(No Model.) 2 Sheets—Sheet 1.

H. L. JACOBS.

TONGUE FOR WHEELED SCRAPERS.

No. 556,753. Patented Mar. 24, 1896.

Fig. 1.

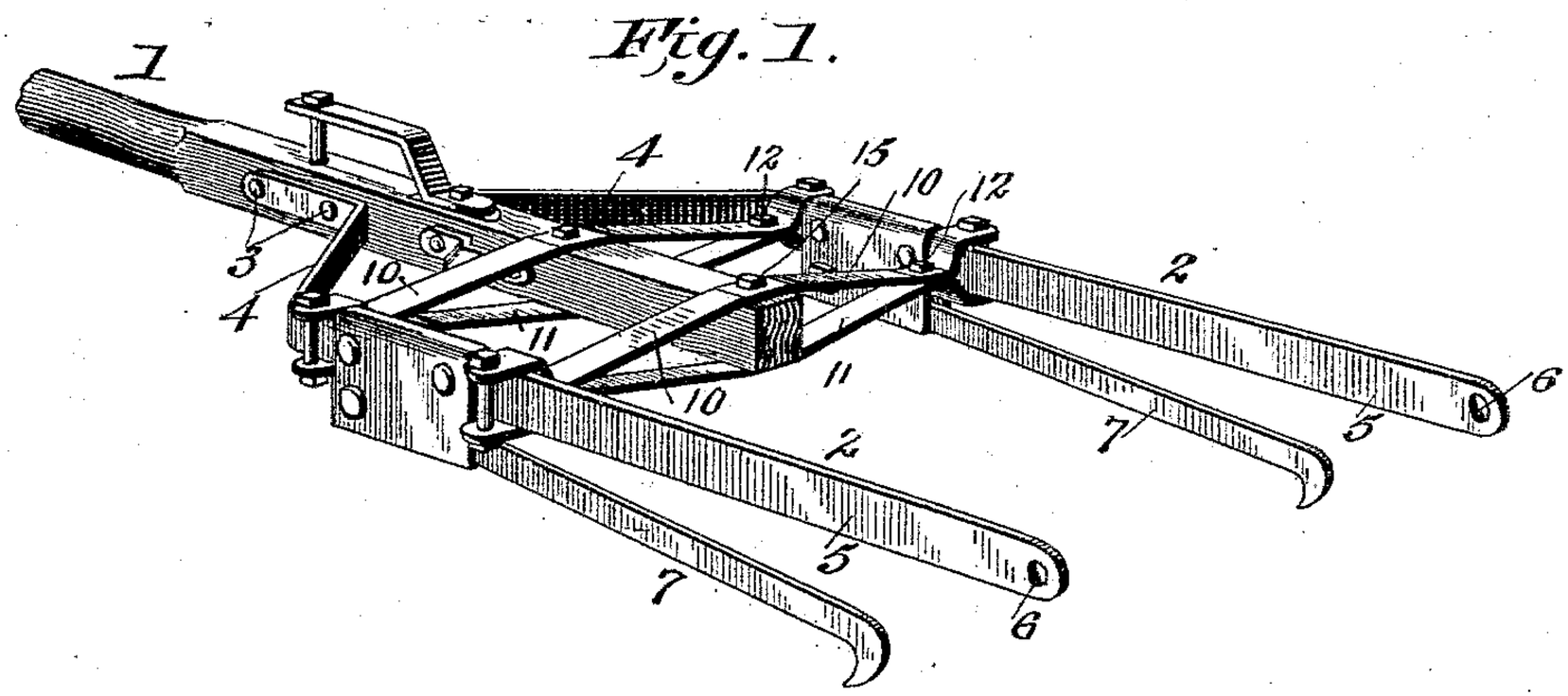
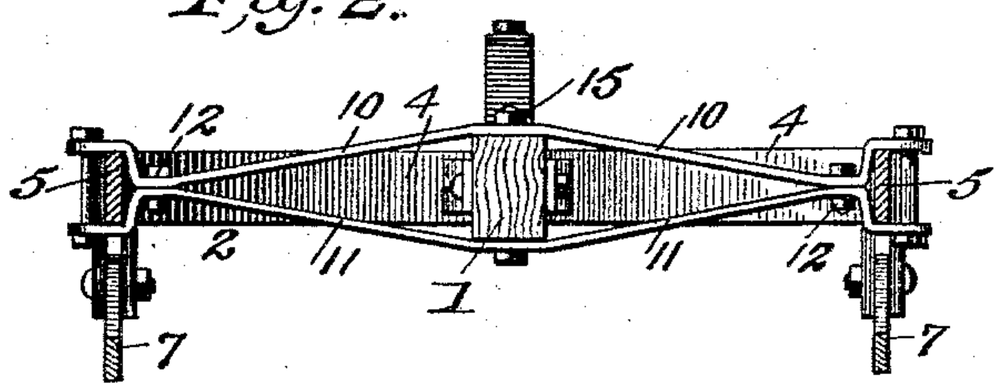


