an adjustable stop to limit and vary the movement of the sliding frame, as set firth 7th. In an apparatus for preserving eggs, the combination of an open main frame A, having a series of tracks or ways A<sub>2</sub>, a series of sliding frames B mounted on and suspended between the tracks of the main frame and having limiting shoulders d<sub>1</sub>, a series of grooved rollers C independently-journalled in the frames B, and having bearing, wheels C1 at their ends, bearing on the tracks or ways to support the frames B, and revolve the rollers, stop blocks E having holes e, and stop-pins D, removably secured in the holes e and adapted to alternately strike the shoulders d<sup>1</sup> to limit the movement of the frames B, substantially as described. ment of the frames B, substantially as described.

### No. 23,533. Weigh Bridge. (Balance-Bascule.)

Joseph Rear, Mount Albert, Ont., 5th March, 1886; 5 years.

Joseph Rear, Alount Albort, Unt., 5th March, 1885; 5 years.

Claim—1st. In a portable weigh bridge, a series of lovers pivoted, as shown, to standards having concaved tops and protecting cars or flanges, as shown and for the purpose specified. 2nd. In a portable weigh bridge, the combination of the centre lover pivoted, as shown with the adjusting nut and beam of the scale, as shown, and for the purpose specified. 3rd In a portable weigh bridge, the combination, with the frame A. B. of the levers D and G, standards c, pivots F, and scale-beam H, all adjusted as shown and for the purpose specified.

4th In a portable weigh bridge, the hinged rod L, arranged and operating as shown, in combination with the scale-beam H, and lever G, as and for the purpose specified.

# No. 23,534. Water Motor. (Moteur à Eau.)

John Hughes. Toronto, Ont., 5th March, 1886; 5 years.

John Hughes. Foronto, Ont., 5th March, 1886; 5 years.
Claim.—1st. The ports C and D, arranged to connect the cylinder and valve-chest as specified, in combination with the check-valves N, arranged substantially as and for the purpose specified. 2nd A water more in which the eviluder and valve-chest are connected together by the ports C, D, the chambers L communicating one with each port C, D, in combination with the check-valves N, arranged substantially as and for the purpose specified. 3rd. A water motor provided with ports C, D, the chambers L communicating one with each port C, D, and communicating with the valve-chest F, through holes M, in combination with the check valve N, substantially as and for the purpose specified. and for the purpose specified.

# No. 23,535. Railway Tie.

(Traverse de Chemin de Fer.)

Eben N. Higley, Somersworth, N.H., U.S., 5th March, 1886; 5 years. Claim.—1st. In a railway-tie, substantially such as described, the slot N having the enlarged section r, and the smaller section s, tho smaller section standing at an angle to the larger section, substantially as and for the purpose set forth? 2nd. The bed-plate or chair K, provided with the slots t, in combination with the tie A, substantially as described. 3rd As a new article of manufacture, the railway chair or bed-plate K, provided with the slots t, and side slots a, substantially as set: rith. 4th. In a railway-tie, the bed-plate K, provided with the slots t, and the side slots a, in combination with the slots t, and the side slots a in combination with the slots t, and the side slots a in combination with the slots t, and the side slots a, in combination with the slots t, and the side slots a, in a callway-tie, the bed-plate K provided with the slots t, and the side slots a, in combination with the ine A provided with the slots N, having the sections r, i, the bolts H having the slots of the inclinance of the sections r, i, the bolts H having the shoulders b, the bits H having the shoulders b, the bits H having the shoulders b, the interpreted railway-tie herein described, the same consisting of the sections B. C, provided with the flarges m, f, d, having the aperture z, and slots N having the sections r, i, substantially as described. 7th. The improved railway-tie herein described, the same consisting of the sections B, C, provided with the longitudinal flanges m, d, and the transverse flanges f, said flange m being provided with the aperture z, and the slots N, having the sections r, i, and having the sections B. C, provided with the longitudinal flanges m, d, and the transverse flanges f, said flange m being provided with the aperture z, and the slots N, having the sections r, i at an angle to each other, substantially as set forth 9th As a new article of manufacture, a sheet metal railway-tie herein described the sections r, i at an a Eben N. Higley, Somersworth, N.H., U.S., 5th March, 1886; 5 years.

# No. 23,536 Apparatus for Extracting Particles of Steel or Iron. (Appareil pour Extraire des Parcelles d'Acier ou de Fer.

Frank E Fisher, Detroit, Mich., U.S., 5th March. 1886; 5 years.

