

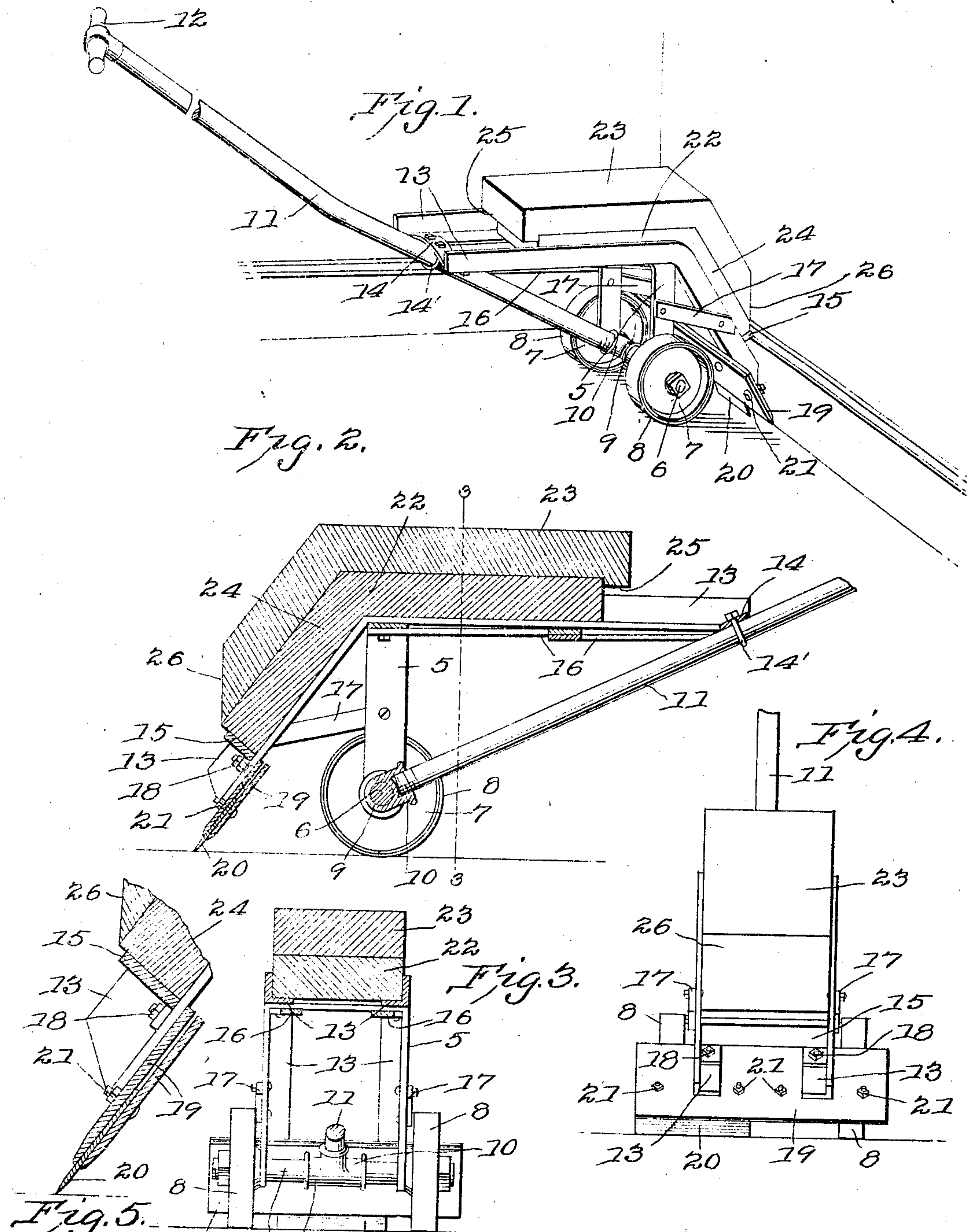
No. 812,055.

PATENTED FEB. 6, 1906.

S. A. M. LINVILLE.

FLOOR SCRAPER.

APPLICATION FILED JULY 24, 1905.



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# UNITED STATES PATENT OFFICE.

STEPHEN A. M. LINVILLE, OF CONCORDIA, KANSAS.

## FLOOR-SCRAPER.

No. 812,055.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed July 24, 1905. Serial No. 271,070.

*To all whom it may concern:*

Be it known that I, STEPHEN A. M. LINVILLE, a citizen of the United States, residing at Concordia, in the county of Cloud and State of Kansas, have invented a new and useful Floor-Scraper, of which the following is a specification.

This invention relates to tools for scraping and dressing hard-wood floors and similar plane surfaces, and has for its object to provide an improved tool of this character by means of which the entire surface of the floor may be quickly and conveniently dressed.

A further object of the invention is to provide a truck or carriage having a pair of clamping members at its forward end for the reception of the scraping-blade, said blade being adjustable laterally with respect to the carriage.

