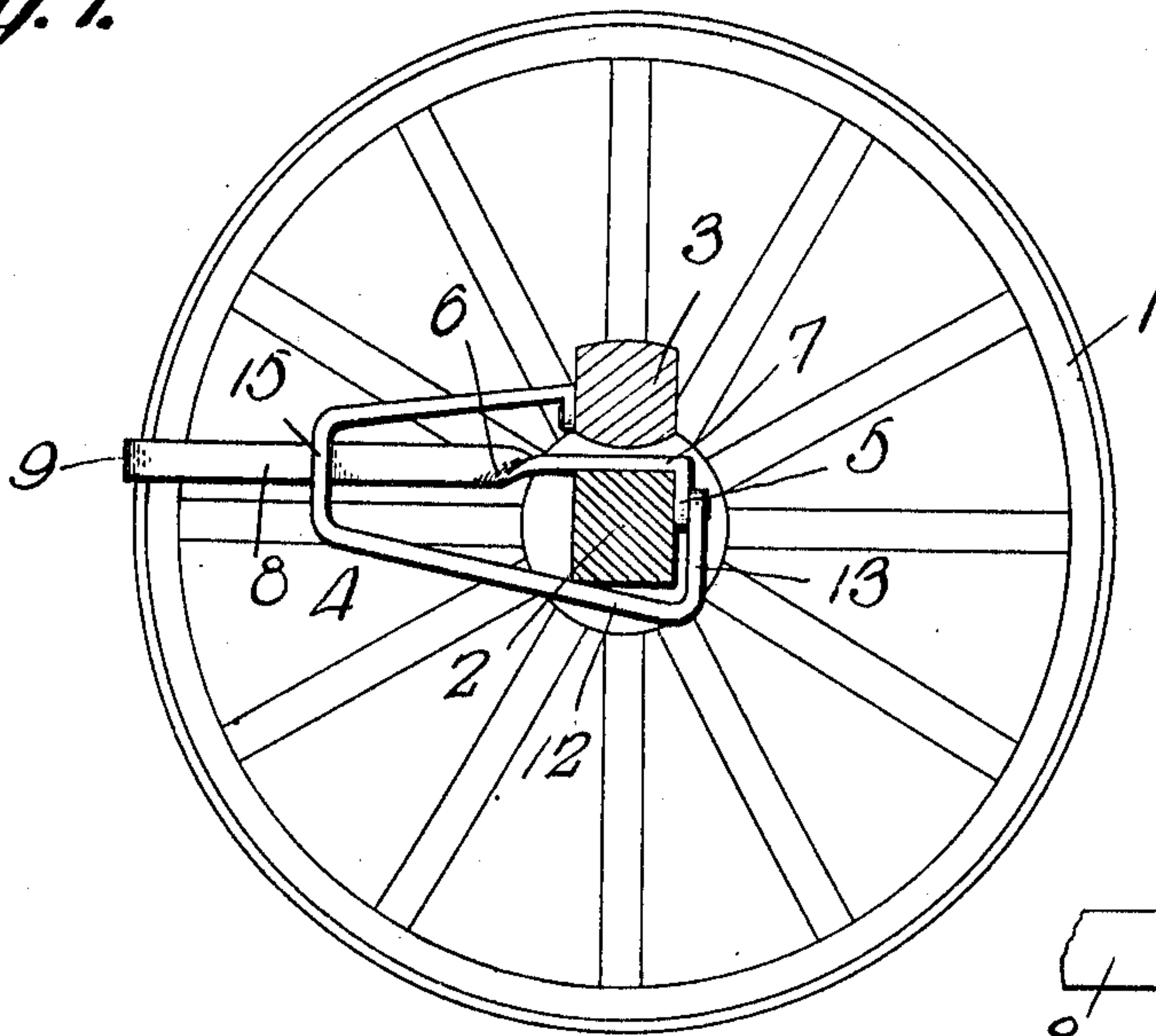


# WHEEL SCRAPER.

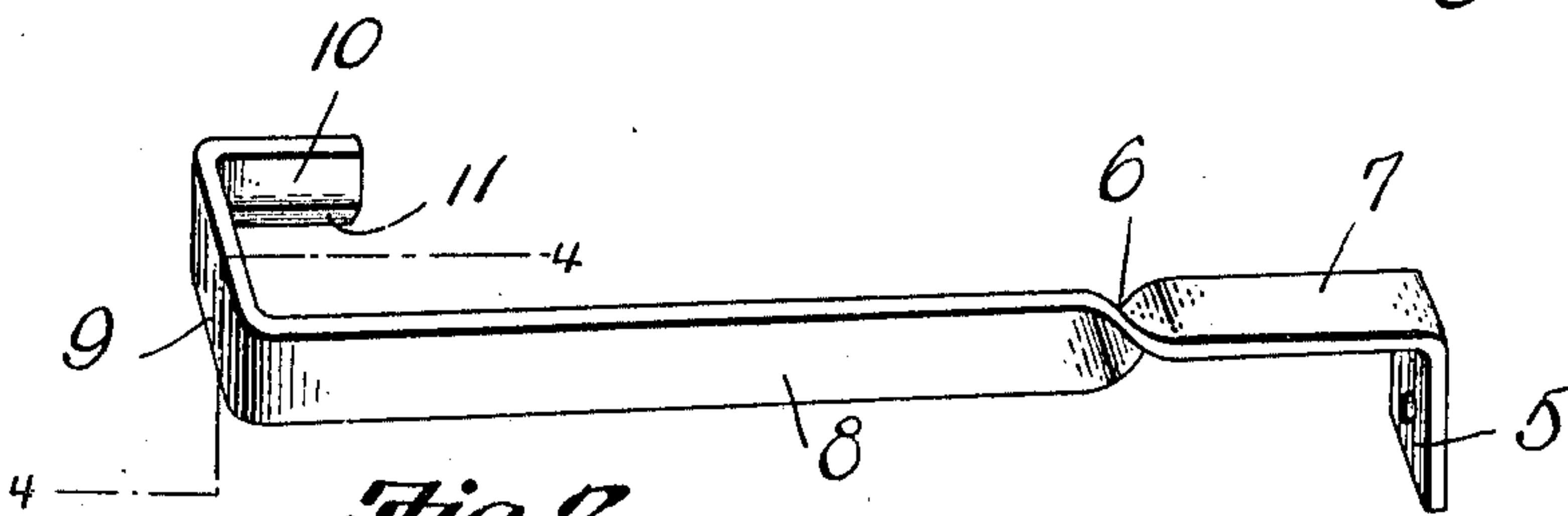