Fig. 2.



WITNESSES:

W. A. T. Blondes.

Walter E. Allen.

INVENTOR

Henry L. Jacobs.

BY Knight Bros.

ATTORNEYS

(No Model.) 2 Sheets—Sheet 2.

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No. 556,753. Patented Mar. 24, 1896.

Fig. 3.

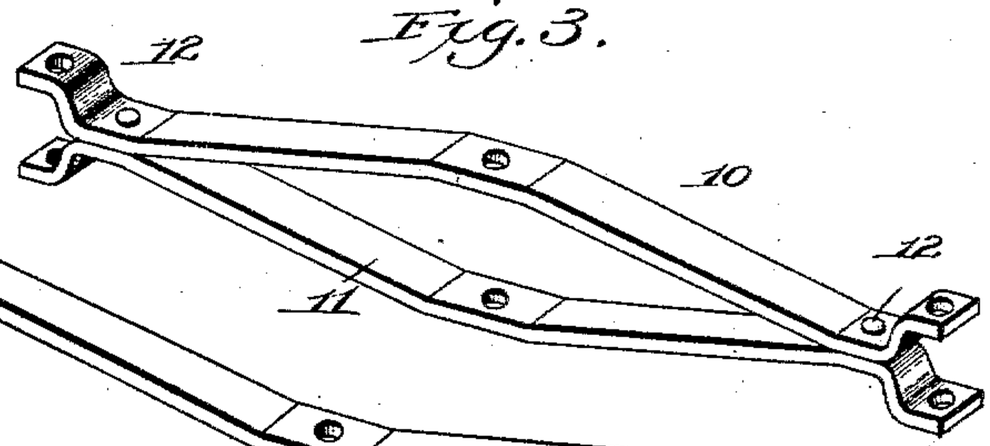


Fig. 4.

