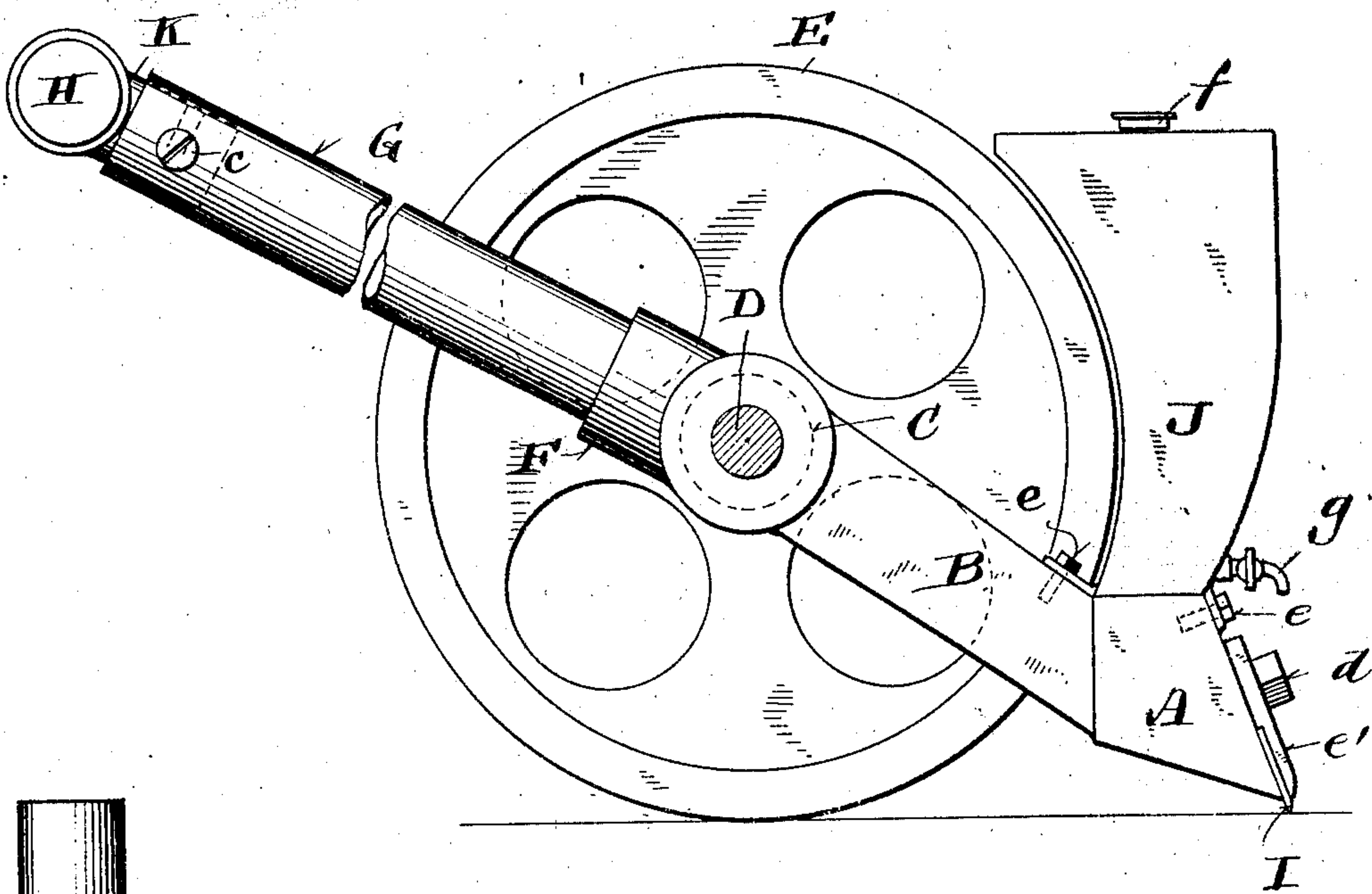


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