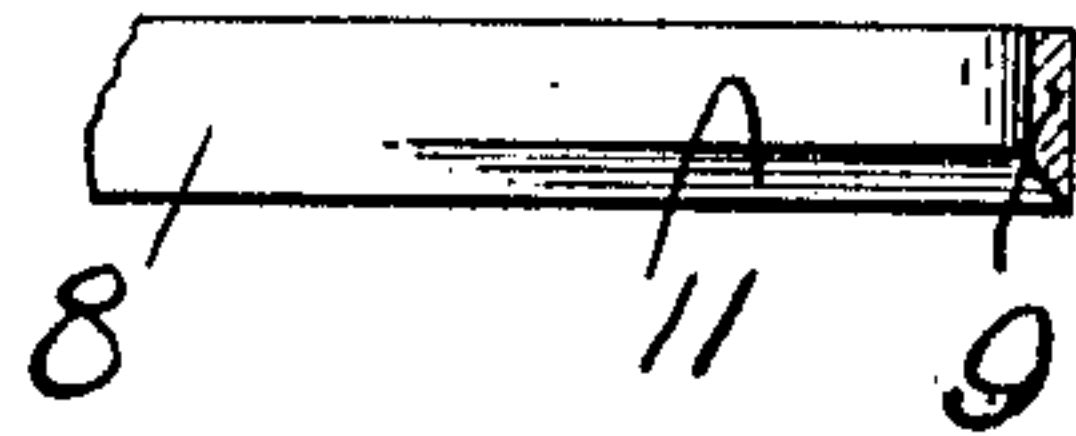
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2 SHEETS—SHEET 1.

