

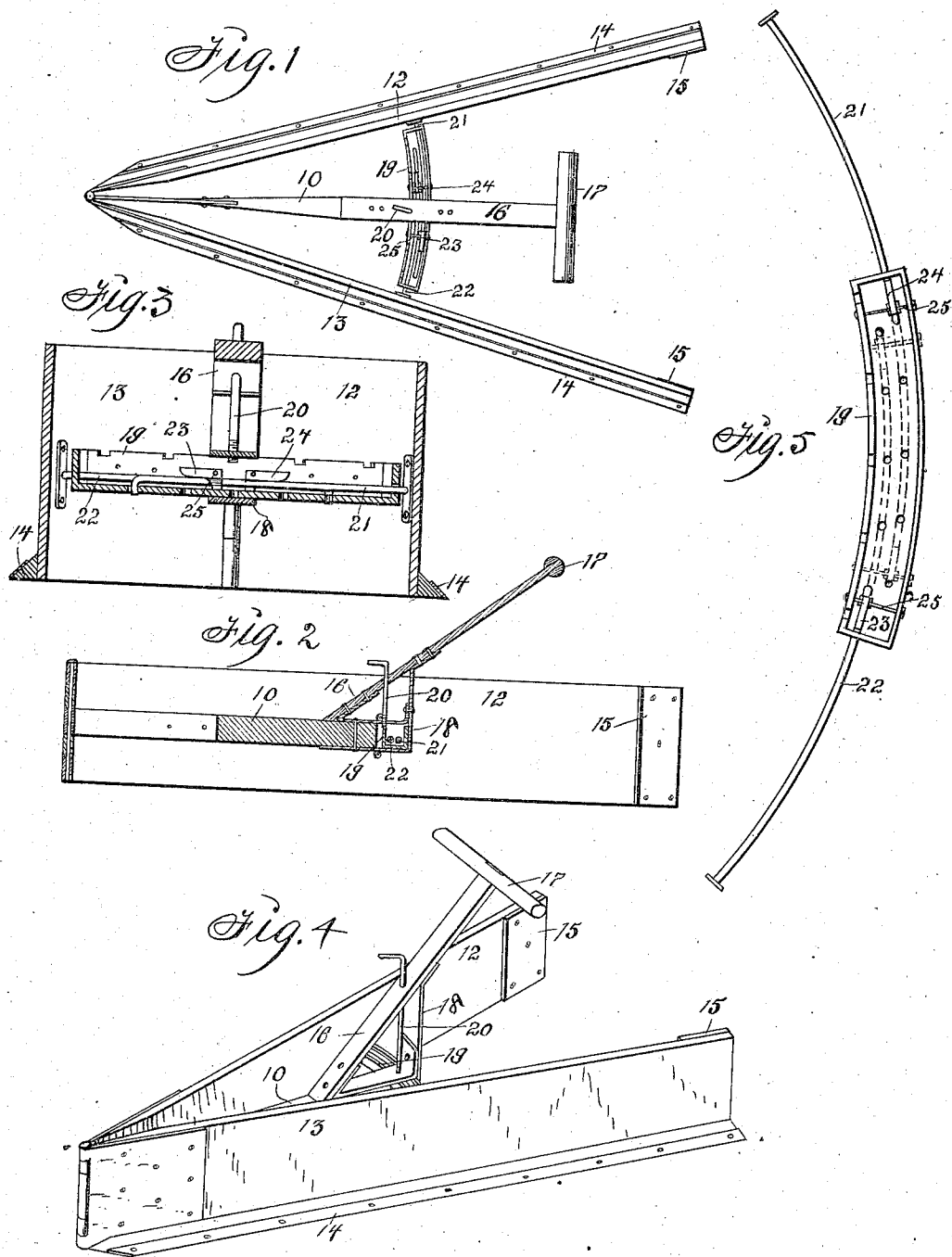
No. 731,419.

PATENTED JUNE 16, 1903.

C. L. WYKOFF.
SNOW PLOW.

APPLICATION FILED JAN. 20, 1903.

NO MODEL.



Witnesses: {
H. F. Feibrock,
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UNITED STATES PATENT OFFICE.

CHARLES L. WYKOFF, OF PERRY, IOWA.

SNOW-PLOW.

SPECIFICATION forming part of Letters Patent No. 731,419, dated June 16, 1903.

