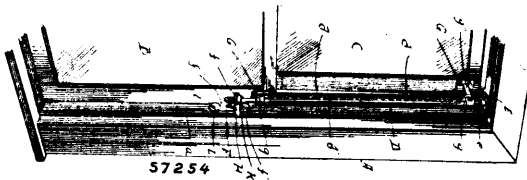


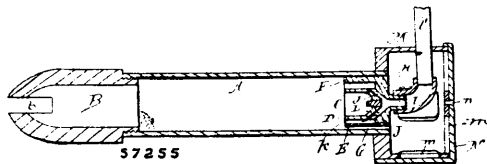
Claim.—1st. In a sash fastener, the combination with the eyes secured to the upper and lower sash, integral pins extending



horizontally into the apertures of said eyes, of the rod D, having a series of notches, a longitudinal groove adjacent to the said notches, the eyes designed to work on said rod, and means for rotating the same whereby the eyes may be allowed to slide or be locked to said rod, substantially as shown and described. 2nd. In a sash fastener, the combination with a notched rod mounted as described, of the casting F of the lever pivoted near the lower end of said rod and a handle H pivoted to said lever, an integral portion h of the said handle adapted to rest in a recess in the casting, and a spring h', bearing on the lever and handle over the pivotal connection between the latter, substantially as shown and described. 3rd. In a window frame, the combination of the eye, the locking-rod passing through the same, the socket journaling the upper end of the rod, the slotted bracket journaling the lower part thereof, and the eccentric engaging the bracket, substantially as specified.

No. 57,255. Smoke Consumer.

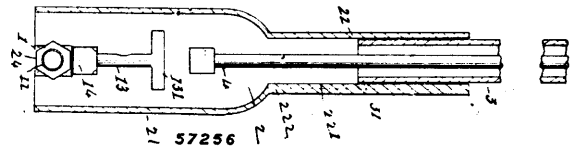
(Appareil à consumer la fumée.)



Charles C. Bruckner, Chicago, Illinois, U.S.A., 1st September, 1897; 6 years. (Filed 4th August, 1897.)

Claim.—1st. In a smoke-consumer, the combination with a mixing-tube, a superheating-nozzle on one end of said tube, of a steam nozzle in the other end of said tube, comprising an outer tube arranged in the mixing-tube to provide a space between said tube and the mixing-tube, an inner tube leaving a space between itself and the outer tube, a bridge-wall provided with a hollow extension and ports leading from said hollow extension to the space between the inner and outer tubes, and a steam-pipe communicating with said extension, substantially as described. 2nd. In a smoke-consumer, the combination with a mixing-tube, having a superheating-nozzle on one end thereof, of a steam nozzle, adapted to be arranged in the other end of said mixing-tube, and comprising a bridge-wall having a hollow extension, an inner tube and an outer tube connected to said bridge-wall and having a space between them, ports leading from the hollow extension to said space between the tubes, a steam-pipe communicating with said hollow extension, and ribs on the outer side of the outer tube adapted to fit snugly within the end of the mixing-tube, and thereby provide a space between the outer tube and the mixing-tube, substantially as described. 3rd. In a smoke-consumer, the combination with a mixing-tube, having a superheating-nozzle on one end thereof, of a steam-nozzle secured in the other end of said tube, and consisting of an outer tube, the ribs on said outer tube adapted to fit between said tube and the mixing-tube thereby providing a space between said tubes, an inner tube arranged within the outer tube and providing space between said inner and outer tubes, a bridge-wall, a hollow extension on said bridge-wall, ports in the bridge-wall leading from the hollow extension and opening in the space between the inner and outer tubes and on opposite sides of the nozzle, a steam-pipe communicating with said hollow extension, a plug closing the inner end of said extension, and adapted to be adjusted to control the amount of steam passing into the ports, and a perforated cap removably secured on the outer end of said mixing-tube, substantially as described. 4th. In a smoke-consumer, the combination with a mixing-tube, a superheating-nozzle on one end of said tube, a steam-nozzle fitted in the other end of that tube and comprising an outer tube, an inner tube, a bridge-wall having a hollow extension and ports leading from said extension to a space between the tubes, a steam-pipe communicating with said extension, of a cap arranged on the tube and over the steam-nozzle and provided with openings therein and a damper plate pivotally secured on the cap and provided with openings to register with the openings in the cap, substantially as described. 5th. In a smoke-consumer, the combination with a mixing-tube, a superheating-nozzle on one end thereof, of a steam-nozzle in the other end of the tube provided with a hollow extension, an elbow secured on the extension, a steam-pipe on the elbow, a cap provided with top and side openings and secured to the tube, and a damper-plate pivotally secured on the cap and provided with openings to register with the openings in the cap, substantially as described.

