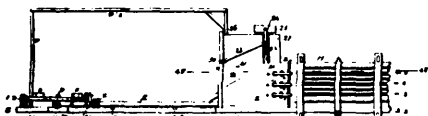
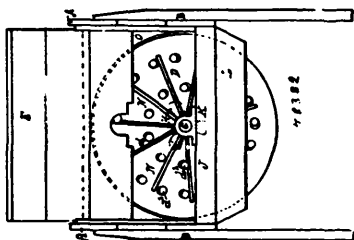


No. 48,381. Hay Press. (Presse à foin.)

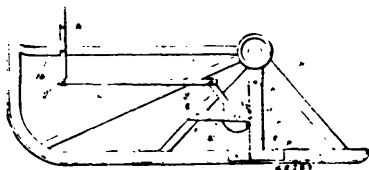
Andrew Barr, Maynooth, and Samuel Harryett, Bancroft, both of Ontario, Canada, 8th March, 1895; 6 years.

Claim.—1st. In a machine of the character described, an eccentric C formed as shown, in combination, with a disc or wheel A', 1, and arms or levers B, B, with an extended frame, or sills S, S, as and for the purpose specified. 2nd. The combination of the plunger E, with the body part H, and die 25, with levers 21, having arms 23 attached and connected by short perpendicular arms 27, to a rod 24, attached to the die 25, playing in a slot S', 4, substantially as and for the purpose specified. 3rd. In a machine of the character described, the combination of a detachable and extended interlocking frame S, S, of power I, and a similar interlocking combination or device on the sills S', 2, of the body H, the combination of the power H, with the plunger E having a roller at its extremity adapted to roll on the eccentric C, with the feed apparatus having a die 25, with the sliding board 36, attached to push rod P', 2, and part P', with the power wheel A', 1 with the body part H, with the dogs 4, formed as described, with their springs 41, and the stop rod H', 4, substantially as and for the purpose specified.

No. 48,382. Root Cutter. (Coupe-racine.)

Oliver E. Thompson, Ypsilanti, Michigan, U.S.A., 8th March, 1895; 6 years.

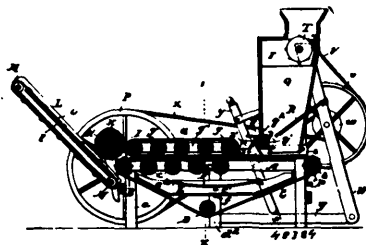
Claim.—1st. In a root cutter, the combination, with the casing A, open at the top and at one end, of a rotary cutter mounted on a rotary shaft journaled in said casing, a pivoted inclined grate arranged in front of said cutter, a rearwardly and downwardly inclined lug f on the bottom of said grate, and a cam H adjustably mounted on said shaft, and rotating against said lug, substantially as and for the purpose described. 2nd. In a root cutter, the combination, with the casing A open at the top and at one end of a rotary cutter D, a fixed inclined imperforate shell G, an inclined grate F arranged in front of said cutter, said grate being pivoted at its lower end to the casing and supported at its lower end to the casing and supported at its upper end in the same plane with the shell G, and a rotary cam disconnected from and intermittently striking against the bottom of said grate, substantially as described. 3rd. In a root cutter, the combination of the casing A, the rotary cutter D, the pivoted inclined grate F provided at one side with a vertical plate M gradually inclined from its top toward the centre of the lower edge of the grate, and a cam for vibrating the said grate and its attached vertical plate, as and for the purpose specified.

No. 48,383. Brake for Sleighs. (Frein de traineau.)

Léon Bellefeuille, Montreal, Quebec, Canada, 8th March, 1895; 6 years.

Claim.—A brake for sleighs consisting in a vertical rack or brake A, secured in a guide B, and operated by a toothed sector E pivoted to the framing of the running gear and having an arm c' to which

is joined the piece G, worked by the ordinary brake lever H, substantially as described and for the purposes set forth.

No. 48,384. Cider Press. (Presse à cidre.)

Emanuel M. Lantz, Helena, Ohio, U.S.A., 8th March, 1895; 6 years.

Claim.—1st. In a cider mill, the combination of the frame, an endless permeable cider apron having an upper horizontal portion, a series of lower pressure rollers mounted within the frame under the upper portion of the cider apron, an upper adjustable frame carrying a series of upper pressure rollers disposed above and slightly in rear of each lower pressure roller, an inclined pomace carrier located at one end of the frame, fastening devices detachably connecting the pomace carrier with the frame, and a cleaning brush disposed over the pomace carrier at one end of the main frame, substantially as set forth. 2nd. In a cider mill, the frame, apron rollers journaled at each end of said frame and having sprockets at their ends, opposite endless apron chains passing over the sprockets of said apron rollers, an endless cider apron attached to said apron chains, a series of lower pressure rollers mounted in the frame under the upper portion of the cider apron intermediately of the end apron rollers and each of which is provided with end sprockets engaged by said apron chains, a combined guide and tightener roller suitably journaled below the centre of said frame and receiving the lower portion of the cider apron which passes there-under, a cider tank arranged inside of the space between both portions of the cider apron, and the revolving feeder having end sprocket-wheels engaging the opposite apron chains, substantially as set forth. 3rd. In a cider mill, the main frame, an endless cider apron mounted in said frame, opposite depending bearing-legs having bearing-boxes at their lower ends, and one of which is hinged at its upper end to the main frame and capable of being swung outward, a roller journaled at its ends in the bearing-boxes on said legs and receiving the lower portion of the cider apron which is depressed thereby, a removable cider tank or pan arranged within the frame under the upper portion of the cider apron, supporting pins secured to each of the bearing-legs and adapted to engage beneath the cider tank or pan, and the feeding and pressing devices, substantially as set forth. 4th. In a cider mill, the combination with the main frame, the cider apron having a lower centrally depressed portion, and the feeding and pressing devices, of opposite intermediate frame legs one of which is hinged at its upper end to the main frame, a removable cider tank arranged in the space between the upper and lower portions of the cider apron and having inclined ends and a strainer in the open top portion thereof, and supporting pins secured to the inside of said frame legs and adapted to engage beneath the cider tank to removably hold the same in position, substantially as set forth. 5th. In a cider mill, the main frame, the lower cider apron mounted in said frame, a vertically-adjustable pressure frame arranged above the top of the cider apron and having opposite frame-bars provided with slotted tongues at one end, a series of upper pressure rollers, and a pressure apron supported by said frame-bars, suitably supported retaining pins arranged on the frame and engaging the slotted tongues of the frame-bars, opposite supporting struts connected to the inner ends of said frame bars, feeding devices arranged over the cider apron near one end of the pressure frame, and a pomace carrier removably attached to one end of the main frame beyond both aprons, substantially as set forth. 6th. In a cider mill, the combination with the main frame having open bearing notches at one end, and the feeding and pressing devices, of an inclined pomace carrier having the extremities of the inner one of its belt rollers loosely turning in said open bearing notches at one end of the frame, and a hook and eye connection between the pomace carrier and main frame to provide for the convenient attachment and detachment of the pomace carrier, substantially as set forth. 7th. In a cider mill, the main frame having bearing notches at one end thereof, the milling and pressing devices mounted on said frame and inclined carrier frame carrying belt rollers, one of which projects beyond the sides of the frame and removably fits in said bearing notches, the slatted carrier or belt moving through said frame, and a detachable connection between the carrier frame and the main frame, substantially as set forth. 8th. In a cider mill, the combination with an approximately horizontal cider apron, the lower pressure rollers arranged under the top portion of said apron, and the pressing devices arranged over said cider apron, of a feed