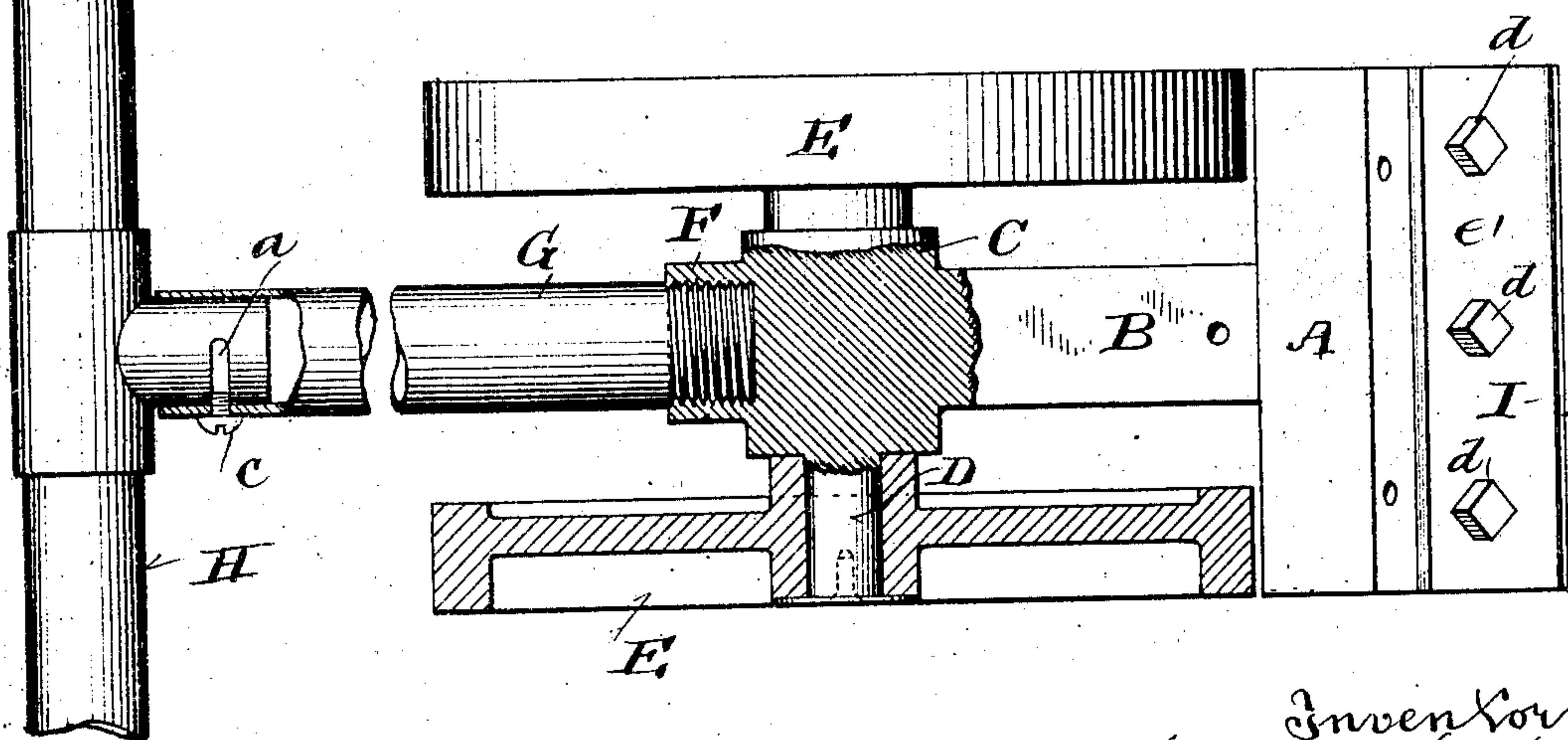
PATENTED JAN. 1, 1907.

