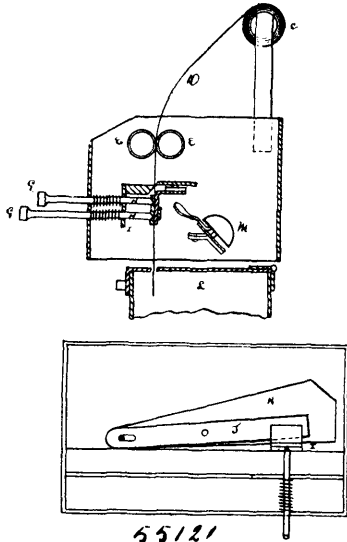


such circuits successively and by a further movement to suddenly break the circuit carrying the full current. 16th. A switching mechanism provided with double contacts, one of such contacts arranged to carry the current from a circuit including a resistance and the second contact arranged to make, and by a further movement of the switch handle to break a circuit carrying full current, substantially as set out and described herein.

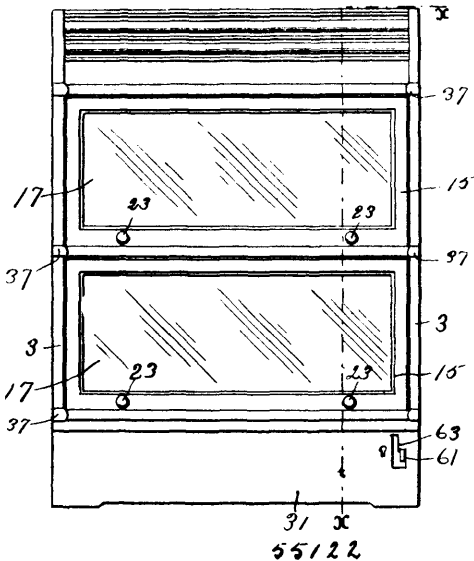
**No. 55,121. Ballot Box.** (*Urne de scrutin.*)



Joseph James Philip, Winnipeg, Manitoba, 1st March, 1897; 6 years. (Filed 14th October, 1896.)

*Claim.*—1st. The combination of rollers C and EE and the ballot paper D to the punches HH, substantially as and for the purpose as hereinbefore set forth. 2nd. The combination of the knife K and the feeding rollers C and EE and the ballot paper D and the lever J and the bell M, substantially as and for the purpose as hereinbefore set forth.

**No. 55,122. Book-case.** (*Bibliothèque.*)



Otto Heinrich Louis Wernicke, Minneapolis, Minnesota, U.S.A., 1st March, 1897; 6 years. (Filed 29th September, 1896.)

*Claim.*—1st. A case for holding books or other articles, comprising a series of boxes or crates, adapted to be arranged one upon top of another, and means for locking said crates together, each of said crates being provided with a door hinged at its upper edge and arranged to be turned down to close the front of the crate, or to be turned into a horizontal position and pushed back under the top of the crate. 2nd. The crates or sections, each having its bottom composed of independent longitudinal strips with a space between them, and with a thin pad arranged over said strips, and its top provided with a longitudinal strip adapted to fit into the space between the two longitudinal strips upon the bottom of another section. 3rd. A section or crate, provided with a folding removable back, folding

ends, a hinged top, and a removable door hinged at its upper edge to the ends of the crate and adapted to be swung down over the front of the crate or to be turned into a horizontal position and pushed back under the top. 4th. The finishing crates 35 arranged upon the ends of the crates, and having dove-tailed recesses and projections for interlocking with each other. 5th. The book case, comprising the separate crates or boxes, adapted to be piled one upon another, and each having a door hinged at its upper edge, locks for said doors, and means for simultaneously operating all of said locks. 6th. The combination, with the crate or section, provided with the door hinged at its upper edge to the ends of the section, and having lugs 47, with pivoted levers 41 and the sliding bars 59 for operating said levers. 7th. The box or crate, having its front bottom strips 7 provided with the curved recesses 27 and with the felt strip 29 and the door hinged by hooks 19 upon the pins 21. 8th. The combination, with the series of crates, means for securing the crates one upon top of another, means for securing the butting ends of the crates together, locks upon each of said crates, and means for connecting all of said locks whereby the same may be simultaneously operated.

**No. 55,123. Electrode for Secondary Voltaic Batteries.** (*Electrode pour batteries voltaïques secondaires.*)

FIG. 1.

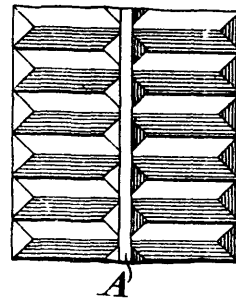


FIG. 2.



George Annesley Grindle, Addiscombe, Prestwich, Lancaster, England, 1st March, 1897; 6 years. (Filed 13th October, 1896.)

*Claim.*—For filling the holes of an electrode plate for a secondary voltaic battery, plugs each consisting of a rolled up strip of lead, having on its one side transverse ridges and furrows, all the ridges being connected by a central longitudinal ridge, substantially as and for the purpose set forth.

**No. 55,124. Leather Measuring Machine.**

(*Machine à mesurer le cuir.*)

Jean Baptiste Edmond Rousseau and Joseph Boulet, both of Quebec, Quebec, Canada, 1st March, 1897; 6 years. (Filed 31st October, 1896.)

*Claim.*—1st. In a measuring machine, the combination, with a pivoted frame, and a roller journaled in the free end thereof, of a crank-plate for actuating the indicator mechanism, and intermediate driving devices operatively connecting the said crank-plate with the said roller, substantially as set forth. 2nd. In a measuring machine, the combination, with a pivoted frame, and a roller and a worm secured and journaled in the free end thereof, of a crank-plate for actuating the indicator mechanism, a worm wheel gearing into the said worm, and driving connections between the said crank-plate and worm wheel, substantially as set forth. 3rd. In a measuring machine, the combination, with a pivoted frame, and a roller and worm secured together and journaled in the free end thereof, of a shaft D, journaled in the said frame, a worm wheel secured on the said shaft and gearing into the said worm, a shaft E, journaled in stationary bearings, a crank plate carried by the shaft E and affording a means for actuating the indicator mechanism, and a universal coupling connecting the adjacent ends of the shafts D and E, substantially as set forth. 4th. In a measuring machine, the combination, with a shaft provided with means for revolving it, of a crank plate for operating the indicator mechanism, a clutch sleeve secured to the said shaft, and a spring-pressed pawl pivoted to the said crank plate and engaging with the said clutch sleeves, substantially as set forth. 5th. In a measuring machine, the combination, with a shaft provided with a means for revolving it, of a crank plate for operating the indicator mechanism, a clutch sleeve secured to the said shaft, a spring pressed pawl pivoted to the said crank plate and provided with an inclined shoulder, and a slidable sleeve mounted on the said shaft and provided with a bevelled shoulder for