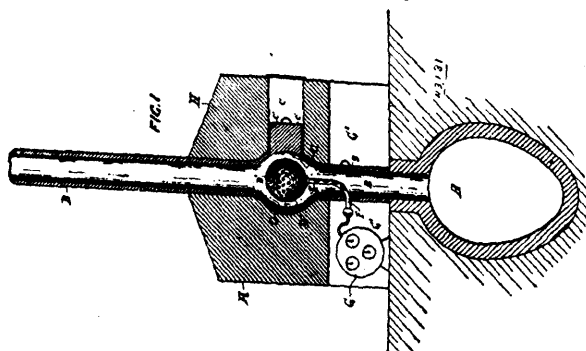


with the lock mechanism, of a plug through which the bullet or projectile is introduced into the gun, said plug being connected with the lock mechanism and rotated thereby to open the aperture when the hammer is cocked, substantially as described. 3rd. In a rifle or other small arm, the combination, with the lock mechanism, of a plug through which the bullet or projectile is introduced into the gun, said plug being connected by means of a crank arm and link with the cocking lever and thereby rotated to open the aperture when the cocking lever is operated to cock the hammer, substantially as described. 4th. In a rifle or other small arm, the combination of a plug through which the bullet or projectile is introduced into the gun, a cocking lever secured to the said plug, a pin fixed eccentrically in the end of the plug, and a link engaging with the said pin and with the hammer, so that the hammer will be cocked when the plug is rotated to open the aperture, substantially as described. 5th. In a rifle or other small arm, the combination of a hammer wholly contained within the breech, and a cocking lever pivoted to the stock, said lever having a pin for engaging with the hammer to effect the cocking, substantially as described. 6th. In a rifle or other small arm, the combination of a hammer wholly contained within the breech, a cocking lever pivoted to the stock, and a bell crank lever pivoted within the stock, one leg of said bell crank lever being adapted to engage with a recess formed in the hammer, and the other leg being coupled to the cocking lever, substantially as described. 7th. In a rifle or other small arm, the combination, with the cocking lever, the hammer and the trigger of a tail piece formed on the trigger and a sliding block adapted to be automatically moved by the cocking lever when cocking the hammer into a position above the said tail piece, in which position it locks the trigger, substantially as described. 8th. In a rifle or other small arm, the combination with the lock mechanism of a spring lever having two limbs pivoted within the stock, one of said limbs being adapted to engage with and lock the trigger, and the other being adapted to engage with a notch in the hammer and to lock the hammer when so engaged, and a thumb lever for moving the said locking lever out of the locking position, substantially as described. 9th. In a rifle or other small arm, the combination with the lock mechanism of a bifurcated spring lever pivoted within the stock and adapted to engage with and lock both the hammer and the trigger, and a projection formed on the hammer to prevent disengagement of the hammer and locking lever until the hammer is properly cocked, substantially as described. 10th. In a rifle or other small arm, the combination with the cocking lever of lock mechanism having a hammer wholly contained within the breech, said hammer having the rear notches formed on its periphery, substantially as described. 11th. In a rifle or other small arm, the combination of a gun barrel having a coned end, and slots or openings formed in the barrel and plug through which the bullet or projectile is introduced into the barrel, said slots being arranged so that the aperture can be opened and closed by turning the plug, substantially as described. 12th. In a rifle or other small arm, operated by compressed or liquified gas, the combination with the reservoir containing the stored energy, and the lock mechanism of a valve, the face of which is rounded or bevelled off to reduce the area thereof, substantially as described for the purpose specified. 13th. In a rifle or other small arm operated by compressed or liquified gas, the combination with the reservoir containing the stored energy, and with the lock mechanism, of an equilibrium valve operated by the hammer, substantially as described.

No. 43,131. Sewer Ventilator.

(Ventilateur pour égouts.)



