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INVENTIONS PATENTED.

No. 6088. Improvements in the Legs of Stools, Tables, &c.

(Perfectionnements dans les pieds de bancs, tables, etc.)

Cornelius E. Haynes, Boston, Mass., U. S., 17th May, 1876, for 5 years.

Claim.—The semi-detachable leg C, consisting of the piece D, firmly secured to the seat in any suitable manner, and folding piece Cr, the said pieces D, and Cr, being connected together by the fixed or sliding ferrule E, with slot E, and staple F, or their equivalent.

No. 6089. Process for Separating Woollen from Cotton Fibre.

(Procédé pour séparer la laine du coton.)

Louis R. Broadbent and Charles F. Broadbent, Baltimore, Md., U. S., 17th May, 1876, for 5 years.

Claim.—1st. Steeping the fabric in cold water, then boiling it in hydrochloric acid solution of a specific gravity of from 1.015 to 1.19 for from three to twenty-five minutes and withdrawing it; 2nd. The treatment of the woollen fibre, after being withdrawn from the acid bath, in a bath containing cold water, Marseilles soap and ammonia, and subsequently washing in pure water.

No. 6090. Improvements on Plaiting Machines. (Perfectionnements aux machines à plisser.)

Samuel J. Anderson, Cazenovia, N. Y., U. S., 17th May, 1876, for 5 years.

Claim.—1st. The rack or frame d, in combination with the board h, and a blade for forcing the cloth through between the strips g; 2nd. The method of forming plaits by forcing the cloth through spaces and then ironing the plaits down; 3rd. In combination with a rack d, the knife i.

No. 6091. Hair Restorer. (Restaurateur de chevelure.)

James McCormack, Waverley, Iowa, U. S., 23rd May, 1876, for 5 years.

Claim.—The combination of aqua ammonia, sage and burdock mixed.

No. 6092. Binding Rods for Bridge Beams. (Barres d'assemblage des poutres de ponts.)

Peter Bélyen, Sr., Prariton, Ill., U. S., 23rd May, 1876, for 5 years.

Claim.—The binding-rod C, with its securing bolts c, the cap A, and the joist B, with their notches b.

No. 6093. Clothes Ironing Board, (Planche à repasser le linge.)

Adolphe Gibeau, Montreal, Que., 23rd May, 1876, for 5 years.

Résumé.—1o. La combinaison de la rainure B, et la languette D, avec la planche A, et l'élastique C, pour retenir et repasser le devant de la chemise; 2o. La combinaison des montants E, avec entailles F, pour ajuster sur le dos G, de la chaise; 3o. La combinaison de la patte H, attachée avec boutons I, le support L, lié avec couplets M, et la planchette O, avec dents à degrés N, pour supporter le bout de la planche A, se pliant par eux-mêmes ensemble; 4o. La combinaison des goussets P, recevant le bout de la table et des goussets J, s'appuyant sur le siège K, de la chaise, ainsi que la boîte Q, à l'extrémité de la planche A, qui repose sur le bout de la table.

Claim.—1st. The combination of the groove B, and the tongue D, with the board A, and the elastic C, to hold and iron the front of the shirt; 2o. The combination of the uprights E, with the notches F, to adjust upon the back G, of the chair; 3rd. The combination of the crump H, fastened with bolts I,

the support L, connected with the hinges M, and the board O, with graduated teeth N, to support the end of the board A, folding automatically; 4th. The combination of the stays P, receiving the end of the table and of the stays J, supported upon the seat K, of the chair, as well as the box Q, at the extremity of the board A, which rests upon the end of the table.

No. 6094. Improvements on Slide Valves and Pistons. (Perfectionnements aux tiroirs et pistons à vapeur.)

William G. Beattie, London, Eng., 23rd May, 1876, for 5 years.

Claim.—1st. Forming pistons and piston valves and D-valves of two or more sections, or parts with pistons packing rings d, between the said rings d, being held tight in place by means of an internal valve or piston rod e, outer sleeve f, with collars or shoulders g, and nut or nuts; 2nd. Forming pistons in two parts or sections with piston rings d, between the said rings d, being held tight by means of a nut c.

No. 6095. Improvements on Axle Boxes. (Perfectionnements aux boîtes d'essieux.)

William G. Beattie, London, Eng., 23rd May, 1876, for 5 years.

Claim.—1st. The cylinder a, piston b, rod c, with knob d, and aperture e, e, and f, f; 2nd. The valve for supplying axle box with oil consisting of plug g, casing h, and spring the passage through the plug at l, and handle m; 3rd. The combination of diaphragm n, carriers o, o, wicks p, p, spiral springs and perforations r, r, in an axle box; 4th. The employment of shields for preventing the entry of dust to, or the escape of oil, from axle boxes.

No. 6096. Improvements on Ejector Condensers. (Perfectionnements aux condensateurs éjecteurs.)

James F. Guthrie, Sumerville, Mass., U. S., 23rd May, 1876, for 5 years.

Claim.—1st. The adjustable nozzle D, in combination with the combining nozzle F, and the induction tube G; 2nd. The stuffing box E, attached to the central adjustable nozzle D; 3rd. A hand hole H, through which the adjustable nozzle D, is regulated.

No. 6097. Improvements on Steam Boilers. (Perfectionnements aux chaudières à vapeur.)

Henry F. King, Corry, Pa., U. S., 23rd May, 1876, for 5 years.

Claim.—1st. The upright water back A, having a series of vertical stay plates g, forming the water passage d, in combination with the blind tubes B; 2nd. A wrought iron boiler, an upright water back A, having a series of stay-bolts passing through it, in combination with the plates g, and blind-tubes B.

No. 6098. Puddling Furnace. (Fourneau à réverbère.)

Ananias Smith, Clifton, Ont., 23rd May, 1876, for 5 years.

Claim.—1st. The combination of a puddling or reverberatory furnace A, with one or more combustion chambers B, having passages B₁, leading thereto and adapted for the combustion of liquid fuel; 2nd. The combination of a puddling furnace A, one or more combustion chambers B, adjacent thereto, one or more pipes for supplying the liquid fuel, steam or vapour and a suitable tank N, and steam boiler K, for holding and forcing the same; 3rd. A puddling furnace A, in combination with combustion chambers B, arranged on one or more sides, and chimneys or take ups H, arranged on two or more corners of the same, with flue entrances at or near the base.

No. 6099. Plate-Lifter. (Porte-assiette.)

Daniel M. Skinner and Ezra Gould, Sandwich, N. H., U. S., 23rd May, 1876, for 5 years.

Claim.—The combination of the jaws A, A, and their shanks and hand-
parts a, a, with the intermediate shank-clasp and plate supporter B, all being composed of wire bent.

No. 6100. Safety Lock for Houses of Detention. (Serrure de sûreté pour les maisons de détention.)

Joseph A. Quesnel, Arthabaskaville, Que., 23rd May, 1876, for 5 years.

Résumé.—1o. La combinaison de la détente M, avec le pêne supérieur J, pour le retenir à l'intérieur de la serrure; 2o. La combinaison de la détente M, et du pêne supérieur J, ayant l'entaille a, de la gorge b, avec la clef du pêne supérieur J, pour la retenir engagée et dormante dans la serrure lorsqu'on ouvre la porte d'une cellule; 3o. La combinaison du pêne inférieur