Application filed January 20, 1903. Serial No. 139,857. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. WYKOFF, a citizen of the United States, residing at Perry, in the county of Dallas and State of Iowa, have invented a new and useful Machine for Cleaning the Snow from Sidewalks, of which the following is a specification.

My object is to provide an adjustable snow-plow adapted for manual operation for cleaning sidewalks and making paths through snow on the ground by simply pushing the plow in front of the operator by means of a handle.

My invention consists in the construction and combination of parts, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a top view of the plow and shows the positions of the adjustable parts relative to the frame and handle. Fig. 2 is a longitudinal central sectional view that shows the inside face of one of the adjustable wings of the plow. Fig. 3 is a transverse sectional view that shows the mechanism for retaining the adjustable wings in fixed positions relative to each other and the frame and beam to which they are hinged. Fig. 4 is a perspective view of the complete invention in position as required for practical use. Fig. 5 is an enlarged detail view of the mechanism for adjusting the plow for making paths differing in width and directing the movement of snow relative to the line of advance.

The numeral 10 designates a plow-beam, and 12 and 13 are wings in the form of flat boards hinged to the front end of the beam in such a manner that they can be adjusted relative to each other and the beam for regulating the width of the plow and also as required for pushing snow laterally to either one of the sides of the plow and the line of its advance. The outside lower edges of the wings are reinforced by scrapers 14, (preferably made of metal,) fixed thereto, and to the inside faces of their rear ends are fixed pieces of board 15 to strengthen them.

To the beam 10 is fixed a handle 16, provided with a cross-head 17 at its top, and to the handle and beam is fixed a metal frame 18. A locking device that consists of a curved metal rack 19, that has flanges at its sides and the inner flange provided with a plu-

rality of notches, is slidably connected with the frame 18, and a screw 20, extended down through the handle 16, is seated in the horizontal portion of the frame and adapted to enter the notches in the curved flange, as required to lock the slidable rack 19 to the frame 18. Curved rods 21 and 22 are fixed to the wings 12 and 13 and extended through apertures in the ends of rack 19 and provided with hooks on their ends to enter apertures in the bottom of the slidable rack in such a manner that the wings and rods can be moved in and out relative to the beam 10 and slidable rack 19, as required to change the angles of the wings relative to each other and the beam. To retain the rods in fixed positions in the slidable rack, detents 23 and 24, that are bifurcated to stride the rods, are adjustably connected with the rack by means of pins 25 in such a manner that they will prevent the hooks on the ends of the rods from rising out of the apertures in which they are inserted, as required to hold the wings 12 and 13 in fixed positions when the plow is in operation.

Having thus described the purpose of my invention and its construction and operation, the practical operation and utility thereof will be readily understood by persons familiar with the art to which it pertains, and

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

1. In a snow-plow, two wings and a plow-beam jointly hinged together at their front ends, a handle fixed to the beam, a frame fixed to the handle and beam to support a slidable rack, a curved slidable rack and means for locking the rack, arranged and combined to operate in the manner set forth for the purposes stated.

2. In a snow-plow, two wings and a beam jointly hinged together at their front ends, a handle fixed to the beam, a frame fixed to the handle and beam for supporting a slidable rack, a rack in said frame and a screw extended through an aperture in the handle and seated in the frame to engage the slidable rack, arranged and combined to operate in the manner set forth for the purposes stated.

3. In a snow-plow, two wings and a beam jointly hinged together at their front ends, a handle fixed to the beam, a frame fixed to

the handle and beam for supporting a slid-
able rack, a rack in said frame and a screw
extended through an aperture in the handle
and seated in the frame to engage the slid-
5 able rack, curved rods fixed to the said
hinged wings and extended through the ends
of the rack and provided with hooks on their
ends to enter apertures in the rack, arranged
and combined to operate in the manner set
10 forth for the purposes stated.

4. In a snow-plow, two wings and a beam
jointly hinged together at their front ends, a
handle fixed to the beam, a frame fixed to the
handle and beam for supporting a slidable
15 rack, a rack in said frame and a screw ex-
tended through an aperture in the handle and

seated in the frame to engage the slidable
rack, curved rods fixed to the said hinged
wings and extended through the ends of the
rack and provided with hooks on their ends
to enter apertures in the rack and means for
fastening the rods to the rack, arranged and
combined to operate in the manner set forth
for the purposes stated.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

C. L. WYKOFF.

Witnesses:

B. C. RAINSLERD,
L. A. BLEZEK.