A still further object of the invention is to provide a truck or carriage having a plurality of weights mounted thereon and disposed above the scraping-blade for exerting a downward pressure on the latter, said weights having their end portions inclined or beveled, whereby the carriage may be positioned in the corner of the room with the scraping-blade bearing against the mop-board, so as to effectually scrape the entire surface of the floor.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in form, proportions, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a scraping-tool constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view. Fig. 4 is a front elevation showing the manner of adjusting the scraping-blade. Fig. 5 is a detail sectional view of the clamping members.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The improved device consists of a truck or carriage comprising an inverted-U-shaped supporting-frame 5, the opposite legs of which

are secured in any suitable manner to an axle 6, upon which are journaled the truck-wheels 7, the latter being preferably provided with tires of rubber, leather, or other yieldable material 8, so as to prevent scratching or otherwise marring the floor as the carriage is moved back and forth over the surface of the same.

Mounted on the axle 6 is a sleeve or collar 9, provided with a central extension 10, in which is threaded a tongue 11, having its free end terminating in a cross head or handle 12 for convenience in manipulating the tool. Riveted or otherwise rigidly secured to the frame 5 is a weight-receiving platform comprising a pair of angle-bars 13, connected together at one end by a transverse bar 14, which is in turn secured to the tongue of the handle 12 by a retaining-clip 14', the opposite ends of the angle-bars 13 being bent or deflected downwardly in advance of the wheels 7 and connected by a similar transverse bar 15. The angle-bars 13 are further connected by diagonal braces 16 and the deflected ends of said bars secured to the side members or legs of the supporting-frame 5 by means of short inclined braces 17. Secured to the free or deflected ends of the angle-bars 13, as by bolts 18, are a pair of clamping members or plates 19, between which is supported the scraping blade or tool 20. The clamping-plates 19 extend transversely of the truck or carriage and project slightly beyond the wheels of the latter, as shown, the blade 20 being mounted for lateral movement between said plates and locked in adjusted position by suitable clamping-bolts 21. By having the scraping-blade mounted in this manner the same may be quickly adjusted to either end of the clamping members, so that said blade will be in position to scrape the flooring at the base of the mop-board on either side of the room.

As a means for exerting a downward pressure on the scraping tool or blade I mount suitable weights 22 and 23 on the weight-supporting platform. The weights 22 and 23 are preferably angular in shape to conform to the shape of the platform, the lower weight 22 having an angular extension 24 bearing against the transverse bar 15, while the upper weight 23 is provided with a terminal depending flange 25, adapted to engage the adjacent end of the weight 23, as shown. The angular extension of the upper weight 23 is also inclined or beveled, as indicated at 26, so



that the truck or carriage may be positioned in the corner of the room close against the wall, with the scraping-blade in contact with the mop-board, as best shown in Fig. 1 of the drawings.

In operation the truck or carriage is moved on the wheels or rollers to one end of the room and the handle of the tool elevated, which tilts the scraping-blade in contact with the floor and in which position the carriage is pulled toward the operator, thereby effectually scraping or dressing the surface of the floor. When it is desired to scrape the floor at the corners of the room or at the sides of the room close to the mop-board, the scraping-blade is adjusted laterally between the clamping members and the operation above referred to repeated.

From the foregoing description it will be seen that there is provided an extremely simple and inexpensive device admirably adapted for the attainments of the ends in view.

Having thus described the invention, what is claimed is—

1. In a device of the class described, a wheeled truck, a weight-receiving platform carried by the truck and having one end thereof deflected downwardly, a pair of clamping members secured to the deflected end of the truck, and a scraping-tool interposed between the clamping members and adjustable laterally of the truck.

2. In a device of the class described, a wheeled truck provided with an operating-handle, a weight-receiving platform carried by the truck and having one end thereof secured to the operating-handle and its free end deflected downwardly, and a scraping-blade secured to the deflected end of the truck and adjustable laterally beyond the wheels of the latter.

3. In a device of the class described, a wheeled truck provided with an operating-handle, a horizontally-disposed weight-receiving platform carried by the truck and having one end thereof secured to the operating-handle and its free end deflected downwardly, and a scraping-blade carried by the deflected end of the platform, said blade being movable into and out of contact with

the work by the movement of the operating-handle.

4. In a device of the class described, a wheeled truck, a supporting-frame mounted on the axle of the truck, a pair of spaced angle-irons secured to the supporting-frame and forming a weight-receiving platform, and a scraping-blade carried by the truck and adjustable laterally beyond the wheels thereof.

5. In a device of the class described, a wheeled truck, a weight-receiving platform secured to the truck and having its free end deflected downwardly, and a scraping-tool secured to the deflected end of said platform and adjustable laterally beyond the wheels of the truck.

6. In a device of the class described, a truck, a weight-receiving platform secured to the truck and having its free end deflected downwardly, a scraping-tool secured to the deflected end of the platform and adjustable laterally of the truck, a plurality of weights mounted on the platform, and means for preventing accidental displacement of said weights.

7. In a device of the class described, a wheeled truck, a weight-receiving platform mounted on the truck and having its free end deflected downwardly toward the wheels thereof, a bar extending transversely of the platform at the free end of the latter, a scraping-tool secured to said platform, and a weight provided with an angular extension for engagement with the transverse bar of the platform.

8. In a device of the class described, a truck, a weight-receiving platform mounted on the truck and having one end thereof deflected downwardly, a scraping-tool secured to the deflected end of the platform, a weight mounted on said platform and having one end thereof inclined or beveled.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

STEPHEN A. M. LINVILLE.

Witnesses:

J. R. HENDRICKS,  
R. H. LINVILLE.