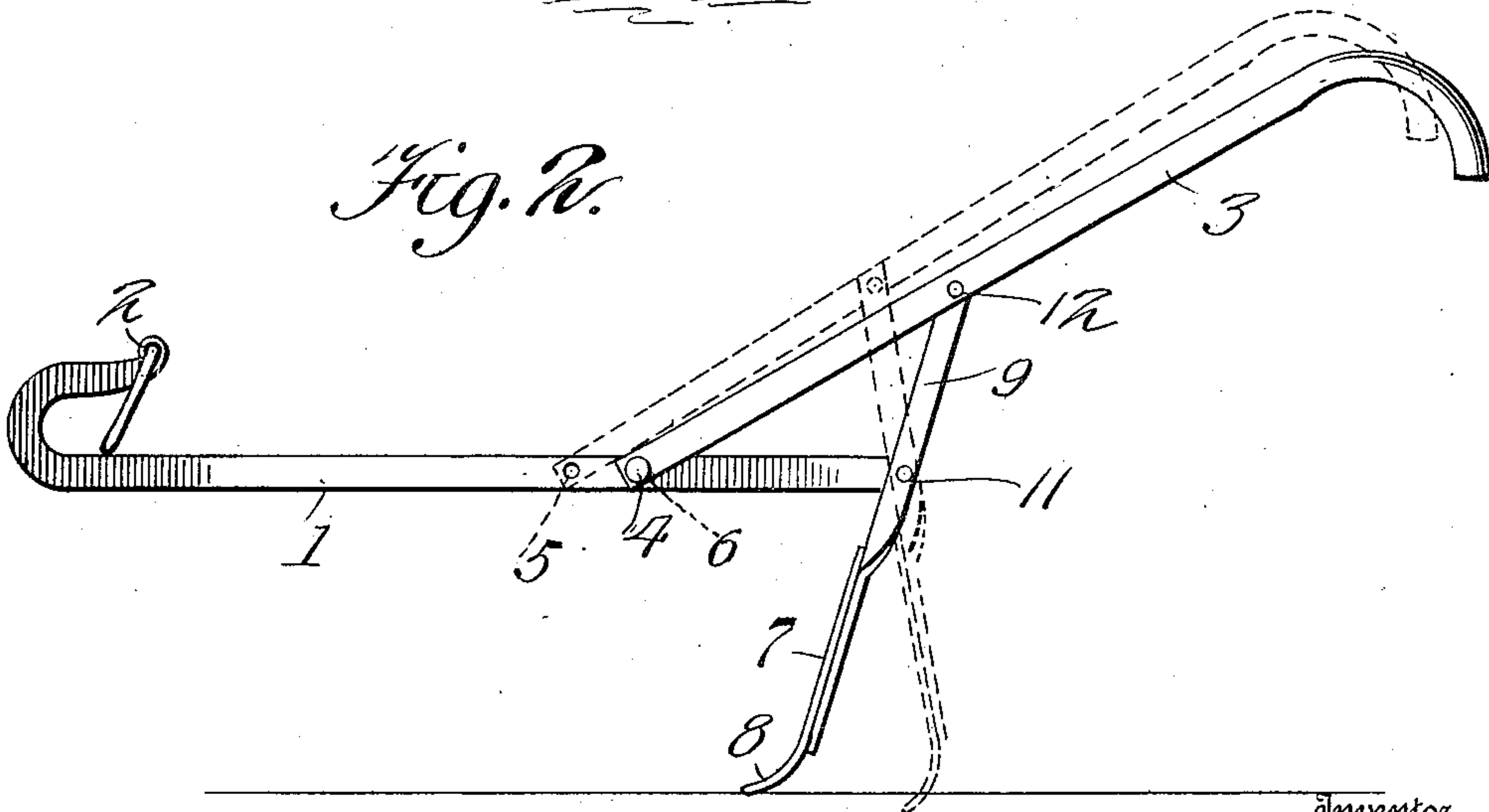


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOSEPH T. BLAND, OF PITTSBORO, NORTH CAROLINA.