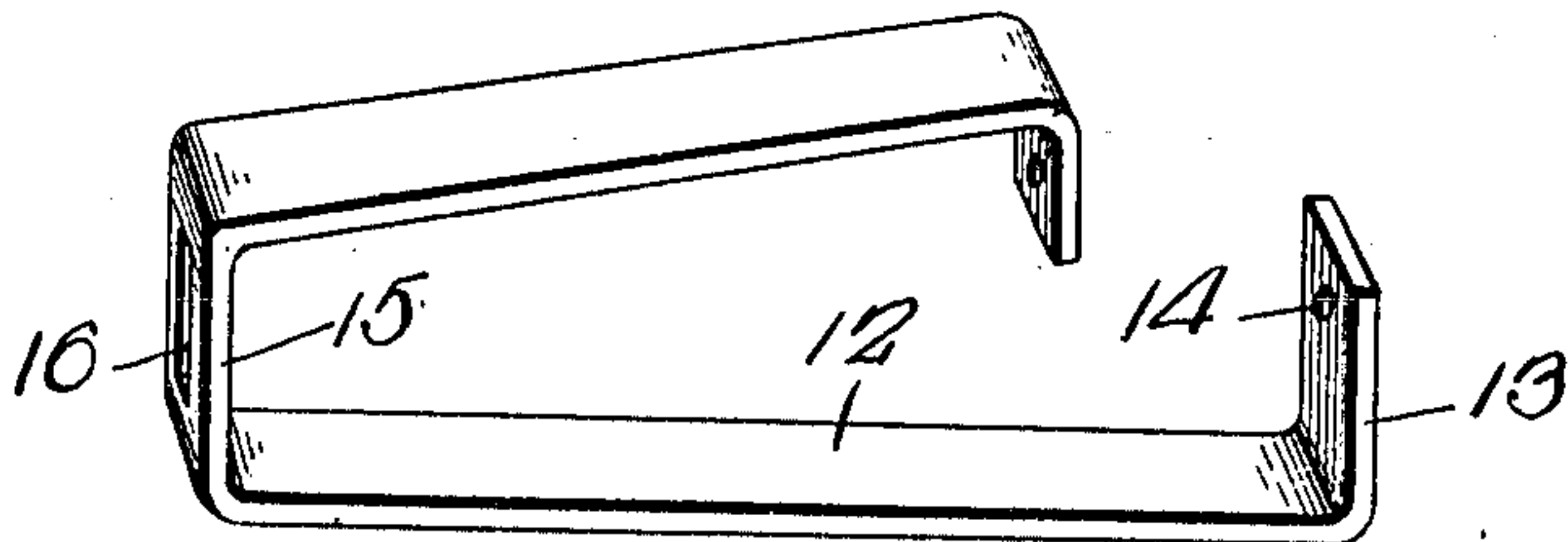
*Fig. 1.*



*Fig. 4.*



*Fig. 2.*



*Fig. 3.*

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WHEEL SCRAPER.

