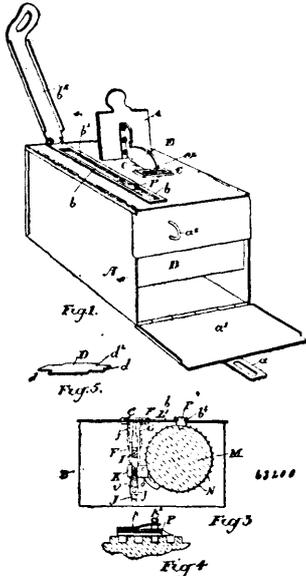


normally open circuit, a switch to close said circuit and a finger pivoted upon said switch and movable to a limited extent with respect thereto, said finger projecting into the path of the moving part of the engine.

**No. 63,200. Ballot Box.** (*Boite à scrutin.*)



Francis Alfred Tetu and Edmund Burke Nagle, both of Ottawa, Ontario, Canada, 5th June, 1899; 6 years. (Filed 7th January, 1899.)

*Claim.*—1st. A ballot box, comprising a casing, a T-shaped slot therein, a chute beneath the slot, a lever suitably pivoted and projecting across the chute beneath the said slot, a registering mechanism connected thereto, a cam shaped lever having a projection thereon, and designed to operate upon said projecting lever through the intervention of a metal blank, as and for the purpose specified. 2nd. A ballot box, comprising a casing, a T-shaped slot therein, a chute beneath said slot, a lever suitably pivoted and projecting across the chute beneath said slot, a registering mechanism connected thereto and operated by forcing the blank down past the projecting lever, a cam shaped lever having a projection thereon and designed to operate upon said lever through the intervention of a blank, a bell hammer connected to said projecting lever and bell attached to said casing, all arranged as and for the purpose specified. 3rd. A ballot box, comprising a casing, a T-shaped slot therein, brackets forming a chute located beneath the slot, bevelled projections located at the base of the brackets and guide ribs for holding blank in place, a cam lever, a projection thereon, a curved lever pivoted between said brackets and having a lateral notched projection and a registering mechanism connected thereto, as and for the purpose specified. 4th. The combination with the casing having the T-shaped slot, the brackets forming the chute, a lever pivoted in said brackets, of a drum supported in the casing and spiral groove therein, numbers inscribed in rotation on the periphery of the drum, a slot in the casing located above the face of the drum, a pointer capable of longitudinal movement in said slot and having a projection extending into the spiral groove in the drum and means for rotating said drum a given space upon forcing a ballot into the box, as and for the purpose specified. 5th. The combination with the casing having the T-shaped slot therein, the cam lever having a projection at the base thereof, the lever pivoted in said brackets having a notched end, of a spindle supported in the casing, a spring held pawl bearing block, the drum journaled in the casing and having spiral grooves thereon, a ratchet wheel at the end of the drum designed to co-act with said pawl, numbers inscribed on the spiral face of the drum following the groove, a pointer automatically moved from zero to the maximum number, as and for the purpose specified.

**No. 63,201. Vote Recording Apparatus.**

(*Appareil à enregistrer les votes.*)

Walter Henry Howe, London, England, 5th June, 1899; 6 years. (Filed 25th April, 1899.)

*Claim.*—1st. In apparatus for recording votes, the combination of a series of sliding pushers, number printing apparatus attached to the said pushers and adapted to be operated by the reciprocation of the latter, a turnstile operated by the voters, means for transmitting the motion of the turnstile to an oscillating or reciprocating device, catches or the like for connecting the said pushers with the said reciprocating device and a series of bars or the like

designed to be moved by the voter, and means in connection with the said bars for causing the catches to engage with the reciprocating

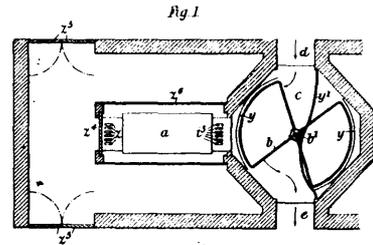


Fig. 1

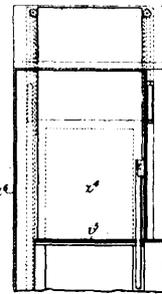


Fig. 6

ing device, means for interlocking the bars or the like so that only a predetermined number of them can be operated at one time and a scrutiny number printing apparatus connected with the oscillating or reciprocating device and moving therewith, substantially as described. 2nd. In apparatus for recording votes, the combination of a series of sliding bars, means for interlocking the said bars so that only a certain number of them can be moved at one time, a series of sets of number printing apparatus, a turnstile, means for transmitting the motion of the turnstile to a bar or slide and causing it to oscillate or reciprocate, catches for enabling the sets of number printing apparatus to be connected with the oscillating or reciprocating bar or slide, inclines upon the sliding bars for operating the said catches to cause any predetermined number of them to engage with the oscillating or reciprocating bar or slide, a bolt for stopping the rotation of the turnstile after it has been moved through a certain distance, and other inclines upon the sliding bars for withdrawing the said bolt when the sliding bars are moved to record a vote, substantially as described. 3rd. In apparatus for recording votes, the combination of a turnstile operated by the voters entering and leaving the voting chamber, a shaft operated by the said turnstile, a cam upon the said shaft, a bar or device adapted to be oscillated or reciprocated, and levers and rods for transmitting the motion of the cam to the said bar or device, a series of number printing apparatuses adapted to be connected with the said bar or slide, sliding rods operated by the voter for controlling the connection between the said bar and the number printing apparatuses, an independent set of number printing apparatus permanently connected with the said bar and printing each time that the bar is oscillated or reciprocated, inking apparatus also operated from the cam through the medium of which the printing apparatuses are operated, an impression roller against which the printing apparatuses are designed to print, which impression roller receives a step by step movement from a suitable part of the machine, and paper carrying rollers adapted to carry a paper web for receiving the impressions, substantially as described. 4th. In apparatus for recording votes, the combination with a number of sets of number printing apparatus, of a turnstile for operating the said sets of printing apparatus, of sliding bars for controlling the operation of the said number printing apparatuses, and of a series of auxiliary handles  $z$  connected with the said bars for enabling votes to be recorded without the voter himself operating the turnstile, substantially as described. 5th. In apparatus for recording votes, wherein a series of sliding bars having handles and serving to control the operation of several sets of number printing apparatus is employed, the combination with the said bars of shutters for concealing the said handles and so arranged that when one shutter is open the other is closed and vice versa, substantially as described.

**No. 63,202. Process of Making Photographic Films.**

(*Procédé pour la fabrication de pellicules photographiques.*)

Oswald Moh, Augustastrasse, Görlitz, Prussia, 5th June, 1899; 6 years. (Filed 6th December, 1898.)

*Claim.*—1st. A process for producing negative plates for photographic purposes, which consists in coating a sheet of paper with a film of caoutchouc, covering the same with a film of collodium, and finally covering this collodium film with a film of gelatine for carrying the silver salt, the combined films being removed from the