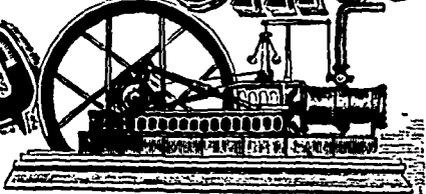


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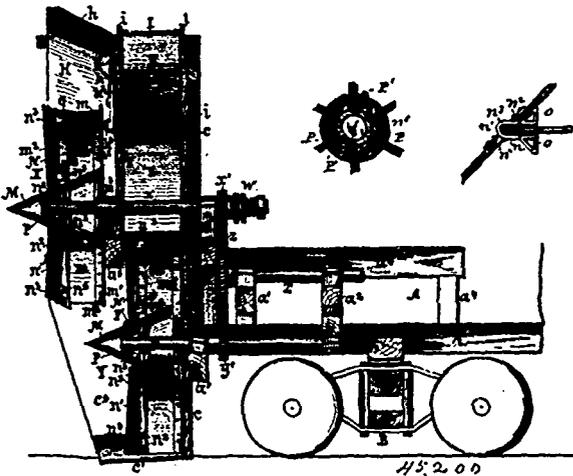
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 15 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 45,200. Snow Plough. (Charrue à neige.)

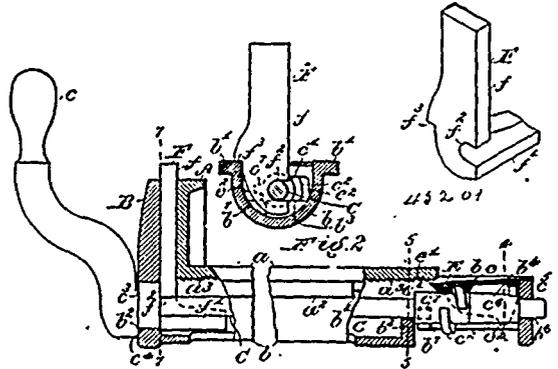


Daniel Jacobs, Dighton, Kansas, U.S.A., 1st February, 1894; 6 years.

Claim.—1st. The combination, substantially as hereinbefore set forth, of the front casing having a partition between its sides, a lower rear fan-wheel carrying knives and arranged below a chute in rear of the partition, an upper front fan-wheel carrying knives and arranged in advance of the partition and between the sides of the casing, and means for revolving both knife carrying fan-wheels. 2nd. The combination, substantially as hereinbefore set forth, of a casing closed at rear and at both sides and bottom and open at front and top, inclined guides F and G for the corners of the casing, a partition extending from one side piece to the other, a knife carrying fan-wheel arranged in front of the partition, and a knife carrying fan-wheel arranged in rear of and below the partition. 3rd. The combination, substantially as hereinbefore set forth, with the lower rear knife carrying fan-wheel, of the deflectors in a chute above the fan-wheel, each consisting of a blade pivoted at the sides of the chute bent at its pivot, extending in opposite directions therefrom and having a rod connecting their upper ends, whereby they may be simultaneously operated. 4th. The combination, substantially as hereinbefore set forth, with a fan-wheel, having radial blades of the

pivoted knives, the brackets on opposite sides of each blade against which the knives rest, and means for adjusting the knives. 5th. A fan-wheel having its blades strengthened with angle iron and tied together by rods as described, in combination with knives pivoted to the front edges of the blades, brackets against which the blades rest, and the shifter mounted on the shaft of the fan-wheel. 6th. The combination, substantially as hereinbefore set forth, of the fan-wheel, the knives, the pivot rods for the knives, means for attaching the knives to the blades, a hub carrying arms between which the lower bent ends of the pivot rods are arranged, and means for adjusting the hub on the shaft.

No. 45,201. Vise. (Etau.)



David C. Sabourin and Joseph Sabourin, both of Lowell, Massachusetts, U.S.A., 1st February, 1894; 6 years.

Claim.—1st. The combination of a fixed jaw, provided with a rack, a movable jaw, a screw, journaled in said movable jaw, a rocking dog, supported directly by said screw and engaged directly by said screw and normally in engagement with said rack, and a lifter, to rock said dog and disengage the same from said rack, as and for the purpose specified. 2nd. The combination of fixed jaw, provided with a rack, a movable jaw, a screw, journaled therein, a dog, engaged directly by said screw and adapted to be rocked in one direction on said screw, by its own weight, into engagement with said rack, and a lifter, to rock said dog in the other direction, out of engagement with said rack, as and for the purpose specified. 3rd. The combination of a fixed jaw, provided with a rack, a movable jaw, a screw, journaled therein, said movable jaw having a slide, provided with a concavity in its upper surface, a dog, arranged in said concavity, and having a notch, engaged by the thread of said screw, and having lateral down-hanging guides, to fill said concavity laterally and prevent the lateral tipping of said dog, said dog being adapted to be rocked in one direction into engagement with said rack, and a lifter, to rock said dog in the other direction, out of such engagement, as and for the purpose specified. 4th. The combination of the jaw, provided with a hole, the slide, secured to said jaw and having an abutment and a rear wall, provided with a hole, and a screw-rod, having its journals in the holes in said jaw and rear wall, and having a boss or enlargement, arranged between said abutment and said rear wall, and extending from said abutment to said rear wall to prevent a longitudinal movement of said screw-rod, as and for the purpose specified. 5th. The combination of a movable jaw, provided with a hole, the slide, having an abutment or upward projection, and a rear wall provided with a hole, a screw-rod, having a hub, arranged to turn in the hole in said jaw and