

No. 876,885.

PATENTED JAN. 14, 1908.

A. KILBURY.
FLOOR SCRAPER.

APPLICATION FILED MAR. 23, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

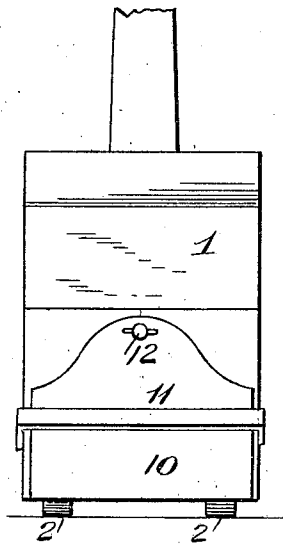
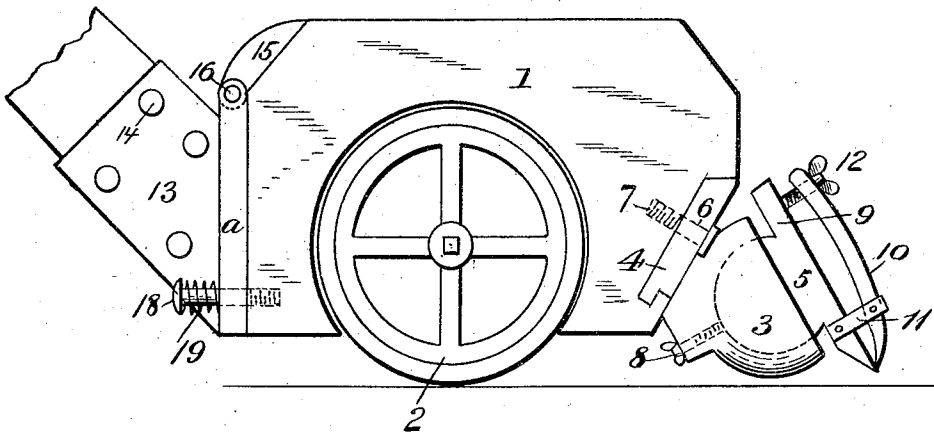


Fig. 2

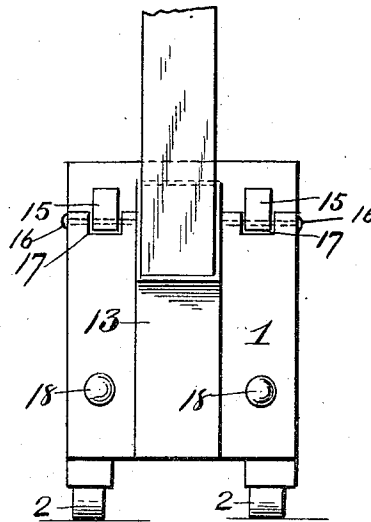


Fig. 3

Inventor:

Arthur Kilbury,

Witnesses:

L. S. Buckner,

J. M. Wicks

By *Sam. Bayne & Co.*

Attorneys

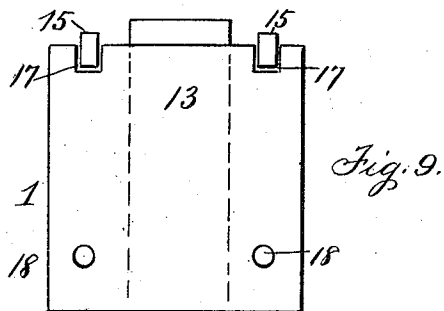
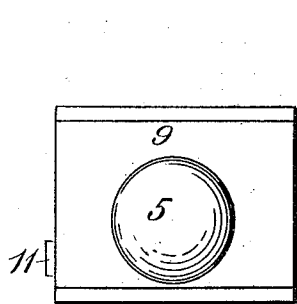
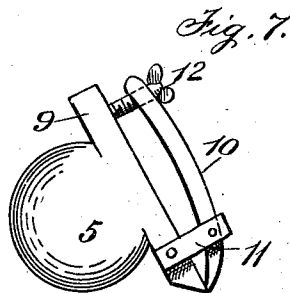
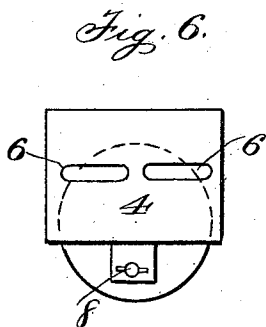
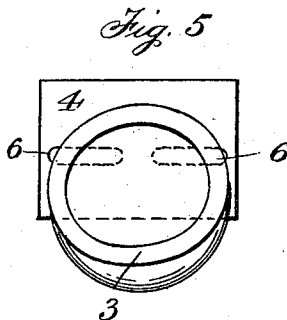
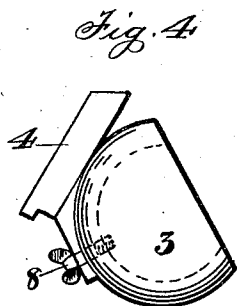
No. 876,885.

