

(No Model.)

2 Sheets—Sheet 1.

W. T. COOK.
GUTTER CLEANER.

No. 596,694.

Patented Jan. 4, 1898.

FIG. 1.

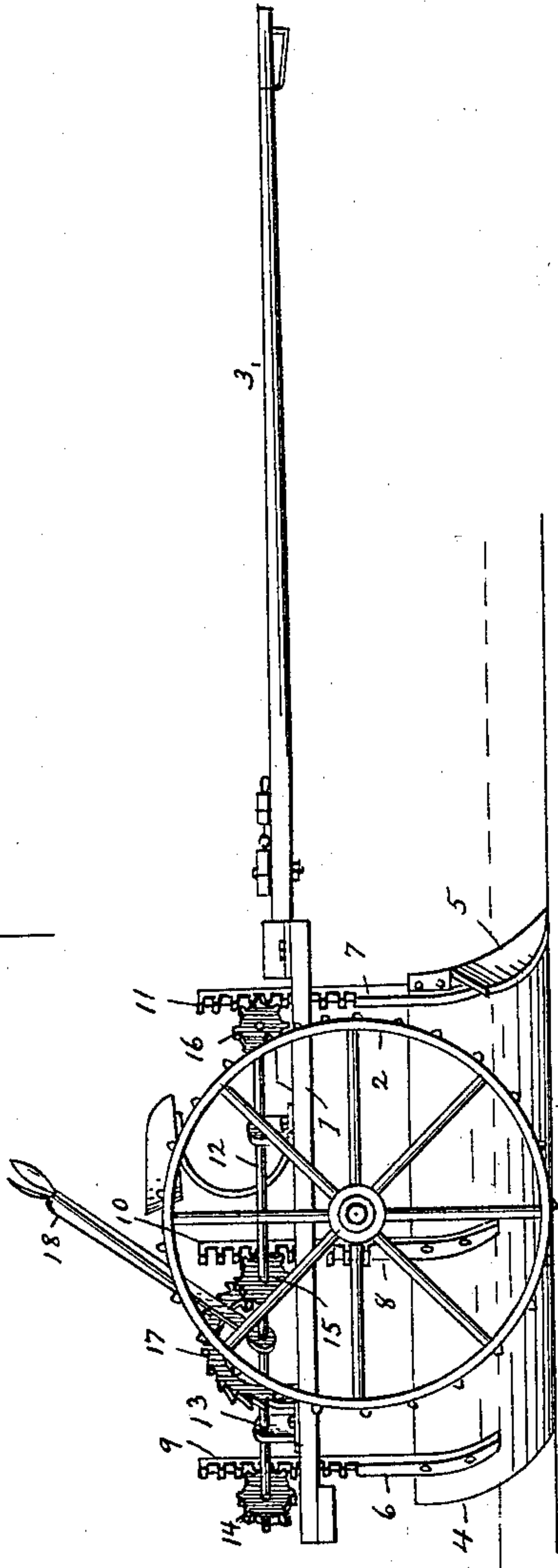
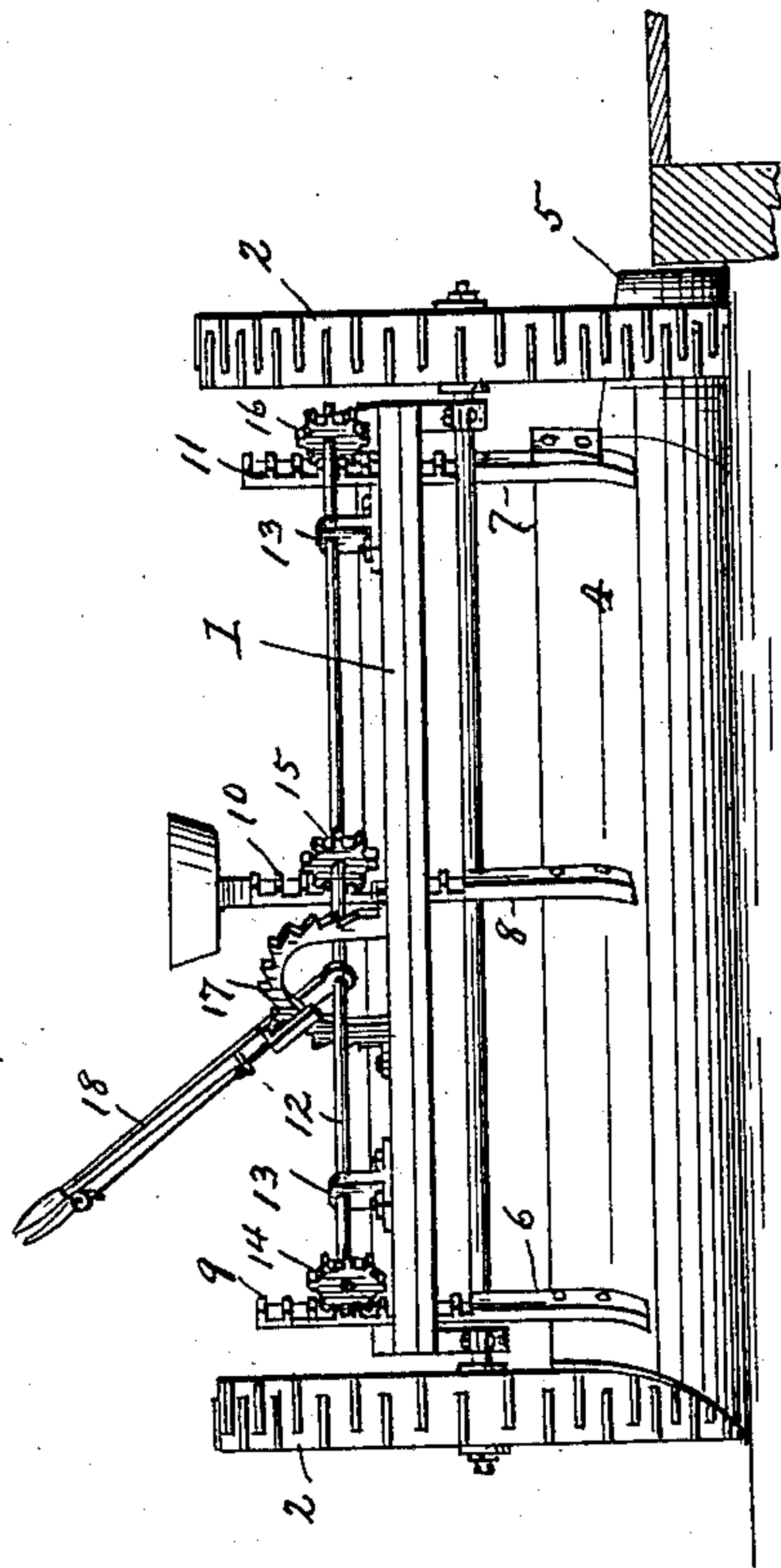