Frank E Fisher, Detroit, Mich., U.S., 5th March. 1886; 5 years.

Claim—1st The combination of a magnetic cylinder composed of magnetic extending longitudinally the full length of the cylinder, a dynamo for producing a current through the helices of the magnets, substantially as described, for successively breaking the circuit of the magnets, with a hopper located above and extending partially around the revolving magnetic cylinder, as and for the purposes described 2nd. The combination of a magnetic eylinder composed of magnetic extending longitudinally the full length of the cylinder, and arranged parallel to and annulurly around, the shaft of the cylinder, a dynamo for producing a current through the helices of the magnets, and means, substantially as described, for successively breaking the circuit of the magnets, with a bopper located above and extending partially around the revolving magnetic cylinder, as and for the purposes described. 3rd, The combination of the hoppe A, the shout A2, and the chute A1, with the magnetic cylinder located between the hopper and chute, and partially surrounded by the hopper, and composed of magnets extending longitudinally the length of the cylinder, a dynamo for producing a current through the helices of the magnets, and means, substantially as described, for successively breasing the circuit of the magnets as they pass over the chute, as and for the purpose described. 4th. The combination of a magnetic

cylinder comprising electro magnets composed of the loops b. poles bi, and insulators or diamagnetic motal b5, with the arms wound from end to end, a dynamo for producing a current through the helices of the magnets, a hopper located above and partially surrounding the cylinder, a spout and a chute below the cylinder, and means, substantially as described, for successively breaking the circuit of the magnets as they pass over the chute, as and for the purpose described. 5th. The combination of a magnetic cylinder, comprising electro magnets extending the full length of the cylinder, and composed of loops b, poles b1, and insulator or diamagnetic metal b5, a dynamo for producing a current through the helices of the magnets, and means, substantially as described, for intermittently breaking the circuit of the magnets, substantially as described.

#### No. 23,537. Calendar and Blotting Pad. (Calendrier-Buvard.)

Hazen Morso, Buffalo, N.Y., U.S., 5th March, 1836; 5 years.

Claim.—The combination of the calendar, of which A A is a slot, or piece partly cut out, so as to permit the sight of the disc B B eyeletted to top sheet E E, and rearrive dendar below, with the sheets of blotting paper fastened together, making a "Combination Calendar and Blotting Pad," substantially as and for the purpose hereinbefore

### No. 23.538. Refrigerator. (Garde-Manger.)

Joseph Lalondo, Winnipeg. Man., 5th March, 1836; 5 years.

Claim.—The combination of the cases having single or double panels forming the space C, the cold air tube F, the shelf E having the perforation O and the outlet pipe G, substantially as and for the purpose hereinbefore set forth.

### No. 23,539. Flour Bolt. (Bluteau.)

George T. Smith, Jackson, Mich., U.S., 5th March, 1885: 5 years.

George T. Smith, Jackson, Mich., U.S., 5th March, 1835: 5 years.

Claim.—1st. In a flour bolt, the combination of the beater shaft, a bearing for the outer end of the beater shaft, the riving gears connecting the beater shaft with the trunnion arranged between the beater shaft bearing and the roel head, and a casing surrounding the senter shaft bearing and the roel head, and a casing surrounding the beater shaft, a bearing for the outer end of the beater shaft, the reel head provided with a trunnion surrounding the beater shaft, a bearing for the outer end of the beater shaft, the reel head provided with a trunnion surrounding the beater shaft, as a sent shaft bearing and the reel head, and the casing below the gearing, adapted to receive the oil dropping arranged between the beater shaft of monitoring with the state shaft, and prevent shaft oil in ministry with the real beat provided with a trunnion surrounding the beater shaft, sparing connecting the beater shaft with the reel head provided with a trunnion surrounding the beater shaft, so which one part is attached to the casing, and the other part is attached to, and croolves with, the reel head, substantially as set forth. 4th. In a flour bolt, the combination of the beater shaft, sparing and made in two parts, of which one part is attached with a trunnion surrounding the pearing and made in two parts, of which one part is attached to the casing, and the other part is attached to and revolves with the reel head, substantially as set forth. 4th. In a flour bolt, the combination of the beater shaft, gearing connecting the beater shaft and the reel head, no part is attached to the casing, and the other part is of less dameter and attached to and revolves with the reel head, substantially as attached to and revolves with the reel head, substantially as attached to and exceed the part of the state of the stat Claim.—1st. In a flour bolt, the combination of the beater shaft, bearing for the outer end of the beater shaft, the real head pro-