PATENTED JAN. 14, 1908.

A. KILBURY.
FLOOR SCRAPER.

APPLICATION FILED MAR. 23, 1907.

2 SHEETS—SHEET 2.



Witnesses:

S. S. Buckner
J. M. Miller

Inventor:
Arthur Kilbury,

By Louis Bayne, Jr.
Attorney.

UNITED STATES PATENT OFFICE.

ARTHUR KILBURY, OF ELKHART, INDIANA.

FLOOR-SCRAPER.

No. 876,885.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed March 23, 1907. Serial No. 364,153.

To all whom it may concern:

Be it known that I, ARTHUR KILBURY, citizen of the United States, residing at Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Floor-Scrapers, of which the following is a specification.

My invention relates to improvements in floor-scrapers. Its objects are to provide for effectiveness in scraping action; to adjust the scraper bit to any required angle in its use; to provide for maintaining the scraper bit uniformly under the weight of its carrying head although the handle through which the scraper is actuated may be somewhat raised or lowered when the operator may be walking backward as in pulling the scraper; and to carry out these objects in a simple, economic and effective manner.

Said invention consists of certain features or instrumentalities substantially as herein-after fully disclosed and specifically pointed out by the claims.

In the accompanying drawing illustrating the preferred embodiment of my invention—Figure 1 is a side elevation thereof. Fig. 2 is a front elevation of the same. Fig. 3 is a rear elevation thereof. Fig. 4 is a detached view of the socket-member of the ball and socket joint connection between the bit and carrying head. Figs. 5 and 6 disclose a front and a rear view of said socket-member, respectively. Fig. 7 is a detached view showing said latter referred to parts assembled, but removed from the carrying head. Fig. 8 is a rear view of the ball-member of the ball and socket joint connection aforesaid. Fig. 9 is a rear view of the handle-receiving casting or socket, devoid, however, of the handle.

In carrying out my invention, I employ a suitable carrying-head 1, of requisite heft or weight for the intended purposes of this type of scraper as will be readily appreciated, and which carrying-head is suitably mounted and borne upon preferably rubber-tire equipped wheels 2.

A socket-member 3 which in practice is made in two parts for obvious reasons has an upward and forward inclined integral plate-formation 4 held, as presently seen, to a corresponding surface of the carrying-head 1, at its lower forward edge. The socket proper of said socket-member is somewhat more than semispherical; and let into, and snugly fitting it is a spherical member or ball 5, accordingly retained therein as against acci-

dental displacement. Said socket-member also has its plate-like portion 4 provided with alining elongated slots 6 receiving the holding screws or bolts 7 entering the carrying-head 1; effective for securing said socket-member thereto and for its lateral adjustment about three-quarters of an inch either way as occasion may require. Said ball-member is held relatively fixed by a set screw 8 in the socket-member and at any angle ranging from forty-five degrees to eighty degrees according to the angle of presentation it may be desired to impart to the scraper-bit as circumstances may call for. The set-screw 8 is inserted from the rear, through the socket-member and engages the ball-member as disclosed. Said ball-member is formed upon its forward portion with an offset flat plate-like portion 9, the same being extended slightly upward and slightly downward and inclined forward and downward. Suitably overlying said plate-like portion 9 is a clamp-plate 10, between which and the former is adapted to be inserted the scraper-bit (not shown) said clamp-plate being held near its lower end by a metal piece or strap 11 riveted to itself and to the part 9, the end-portions thereof being extended down alongside of the latter. Said clamp-plate 10 is equipped with a set-screw 12 for aiding the retention of the scraper-bit in place.

A handle-receiving casting or socket 13, which is suitably equipped, as by the use of bolts 14 for the securing of the handle there-in has integral lateral plate-extensions *a* which are pivotally suspended from studs 15 projecting from the carrying-head 1, at its upper rear edge, a pivot-bolt 16 passing through apertures formed in said studs and in said lateral extensions, the latter also being recessed as at 17 to receive said studs. Said pivoted handle socket-casting has also passed through its lateral extensions near their lower ends, bolts 18 screwed into the carrying-head 1, and upon these bolts are arranged stout springs 19 delivering their pressure or stress upon said handle socket casting, the tendency of which is to return the latter to its initial position thus providing for practically maintaining the scraper uniformly under the weight of the carrying-head although the actuating handle may be slightly raised or lowered when the operator may be walking backward, as in pulling the scraper or using it in treating the floor.

This device it is apparent is simple, readily

operated and effective for its intended use as above explained.

I claim—

A scraper embracing a carrying-head, a
10 scraper-bit carrying means connected to
said carrying-head, and a handle-socket-
casting having lateral extensions with their
upper ends pivotally suspended from offset
studs of said carrying head, said lateral ex-
15 tensions having bolts passing through them,

near their lower ends, and said bolts equipped with springs delivering their pressure or stress upon said handle-socket casting.

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

ARTHUR KILBURY

Witnesses:

PERRY L. TURNER,
MERLE DOTY.