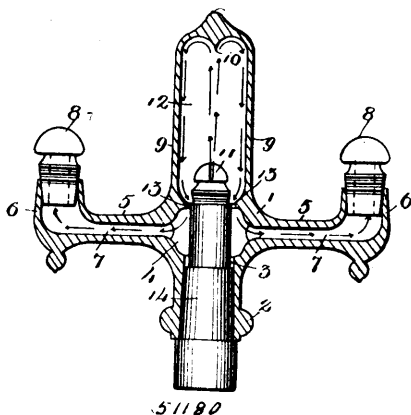


clutch coupling when desired, a ratchet fast on said counter shaft, a segment provided with spring operated differential pawls engaging in said ratchet, and a hand lever for operating said segment, substantially as described. 3rd. In a saw-mill set works organization, the combination with a main set shaft and gearing connecting said shaft with the knees, of receding springs placed under tension on said shaft, and normally tending to withdraw said knees away from the saw line, a counter shaft, a pinion loose thereon, with gearing connecting said pinion with said set shaft, a toothed clutch coupling adapted to connect said pinion to said counter shaft, a spring normally pressing the members of said clutch coupling into engagement with each other, and a ratchet and pawl arrangement with a hand lever for operating the same, whereby motion may be transmitted to said counter shaft, substantially as described. 4th. In a saw-mill set works organization the combination with the main set shaft, of a counter shaft and gearing connecting the two shafts, a ratchet-wheel fast on said counter shaft, a segment with a plurality of differential spring operated pawls engaging in said ratchet-wheel, a hand lever for moving said segment, and a quadrant provided with a stop to limit the motion of the hand lever in one direction and with a plurality of perforations with pins adapted to slide in and out therethrough and to form a stop to limit the motion of the hand lever in the opposite direction, substantially as described. 5th. In a saw-mill set works organization, the combination with the main set shaft, of a counter shaft and gearing connecting the two shafts, a ratchet-wheel fast on said counter shaft, a segment with a plurality of spring operated pawls pivotally mounted on said counter shaft and having its pawls engage the teeth of said ratchet-wheel, a hand lever adapted to impart a reciprocating motion to said segment and a quadrant provided with an adjustable stop to limit the motion of the hand lever in one direction and with a plurality of perforations, with pins adapted to slide in and out therethrough, and to form a stop to limit the motion of the hand lever in the opposite direction, substantially as described. 6th. In a saw-mill set works organization, the combination with the main set shaft of a counter shaft and gearing connecting the two shafts, a ratchet-wheel fast on said counter shaft, a segment with a plurality of spring operated pawls carried thereby and pivotally mounted on said counter shaft, the said pawls engaging in the teeth of said ratchet-wheels, a hand lever adapted to impart a reciprocating motion to said segment, a quadrant provided with a plurality of perforations, with pins adapted to slide in and out therethrough and to form a stop to limit the motion of the hand lever in one direction, with a cam plate pivoted in the line of travel of the said hand lever, and adapted to form a stop to limit the travel of the said lever in the opposite direction, with teeth in the rear of said cam plate, and a pawl engaging said teeth, substantially as described. 7th. In a saw-mill set works organization, the combination with a ratchet-wheel and a pair of differential pawls, one of said pawls being provided with a rearwardly projecting lug, of a spring interposed between the base of this lug and the top of the adjacent pawl, whereby both pawls are pressed towards the teeth of said ratchet-wheels, substantially as described. 8th. In a saw-mill set works organization, the combination with a ratchet-wheel of a pawl carrier adapted to swing about said ratchet-wheel, and provided with differential pawls arranged in pairs, one of each pair of said pawls, being provided with a rearwardly projecting lug, with a spring interposed between the base of this lug, and the top of the adjacent pawl, whereby both pawls are pressed down on said ratchet-wheel, substantially as described. 9th. In a saw-mill set works organization, the combination with a ratchet-wheel of a pawl carrier adapted to swing about said ratchet wheel, a plurality of angularly adjustable eccentric pins mounted across said pawl carrier, pawls pivoted on said pins, means for adjusting said pins in any desired position, and clamp screws for holding said pins in the desired position, substantially as described.

