

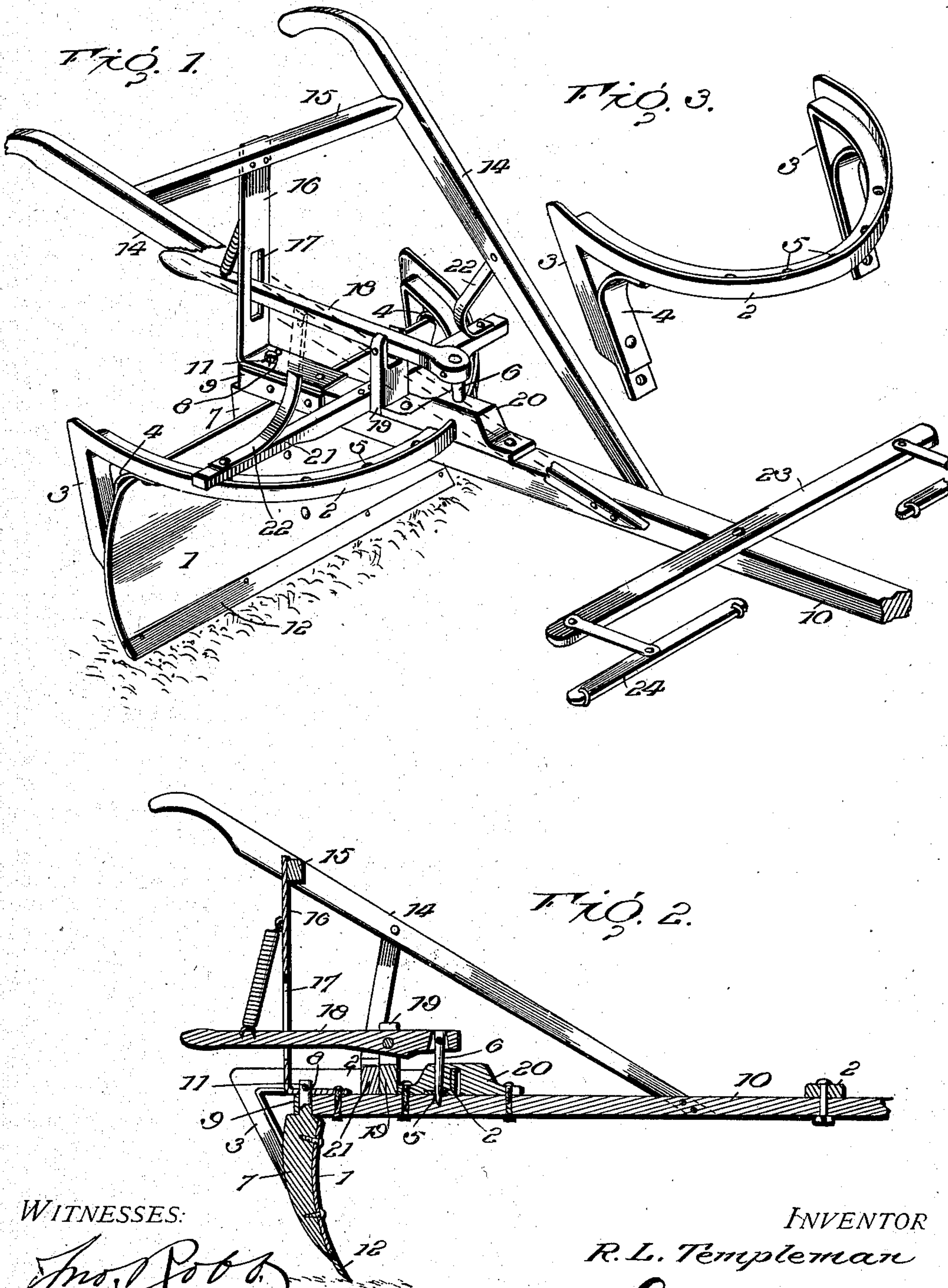
No. 736,312.

PATENTED AUG. 11, 1903.

R. L. TEMPLEMAN.  
ROAD SCRAPER.

APPLICATION FILED JUNE 10, 1903.

NO MODEL.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ROBERT L. TEMPLEMAN, OF TACKETT MILLS, VIRGINIA.

## ROAD-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 736,312, dated August 11, 1903.

Application filed June 10, 1903. Serial No. 160,935. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT L. TEMPLEMAN, a citizen of the United States, residing at Tackett Mills, in the county of Stafford and State of Virginia, have invented certain new and useful Improvements in Road-Scrapers, of which the following is a specification.

This invention has for its object to devise an implement for leveling roads and surfaces and which is adjustable so as to throw the earth, stones, and the like to one side or the other of the track of the machine, the novelty residing in the peculiar construction of the parts and the relative arrangement thereof, which hereinafter will be more particularly set forth, illustrated, and outlined in the subjoined claims.

