

the said lever, intermediate mechanism for connecting the said catch with the said governor, and a stationary belt secured at top and bottom of the elevator shaft and passing over the governor pulley, substantially as shown and described. 4th. In an elevator brake, the combination, with brake shoes, arranged on the elevator carriage and adapted to engage the guide posts, of eccentrics adapted to move the said brake shoes in frictional contact with the guide posts, a shaft carrying the said eccentrics, and provided with a gear wheel, a weighted lever fulcrumed on the elevator carriage, and provided with a segmental gear wheel in mesh with the said gear wheel, and a rope connected with the said weighted lever and extending into the elevator carriage to be under the control of the operator, substantially as shown and described. 5th. In an elevator brake, the combination, with a weighted lever, eccentrics actuated by the said weighted lever, and brake shoes adapted to be actuated by the said eccentrics, of a catch adapted to support the free end of the said lever, a bell crank lever pivotally-connected with the said catch, and a rod or rope connected with the said bell crank lever, and extending into the elevator carriage to be under the control of the operator, substantially as shown and described. 6th. In an elevator brake, the combination, with a governor adapted to actuate the brake shoes of a stationary belt secured at its ends on the top and bottom of the elevator shaft, and pulleys journaled on the elevator carriage and over and under which passes the said belt to pass around the governor pulley, substantially as shown and described.

### No. 37,329. Combination Tool.

(Outil à combinaison.)

Edmund B. Nagle, Almonte, Ontario, Canada, 5th September, 1891; 5 years.

*Claim.*—1st. The herein described combination tool, the same consisting of a head having a claw termination at its forward end, with a lateral projection to give weight to the head, and a wedge-shaped tongue, the head prolonged to present a slotted hole or mortise into which the lever B. may be pivotally articulated and further prolonged into a handle (the claw hammer-face and wedge being integral and the lever pivoted to the bearing lugs), all substantially as set forth. 2nd. In combination, with the body A, having a slotted way or mortise and bearing-lugs for the pivot c, moving upon which and within the mortise plays, the lever B, prolonged into a handle d, upon whose forward end is mounted the pin or jaw f, arranged to engage with the pin or jaw e, of the lever B, substantially as described. 3rd. In a combination-tool made up of two integral pieces A, B, the hammer face formed of the lower face, of the wedge-shaped tongue h, and its complementary protuberance g, the claw b, axially in line with the hammer face, the attachable pins or jaws e, f, arranged by means of the pivot c, to operate functionally as set forth.

### No. 37,330. Grate for Open Fire Places.

(Grille pour foyers ouverts.)

Nicholas Wilson, London, Ontario, Canada, 5th September, 1891; 5 years.

*Claim.*—1st. A movable grate-bottom for an open fire-place, constructed with a central axis E, the rear end of which is received in socket F, at back, and the front end of which lies in guide, or long socket G, on front bottom bar, motion to the grate-bottom being imparted by the handle H, attached to front end of axis E, said motion being controlled by broad flat end a, of axis in guide G, as described, so that the bottom is made to move sideways as a shaker or circularly as a dumper, substantially as shown and described. 2nd. In combination with a shield L, attached to front of fire-place and having a suitable opening M, to allow of the insertion of shaker and dumper handle H, the above described movable grate-bottom, substantially as shown and described.

### No. 37,331. Pipe Coupling for Railway Cars.

(Joint de tuyau pour les chars de chemins de fer.)

Edward Ethel Gold, New York, State of New York, U.S.A., 5th September, 1891; 5 years.

*Claim.*—1st. In a hose-coupling of the described class, the combination, with the coupling-head and arm, of a rocking lever carried by the arm, and adapted to bear on opposite sides of its fulcrum against the wedging inclines on the other head, whereby by its rocking movement it may adjust itself to said inclines and equalize the pressure against each. 2nd. In a hose-coupling of the described class, the combination, with the coupling head and arm, of a rocking lever carried by the arm, and adapted to bear on opposite sides of its fulcrum against the wedging inclines on the other head, and an adjusting screw for setting said lever toward or from the other head whereby it may be adjusted and its wear taken up. 3rd. In a hose-coupling of the described class, the combination, with the coupling head and arm, of a rocking-lever carried by the arm and adapted to bear on opposite sides of its fulcrum against the wedging inclines on the other head, an adjusting-screw against which said lever rocks at its fulcrum, and a pin passing loosely through a hole in the lever to retain it in place and admit of its adjustment. 4th. In a hose-coupling of the described class, the combination, with the coupling head and arm, the latter formed with an elongated cavity in its inner side, of a lever pivoted in said cavity and projecting therefrom on opposite sides of its fulcrum to form bearing-faces for engaging the wedging inclines on the other head. 5th. In a hose-coupling of the described class, the combination, with the coupling-head and arm, of a rocking lever carried by the arm formed with bearing-faces on opposite sides of its fulcrum adapted to bear against the wedging inclines on the other head, and formed between said bearing faces with a pintle projection adapted to enter the central socket in the other head.

