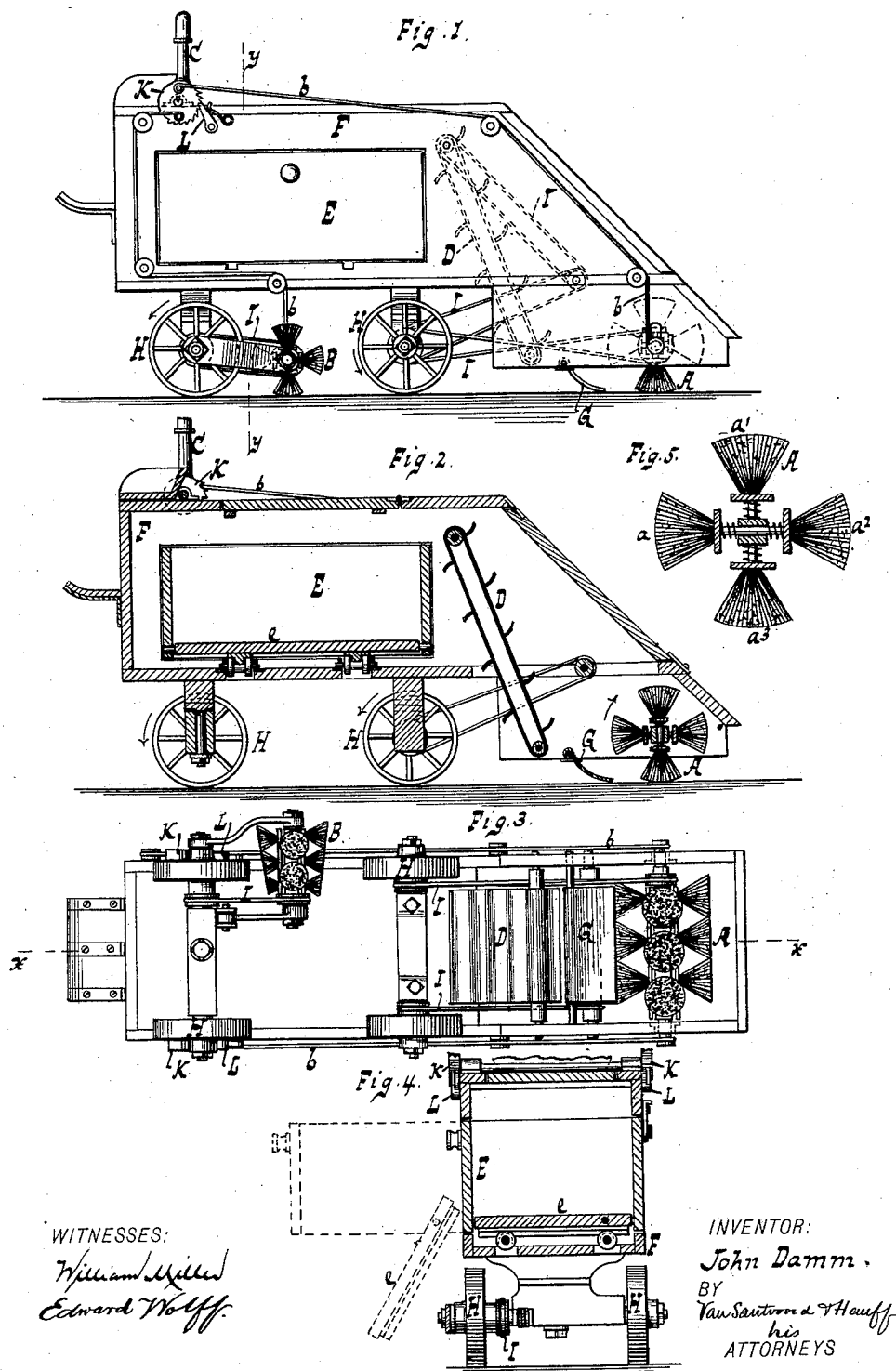


(No Model.)

J. DAMM.
STREET SWEEPER.

No. 472,437.

Patented Apr. 5, 1892.



UNITED STATES PATENT OFFICE.

JOHN DAMM, OF NEW YORK, N. Y.

STREET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 472,437, dated April 5, 1892.

Application filed September 24, 1891. Serial No. 406,672. (No model.)

To all whom it may concern:

Be it known that I, JOHN DAMM, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Street-Sweepers, of which the following is a specification.

This invention relates to an improvement in street-sweepers; and it consists in the details of construction set forth in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the sweeper. Fig. 2 is a section along xx , Fig. 3. Fig. 3 is an inverted plan view of Fig. 1. Fig. 4 is a section along yy , Fig. 1.

The rear brush A is composed of elastically-supported or spring-supported independent sections a a' a^2 a^3 , so that each section can give in order to pass obstructions. Both the rear brush A and the gutter-brush B are connected by cables b b in the form of ropes or chains with the ratchet-disk K of a lever C, whereby both brushes can be simultaneously raised or lowered. The dirt is thrown by brush A along scoop G into the elevator D, which delivers the dirt into a box or receptacle E, which is fitted transversely into the frame or support F. Said receptacle has a drop-bottom e , so that when the receptacle is drawn out to the position shown by dotted lines, Fig. 4, the bottom drops to dump or deliver the contents of the receptacle. The frame F is supported by the wheels H, so as to form a vehicle which can be readily propelled or drawn. Belts I convey motion from the wheels or their axles to the elevator and brushes. The gutter-brush, it is noticed, is adapted to remove the dirt from the gutter

and throw it into the path of the rear brush. The scoop G swings on a suitable pivot, so that said scoop trails along the pavement.

The lever C, it is noticed, is provided with a ratchet-disk K, to which the cables b are eccentrically connected, so that on swinging the lever in the proper direction the ropes are tightened to simultaneously raise the gutter-brush and the lever-brush. The pawl L enables the disk and lever to be locked.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a street-sweeper, the combination, with a vertically-movable rear brush A, a front gutter-brush B, and an elevator D, of a rotary disk K, having a lever C, and a pair of cables b , both eccentrically secured to the disk and connected, respectively, with the rear brush and the gutter-brush for simultaneously raising and lowering the two brushes, substantially as described.

2. In a street-sweeper, the combination, with a vertically-movable rear brush A, a front gutter-brush B, and an elevator D, of a rotary ratchet disk K, having a lever C, a pair of cables b , both eccentrically secured to the disk and connected, respectively, with the rear brush and the gutter-brush for simultaneously raising and lowering the two brushes, and a pawl for locking the ratchet-disk, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN DAMM.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.