

number of the longest month placed on it in weekly rows from top to bottom, or horizontally provided with a revolving index made to cover any or all of the last three numbers, as shown and described for the purpose set forth. 2nd. In a date calendar, a cylinder having the monthly numbers of the longest month placed on it in weekly rows from top to bottom, or horizontally provided with a revolving index containing the days of the week from Sunday to Sunday, embracing an interval of thirteen days or more. 3rd. In a date calendar, a cylinder having the monthly numbers of the longest month placed on it in weekly rows from top to bottom, or horizontally provided with a circularly moving index showing the names of the month, as shown and described for the purpose set forth. 4th. The combination, in a date calendar, of the cylinders A A, A A provided with monthly numbers X, weekly names Y, the regulating index C, the monthly index D and the plate E, as shown and described for the purpose set forth.

No. 23,979. Sewing Machine Table.

(Table de Machine à Coudre.)

Ludger Séguin, Montreal, Que., 5th May, 1886; 5 years.

Résumé—Dans une table de machine à coudre, la combinaison de la boîte A munie de la planchette mobile F H E T, encadrée dans la portion B, et reliée à la machine au moyen des charnières D, D, avec la partie C et la tête G de la machine, le tout tel que ci-dessus écrit et pour les fins sus mentionnées.

No. 23,980. Form for Displaying Textile Fabrics in Stores, etc. (Montre pour Tissus dans les Magasins.)

Alexander A. Murphy, Montreal, Que., 5th May, 1886; 5 years.

Claim.—Forms for displaying textile fabrics consisting of several quadrangular pieces, each quadrangular piece containing two contiguous acute angles on the one side thereof, and two contiguous obtuse angles on the other side thereof, in combination with several triangular pieces, and several quadrangular pieces, or in combination with quadrangular pieces only, hinged together and adapted to be folded into shape from a flat surface together with the fabric to be displayed, all substantially as set forth.

No. 23,981. Stone-Dressing Machine.

(Machine à Tailler la Pierre.)

John B. Poss, Rahway, N.J., U.S., 6th May, 1886; 5 years.

Claim.—1st. In a stone-dressing machine, the combination of a stone carrying platform, constructed of upper and lower sections provided on their abutting or contiguous faces with corresponding grooves and tracks, and a screw shaft working in a shell between the sections, whereby the upper section may be moved sidewise, substantially as described. 2nd. The combination, with the beams D, E, carrying the spring actuated drill rods, and the cam shaft bearing spirally arranged cams, of the arms a, a , connected to the beam D, and the arms a_1, a_1 , connected to the arms a, a , and the beam E for maintaining said beams relatively apart, and constituting separable bearings for the cam shaft, whereby the latter is movable, as set forth.

No. 23,982. Parallel Vice and Stand therefor. (Etau Parallèle et Etabli pour tel Etau.)

Joseph Parkinson, Bradford, Eng., 6th May, 1886; 5 years.

Claim.—The disengaging of the half or segment of a nut with the clamping screw S of a vice, substantially in the manner and for the purpose shown and described. The pillar of portable vice stands, formed in two parts and capable of adjustment for raising and lowering the vice table.

No. 23,983. Mechanical Telephone and Automatic Call. (Téléphone Mécanique et Avertisseur Automatique.)

William Taylor, Niles, Mich., U.S., 6th May, 1886; 5 years.

Claim.—1st. A mechanical telephone mounted in yielding connection with its supporting block, substantially as described. 2nd. The combination, with two mechanical telephones mounted in yielding connection with their supporting blocks, of a connecting wire, and an automatic call carried by each instrument, substantially as described. 3rd. The combination, with two mechanical telephone instruments mounted on springs g , of a connecting wire, and an automatic call attachment carried by the instrument, substantially as described. 4th. A diaphragm consisting of alternate layers of pressed pulp and cloth united by cement, substantially as described.

No. 23,984. Racquet Bat. (Raquette.)

Isaac T. Townsend, Coventry, Eng., 6th May, 1886; 5 years.

Claim.—The improvements in Racquet bats, of a head formed with a metallic inner frame A, united to the handle, and having the outer binder B bent around the bow in one continuous band, and continuing down sufficiently low to unite with, or to partly form a handle which is made up with other pieces, substantially as herein set forth.

No. 23,985. Rudder Fittings for Boats.

(Vites de Gouvernail de Bateau.)

Octavius L. Hicks, Edobicoke, Ont., 6th May, 1886; 5 years.

Claim.—The combination of the straps B and F, with the vital C, and the combination of the straps B and F, and the vital C with the guide A, and slot D, substantially as and for the purpose hereinbefore set forth.

No. 23,986. Faucet and Tap.

(Robinet - Bondon.)

Ammi C. Morse, East Boston, Mass., U.S., 6th May, 1886; 5 years.

Claim.—1st. In an improved faucet and tap, the interior perforated chamber F having a valvular opening L, the recessed perforated locking nut M, supporting the lifting valve J, and the supporting bridge O, combined to operate with the faucet S, constructed with a transverse bar Q to actuate said valve, substantially as and in the manner specified. 2nd. In an improved tap and faucet, the combination, with the transverse bar Q, of a spring-actuated lifting valve J, perforated bridges O and H, chamber F, spring K, and locking nut M, substantially as described. 3rd. In a combined tap and faucet, the combination, with a chambered and bridged tap, as described, of a hexagonally pierced attached frame V, and a detachable hinged cover U co-operating to seal said tap, as and for the purpose set forth.

