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## INVENTIONS PATENTED.

NOTE—Patents are granted for 15 years. The term of years for which the fees have been paid, is given after the date of the patent.

### No. 26,118. Evaporating Apparatus. (Appareil Evaporatoire.)

Richard G. Peters, Manister, Mich., U. S., 23th February, 1887; 5 years.

*Claim.*—1st. The combination of the evaporating vessel A, discharge pipe G and discharge tank F, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the evaporating vessel A, the feed pipe J, valve O, float P, heater B and supply tank K, with regulator N, substantially as and for the purpose hereinbefore set forth. 3rd. The combination of evaporating vessel, consisting of an upper dome-shaped section with overflow D, vapor pipe E, two middle sections and bottom cone-shaped section discharge pipe G, discharge tank F, conveyor I for extracting salt from brine, substantially as and for the purpose hereinbefore set forth. 4th. The combination of evaporating vessel, with discharge pipe G, discharge tank F, and conveyor I for extracting the precipitate from any solution, substantially as and for the purpose hereinbefore set forth. 5th. The combination of two evaporating vessels, for double effect, with discharge pipes G and discharge tank F, substantially as and for the purpose hereinbefore set forth. 6th. The combination of three evaporating vessels for triple effect, with discharge pipes G, discharge tank F, substantially as and for the purpose hereinbefore set forth.

### No. 26,119. Process of Making Pure Sulphuric Acid and Strong Sulphuric Acid in one Continuous Operation. (Procédé de Fabrication de l'Acide Sulphurique pur et de l'Acide Sulfurique fort par une Opération Continue.)

William H. Nichols, George H. Nichols and John B. F. Herreshoff, Brooklyn, N.Y., U.S., 7th March, 1887; 5 years.

*Claim.*—The process herein described of treating sulphuric acid, which has been concentrated to a strength of about 95 per cent. H<sub>2</sub>S, O<sub>4</sub>, or certainly over 93.5 per cent. H<sub>2</sub>S, O<sub>4</sub>, which process consist in evaporating a sufficient quantity of said acid to produce from the residue strong acid of 98 per cent. H<sub>2</sub>S, O<sub>4</sub>, and condensing the vaporized acid, so as to produce a pure acid of 93.5 per cent. H<sub>2</sub>S, O<sub>4</sub>, substantially as hereinbefore described.

### No. 26,120. Heating and Ventilating Apparatus. (Appareil de Chauffage et de Ventilation.)

Richard A. Rew, Charles B. Foote, James W. Hull and Benjamin B. Day, Pomeroy, W.T., U.S., 7th March, 1887; 5 years.

*Claim.*—1st. A stove comprising a combustion chamber, a smoke chamber, a plurality of pipes connecting and opening at their opposite ends into said chambers, and a casing having an air inlet, substantially as described. 2nd. The combination of the combustion chamber, a smoke chamber located above the same, connections forming communication between such chambers, a casing and a deflector extended transversely of said casing between the said cham-

bers, and having a central opening, substantially as set forth. 3rd. The combination of an outer wall and top of a stove linings forming the combustion chamber and smoke chamber described, a series of pipes connecting the two chambers and opening at their opposite ends into the same, an intermediate lining between the said lining and wall, an outlet through the lower portion of the wall, substantially as shown and described. 4th. The combination of the outer cylinder provided at its lower end with discharge openings, the inner cylinder located within the outer one and separated therefrom, forming an intermediate air passage, and having an opening at its lower end whereby to admit fresh air, the combination chamber located within the inner cylinder, the top of the stove having openings through which the heated air may be discharged, and a damper whereby to close said openings and direct the air downward and out of the discharge openings at the base of the outer cylinder, substantially as set forth. 5th. In a stove, the combination of the outer and inner cylinders having an intermediate air space, the combustion and smoke chambers located within the inner cylinder pipes connecting and opening at their ends into said chambers, and a deflector plate extended transversely between the walls of the inner cylinder and located between the two said chambers and having a central opening, substantially as set forth. 6th. The combination of the combustion chamber, a casing enclosing the said chamber, and a pipe extended through said casing into and opening within the combustion chamber, whereby air may be admitted thereto, substantially as set forth. 7th. The combination, with the casing and the combustion chamber enclosed within the same, of a pipe extended through the casing into and opening at its inner end within the combustion chamber, and having its lower end extended downward and opening without the casing, such pipe being formed with a trap, substantially as set forth. 8th. In a stove, the combination, with the casing and the combustion chamber, of a water tank, and a pipe extended therefrom, adjacent the combustion chamber and having a discharge, substantially as set forth. 9th. The combination, with the casing and the combustion chamber, of the water tank and a pipe extended therefrom adjacent the combustion chamber, and formed with the upwardly projected wing, the return wing and the discharge portion, substantially as set forth. 10th. The combination, with the combustion chamber, the casing and the water tank, having a pipe extended adjacent the combustion chamber, of a shield adjustably supported, whereby it may be set between the combustion chamber and the said pipe, substantially as set forth.

### No. 26,121. Combined Hopple and Tail Holder. (Chevêtre et Attache-Queue Combinés.)

Russell T. Stokes and William H. Mellen, Garnett, Ks., U. S., 7th March, 1887; 5 years.

*Claim.*—1st. A combined hopple and tail-holder, formed of an inflexible bar, perforated and slotted keeper E, perforated and slotted cap-pieces H, and a cord, rope or strap, substantially as and for the purpose described. 2nd. The combination, in a combined hopple and tail-holder, of the bar A, the cap pieces H having the perforations b and hooks or slots a, with the keeper B having the slot d and perforation c, and a suitable cord, rope or strap, substantially as described. 3rd. A combined hopple and tail holder, consisting of the inflexible bar A, the malleable iron recessed cap-pieces H, having the hooks or slots a, and perforations b, the keeper B rigidly secured to said bar, having the inclined upper surface h, diagonal slot d, guide point e and perforation c, and a suitable cord, rope or strap C, all as and for the purpose set forth. 4th. In a combined hopple and tail holder, the combination of an inflexible bar, having slotted and perforated cap pieces, a keeper having slots and perforations, and a strap or cord whereby the tail of an animal may be secured against its leg, and the bending of the latter prevented, as set forth.

### No. 20,122. Bolt for Carriage Shafts. (Cheville de Limonière de Voiture.)

Joseph T. Martineau, Bergeville, Que., 7th March, 1887; 5 years.

*Réclame.*—Je réclame comme mon invention, la combinaison de la cheville taraudée A, avec les écrous B et C, et la pièce conique F, tel que ci-dessus décrit et pour les fins indiquées.