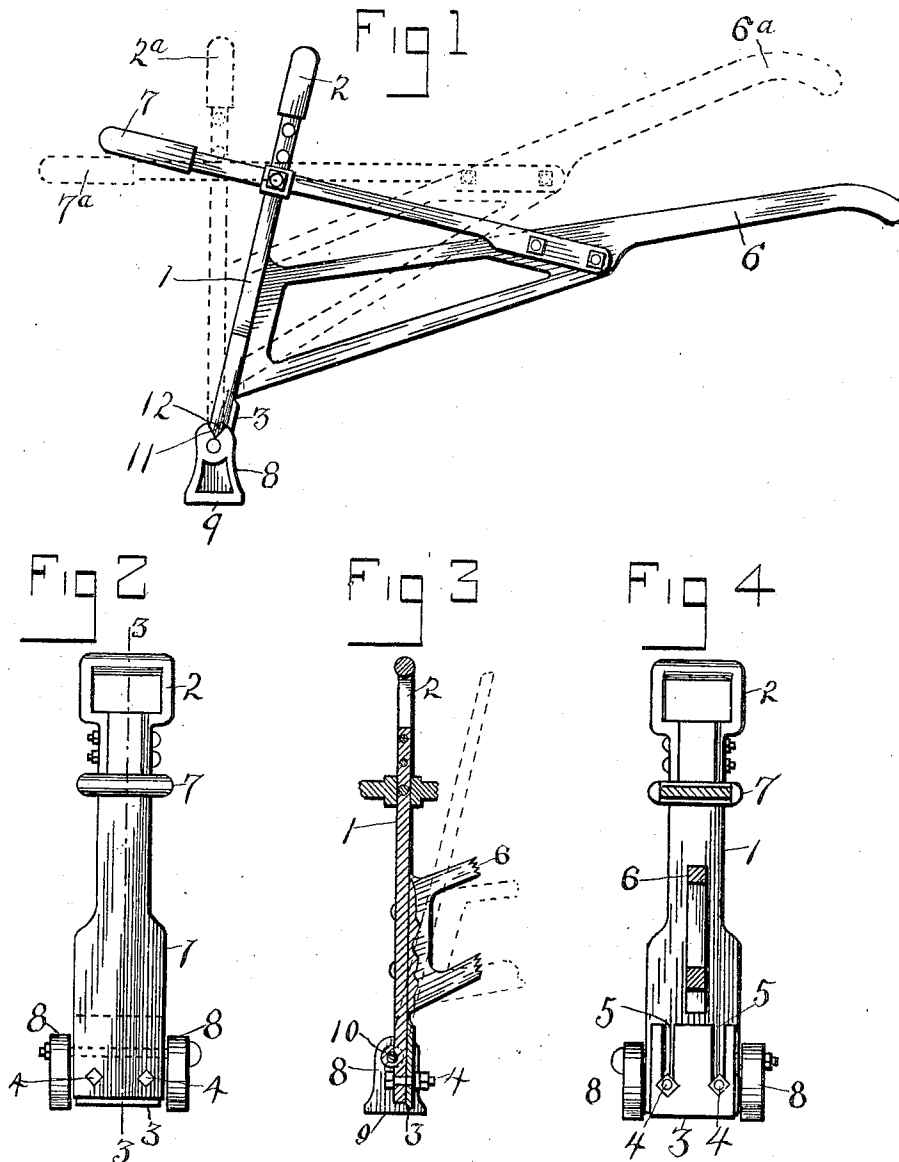


No. 827,791.

PATENTED AUG. 7, 1906.

H. S. DURKEE.
FLOOR SCRAPER.

APPLICATION FILED SEPT. 29, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

HARRY S. DURKEE, OF MANSFIELD, MASSACHUSETTS.

FLOOR-SCRAPER.

No. 827,791.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed September 29, 1905. Serial No. 280,688.

To all whom it may concern:

Be it known that I, HARRY S. DURKEE, a subject of the King of Great Britain, residing at Mansfield, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Floor-Scrapers, of which the following is a specification.

My invention relates to floor-scrapers, and has for its object to produce a floor-scraper proportioned for the convenient use of one or two operatives.

Another object of my invention is to provide a floor-scraper with which a shaving of any desired thickness may be removed and the thickness regulated by the tilt of the scraper.

A further object of my invention is to provide a floor-scraper in which the scraping-knife may be lifted from the work for the return stroke.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a view of my improved floor-scraper in side elevation. Fig. 2 is a view of my improved floor-scraper in rear elevation. Fig. 3 is a vertical sectional view of my improved floor-scraper, taken on line 3 3 of Fig. 2. Fig. 4 is a view in front elevation of my improved floor-scraper with the handle and brace broken away.

Like characters of reference designate corresponding parts throughout the several views.

In its preferred embodiment my improved floor-scraper comprises a head 1, having a handle 2 at its upper end and provided with an adjustable knife 3 at its lower end. The knife 3 is secured to the head 1 and in the desired vertical adjustment by the bolts 4 passing through the head 1 and the slots 5 of the scraper-blade. A forwardly and upwardly extending handle 6 is provided by which the scraper may be drawn along the work, and a rearwardly-extending handle 7 is provided, which, in conjunction with handle 2, provides a means for controlling the movement of the scraper and varying the pressure exerted thereon.

To the sides of the head 1 are pivotally se-

cured bearers 8, having a straight lower edge 9, adapted to slide along the surface of the work being operated upon. The pivot of the bearers 8 is at the rearward side of the head 1, as shown at 10, so that the change in the position of the handle 6 can raise and lower the scraper-blade 3. The bearers are provided with notches 11, formed in their upper ends, adapted to engage with the pintles 12, secured to the head 1, and to limit the angular movement of the bearers 8 about their pivots.

The operation of my improved floor-scraper is as follows: The edge 9 of the bearers 8 resting upon the floor, the handle 6 is grasped by one operative and the scraper drawn along the floor. The handles 2 and 7 are grasped by a second operative, one in each hand, who exerts the necessary pressure upon the scraper-blade 3 to cause the scraper to remove the desired shaving. As will be readily seen by reference to Fig. 3, the tilting of the scraper varies the height of the edge of the scraper-blade 3, so that with the scraper in the position shown in Fig. 1 the blade is in contact with and removing a shaving from the work, while with the scraper in the position shown in outline in Fig. 1 the blade is out of contact with the work and in position for a return movement. It will be readily seen that the position of the handles 2 and 7 is such as to enable the operative to assume an easy position and to exert an equal pressure upon the scraper or to readily vary the pressure, as the exigencies of the work may make desirable.

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

In a device of the class described, the combination of a scraper-head, a vertically-adjustable scraper-blade rigidly secured to the scraper-head, a handle secured to the upper end of the scraper-head, a handle rigidly secured to and extending forwardly from the scraper-head and a handle secured to the end of a bar rigidly secured to and extending rearwardly from the scraper-head.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY S. DURKEE.

Witnesses:

E. J. SWEET,
W. A. BURNABY.