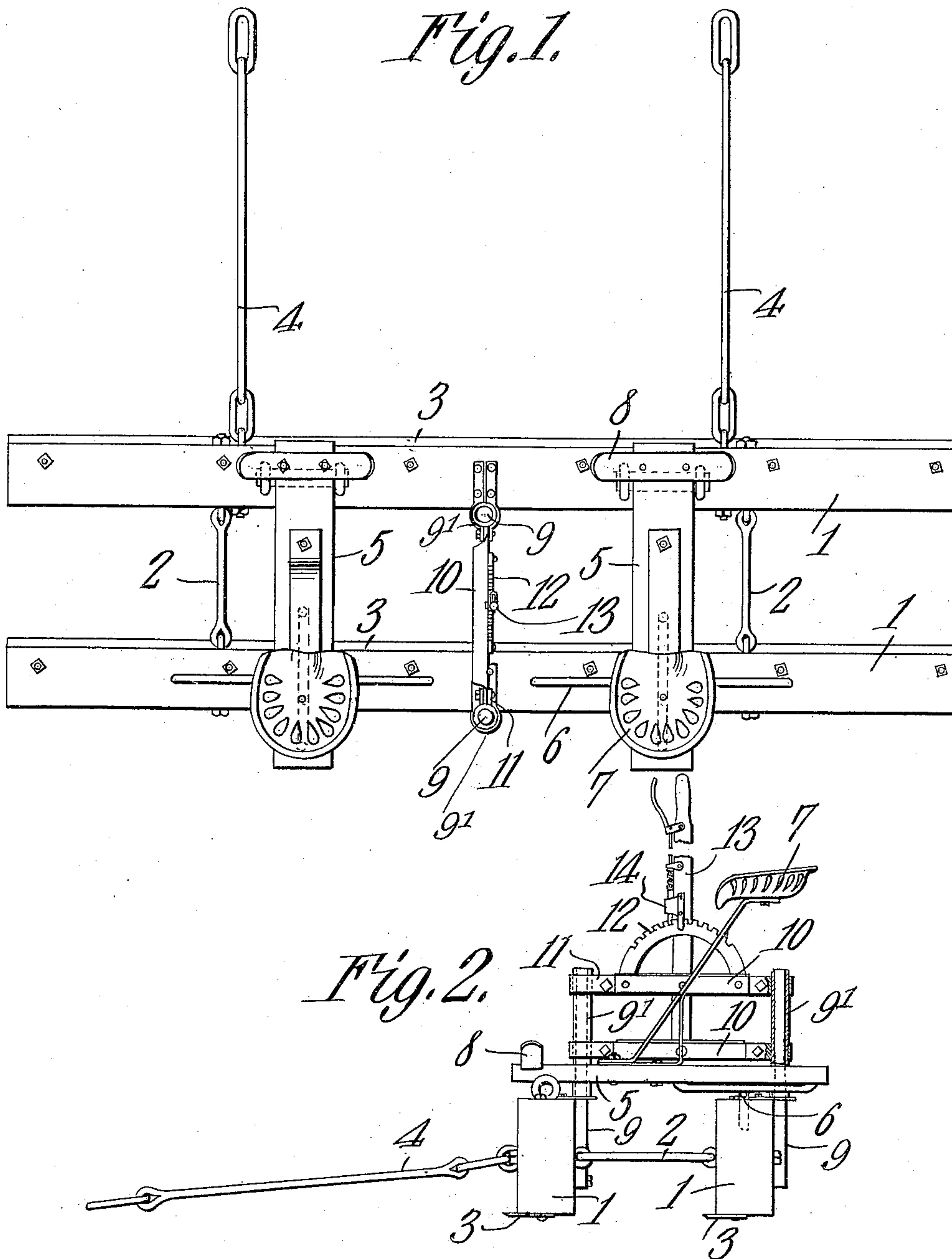


B. A. FLESHMAN.
ROAD GRADER AND SCRAPER.
APPLICATION FILED MAY 22, 1907.

917,279.

Patented Apr. 6, 1909.



WITNESSES.

E. H. Stewart
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UNITED STATES PATENT OFFICE.

BENJAMIN A. FLESHMAN, OF WYACONDA, MISSOURI.

ROAD GRADER AND SCRAPER.

No. 917,279.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed May 22, 1907. Serial No. 375,055.

To all whom it may concern:

Be it known that I, BENJAMIN A. FLESHMAN, a citizen of the United States, residing at Wyaconda, in the county of Clark and State of Missouri, have invented a new and useful Road Grader and Scraper, of which the following is a specification.

This invention has relation to road graders and scrapers and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide an implement of the character indicated which is of simple and durable construction and which may be easily operated for effectually moving earth, etc., from the side of a road into the middle of the same.

The implement consists primarily of two beams each of which is provided with a blade. The beams are connected together by links and means is provided for swinging the beams axially in order that the blades may be presented at different angles to the surface of the ground.

In the accompanying drawing:—Figure 1 is a top plan view of the grader and scraper, and Fig. 2 is an end elevation of the same.

The implement consists of the parallel beams 1, 1 which are connected together by means of the links 2, 2. Each beam is provided at its lower forward edge with a blade 3 which lies in a plane substantially parallel with the lower edge of the beam to which it is attached. The draft rods 4 are connected with the forward beam 1. The bars 5 are pivoted at their forward ends to the upper edge of the forward beam 1 and the rear ends of each of said bars 5 rest upon a rod 6 attached to the upper edge of the rear beam 1. An operator's seat 7 is mounted upon each of the bars 5 and each bar is provided at its forward end with a foot-rest 8. A stud 9 is attached to the side of each of the beams 1 and extends vertically from the same. The said studs are held parallel with relation to each other by the parallel rods 10, 10 which are pivoted at their ends to the clips 11 which in turn are

mounted upon the sleeves 9' journaled upon the upper ends of the studs 9. The gear segment 12 is mounted upon the upper rod 10. The ratchet lever 13 is fulcrumed to the upper rod 10 and is pivoted at its lower end to the lower rod 10. The said lever is provided with a spring actuated pawl 14 which is adapted to engage the ratchets of the gear segment 12.

From the foregoing description it is obvious that by swinging the lever 13 the rods 10 will be moved longitudinally with relation to each other and consequently the studs 9 will be swung laterally and as the beams 1, 1 are held by the links 2 at a constant distance from each other the said beams will be turned axially and the blades 3 will be presented to the ground at a desired angle. The means for so varying the angle of pitch of the blade is desirable in an implement of the character indicated in order to accomplish a ready cleaving of the hard surface of the roadway upon which the implement is operated.

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

1. An implement of the character indicated comprising a plurality of beams, each carrying a blade, links pivotally connecting the beams together, a stud carried by each beam, rods pivotally connecting the studs together and a lever fulcrumed to one rod and pivoted to the other rod.

2. An implement of the character indicated comprising a plurality of beams each carrying a blade, links pivotally connecting the beams together, a bar pivotally connected to one beam and resting upon the other, an operator's seat mounted upon the bar and means for turning the beam axially.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

BENJAMIN A. FLESHMAN.

Witnesses:

J. H. CHAPPELL,
W. H. CAIN.