No. 23,987. Machine for Manipulating Fractional Tickets, etc. (Appareil pour Indiquer le Cours du Change.)

Charles L. Campbell, Washington, D.C., U.S., 6th May, 1886; 5 years.

Claim.—1st. The combination, with the lever f_2 having a shoulder on its under surface, the L-shaped arms f , the spring-actuated shaft F carrying a cam, pivoted L-shaped arm e_1 , having its bent portion provided with a lug or projection engaged by said cam, the pawl connected by a bail or arm to the longer portion of said L-shaped arm e_1 , and the fly wheel having a segment of its rim portion removed and a train of gearing for operating the arm connected to the slides or blades, substantially as shown and described. 2nd. The combination, with the L-shaped arm f , the lever f_2 , the spring-actuated shaft F, cam e_1 , arm e_1 , link a_2 , and pawl e , and the fly wheel of the rod e_2 having the pawls e_1, e_2 , the cog or gear-wheel having on one side a lug or projection d_2 , and a disk d having a segment of its surface removed, the pinion secured on the shaft of the fly wheel, the train of gearing connecting with the drum having the weighted cord and operating levers to shift the knives to manipulate the tickets, substantially as shown and described. 3rd. The machine for manipulating fractional tickets or quotations, the cog or gear-wheel having a lug or projection on one side, and a disk with a segment of its rim portion removed and the train of gearing, in combination with the horizontally and vertically reciprocating slides or blades, and the levers and arms connected to said slides or blades and engaging with lug d_2 , pawls e_1 and e_2 , rigidly secured to shaft c , said pawls engaging the shoulder of the fly wheel E and notched disks d_2 respectively. 4th. Arm e_1 , L-shaped arm e_1 , cam f_1 , shaft F, spring f_2 , arm f , lever f_2 , having projection f_1 , and provided at one end with a cord connecting with a cam of a clock, substantially as shown and described. 5th. The horizontally-reciprocating slide or blade, the lever connected thereto, the bail or arm and the lever, in combination with the cog or gear-wheel having a lug or projection on one side to engage said lever, and a train of gearing connecting with the drum having the weighted cord or chain, substantially as shown and described. 6th. The combination, with the horizontally-reciprocating slide or blade, the lever connected thereto and the bell-crank lever connected to said lever by a bail or arm, of the cog or gear-wheel carrying a lug or projection to engage said lever and the described train of gearing, substantially as shown and described. 7th. In a machine for manipulating fractional tickets or quotations, the vertically-reciprocating slide or blade, the upper and lower cross-piece, the rods connected to said cross pieces, the springs supporting said upper cross-piece, and the apertured bracket and levers for operating said slide or blade, substantially as shown and described. 8th. The combination, with the vertically-reciprocating slide or blade, the upper and lower cross-pieces connected by spring-covered rods, the arms m, m and levers m_2, m_3 , the bell-crank lever N, arm m_1 , and the cog or gear-wheel having a lug or projection and acted upon through the described train of gearing, substantially as shown and described. 9th. In a machine for manipulating fractional tickets or quotations, the horizontally-reciprocating slide or blade and the vertically-reciprocating slide or blade lever k , balls or arms k_1, k_2 , and bell crank lever k_3 and bars m, m_1, m_2 , levers m_2, m_3 and bell-crank lever N, in combination with the cog or gear-wheel having a lug or projection, and the described train of gearing, substantially as shown and described. 10th. The box or receptacle, consisting of two parallel sides grooved on their inner surface, and having small rolls secured at or near the forward end thereof, a bottom connecting piece having an opening, a small compartment having a spring actuated slide, said compartment and parallel sides being slotted, and the plate or slide having arms entering said grooves, and the weighted cords connected to said plate or slide and passing around said rolls and over wheels on the outer sides of said parallel slide-pieces, substantially as shown and described. 11th. A machine for manipulating fractional tickets or quotations, consisting of a front plate or upright, having two openings for the exhibition of tickets or quotations, a box or receptacle having a plate or slide with weighted cords connected thereto horizontally, and vertically-reciprocating slides or blades operated by lever k , balls or arms k_1, k_2 , bell-crank lever k_3 , bars m, m_1, m_2 and bell crank-lever N, the cog or gear-wheel having a lug or projection, the described train of gearing, the drum having weighted cord or chain, said train of gearing connected with said cog or gear wheel, the clock having a cam or gear-wheel, a cord connected thereto and to lever f_2 , the spring-actuated rod or shaft, carrying an L-shaped arm f and a cam f_1 , the L-shaped arm e_1 , having a bent portion operated by said cam, pawl e connected to said arm, the shaft c securing said pawl, the second pawl e_2 on said shaft engaging a shoulder of the disk of the cog or gear-wheel, the pinion fast upon a shaft, and the fly wheel having a segment of its portion removed and also connected to said shaft, substantially as shown and described.