No. 57,256. Stop-Cock Box. (Boîte de robinet ordinaire.)

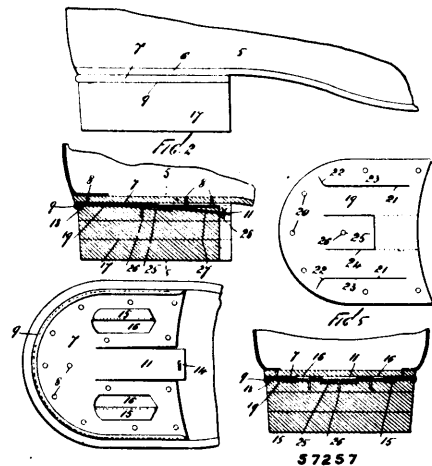


Henry Noel Chauvin, Montreal, Quebec, Canada, 1st September, 1897; 6 years. (Filed 5th August, 1897.)

Claim.—1st. In a stop-cock box the combination of an extended enlarged lower portion, a reduced upper portion grooved to hold the projection of a telescope pipe. 2nd. In a stop-cock box the combination of an outer case with its upper half reduced to fit over a telescope pipe, the lower enlarged portion containing a tee-handle riveted to the stop-cock, to be operated by a forked key-rod. 3rd. In a stop-cock box, the combination of a lower section in which the upper half is reduced in size, a groove therein, a stop at lower end of groove, a telescope pipe with a projection to fit groove, and a lower enlarged half to cover stop-cock and attachments and supply free play to the same.

No. 57,257. Detachable Heel for Boots and Shoes.

(Talon mobile pour chaussures.)



Alexander Maebert, Jersey, New Jersey, U.S.A., 1st September, 1897; 6 years. (Filed 5th August, 1897.)

Claim.—1st. A boot or shoe provided with a heel plate which is secured thereto and provided at the sides and rear portion thereof with a downwardly and inwardly directed flange or rim, and a centre plate secured to the bottom thereof, and provided with a forwardly directed extension, and a detachable heel which is provided around the sides and rear portion thereof with a groove, which is adapted to receive said flange or rim, and centrally thereof with a cavity or recess which communicates with a passage or opening formed in said heel, and extending forwardly, and through which the forwardly directed extension of said centre plate passes, substantially as shown and described. 2nd. A boot or shoe, provided with a heel plate which is secured thereto and provided at the sides and rear portion thereof with a downwardly and inwardly directed flange or rim, and a centre plate secured to the bottom thereof, and provided with a forwardly directed extension, and a detachable heel which is provided around the sides and rear portion thereof with a groove, which is adapted to receive said flange or rim, and centrally thereof with a cavity or recess which communicates with a passage or opening formed in said heel, and extending forwardly, and through which the forwardly directed extension of said centre plate passes, said heel plate being also provided at each side of the centre plate with longitudinal flanges or wings, and said heel with corresponding slots or grooves, substantially as shown and described. 3rd. A boot or shoe, provided with a heel plate as 7, constructed as herein described, and a detachable heel as 17, said heel being provided with a centre plate which is provided with a forwardly directed extension, and said heel being provided centrally thereof with a cavity or recess which communicates with a forwardly directed passage or opening formed in said heel, and through which the extension of said centre plate passes, substantially as shown and described.

No. 57,258. Cow-Milking Machine.

(Machine à traire les vaches.)

Herbert James Cumming, 71 Cathedral Square, New Zealand, 1st September, 1897; 6 years. (Filed 7th August, 1897.)

Claim.—1st. The improved method of producing pulsation of the flexible lining of the teat cups of milking machines, consisting in