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INVENTIONS PATENTED.

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

No. 38,377. Brick Kiln. (Four à briques.)

Henry S. Mattlen, Benjamin F. Jones and Henry A. Kent., assignees of John Theodore Cullens, all of Kansas City, Missouri, U. S. A., 1st March, 1892; 5 years.

Claim.—1st. A brick kiln, consisting of a central longitudinal flue B, divided midway of its length by the dead wall or partition E, forming two sections, each of which communicates at its outer end with the horizontal flues C, C, connecting with the lower end of the flues D, communicating with the chimney, substantially as described. 2nd. A brick kiln, having the central longitudinal flue B, divided into sections by dead walls, as described, the longitudinal flues G, parallel with the flue B, and formed by the longitudinal partitions H, said flues G and partitions H being divided into several sections by the transverse walls I, which terminate at the walls on either side of the flue B, transverse flues F, communicating with the several flues G, each flue F, being the outlet of the heat which passes into the section of flues G, and partitions H, between two dead walls or partitions I, said flues F, communicating with the vertical flues F¹, in the side walls of the kiln, which flues F¹, communicate with the chimneys, substantially as and for the purpose set forth and described. 3rd. The combination of the several flues and partitions mentioned, forming the transverse bricks A¹¹¹, the perforated floor of the kiln, substantially as described. 4th. The combination and arrangement of the flues F, and partitions I, placed alternately, the said partitions I, dividing the draft system of the flues G, into sections, each flue F, conveying the heat from its own section to the flues F¹, thence to the open air, substantially as described. 5th. The combination between the perforated floor thus constructed, and the fire boxes J, through the openings K, vertical passages L, connected by dampers N, and openings M, substantially as described. 6th. The combination of a brick kiln, having the fire boxes J, the openings K, vertical passages L, controlled by dampers N, openings M, and the combustion chambers S, communicating with the passages L, by means of the perforated brick R, and with the outer air through the passage T, substantially as described. 7th. In a brick kiln, the fire boxes J, having the vertical passage communicating therewith, the air chambers S, communicating through the perforated bricks R, with said passages L, and the openings O, which the bricks or plugs P, normally occupy, substantially as described. 8th. The combination of the fire boxes J, having the vertical passages L, the air chambers S, communicating therewith, and the flues Z, controlled by the dampers A¹, and formed by the partition Y, in the chimney, communicating with the body of the kiln through the medium of the openings O, and flues I, formed by the brick to be burned, or otherwise, as desired, substantially as described. 9th. The combination of the kiln body provided with the central longitudinal flue B, divided at its middle, the short flues G, parallel therewith,

formed by partitions H, and communicating with the flues F, the intersecting partitions I, and transverse bricks A¹¹¹, forming a perforated floor, said aerial flues communicating with the escape flues D and F¹, a series of furnaces or fire boxes J, communicating with vertical passages L, communicating with the interior of the kiln, the dampers N, in said passage L, by means of which the draft may be cut off and with the removal of the bricks P, from the openings O, and the opening of the damper A¹, be turned in a new direction, substantially as set forth.

No. 38,378. Holder for Air-Brake Hose.

(Porte-tuyau de frein atmosphérique.)

Beery Valve Company, assignees of Samuel Masson Beery, Chicago, Illinois, U. S. A., 1st March, 1892; 5 years.

Claim.—1st. A holder for air-brake hose D, comprising a pair of connected spring-controlled co-operating jaws adapted to embrace the coupling on the hose and close the opening therein, substantially as described. 2nd. A holder for air-brake hose D, comprising, in combination, two pivotal spring-controlled jaws B, and C, provided with heads *p* and *p*¹ formed, respectively, with a boss *o*, to fit the opening in one side of a coupling *m*, and open to engage the projection *m*¹, on the other side thereof, substantially as described. 3rd. In combination with a car and the air-brake hose-section D, thereon having a coupling *m*, a holder A, comprising spring-controlled jaws B and C, adapted to embrace the said coupling and close the opening therein, and a chain *h*, swiveled to one of the handles of the holder and fastened to the car-platform, substantially as and for the purpose set forth. 4th. In combination with a car and the air-brake hose-section D, thereon, having a coupling *m*, a holder A, comprising pivotal jaws B, and C, having a spring *k*, compressed between its handles *l*, and provided with heads *p*, and *p*¹, formed, respectively, with a boss *o*, to fit the opening in one side of the coupling *m*, and annular to engage the projection *m*¹, on the other side thereof, and a chain *h*, having a swiveled connection at one end with one of the handles and fastened at its opposite end to the car platform, substantially as and for the purpose set forth.

No. 38,379. Typograph. (Typographe.)

John Raphael Rogers, Cleveland, Ohio, U. S. A., 3rd March, 1892; 5 years.

Claim.—1st. The combination, with a movable character member carrier having a series of ways, and character members travelling on the latter, of a base on which the assembled character members rest when in alignment, a support which maintains said carrier raised while the character members are assembled so as to clear the latter from said base, and means for removing said support and permitting said carrier to drop to position wherein the assembled character members may rest on said base when in alignment, substantially as set forth. 2nd. The combination, with a movable character member carrier provided with a bearing and having a series of ways, and character members travelling on the latter, of a base on which the assembled character members rest while in alignment, a rock shaft which supports said carrier bearing at different times at different elevations, whereby said carrier may be maintained in position while the character members are assembling so as to clear the latter from said base, and whereby said carrier may be maintained in its lower position after the character members are assembled, so that the latter may rest on said base when aligned, substantially as set forth. 3rd. The combination, with a movable character member carrier provided with a bearing and having a series of ways, and character members travelling on the latter, of a base on which the assembled character members rest when aligned, a rock shaft having two supports for said carrier bearing, said supports projecting different distances