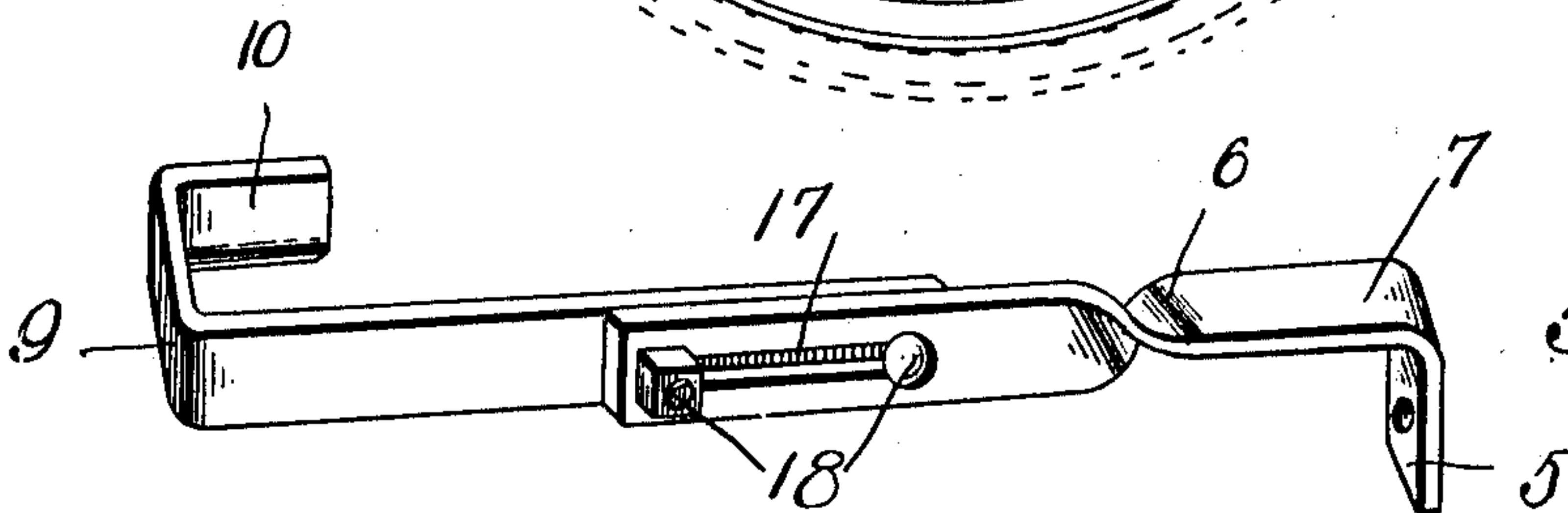
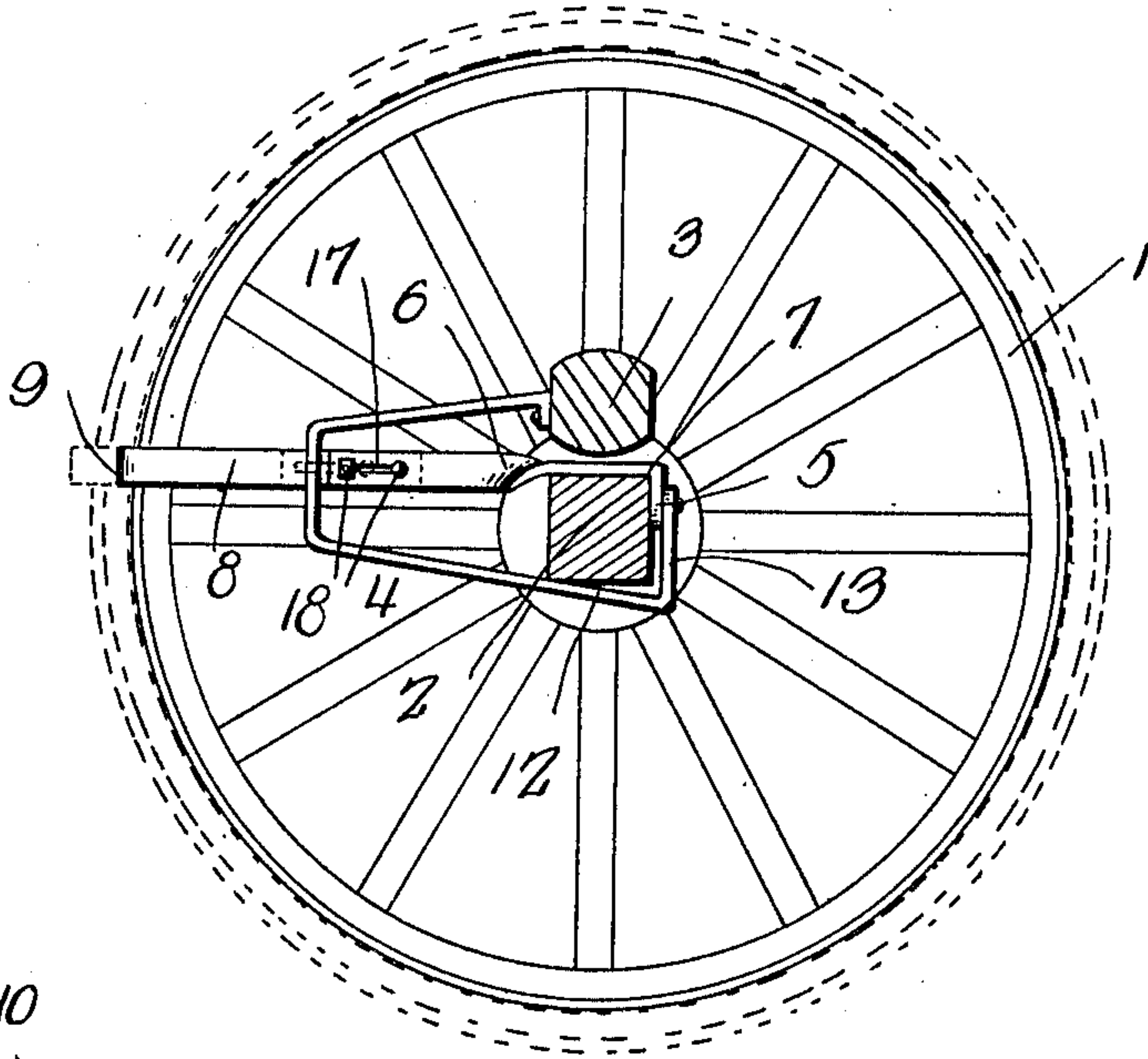
APPLICATION FILED OCT. 15, 1909.