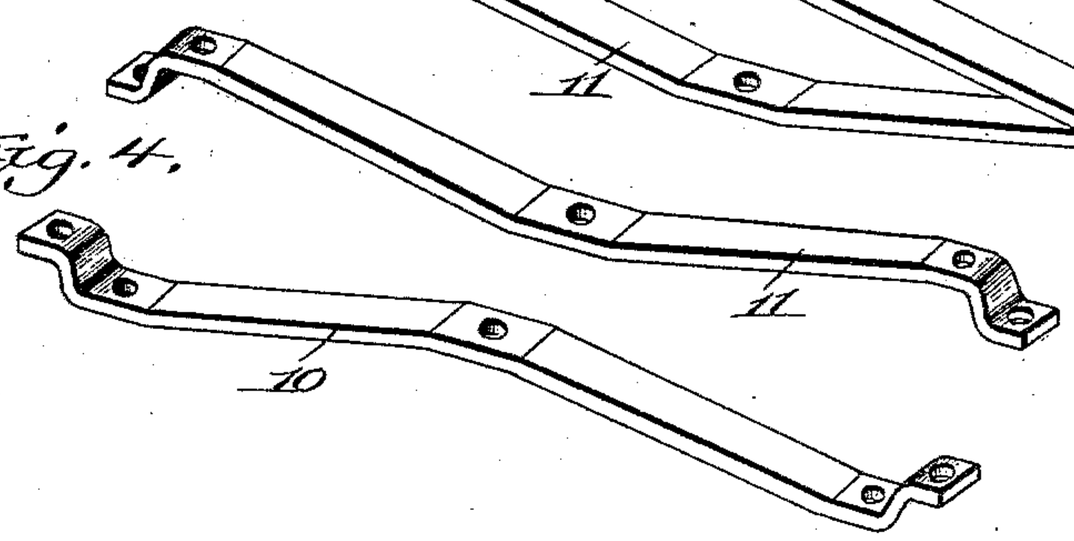
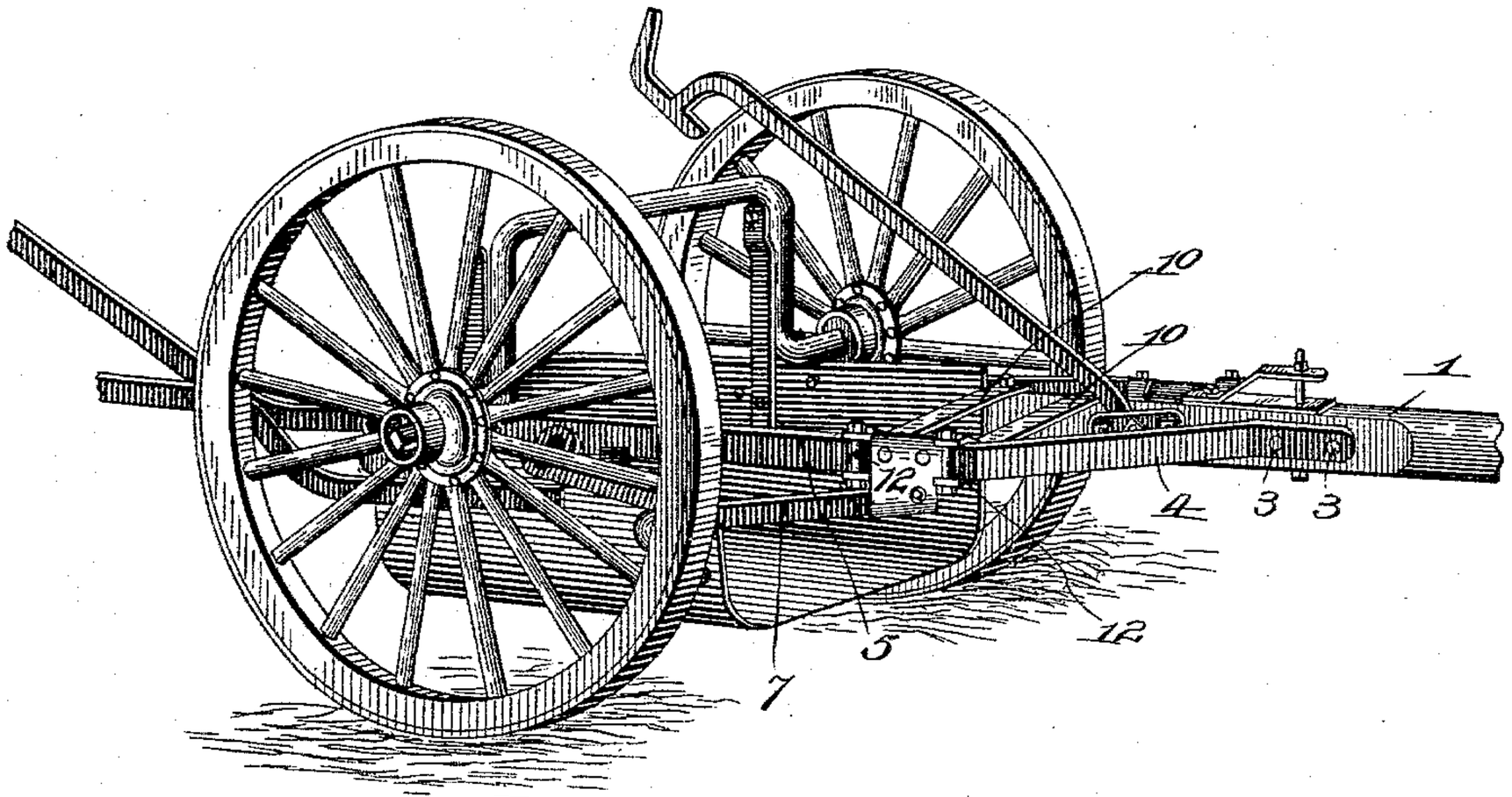


Fig. 5.