### No. 37,332. Mechanism for Striking Strings by Means of Reeds Moved by Air. (Appareil pour frapper des cordes musicales au moyen de tuyaux mû par l'air.)

Julius Heinrich Zimmerman, Leipzig, Saxony, (assignee of Carl Gumbel, Krodorf, Prussia), both in the German Empire, 5th September, 1891; 5 years.

*Claim.*—1st. The device for sounding strings consisting of a tube open at one end and closed at the other, and provided with a longitudinal slot closed by an elastic tongue held at one end of said slot and adapted to vibrate therein, substantially as set forth. 2nd. The combination of a tube R, having one end open and the other closed, and having a longitudinal slot a, an elastic tongue Z, secured to said tube at one end of said slot, and so as to be capable of vibrating in said slot, substantially as set forth. 3rd. The combination of a tube R, having one end open and the other closed and having a longitudinal slot a, an elastic tongue Z, secured to said tube at one end of said slot, and adapted to vibrate therein and the string S, placed transversely to said tube opposite the free end of said tongue, and at such a distance from it as to be struck by the latter when vibrating, substantially as set forth. 4th. The combination of a tube R, having one end open and the other closed, and having a longitudinal slot a, an elastic tongue Z, secured to said tube at one end of said slot and adapted to vibrate therein, a string S, placed transversely to said tube opposite the free end of said tongue, and at such a distance from it as to be struck by the latter when vibrating, and an airblast entering said tube by the slot a, and passing out at the open end, substantially as set forth. 5th. The combination of a tube R, having one end open and the other closed and having a longitudinal slot a, an elastic tongue Z, secured to said tube at one end of said slot, and adapted to vibrate therein and an air box W, surrounding said tube R, and having the open end of the latter secured in a suitable opening, and having an air inlet c, and openings for the string S, passing transversely through the same, substantially as set forth.

### No. 37,333. Brazing Clamp for Band Saws.

(Mordache pour braser les scies à ruban.)

Milo Covel, Chicago, Illinois, U.S.A., 7th September, 1891; 5 years.

*Claim.*—1st. In a device of the character described, the combination with the bed-frame, of the adjustable brazing-clamp pivoted to said frame, and the adjustable holding-clamps secured to the bed frame in a like manner and located on each side of the brazing-clamp, substantially as and for the purpose set forth. 2nd. In a brazing or soldering-device, the combination with the bed-frame of the lower clamping-block inserted therein, the screw-bolts, for adjusting said block, the upper companion clamping-block, the transverse bar, to which said upper block is adjustably secured, the clamping-screws, inserted through said bar, and the locking-hooks, pivoted to the front end of said bar, substantially as set forth. 3rd. In a brazing-clamp, the combination with the adjustable companion clamping-blocks, provided in their adjacent faces with recesses having sloping sides, of the brazing or soldering-irons, seating in said recesses, substantially as and for the purpose set forth. 4th. In a brazing-clamp, the brazing or soldering-irons of a hexagonal form in cross-section, in combination with the companion clamping-blocks, having correspondingly shaped recesses, substantially as set forth. 5th. In a brazing-device, the combination with the upper and lower clamping-blocks, formed in sections, of the spring plates, loosely holding said blocks in position, with reference to each other, substantially as set forth. 6th. In a brazing-device, a holding-clamp, consisting of the parallel side-bars, the lug, bolted to the bed-frame and to which the rear ends of said side bars are pivoted, the hook pivoted to the front end of said bars, the adjustable clamping-block inserted between the parallel bars, and the cam-lever, pivoted to said bars and having contact with said block, whereby an object may be held in place while being operated upon by the brazing-clamp, substantially as and for the purpose set forth. 7th. In a brazing-device, the combination with the bed-frame, of the gage-plates k, adjustably secured thereto, substantially as set forth.

### No. 37,334. Gate. (Barrière.)

Robert Sidney Taylor, Zellwood, Florida, U.S.A., 7th September, 1891; 5 years.

*Claim.*—1st. In a gate-operating device, the lower hinge having its eye engaging a pintle formed on a crank-piece or angle iron pivotally secured to the bed piece or sill, the washer placed beneath said crank-piece or angle-iron and the gravity-catch engaging or impinging against said washer, substantially as described. 2nd. In a gate operating device, the combination, with a trip or lever, of the crank-piece or angle iron provided with a pintle which engages the eye of the lower gate hinge, the bracket or washer and the gravity catch engaging or impinging against the said bracket or washer, substantially as described.

### No. 37,335. Foot Rest. (Appui-pied.)

Kenneth McLean, Port Hastings, Nova Scotia, Canada, 7th September, 1891; 5 years.

*Claim.*—As an article of furniture, a foot rest composed of the posts A, A, provided with foot bearings G, and connected by an open circular panel B, having a final H, provided with a foot bearing I, a horizontal bar C, crossing the panel feet D, projecting from said panel or bar, and brace B, from post to post and braces F, from the feet to bar C, as set forth.