FIG. 2.



WITNESSES

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By John Heddenburn
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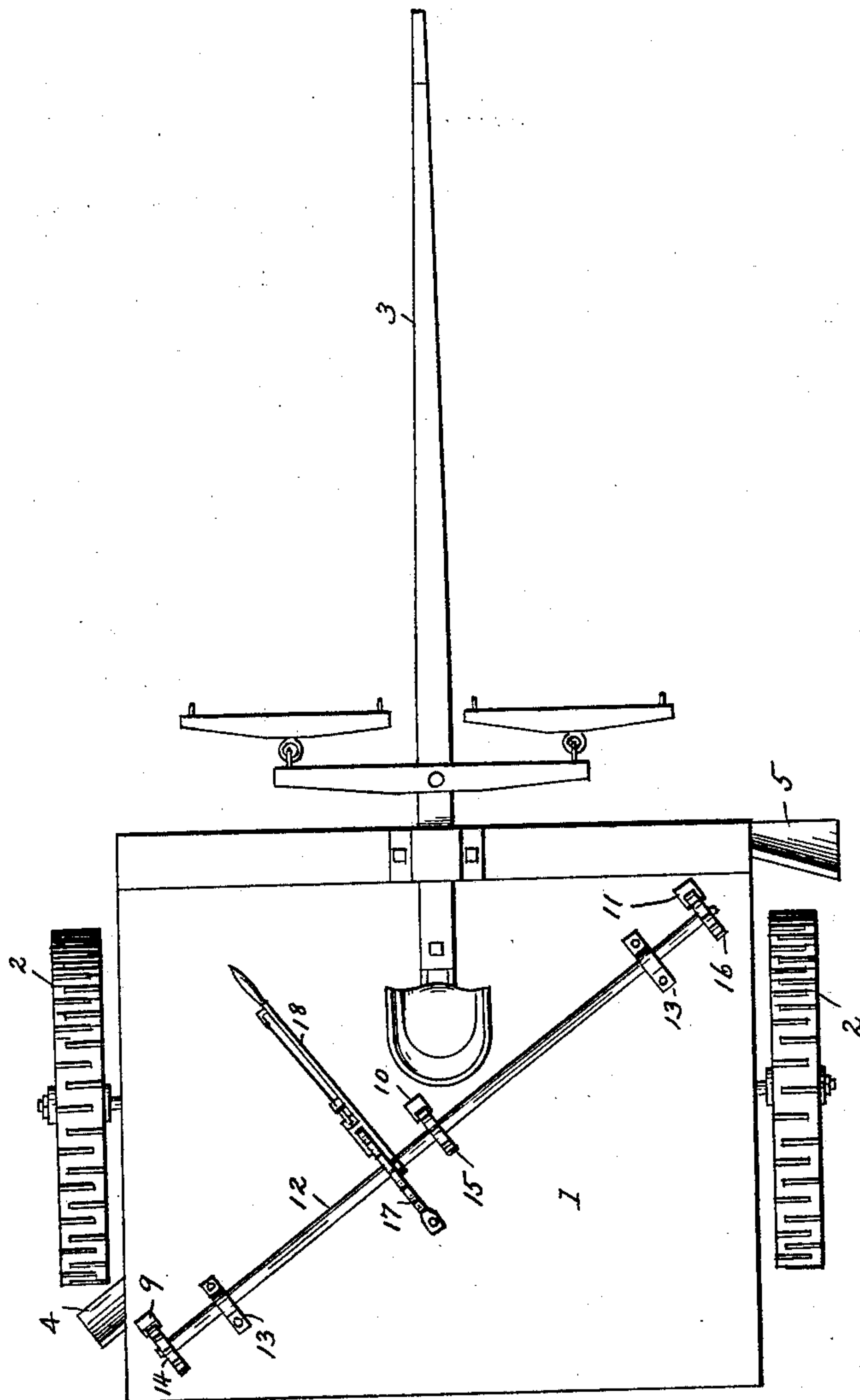
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FIG. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