ROAD-SCRAPER.

No. 917,528.

Specification of Letters Patent.

Patented April 6, 1909.

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To all whom it may concern:

Be it known that I, JOSEPH T. BLAND, a citizen of the United States, residing at Pittsboro, in the county of Chatham and State of North Carolina, have invented new and useful Improvements in Road-Scrapers, of which the following is a specification.

This invention relates to improvements in road scrapers, the object of the invention being to provide a simple, efficient and inexpensive type of device of this character which is equally well adapted for leveling ground, building terraces and scraping out road ditches, and in which the scraping blade is adjustable for these different operations.

The invention consists of the features of construction, combination and arrangement of parts hereinafter fully described and claimed, reference being had to the accompanying drawing, in which:—

Figure 1 is a perspective view of a road scraper embodying my invention. Fig. 2 is a side elevation of the same showing different positions of adjustment of the blade in full and dotted lines.

The frame of the implement comprises a pair of rearwardly diverging bars or beams 1, suitably connected at their forward ends and provided with any preferred type of draft clevis 2. Handle bars 3 are provided for guiding and controlling the implement and are connected at their forward ends to the side beams by bolts 4. These bolts are adapted to be passed through front or rear sets of openings 5 and 6 in the beams to secure the handles at different positions of adjustment.

A transverse scraping blade 7 is arranged beneath the rear ends of the side beams 1 and is formed with a lower forwardly curved scraping edge 8. This blade is supported by a frame comprising a pair of hanger bars or strips 9 reinforced at their upper ends by a cross brace 10. Preferably, the hanger bars are composed of strips of metal having their upper portions arranged edgewise in the longitudinal plane of the machine and their lower portions disposed edgewise transversely of the machine by quarter twisting the strips at the points of intersection of said portion, the blade being secured in any preferred manner to the lower portions, as shown. The hanger bars are pivotally con-

nected to the rear ends of the beams 1 by pins or bolts 11 and are also pivotally connected with the handle bars 3 by pins or bolts 12. By this construction the blade and its supporting frame may be swung forwardly or rearwardly on the beams 1 for adjustment to incline the blade at a rearward or forward working angle, as shown in dotted and full lines in Fig. 2. The bolts 4 are passed through the front set of openings 5 to secure the handle bars and scraper in the dotted line position and through the rear set of openings 6 to secure the same in the full line position. The blade may thus be readily and conveniently set for ordinary leveling, for terrace building work and for ditch clearing or scraping, thus rendering the implement adaptable for general work.

It will be noted that the construction is simple and adapts the device to be manufactured and sold at a low cost, and that the adjustment of the blade requires merely the engagement of the securing bolts 4 with one or the other of the sets of bolt openings.

Having thus fully described the invention, what is claimed as new, is:—

1. A scraper comprising a main frame, a hanger frame pivotally mounted upon the rear end of the main frame and extending above and below the same, a transverse scraping blade mounted upon the lower end of the hanger frame, handle bars pivotally connected with the upper end of the hanger frame, and means for adjustably securing the forward ends of the handle bars to the main frame.

2. A scraper comprising a main frame including rearwardly diverging bars, hanger bars pivotally mounted upon the rear ends of the diverging frame bars and extending above and below the same, a transverse scraping blade secured to the lower ends of the hanger bars, handle bars pivoted to the upper ends of the hanger bars, and means for adjustably securing the front ends of the handle bars to the diverging frame bars.

3. A scraper comprising a frame including rearwardly diverging side bars provided with front and rear sets of openings, hanger bars pivotally mounted upon the rear ends of the frame bars and extending above and below the same, a transverse scraper blade secured to the lower ends of the hanger bars, a brace

connecting the upper ends of the hanger bars,
handle bars pivotally connected intermedi-
ate their ends to the upper ends of the hanger
bars, and bolts adapted to be passed through
5 the front ends of the handle bars and either
set of openings in the frame bars to adjust-
ably secure the handle bars thereto.

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

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Witnesses:

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