F. F. HASE.  
FLOOR SCRAPER.  
APPLICATION FILED AUG. 24, 1906.

*Fig. 1.*



*Fig. 2.*



Witnesses:  
Fred Palm.

*George Telber*

Inventor:  
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Attorneys.



# UNITED STATES PATENT OFFICE.

FRANK F. HASE, OF MILWAUKEE, WISCONSIN.

## FLOOR-SCRAPER.

No. 839,994.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed August 24, 1906. Serial No. 331,839.

*To all whom it may concern:*

Be it known that I, FRANK F. HASE, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Floor-Scrapers; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention refers to floor-scrappers; and it consists in certain peculiarities of construction and combination of parts, as fully set forth hereinafter with reference to the accompanying drawings and subsequently claimed, its object being to provide a simple and effective floor-scraper so arranged as to be capable of manipulation with ease by unskilled labor.

In the drawings, Figure 1 is a side elevation of a floor-scraper embodying the features of my invention, one of the wheels being shown removed, the axle in section; and Fig. 2, a plan view of the same with portions broken away and portions in section to better illustrate the details, the variable-weight tank being removed.

Referring by letter to the drawings, A indicates a solid metal scraper-head, and B a neck thereof, said neck terminating in a bearing-hub C, from which projects a stud-axle D, that has loosely mounted thereon a pair of wheels E for the support of the scraper.

A shank F extends rearward of the bearing-hub C, into which is threaded a stem G, that is preferably formed from a pipe-section. The end of the stem is open to receive a T-coupling K, the center boss of which enters the stem, having a semicircular slot *a* for the reception of a locking-screw *c*, which serves to hold said T in place and at the same time permits the latter to swivel. The cross of the T has secured therein a handle-bar H, provided for convenience of the operator in manipulating the device when the latter is to be used adjacent a wall or the like. By reason of the swivel connection of its handle-bar the said bar may be turned at a right angle to the position as shown in the drawings in order to permit said machine to work directly adjacent to said wall.

A blade I is secured to the front inclined surface of the scraper-head by means of a plate *c* and bolts *d*, the latter drawing the plate firmly down upon the blade, and thereby securely holding the same in its adjusted

position, said blade being capable of quick removal for grinding or replacing.

The weight of the scraper-head and its parts is such as would be ordinarily used for delicate work, and in order to add to the same a tank J is secured to the head by means of lugs and bolts *e*, the tank being provided with a filling-opening and cap *f* and a drain-cock *g* at the bottom thereof. The tank is designed to receive water, sand, or other shifting weighty material that can be readily drawn off or added to in order to get the exact weight required to produce pressure upon the scraper for various kinds of work, and when the device is not in use the surplus weight thus obtained may be drawn off to reduce said weight, thereby rendering the scraper lighter for transportation and reducing the cost of manufacture, as well as shipment charges.

In operating the machine it is only necessary to permit the blade by gravity to rest upon the work and draw the same in a direction corresponding to the incline of said blade, and when the latter is at the end of its stroke press the handle down, so that the scraper-head will clear the floor or other article being scraped, the direction of the device being then reversed for another cut, and so on.

I claim—

1. A floor-scraper comprising a blade-head having a rearward neck, supporting-wheels mounted upon the neck at either side thereof, a stem projecting from said neck, and a handle swiveled in the stem.

2. A floor-scraper comprising a blade-head having a rearward neck, supporting-wheels mounted upon the neck at either side thereof, a stem projecting from said neck, and a tank secured to the blade-head, whereby water or other shifting weighty material is retained.

3. A floor-scraper comprising a weighted blade-head having a rearward neck, supporting-wheels mounted upon the neck at either side thereof, a stem projecting from said neck rearward of the axial line of the wheels, and a handle connected to the stem.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

FRANK F. HASE.

Witnesses:

GEO. W. YOUNG,  
FRED PALM