No. 34,816. Calendar. (Calendrier.)

No. 34,916. Calendar. (Calendre.)
Ious Palmersten, Milwaukee, Wis., U.S., 5th August, 1890; 5 years.
(Naim.—Ist. In a calendar, a base plate having two annular spaces the said two annular spaces, the subdivisions in one circle or annular spaces, the subdivisions in one circle or annular space, each containing a digit or cipher, another superimposed circular plate of lesser diameter divisions on the base card, the subdivisions in one of sole or annular space, each containing a digit or cipher, another superimposed circular plate of lesser diameter divisions on the base card, the subdivisions in one of sole or annular space, each containing a digit or cipher, another superimposed circular plate of lesser diameter divisions on the base card, the subdivisions in one of sole or annular space, each containing a digit or cipher, another superimposed circular plate of lesser diameter than the foregoing, provided with a single circumfer marked off registering with the before-named radial subdivisions on the base card, the subdivisions in the subdivision or annular space, each contained a subdivision or annular space, and the subdivision or annular space, and the subdivision or annular space, each contained the subdivision on the base of the subdivision or annular space, marked across with radial within the sole of easer diameter than the foregoing, and the one circle, being marked off registering with the before-named radial subdivision on the subdivision, succeeded by two marked with the names of the marked division sing the names, the fourteen subdivisions in the other circle on the subdivision of a series of annular space, similarly marked across with radial within the the space of the days of the optimizer of a said plates being cartaly and pivotally and pivotally and subdivision of a series of plate of the subdivision sing to marked across with radial division lines, with the energe of the days of the optimizer diameters, with the if exposed plate of the subdivision sing to annular space, each othe Louis Palmersten, Milwaukee, Wis., U.S., 5th August, 1890; 5 years.

No. 34,817. Blocking Tension. (Mandrin.)

George R. Jeffries, Toronto, Ont., 5th August, 1890; 5 years.

Claim.—A frame, consisting of a series of round stationary bars, arranged parallel with each other, in combination with a round bar horizontally or diagonally adjustable in the said frame, substan-tially as and for the purpose specified.

No. 34,818. Ladder. (Echelle.)

William G. Sickles, Stryvesant, N. Y., U. S., 5th August, 1890; 5

Claim.-In a ladder, the combination of the extension bar B Claim.-In a ladder, the combination of the extension bar B, a ladder, said extension bar provided with a series of holes, a presser and a lower smaller pointed portion C, with a bolt P passing through said bolt operated by the spiral spring S, placed about the shank of described and for the purpose set forth.

No. 34,819. Process of Treating Silver and Zinc Ores. (Procédé de traitement des minerais d'argent et de zinc.)

Frank L. Bartlett, Portland, Me., U.S., 5th August, 1890; 5 years. Claim.—The herein described process of treating ores containing fuels, supplying sufficient supplying the process of treating ores containing fuel, supplying sufficient supply no produce an excess of the same, the whole mass of ore, and supplying air to unite with the products of combustion above said mass, substantially as shown.

No. 34,820. Process and Apparatus for Manufacturing Pigments. (Procédé et appareil de fabrication des couleurs.)

Frank L. Bartlett, Portland, Me., U.S., 5th August, 1890; 5 years. Frank L. Bartlett, Portland, Me., U.S., 5th August, 1890; 5 years. *Claim.*—1st. The herein described apparatus for the manufacture of pigment, consisting of a blast furnace, a passage or flue leading the refrom, an oxidizing furnace provided with means for heating material filling said flue between the main furnace and said oxidiz-air pipes for supplying air to said oxidizing furnace, heat furnace, herein described apparatus for the manufacture of pigment. Con-mass of refractory material furnace, a passage or flue leading the flue leading thereform, substantially as shown. 2nd. The sisting of a blast furnace, a passage or flue leading therefrom, a passages extending through it for the passage of fune, an oxidizing furnace situated in the line of said flue, a cooling chamber having furnace situated in the line of said flue, a cooling chamber having The OFFICE RECORD. The passage of fume, a collecting and solve thing chamber, pipes for supplying air to said oxidizing furnace, and the passage leading therefrom, substantially as hown. At The herein described apparatus for the manufacture of pigment consisting of a blast furnace, a passage or flue leading therefrom, an mass of refractory material filling said passage of lume, the passage of lume, the herein described apparatus for the manufacture of pigment consisting so the passage of flue leading therefrom, and the main furnace, and sharing numerous tortuous flues passage or flue leading therefrom and the main furnace, and having numerous small flues for the passage of lume, the onside of the solver on an and or the solver on the

No. 34,821. Cash Drawer and Sale Register. (Caisse de comptoir et régistre de vente.)

David J. Johnston and George M. Verrall, Toronto, Ont., 5th August, 1890; 5 years.

David J. Jonnston and George M. verrait, Found, Ont., our August, 1890; 5 years. Claim.—1st. The two webs of paper H and I, wound upon the roll-er J, journalled within the cash drawer case A, and separated on leaving the roller by the bar N and carbon impression paper M, the paper H being carried through an opening in the top of the case A, and below the plate K, and the paper I, over the supporting plate L, located immediately below the said opening in the case A, substanti-ally as and for the purpose specified. 2nd. The two webs of paper H and I, wound upon the roller J, journaled within the cash drawer case A, and separated on leaving the roller by the bar N, and carbon impression paper M, the paper H, being carried through an opening in the top of the case A, and below the plate K. and the paper I, over the supporting plate L, located immediately below the said opening in the case A, in combination with the rollers O, P, and Q, spur pinion R, and rack S, arranged substantially as and for the purpose specified. 3rd. The drawer B, actuated by the spring C, and having a notch D made in it, in combination with the lever E, push bar F, and spring G, arranged substantially as and for the purpose specified. 4th. The paper H, wound upon the roller J, in combina-tion with the roller U, provided with a rubber stamp W, and sup-porting the inking roller V, substantially as and for the purpose specified.

No. 34,822. Combination Pipe and Nut Wrench. (Clé d écrou et à tuyau.)

Erastus E. King and Lee's Summit M'f'g. Co., Lee's Summit, Mo., U.S., 6th August, 1890; 5 years.

Claim.-Ist. In a wrench, the combination, with the stock 1, ter-minating at its upper end in the head 2, and having claw 4, and having the irregular recess 14, terminating at its lower end in the bearing 15, and at its upper end in the cut away portion 16, of the L-shaped locking pawl 17, having the transversely toothed head 18,