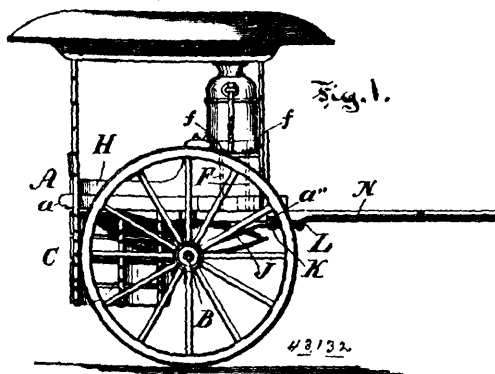
Robert McKenzie, Sydney, New South Wales, Australia, 5th June, 1893; 6 years.

Claim.—1st. In uptake shafts from sewers, a chamber formed within an uptake shaft, in combination with a shell which is capable of being raised to an intense heat by gas or otherwise whereby a draught from the sewer is created, the foul gases that are drawn past the shell, decomposed, and the noxious germs destroyed, as herein specified. 2nd. A perforated shell, provided with a false bottom below which is introduced a gas jet or burner, and filled

with asbestos or other incombustible material, the whole appliance being capable of being brought to an intense heat by the action of the gas burner when lighted, for the purpose of causing an up draught and destroying the foul gases and noxious germs that are thereby drawn from the sewer, as described. 3rd. The combination of an uptake shaft from sewers with a perforated plate or grating having a "Bunsen Burner" placed below it, and asbestos, or other incombustible material above it, the grating and asbestos being capable of being raised to an intense heat by the action of the gas burner, for the purpose of causing an up draught and destroying the foul gases and noxious germs that are thereby drawn from the sewers, as herein specified.

No. 43,132. Two Wheeled Vehicle.

(Voiture à deux roues.)

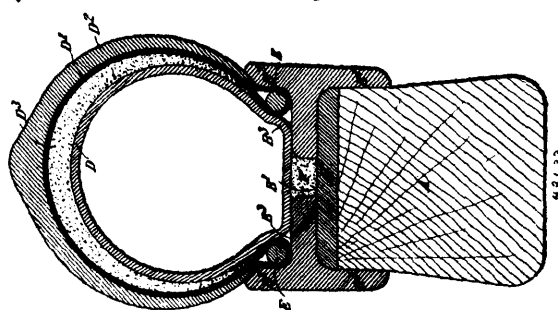


Manly Breaker Boone, Galveston, Texas, U.S.A., 5th June, 1893; 6 years.

Claim.—1st. In a two wheeled vehicle, the combination, with the frame of the vehicle, of a drop box in the rear of the axle, a removable box located in front of the axle, and guides extending the length of the vehicle to convey the box to its place, substantially as set forth. 2nd. In a two wheeled vehicle, the combination, with the frame of the vehicle, of a drop box in the rear of the axle, a removable box located in the front of the axle, guides extending the length of the vehicle to convey the box, and an adjusting device for adjusting the position of the box in front of the axle, substantially as and for the purpose described. 3rd. In a two wheeled vehicle, the combination, with the frame of the vehicle, of a drop box in the rear of the axle, a seat extending centrally the length of the drop box, a removable box located in front of the axle, and guides extending the length of the vehicle to convey the box to its place, substantially as set forth. 4th. In a two wheeled vehicle, the combination, with the frame of the vehicle, of a drop box in the rear of the axle, a seat extending centrally the length of the drop box, a removable box located in front of the axle, guides extending the length of the vehicle to convey the box to its place, and an adjusting device for adjusting the position of the box in front of the axle, substantially as described. 5th. In a two wheeled vehicle, the combination, with the frame of the vehicle, of the axle, the V-shaped axle brace, the loop secured to the front of the frame, the single tree secured to the tongue of the axle brace, the shafts secured to the frame, and the shaft braces secured to the front of the frame and the shafts, substantially as described.

No. 43,133. Wheel for Velocipedes.

(Roue de vélocipèdes.)



The Pneumatic Tyre and Booth's Cycle Agency, Dublin, Ireland, assignee of Charles Kingston Welch, Coventry, England, 5th June, 1893; 6 years.

Claim.—1st. The combination of a pneumatic tyre and a wheel rim formed with a central depression and outwardly extending side flanges, the portion of the said rim between the said central depres-