In the drawings hereto attached and forming a part of the specification, Figure 1 is a perspective view of a road-scraper embodying the vital features of the invention. Fig. 2 is a vertical central longitudinal section thereof. Fig. 3 is a detail perspective of the frame for supporting the board or plate forming the shovel.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The frame carrying the shovel 1 comprises an approximately semicircular bar 2 and standards 3, pendent from the ends of the curved bar. Curved braces 4 span the angle formed between the standards 3 and end portions of the curved bar 2 and support the end portions of the shovel 1, which are attached thereto. The frame is preferably constructed of an angle-bar, which in practice is found to give the best results, since the wings serve to brace the frame-bar in every direction. The horizontal wing of the curved portion 2 is provided with a series of openings 5 for cooperation with a lock-pin 6 to secure and hold the shovel 1 in any position within its range of movement. A standard 7 is secured to the middle portion of the shovel 1, and its upper end is reduced and forms a journal 8, which is mounted in a bearing 9 at the rear end of the pole or tongue 10. This journal 8 is concentric with the circle upon which the curved bar 2 is struck. A pin 11 is passed through a transverse opening in the upper

end of the journal 8 and holds the shovel in place in conjunction with the curved bar 2, which rests upon the pole or tongue 10.

The shovel 1 consists of a plate or board of desired length and height and is concave upon its front side intermediate of its upper and lower edges. This plate or board may be of metal or other material and is provided at its lower end with a blade 12, of steel, preferably tempered, so as to resist wear and maintain a cutting edge for effective work.

Handle-bars 14 are secured at their lower ends to the pole or tongue 10 and project upward and rearward and are connected by a cross-bar 15 and are braced by a stay or upright 16, secured at its lower end to the pole or tongue 10 and at its upper end to the cross-bar 15. A slot 17 is formed in the upright or brace 16 to receive the rear end of the horizontal lever 18, pivoted intermediate of its ends to standard 19, projected upward from the pole or tongue. The lock-pin 6 is pivoted at its upper end to the front end of lever 18 and operates in a vertical opening formed in block 20, attached to the pole 10, and which is transversely apertured to receive the vertical and horizontal flanges of the semicircular bar 2. The lower end of lock-pin 6 enters an opening in the pole 10, hence receiving a support above and below the horizontal wing of the bar 2. A cross-bar 21 is firmly attached to the rear portion of the pole 10, and its end portions overhang opposite portions of the curved bar 2 and are connected to the handle-bars by braces 22, thereby stiffening and strengthening the implement. The team is hitched to the pole or tongue 10 in the usual manner by means of the doubletree 23 and singletrees 24.

The implement operates in the accustomed way, being drawn over the road or surface to be leveled or scraped, the lower edge of the shovel leveling the projecting parts and filling depressions. In the event of it being required to throw any surplus earth, stones, or the like to one side or the other of the road the shovel is correspondingly inclined either to the right or to the left, the degree of inclination being regulated by the amount of earth, stones, and the like to be moved to one side of the road. By depressing the rear end of lever 18 the lock-pin 6 is elevated, thereby freeing the curved bar 2 and shovel 1 and permitting the latter



to be turned about the journal 8 as a vertical axis, and when the shovel has been properly positioned it is made fast by elevating the rear end of lever 18, thereby causing the lock-pin 6 to pass through one of the openings 5 of the curved bar 2 and secure the same and the shovel in the desired position.

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

10 1. In an implement of the character described, the combination with the pole and a shovel, of a curved bar secured to said shovel, a standard secured to the shovel and having a journal concentric with the curved bar and  
15 mounted in a bearing of the pole, and means for securing the curved bar to the pole so as to fix the position of the shovel, substantially as set forth.

2. In an implement of the character described, the combination of a pole, a shovel journaled to the pole so as to be turned about a vertical axis, a semicircular bar connected at its ends to the shovel and comprising a horizontal wing formed with a series of openings,  
25 a block secured to the pole for confining the semicircular bar thereto, and a lock-pin passed through an opening in the block and adapted to engage with one of the openings of the curved bar for holding the latter and  
30 the shovel in an adjusted position, substantially as specified.

3. In an implement of the character described, the combination of a pole, a frame comprising a semicircular bar and pendent  
35 portions at the ends of said bar forming standards, braces spanning the angles formed between the curved bar and pendent terminal portions thereof, a shovel secured to said braces, means for pivotally connecting the  
40 shovel to the pole concentric with said semicircular bar, and means for securing said bar to the pole for holding the shovel in an adjusted position, substantially as set forth.

4. In an implement of the character described, the combination of a pole, a frame

comprising a semicircular bar and terminal standards, braces connecting the bent end portions of the bar with the semicircular portion thereof, a shovel secured to said braces, a standard secured centrally to the shovel and  
50 having a journal concentric with the semicircular bar mounted in a bearing of the pole, means for loosely confining the semicircular bar to the pole, and a lock device cooperating with the pole and curved bar for securing the shovel in the required position, substantially as described.

5. In combination, a pole, a shovel journaled thereto intermediate of its ends, a curved bar secured to the shovel and supported by  
60 means of the pole, handle-bars extended upward and rearward from the pole, a brace connecting the rear portion of the handle-bars with the pole and having a slot intermediate of its ends, a lever fulcrumed upon the pole  
65 and having its rear portion passed through the slot of the handle-bars, and a lock-pin operated by means of said lever for securing the shovel in the desired position, substantially as specified.

6. In combination, a pole, a shovel journaled thereto intermediate of its ends, a curved bar connected with the shovel and in engagement with the pole, handle-bars attached at their lower ends to the pole and projected upward and rearward, a brace between the rear  
75 portion of the handle-bars and the pole, a transverse bar secured to the pole and having its end portions overlapping the end portions of said curved bar, braces between the handle-bars and the end portions of said transverse bar, and means for securing the curved bar to the pole for holding the shovel in an adjusted position, substantially as set forth.

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

ROBERT L. TEMPLEMAN. [L. S.]

Witnesses:

WALTER S. COX,

WILLIE A. GOODWIN.