

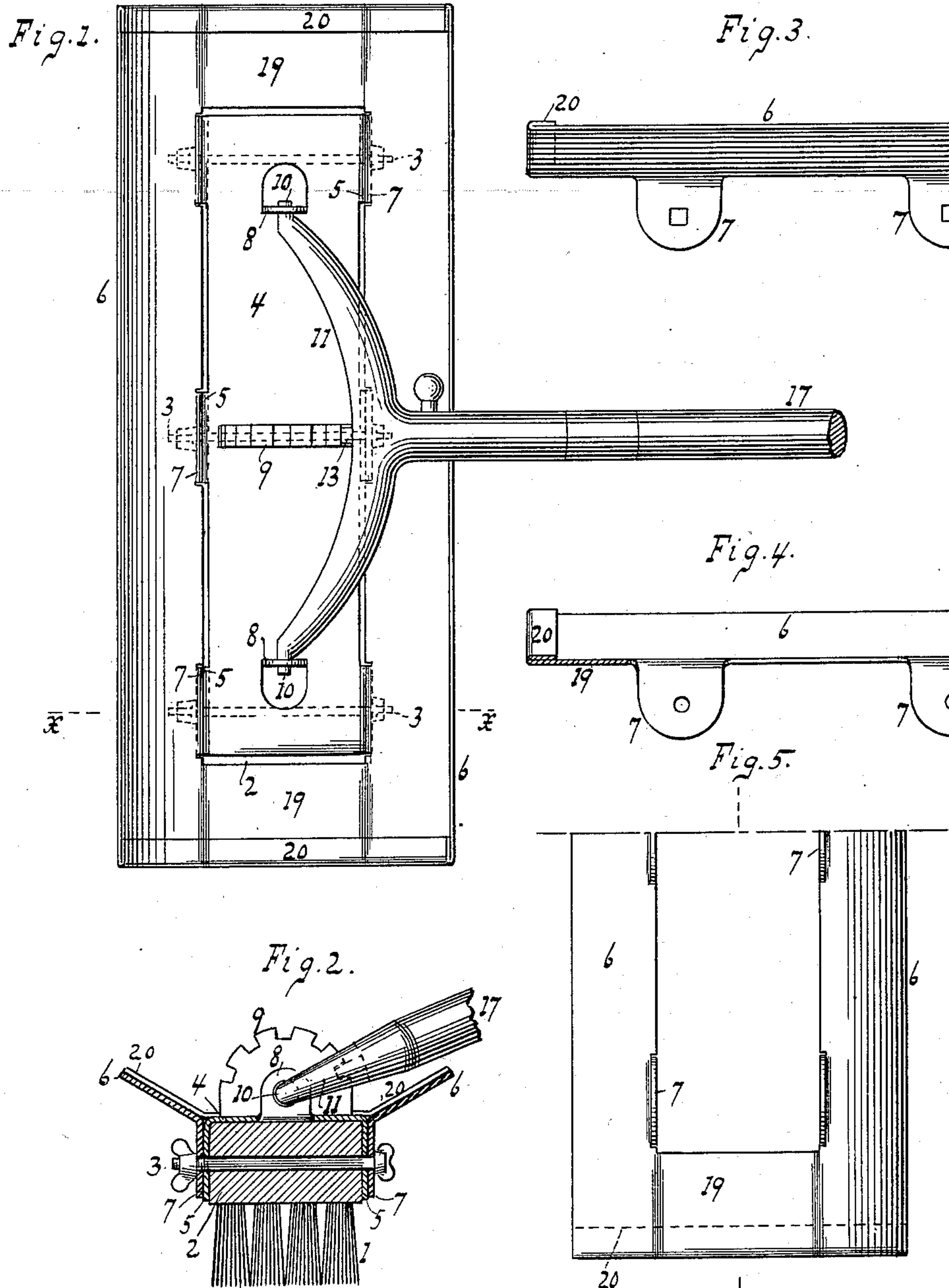
No. 624,310.