Witnesses:
Harry D. Polhemus,
Herbert Bradley.

Inventor:
Henry L. Jacobs.
By Knight Bros.
attys.

UNITED STATES PATENT OFFICE.

HENRY L. JACOBS, OF COLUMBUS, OHIO.

TONGUE FOR WHEELED SCRAPERS.

SPECIFICATION forming part of Letters Patent No. 556,753, dated March 24, 1896.

Application filed February 20, 1895. Serial No. 539,150. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. JACOBS, a citizen of the United States, residing at Columbus, Franklin county, and State of Ohio, have invented a new and useful Improvement in Tongues for Wheeled Scrapers, of which the following specification, taken in connection with the accompanying drawings, is a full, clear, and exact description.

It is well known that in order to accomplish good work with two-wheeled earth-scrapers it is of the greatest importance that the course of the scraper be perfectly under control of the tongue, for the scraper-bowl is inclined to run into the earth too deep and will follow the direction of its edge, which forms the bottom of the bowl, unless prevented by a rigid or unyielding tongue.

It is the object, therefore, of my present invention to produce a substantial framework for connecting the pole or tongue to a wheeled scraper for preventing any sagging or bending out of line of the scraper-bowl when in use.

I will first fully describe my invention with reference to the accompanying drawings, and afterward particularly point out the novelty in the annexed claims.

In said drawings, Figure 1 is a perspective view of my improved tongue and frame, and Fig. 2 is a rear sectional view. Fig. 3 is a perspective view of a pair of my improved bow-shaped truss-bars secured together. Fig. 4 represents, in perspective, the separated truss-bars. Fig. 5 is a front perspective view of a wheeled scraper provided with my improved trussed tongue.

1 represents the tongue or pole.

2 are the hounds or draw-bars rigidly bolted to the tongue at 3 and having the inclined portions 4 and the rear extensions or wings 5 extending parallel to the tongue. The draw-bars are formed with pivot-holes 6 for attachment to the wheeled scraper. 7 are draft-hooks constructed in the usual form and rigidly secured to the wings of the hounds.

My improved trusses for rigidly uniting the wings 5 of the hounds to the ends of the pole 1 are constructed of two steel truss-bars 10 and 11 riveted together at 12, adjacent to their outer ends and formed bow-shaped so as to spread apart in the center to receive the end of the pole between them, one section or bar 10 passing over the pole and the other section or bar 11 passing under the pole. The extreme ends of the truss-bars 10 and 11 are bent to form angular jaws which embrace the hounds or draw-bars. A bolt 15 passes through the center of the trusses and tongue embraced thereby for securing them to the pole, while bolts or rivets pass through the ends of the truss-bars for securing them to the hounds.

I have shown in the drawings two trusses constructed exactly alike and secured in the same manner some distance apart, but it is obvious that instead of constructing two separate trusses the same object could be accomplished by employing only one truss broad enough to form a deep socket for the pole.

With my improved trussed cross-frame, one section of each truss passing over and the other under the pole and securely connected together, it is impossible to spring the hounds either up or down, and they will consequently be held firmly in alignment.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The trusses or cross-bars formed of two bow-shaped sections each end of each section having an angular jaw and the sections rigidly connected together near their ends and spread apart in center to embrace the tongue or pole between them, substantially as described.

2. The combination of the trusses or cross-bars, each cross-bar formed of two bow-shaped sections, rigidly connected together near their ends and spread apart in center to embrace the tongue or pole, with the tongue or pole and hounds of the scraper, and a bolt passing through the upper and lower section of trusses and pole to firmly bind them together, substantially as described.

3. The combination of a tongue and the hounds or draw-bars connected thereto, with the truss-bars attached to the tongue at the

center and connected near their ends and formed with jaws which embrace the hounds, substantially as set forth.

4. The combination of the tongue or pole, and the hounds or draw-bars connected thereto, with the truss-frames comprising bow-shaped bars connected adjacent to their ends and spread in the middle to embrace the tongue to which they are rigidly secured, and formed with jaws at their ends which embrace and are rigidly secured to the hounds, as set forth.

HENRY L. JACOBS.

Witnesses:
K. E. WILLIAMS,
F. M. SACKETT.