

field thereof, and in graduated proximity to the poles of said magnet, and of a metallic frame supporting said magnet, and series of poles in fixed relation to each other, substantially as described. 2nd. In a therapeutical magnet, the combination, with a magnet, of a series of metallic contacts or poles located in different parts of the magnetic field thereof, a hollow metallic casing inclosing and supporting the magnet, and a series of metallic rods secured thereto at right angles to the axis of the magnet and carrying the series of metallic poles, substantially as described. 3rd. In a therapeutical magnet, the combination of the magnet, the enclosing metallic globe A, the screw plugs C and D supporting the magnet, the tubular rods E, E¹, secured to the screw plugs, the intermediate tubular rods E¹, E², etc., secured to the globe A, the cross-bar G, the metallic contacts of poles K secured to the free ends of the tubular rods, and the iron cores secured in the tubular rods, all arranged substantially as described. 4th. The magnet B enclosed in a metallic frame, adapted to be used as an electrode in producing galvanic currents, substantially as and for the purpose described.

No. 33,850. Clock Movement and the like.

(*Mouvement d'horlogerie et autre.*)

Henry S. Prentiss, Elizabeth, N.J., U.S., 3rd March, 1890; 5 years.

Claim.—1st. In a clock movement, an equalizing spring for the governing member, and a main spring for actuating the train normally held out of action and released at determinate intervals to rewind the equalizing spring and to actuate the movement, substantially as described. 2nd. In a clock movement, a main spring for actuating the train normally held out of action, an equalizing spring for the governing member adapted to be coiled by said main spring, and a device actuated by the uncoiling of the equalizing spring to release the main spring, said main spring on its release recoiling the equalizing spring and actuating the train, substantially as described. 3rd. In a clock movement, a stop for holding the main spring out of action, an equalizing spring for the governing member incorporated in said movement, and a device for releasing the main spring to coil the equalizing spring and to actuate the train, substantially as described. 4th. In a clock movement, a timing device, an equalizing spring for the timing device controlled thereby, a main spring for recoiling the equalizing spring at determinate intervals and for actuating the train during such periods of recoiling, a stop for the main spring, and a device actuated through the uncoiling of the equalizing spring to release the main spring from the action of the stop, substantially as described. 5th. In a clock movement, a main spring for actuating the train normally held out of action, an equalizing spring for the governing member adapted to be coiled by said main spring through the intermediate train, and a device actuated by the uncoiling of the equalizing spring to release the main spring, said main spring, when released, recoiling the equalizing spring and actuating the movement during such period of recoiling, substantially as described. 6th. In a clock movement, an equalizing mechanism incorporated in the train or hand actuating mechanism and controlling the main spring, said main spring recoiling the spring of the equalizing mechanism and actuating the said train during the period of recoiling said spring, substantially as described. 7th. The combination, of a main spring, an equalizing spring, a winding arm arranged to be actuated through an intermediate train by the main spring to coil the equalizing spring, and suitable stopping and starting devices, substantially as described. 8th. The combination of a main spring, an equalizing spring, a winding arm arranged to be actuated through an intermediate train by the main spring, an escapement for controlling the uncoiling of the equalizing spring, and suitable stopping and releasing devices, substantially as described. 9th. The combination of a main spring, a revoluble shaft, a train of gear wheels between the shaft and the main spring, all constituting a motor, a winding device carried by one of the gear wheels of the train, an equalizing spring having one end attached to the shaft and the other to the winding device, a regulator or governing member, a stop for holding the main spring out of action, and a releasing device actuated at determinate intervals, substantially as described. 10th. In a mechanical motor, the combination of the main spring, a main shaft, a winding arm, a spring having its inner end attached to the main shaft and its outer end to the winding arm, a tripping mechanism actuated by the main shaft, and a gear connection between the main spring and the winding arm, substantially as described. 11th. The combination, with the main spring and the main shaft, of a winding arm having two stops, a spring attached to the main shaft and to the winding arm, a stop for successively engaging the stops on the winding arm, a cam or eccentric on the main shaft for actuating the latter stop, and a connection between the main spring and the winding arm for actuating the latter when released from the stop, substantially as described. 12th. An equalizing mechanism for spring motors, consisting of a revoluble shaft, a winding arm arranged to turn about a centre in line with the shaft and provided with two stops, an equalizing spring having one end attached to the revoluble shaft and one to the winding arm, an arm provided with a stop adapted to engage with the stops of the winding arm, a cam on the revoluble shaft, and an arm engaged by the said cam and connected with the stop bearing arm, substantially as described. 13th. In a mechanical motor, the combination of a main spring, a winding arbor, and gears connecting the winding arbor with the spring gear, said gears forming a part of the train of the motor, substantially as described. 14th. In a mechanical motor, the combination of two or more main springs, a common winding arbor, gears connecting the winding arbor to the spring gears, and a train of gears connecting the winding arbor to the centre arbor, said gears forming a part of the train of the motor, substantially as described. 15th. In an equalizing mechanism for spring motors, a revoluble shaft, an escapement wheel mounted on said shaft, a winding device, a spring having one end attached to the shaft and the other to the winding device, and a gear connected with the motor and actuating the winding device, all said parts being arranged about one and the same centre line or axis, substantially as described. 16th. The combination, with the frame A, of a post secured in said frame, a shaft E arranged in line with the post and having a bearing therein,

a winding device F mounted on the post, a spring H connected with the shaft and the winding device, a stop and a cam I engaging said stop, substantially as described.