Patented May 2, 1899.

J. J. ECK.
BROOM HEAD.

(Application filed Oct. 13, 1898.)

(No Model.)



WITNESSES:

William Miller
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INVENTOR

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UNITED STATES PATENT OFFICE.

JOHN J. ECK, OF NEW YORK, N. Y.

BROOM-HEAD.

SPECIFICATION forming part of Letters Patent No. 624,310, dated May 2, 1899.

Application filed October 13, 1898. Serial No. 693,439. (No model.)

To all whom it may concern:

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

This invention has for its object to provide a new and improved broom-head having a
10 reversible handle and a scraper extended to opposite sides of the head; and to accomplish this object the present invention consists in the features of construction and in the combination or arrangement of parts hereinafter
15 described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a plan view of a broom embodying this invention. Fig. 2 is a sectional view along *x x*, Fig. 1. Fig. 3 is a detail view of
20 the scraper. Fig. 4 is a sectional view of the scraper. Fig. 5 is an inverted plan view of the scraper.

In the drawings is shown a broom with bristles 1 and head 2. The head is shown transversely bored at three points for the reception of bolts 3. A plate 4, sitting on head 2, has
25 oppositely-located pendent flanges 5, adapted to sit against opposite sides of or embrace head 2 and to correspond to the bores of head 2.

A scraper is shown with parts 19 extended across the top of the broom-head and having the portions or blades 6. This scraper is made to rest against the opposite flanges 5 of the broom-head plate, said scraper having oppositely-located flanges 7, made to rest against
35 or correspond with the flanges 5 of the broom-head plate 4. The flanges 5 and 7 being suitably perforated and the bolts 3 being passed through such perforations or flanges and
40 through head 2, the plate and scraper can be firmly secured to the head.

The broom-head plate 4 is formed with upwardly-projecting bearing-lugs 8 and with a toothed segment 9 centrally between said lugs.
45 The pivots 10 on the ends of the handle-bail 11 are mounted in the bearing-lugs 8, and the bail is provided with a bolt 13, which can engage a desired tooth 9 to hold the handle-bail in required position or to enable the handle-
50 bail to be reversed or oppositely inclined. The handle or stick is shown at 17.

The scraper is shown with edges bent or doubled at 20, whereby the scraper is given rigidity and durability. Should the broom

or bristles 1 be worn out, the bolts 3 can be
55 dismantled and, with plate 4 and scraper 19, applied to another broom.

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

1. The combination with a broom-head having transverse bores, of a broom-head plate fitted upon the upper side of the broom-head and formed with pendent flanges which embrace the opposite sides of the broom-head, a scraper
60 affording blades on each side of the head and having integral end portions extended across the top of the broom-head and provided with oppositely-located flanges made to rest against or correspond with the flanges of the broom-head plate, and bolts passed through the
65 broom-head and the flanges of the broom-head plate and scraper substantially as described.

2. The combination with a broom-head having transverse bores, of a broom-head plate
75 having upwardly-projecting bearing-lugs and downwardly-projecting side flanges which embrace the broom-head, an integral scraper-plate resting on the top of the broom-head and having flanges resting against the side
80 flanges of the broom-head plate, said scraper-plate affording blades on each side of the head, tie-bolts passing through the scraper-flanges, broom-head and broom-head-plate flanges, and a handle-bail pivotally mounted on said
85 bearing-lugs substantially as described.

3. The combination with a broom-head having transverse bores, of a broom-head plate fitted upon the upper side of the broom-head and formed with flanges made to embrace opposite sides of the broom-head, a scraper
90 affording blades on each side of the head and having integral end portions extended across the top of the broom-head and flanges made to rest against the opposite flanges of the broom-head plate, and bolts passing through the
95 scraper, the broom-head and the flanges of the broom-head plate, said scraper having its end edges bent or doubled substantially as described.

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

JOHN J. ECK.

Witnesses:

JOHN F. BOUILLON,
E. F. KASTENHUBER.