WALTER T. COOK, OF FRAMINGHAM, MASSACHUSETTS.

GUTTER-CLEANER.

SPECIFICATION forming part of Letters Patent No. 596,694, dated January 4, 1898.

Application filed February 20, 1897. Serial No. 624,348. (No model.)

To all whom it may concern:

Be it known that I, WALTER T. COOK, a citizen of the United States, residing at Framingham, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Gutter-Cleaners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to street-gutter cleaners.

My object is to provide a machine of simple and cheap construction which will comprise such improved coöperative mechanism that the same can be drawn along a street, and will remove from the gutter all the dirt and foreign material and deposit the same on the street, where it can be readily gathered up when desirable.

Having the foregoing object in view, my invention consists of a machine of the class described, which embodies certain improved features and novel combinations of parts appearing more fully hereinafter.

In the accompanying drawings, Figure 1 is a side elevation; Fig. 2, an end elevation, and Fig. 3 a plan.

The machine body or platform is designated by the numeral 1, while 2 are the traction-wheels, which may be of any preferred construction. The draft-tongue is shown at 3.

The numeral 4 designates the moldboard of the plow or cleaner, the same extending transversely of the platform below the latter and in inclined relation to the longitudinal axis of the machine. There is a cutter or colter 5, which is located at one end of the moldboard and is adapted to cut or slice the foreign material from the face of the curb, said colter being inclined rearwardly from the moldboard and extending laterally beyond the traction-wheel of the machine. It will be observed that the moldboard is concave, and by virtue of its rearward inclination the material after being taken from the gutter is passed out into the street. It will be observed that owing to the projection of the colter

the same is adapted to thoroughly clean the dirt from the curb and there is no liability of the traction-wheel striking the latter. At the ends of the moldboard are uprights 6 and 7, which are suitably guided by devices connected to the platform. There is also an intermediate upright 8, connected to the moldboard. These uprights have racked or toothed faces 9, 10, and 11.

The numeral 12 designates an obliquely-disposed shaft, which is journaled in suitable bars 13, connected to the top of the platform, and carried by this shaft are pinions 14, 15, and 16, which mesh with the racks 9, 10, and 11.

The numeral 17 designates a grooved locking-rack having notches, and 18 is a crank-handle connected to the shaft and adapted to engage with the notches. It will be observed, therefore, that by rocking this crank-handle the shaft will be made to turn, and the pinions by their engagement with the racks will adjust the plow or moldboard and cutter up or down, according to the direction in which the crank is rocked, and said plow can be locked at the desired height by the engagement of the crank with the rack.

The machine is driven along the street with the cutter or colter 5 immediately adjacent to the face of the curb. Said colter slices all the dirt or foreign material while the moldboard scrapes the surface of the pavement, and owing to the inclination and construction of said moldboard the material is worked out into the street, so that it can be readily taken up.

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

In a device of the class described, the combination with a machine-frame and traction-wheels therefor of a plow-moldboard extending transversely of the machine and inclined in relation to the longitudinal axis thereof, a colter secured to the moldboard and inclined rearwardly and extending laterally beyond the traction-wheel, uprights connected to the moldboard and having racks, said uprights working in guides, a shaft journaled

in bearings on the machine-frame, pinions
carried by said shaft which mesh with the
racks, a controlling-lever or crank-handle se-
cured to the shaft, and rack-and-pawl mech-
5 anism adapted for locking the crank-handle
at predetermined points.

In testimony whereof I have signed this

specification in the presence of two subscrib-
ing witnesses.

WALTER T. COOK.

Witnesses:

THOS. MANNING,
C. J. FROST.