No. 33,851. Drinking Fountain. (*Fontaine.*)

James W. Black, Toronto, Ont., 3rd March, 1890; 5 years.

Claim.—1st. A fountain, having one or more apartments so arranged to permit the ready removal or placing the cylinder containing the hot or cold drinks, and having a set of drawers fitted with suitable crocks, one drawer containing a set of crocks fitted with suitable taps and filled with cold or summer drinks, and the other drawer fitted with suitable crocks, provided with spoons or ladles, and filled with extracts for winter or hot drinks, substantially as and for the purpose set forth. 2nd. In a fountain, having one or more apartments, the combination of the hot drink cylinder C, heater G, cold drink cylinder C¹, tap c, plunger d, plunger rod e, treadle H and connecting rod f, substantially as and for the purpose set forth. 3rd. In a fountain, having one or more apartments, the combination of the hot drink cylinder C, heater G, cold drink cylinder C¹, tap c, plunger d, plunger rod e, treadle H, connecting rod f, substantially as and for the purpose set forth. 4th. In a fountain, having one or more apartments, the combination of the hot drink cylinder C, heater G, cold drink cylinder C¹, tap c, plunger d, plunger rod e, treadle H, connecting rod f, valve g, spring i, substantially as and for the purpose set forth. 5th. In a fountain, having one or more apartments, the combination of the hot drink cylinder C, heater G, cold drink cylinder C¹, tap c, syrup drawer D, provided with crocks fitted with suitable taps, and the extract drawer E provided with crocks fitted with spoons or ladles, substantially as and for the purpose set forth.

No. 33,852. School Slate, Drawing Board and the like. (*Ardoise d'école, de dessin et autre.*)

George C. Graham, Montreal, Que., 4th March, 1890; 5 years.

Claim.—1st. The combination, with a school slate, drawing board, or the like, of a pocket formed in the frame of same, for the reception of a pencil, etc., and a slide or cover, for holding such pencil in place and adapted for use as a ruler, as described. 2nd. The combination of a frame A having a recess or vacancy D, with dovetailed edges and depression or pocket D, or slide B suitably graduated to form a rule, and catch C, as shown and described.

No. 33,853. Vent. (*Event.*)

William B. Malcolm and Benjamin Kirk, Toronto, Ont., 4th March 1890; 5 years.

Claim.—1st. A vent consisting of a suitable chamber A, provided with an inlet pipe B, an outlet pipe G, and a ball E suspended in the said chamber A, substantially as and for the purpose set forth. 2nd. A vent consisting of a suitable chamber A provided with an inlet pipe B, fitted with a flange D, an outlet pipe C, and a ball E, suspended in the said chamber A, substantially as and for the purpose set forth.

33,854. Pile Covering. (*Couverture de pieu.*)

Henry Anderson, San Francisco, Cal., U.S., 4th March, 1890; 5 years.

Claim.—1st. A pile covering consisting of the semi-cylindrical plates having longitudinal meeting flanges on opposite sides, slots made through said flanges, and bolts fitting said slots, and holes made through the shanks of said bolts, with rods passing through said holes parallel with the flanges, whereby they are locked together, substantially as herein described. 2nd. A pile covering consisting of the semi-cylindrical plates, with flanges, perforated bolts and locking rods, in combination with bands or straps inclosing the meeting or abutting ends of the covering sections, these straps having outwardly turned, perforated flanges and bolts, whereby said flanges are secured in conjunction with the main section, substantially as herein described. 3rd. A pile covering consisting of the semi-cylindrical plates with meeting flanges, perforated bolts passing through the flanges, and locking rods passing through the bolts, bands encircling the plates at their joints and secured to the flanges by the bolts and rods, and butt straps on the inner surface of the plates at their joints, substantially as herein described.

No. 33,855. Arm Support for Telephones.

(*Appui-bras pour les téléphones.*)

Isaac Holzmark, Kansas, Kan., U.S., 4th March, 1890; 5 years.

Claim.—1st. An adjustable arm-support for telephones composed of main column B secured in the base C, said column B being provided with a suitable dog F, which catches in ratchets i, of the adjustable ratchet rod I, thus holding the arm in position at any desired height, substantially as set forth and described. 2nd. An adjustable arm support for telephones having the ratchet bar I operating in the supporting column B, said supporting column B being screwed or otherwise rigidly secured in the metallic base C, and supported by suitable braces D, adjustable rod I being also provided with a metallic plate H at its top on which is secured the upholstered or other suitable pad h, to form a cushion for the arm when said support is being used, substantially as set forth and described. 3rd. An arm support for telephones having the main column B properly secured in base C, being braced if found necessary by suitable braces D, said column B being also provided with a suitable dog F which operates in notches i of the ratchet rod I, and is held in position by a flexible steel spring G, in the manner and substantially as set forth and described.