No. 51,180. Gas Burner. (Bec à gaz).

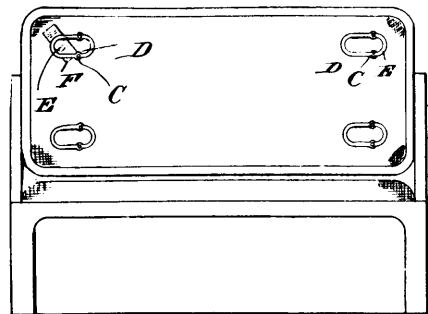


51180

Charles Knapp, St. Louis, Missouri, U.S.A., 1st February, 1896; 6 years. (Filed 11th November, 1895.)

Claim.—1st. A gas burner consisting of a suitable open base and a dome having a closed top, said base adapted to fit over a gas-tip shell and tip carried thereby, and form an annular passage at the basal portion of the dome and around the outer surface of the shell, and suitable arms, having passages, extending outwardly from a point between said base and the basal portion of the dome, substantially as set forth. 2nd. A gas burner comprising a base, an opening in said base, a dome having a closed deflecting top mounted above said opening and in communication therewith, an ordinary shell inserted into said opening, a gas supply tip carried by the upper end of the shell and projecting into said dome, arms located above the base and below the supply tip, passages formed in said arms, and tips carried by said arms from which the flame issues and impinges upon said dome, substantially as set forth. 3rd. A gas burner comprising a base, an opening in said base, an annular enlarged chamber above said opening, a hollow dome, a contracted annular passage at the base of said dome and communicating with the annular chamber, arms carrying suitable tips, passages in said arms in communication with the tips and chamber, a shell passed into the opening of the base and extending into the contracted passage, and a supply tip carried by said shell and projecting into the dome, substantially as set forth.

No. 51,181. Ticket Holder. (Porte-billets.)

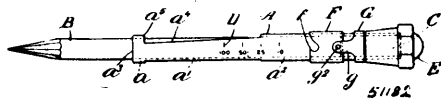


51181

Charles Alvey Brown, Westfield, New Jersey, U.S.A., 3rd February, 1896; 6 years. (Filed 15th November, 1895.)

Claim.—1st. The combination with the back of a car seat or chair, of a holder or clamp secured thereto, and adapted to hold a ticket in connection with the seat or chair, substantially as shown and described. 2nd. The combination with the back of a railway seat or chair, of a ticket holder secured thereto, substantially as shown and described. 3rd. The combination with the back of a railway seat or chair, of a ticket holder consisting of a clamp or similar device, one end of which is secured thereto, substantially as shown and described.

No. 51,182. Holder for a writing Implement and Weighing Device. (Etui pour appareil à écrire et balance.)



51182

Rudolph William Riess, Germantown, Pennsylvania, U.S.A., 3rd February, 1896; 6 years. (Filed 13th November, 1895.)

Claim.—1st. A holder for a writing implement and weighing device, consisting of a tube or cylinder, open at one end for the reception of the writing implement, weighted at the other end and having an eraser applied thereon and a sleeve with a pivotal standard for establishing a weighing device for coin of different denominations, substantially as and for the purposes set forth. 2nd. A holder for a writing implement and weighing device, comprising a graduated scale tube or cylinder provided with an oblong slot for inserting coin therethrough and with a tapering surface forming a rest for the coin and a slidable sleeve on said tube or cylinder and having a pivotal trunnion forming in operative position a vertical standard for the weighing device, substantially as and for the purposes set forth. 3rd. A holder for a writing implement and weighing device, comprising a slotted counterweighted and graduated scale tube or cylinder with a guide-way for inserting therethrough coin, oblong slits merging into said guide-way, a removable sleeve mounted on said tube or cylinder and provided with a pivotal trunnion forming in operative position a standard for the weighing device, substantially as and for the purposes set forth. 4th. A holder for a writing implement and weighing device, comprising a graduated or scaled, cylinder open at one end and weighted at the other end and having an intermediate guide-way and a coin rest, a sleeve provided with a pointer and a movable trunnion connected with said cylinder and slidable thereon, substantially as and for the purposes set forth.