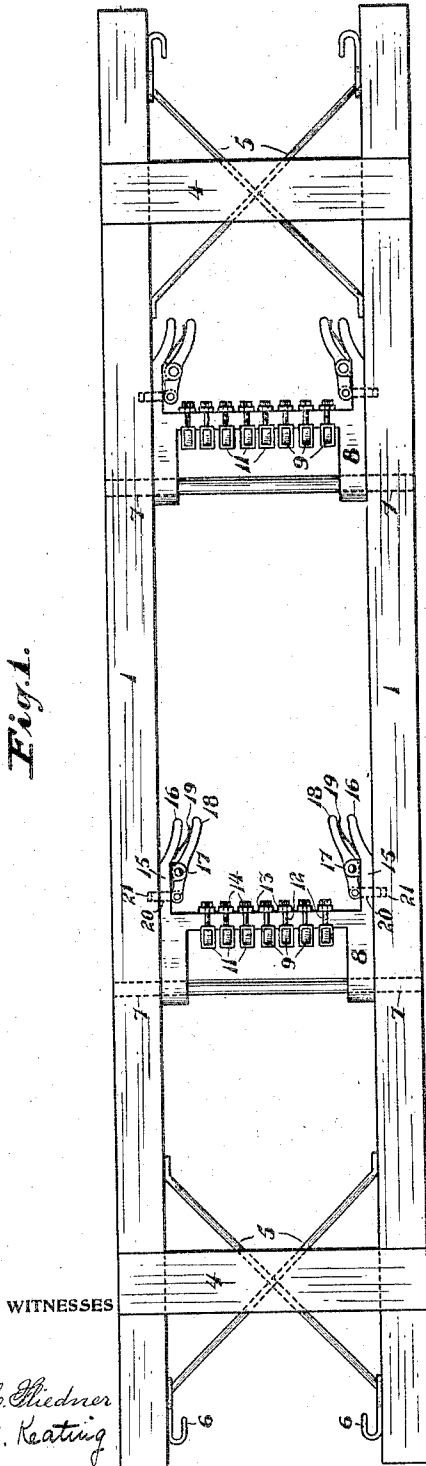


J. W. MOSHER.  
ROAD PLANER.  
APPLICATION FILED MAY 18, 1912.

1,068,155.

Patented July 22, 1913.

Fig. 1.



WITNESSES

*H. C. Hedner*  
*W. B. Keating*

Fig. 2.

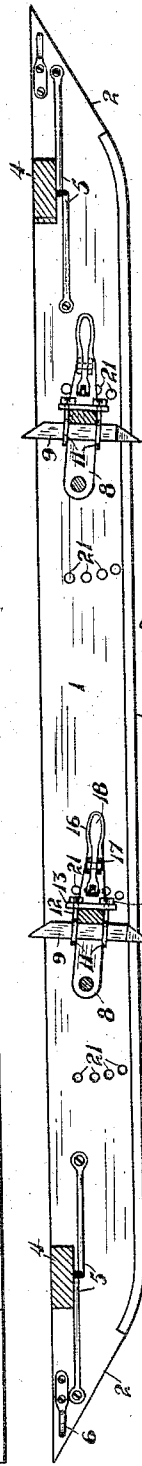
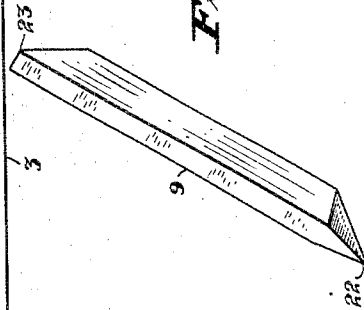


Fig. 3.



INVENTOR  
*James W. Mosher*  
BY *J. M. Wright*  
ATTORNEY

# UNITED STATES PATENT OFFICE.

JAMES W. MOSHER, OF BERKELEY, CALIFORNIA.

## ROAD-PLANER.

1,068,155.

Specification of Letters Patent.

Patented July 22, 1913.

Application filed May 18, 1912. Serial No. 698,180.

*To all whom it may concern:*

Be it known that I, JAMES W. MOSHER, a citizen of the United States, residing at Berkeley, in the county of Alameda and State of California, have invented new and useful Improvements in Road-Planers, of which the following is a specification.

The present invention relates to improvements in road planers.

Roads having an oiled surface, now commonly used, have a tendency to wear into a form having transverse ridges.

The object of the present invention is to provide a simple, conveniently operated, and effective device for removing these ridges, and rendering the surface of the road again plane.

In the accompanying drawing, Figure 1 is a plan view of my improved road plane; Fig. 2 is a longitudinal vertical section thereof; Fig. 3 is a perspective view of one of the cutters.

Referring to the drawing, 1 indicates two parallel skids spaced apart a suitable distance and of a rectangular cross section, each having upwardly beveled ends 2, and shod in the central portion with a steel shoe 3. Said skids are connected by transverse beams 4 at the top, and by braces 5 crossing each other obliquely. To the inner vertical sides of the skids at each end are connected hooks 6, to which can be attached the draft harness of a horse or horses.

Each skid is formed with bearings 7 for crank-shaped holders 8, to the central portion of which cutters 9 are attached by loops 11 having threaded stems 12 on the outer ends of which passing through retainer bars 13, on the other side of the holder from the cutters, are screwed nuts 14. The side members 15 of the holders are extended to form handles 16 for changing the direction of said holder and on said extensions are formed fulcrum posts 17, on the ends of which are pivoted levers 18, one end of each lever being pressed outwardly by a spring 19, and the other end engaging an end of a pin 20 passing through a hole in said member 13,

the other end of said pin being adapted to enter any one of a circular series of holes 21 formed in the skid. By this means the cutter holders can be set at any desired angle relatively to the skid. I provide two cutter holders so that the cutters of the second holder may operate upon parts of the road which pass between the cutters of the first holder.

Each cutter is formed with one end 22 pointed, and with a scraping edge 23 at the other end, and when the apparatus is drawn over the road, the pointed ends 22 of the cutters, which extend below the steel shoes, penetrate the high places or ridges in the road, but do not touch the depressed portions thereof, and thus thoroughly cut up said ridges. When a section of road to be treated has been traversed by the planer in one direction, the cutter holders are turned in their bearings, so that the edges 23 of the cutters are now lowermost, and act as scrapers to push or scrape the earth loosened from the ridges into the depressions.

I claim:—

A road planer comprising a frame having side pieces, a U-shaped holder pivoted at its ends in said side pieces, a series of cutters secured to the middle portion of said holder, one end of each cutter being formed with a sharp point and the other with a scraping edge, said side pieces each having therein two series of holes equidistant from the pivot of the holder in said side piece, one series being in front and the other behind the pivot, a pin adapted to enter any one of said holes in a side piece, and arranged to lock the holder to said piece in any one of a series of positions thereon so that said cutters are in front of or behind said pivots.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES W. MOSHER.

Witnesses:

F. M. WRIGHT,  
D. B. RICHARDS.