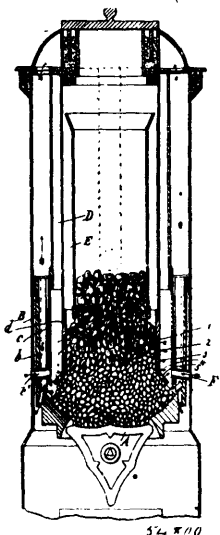
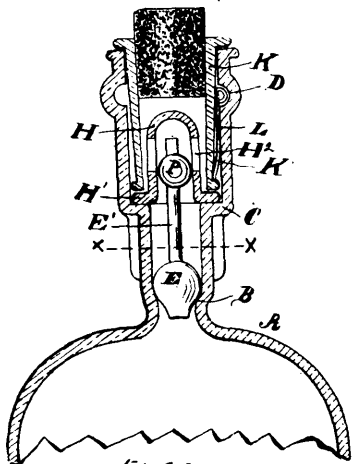


**No. 54,800. Stove or Furnace.** (*Poêle et fournaise.*)

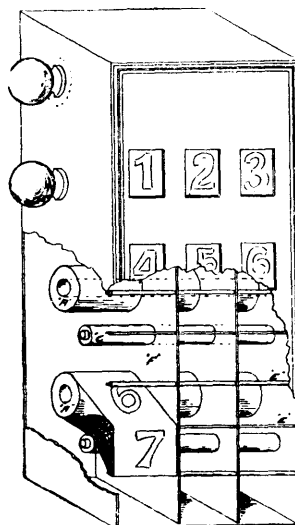
Franz C. Bormann, No. 19 Steintwiete, Hamburg, German Empire, 1st February, 1897; 6 years. (Filed 4th August, 1896.)

*Claim.*—1st. A stove or furnace in which the gases of combustion containing unconsumed particles are led back into the fuel mixed with fresh air containing oxygen, and after passing through the fuel are led below the admission orifices for the fresh air to the chimney flue whereby complete combustion is effected. 2nd. A stove or furnace consisting of two concentric channels D, E, of which the inner one, E, leads the gases containing the unconsumed particles back into the fuel, and in which they mix with fresh air, which enters through air-admission orifices F, the channel D and orifices 1, 2, 3, 4, 5 therein and escape after complete combustion through the exit channel B, C to the outside. 3rd. In a stove or furnace as claimed in claims 1 and 2, a horizontal partition  $d^2$  provided in the channel D, so that the admission of fresh air can only take place through the orifices 1, 2, 3 and the escape of the completely spent gases of combustion takes place under admixture with fresh air entering through the orifices  $d^3$  through the orifices 4, 5, 6 and 7 to the exit channel B C.

**No. 54,801. Bottle Stopper.** (*Bouchon de bouteille.*)

John Goettel, Boston, Massachusetts, U.S.A., 1st February, 1897; 6 years. (Filed 3rd September, 1896.)

*Claim.*—1st. A bottle having a contracted neck to form a valve seat, and provided with flutings immediately above said valve seat, a valve adapted to fit the said valve seat and having a stem extending upward into a thimble, a thimble having openings, and a ball adapted to limit the motion of the said valve and to act as a second valve, a cylindrical locking piece K secured by locking springs L fitting onto the said thimble, substantially as set forth. 2nd. In a bottle stopper the combination with the thimble H having a flange  $H^1$  on its lower edge and openings  $H^2$  in its sides, of the cylindrical locking piece K, having its sides recessed, the said cylindrical locking piece resting on the aforesaid flange  $H^1$  of the thimble H, and the locking springs L, having loops 1 at their upper ends adapted to enter an annular recess formed in the neck of the bottle, the shanks of the said springs L engaging the recessed portion of the said locking piece K, substantially as set forth, and for the purpose specified.

**No. 54,802. Hymn Indicator.** (*Indicateur d'hymnes.*)

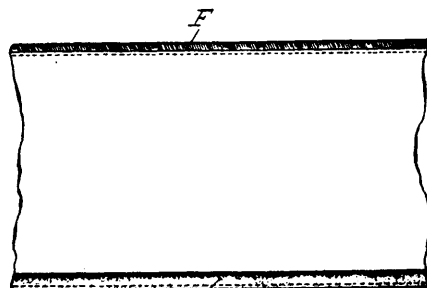
54802

Thomas Boxall and Benjamin Boxall, both of Woodstock, Ontario, Canada, 1st February, 1897; 6 years. (Filed 11th September, 1896.)

*Claim.*—The continuous shaft fitted with pins which when pushed in or out engages the three sets of rollers and allows their being turned backwards and forwards by means of the one shaft, all substantially as set forth.

**No. 54,803. Dress Facing and Skirt Binding System.**

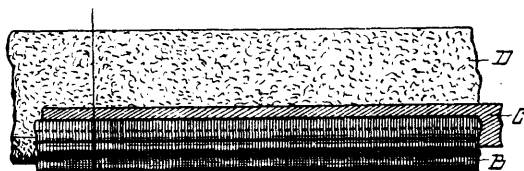
(*Revers de robes et système de bordure de jupes.*)



A 54803

Aaron M. Weber, Oshkosh, Wisconsin, U.S.A., 1st February, 1897; 6 years. (Filed 21st September, 1896.)

*Claim.*—1st. A combined dress facing and binding comprising a facing-strip of bias-cut water-proofed cloth having along its outer face at the lower edge a longitudinally-folded bias-cut water-proofed binding, said binding being secured to the facing with its free edges flush with lower edge thereof, as set forth. 2nd. A combined dress facing and binding comprising a facing-strip of bias-cut water-proofed cloth having along its outer face at the lower edge a longitudinally-folded bias-cut water-proofed binding, said binding being secured to the facing with its free edges flush with the lower edge thereof, said facing having along its inner face at the upper edge a narrow tape, said tape projecting above the edge of the facing, as set forth.

**No. 54,804. Skirt Binding.** (*Bordure de jupes.*)

54804

Aaron M. Weber, Oshkosh, Wisconsin, U.S.A., 1st February, 1897; 6 years. (Filed 21st September, 1896.)

*Claim.*—A skirt-binding, comprising a strip of dress-goods covered on one face with water-proof material, said strip being folded longi-