970,277.

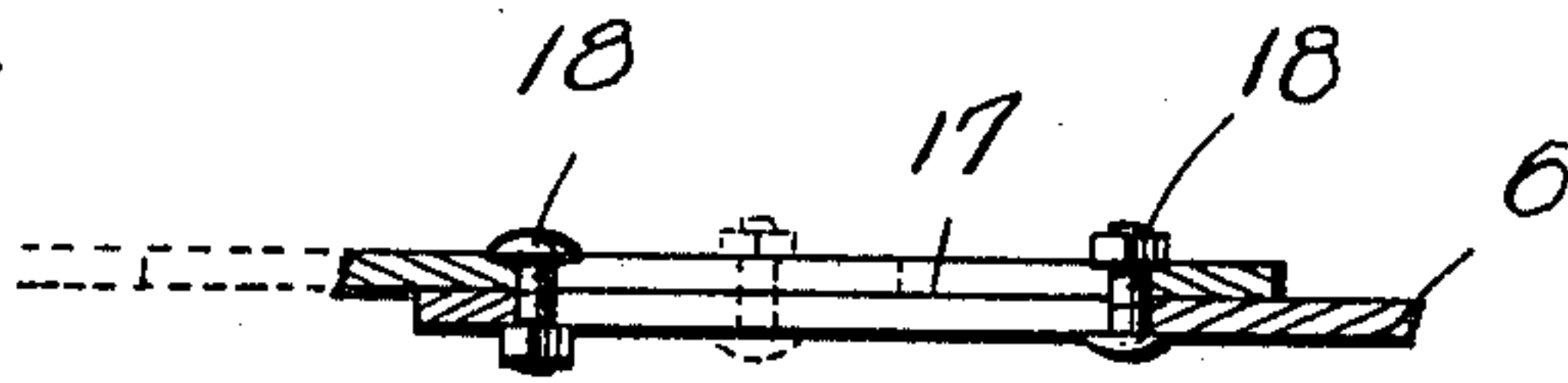
Patented Sept. 13, 1910.

2 SHEETS—SHEET 2.

*Fig. 5.*



*Fig. 6.*



*Fig. 7.*

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# UNITED STATES PATENT OFFICE.

WILLIAM H. THOMAS AND CHARLES H. RODGERS, OF ALGOMA, MISSISSIPPI.

## WHEEL-SCRAPER.

970,277.

Specification of Letters Patent. Patented Sept. 13, 1910.

Application filed October 15, 1909. Serial No. 522,782.

*To all whom it may concern:*

Be it known that we, WILLIAM H. THOMAS and CHARLES H. RODGERS, citizens of the United States, residing at Algoma, in the county of Pontotoc and State of Mississippi, have invented new and useful Improvements in Wheel-Scrapers, of which the following is a specification.

Our invention relates to certain new and useful improvements in wheel scrapers and consists in the novel combination and arrangement of parts which will be hereinafter more particularly described and pointed out in the claims.

Referring to the drawing forming a part of the specification: Figure 1 is a side elevation of our complete invention as applied to the running gear of an ordinary wagon or other vehicle, showing said invention in its operative position in respect to the wheel thereof. Fig. 2 is a perspective view of that portion of the invention which forms the scraper proper and comes in close relation to the wheel of the vehicle. Fig. 3 is a perspective view of the clamping and supporting device or portion for the scraper; Fig. 4 is a vertical cross section taken on the line 4—4 of Fig. 2 viewing said view from the rear thereof. Fig. 5 is a side elevation of our complete invention as applied to the running gear of an ordinary vehicle showing our invention as applied thereto in the modified form. Fig. 6 is a perspective view of the modified form of wheel scraper. Fig. 7 is a longitudinal section of the scraper in its modified form, shown on the line 5—5 of Fig. 6.

The object of our invention is to construct a simple and practical device or scraper which may be readily and easily attached to the running gear of any wagon or other vehicle and adapted to be yieldingly held in its proper relation in respect to the wheel or wheels thereof and embracing the same in such a manner as to remove the dirt or other accumulation that may be collected or carried by said wheel or wheels during the movement of the vehicle and it consists in the novel combination and arrangement of parts which will be hereinafter described.

Referring to the drawing, 1 represents an ordinary wheel, 2 an axle and 3 the transverse or supporting beam, all of which form the usual construction or parts of the ordinary wagon or other vehicle, to which our

invention is readily and mechanically attached.

To the axle or other stationary or fixed part of the wagon or other vehicle is rigidly secured one end of a scraper arm or bar 4, one end of which is bent downwardly a sufficient distance, in which an opening 5 is formed for the purpose hereinafter described, said arm or bar being constructed of a suitable metal adapted to be turned or bent along its length as shown at 6, thus forming two flat portions 7 and 8 which are located in transverse position in relation to one another, the long portion 8 of said arm extending a suitable distance and provided with a portion 9 formed at a right angle to the same, the terminating end 10 of which is again formed at a right angle to the portion 9 all of which forms a U-shaped projecting end for the said scraper arm which is adapted to embrace the tire or tread surface of the wheel or wheels of the wagon or other vehicle in close relation thereof, but preferably out of contact therewith for the purpose previously described. The lower edges of the scraper bar or arm 4 about its outer end or U-shaped portion thereof are formed into a knifed edge 11 which extends around the U-shaped portion referred to and a suitable distance along the long portion 8 of the scraper arm 4, which operates to more properly remove the mud or other accumulations that may be collected by the wheel or wheels of the vehicle.

In order to rigidly secure the scraper arm 4 to the vehicle in proper relation to the wheel or wheels thereof a brace 12 is employed having an upwardly turned end 13 provided with a suitable opening 14 through which a bolt, screw or other fastening device is passed, and through the opening 5 formed in the downwardly projecting portion of the scraper arm, said suitable fastening device being also passed through the axle or other stationary part of the vehicle. The opposite end of the supporting brace 12 is also provided with a downwardly projecting portion which is provided with means for securing the said brace in any suitable or mechanical manner to the supporting brace or beam 3 of the wagon or other vehicle as clearly shown in Fig. 1 of the drawing, the vertical connecting portion 15 of the brace 12 being provided with a longitudinal slot 16 extending along its



length which is adapted to freely but snugly receive the scraper bar or arm 4 about its long portion 8, whereby the free U-shaped end of the scraper arm is properly supported or held in relation to the wheel or wheels of the vehicle in close proximity to the tire and rim of said wheels for the purpose previously described.

It is to be observed by the foregoing description that when the device is properly attached to the running gear of the vehicle the terminal end or portion 10 of the scraper arm will be located on the outside of the tire and rim of the wheel, the connecting portion 9 of said arm cooperating with or embracing the tread portion of said wheel and the long portion 8 of the arm extending along the inside of the wheel and attached to the axle or other stationary part of the vehicle in the manner previously described.

In the modified form of our invention, as shown in Figs. 5, 6 and 7 of the drawings the wheel scraper or arm 4 is formed of two parts which are movably secured and adjusted along their lengths by slots 17 formed in the overlapping meeting ends of said sections, the parts being rigidly or adjustably secured together by bolts 18 as clearly shown in Fig. 7. By this construction the U-shaped projecting end of the scraper may be adjustably brought in its proper relation in respect to the wheel or wheels of the vehicle for removing the dirt or accumulation therefrom, as previously described with ref-

erence to the previous construction whereby the invention may be rigidly attached and adjustably applied to vehicles having various sizes of wheels.

Having fully described our invention what we claim is:

A wheel scraper comprising an arm one end portion of which is twisted and downturned and adapted to be secured to the upper face and rear side of an axle, the free end of said arm terminating in a U-shaped portion to embrace the rim of a wheel, the lower edges of the U-shaped portion being beveled to form a knife edge, a substantially U-shaped support having the terminal of one of its limbs bent upwardly to bear on and be secured to the downturned end of the arm, and having the terminal of its opposite limb downturned to be secured to the front face of a bolster, and the portion connecting the said limbs having an oblong recess to receive the medial portion of said arm, whereby the free end portion of said arm is yieldingly held in juxtaposition to the rim of the wheel for the purposes described.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM H. THOMAS.  
CHAS. H. RODGERS.

Witnesses:

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R. A. GORDON.