

No. 2526. JACOB GROBB, Clinton, Ont., 24th July, 1873, for 5 years: "Gate Attachment." (Disposition de barrière.)

The gate can be opened and shut by a person driving without his alighting from the carriage.

Claim.—The combination of the bars *b*, *b*₁, rod *c*, slides or spring bolt *d*, wire or chain *e*, pulleys *h*, *j*, *k*, *h*₁, *j*₁, *k*₁, suspended from the posts *g*, *g*₁, together with the rope or chain, connected with the bars *b*, *b*₁, passing through the pulleys *h*, *j*, *k*, and *k*₁, *j*₁, *k*₁, the whole being used in the manner described.

No. 2527. ELISHA L. MILLS & CHARLES H. WALTERS, (Assignees of John W. McGlashan,) Montreal, Que., 24th July, 1873, for 5 years: "A Folding-down Stake for Railway Platform Cars." (Une ridelle pliante pour les voitures plates de chemins de fer.)

For the purpose of causing the cars to lock automatically when placed in an upright position, also to be held by their own gravity horizontally.

Claim.—1st. The bracket *h*, and pawl *i*, so attached to the car above the centre *d*, that the stake *b*, shall abut against it either when raised vertically or when folded down; 2nd. The bolt *i*, attaching the pawl *g*, and bracket *h*, to the frame *a*, in combination with the pawl bed *f*, and holding the stake vertically; 3rd. The pawl bed *f*, in combination with the stake *b*; 4th. The combination of the frame *a*, stake *b*, bolt *d*, pawl *i*, bed *f*, pawl *g*, bracket *h*, bolt *i*, and flange *k*, all working together as described.

No. 2528. THOMAS SIMMONS, ALBERT CLEMEN & CHARLES T. CLEMEN, Halifax, N. S., 24th July, 1873, for 5 years: "A Gas Burner." (Un bec à gaz.)

Claim.—1st. The burner *A*, having a chamber or retort *D*, above the outlets *F*, and provided with projecting rings notched to form air ducts *H*, *I*, and air inductor *G*, in combination with the superheater *J*, and regulating needle valve operating substantially as and for the purpose set forth; 2nd. The application to a burner *A*, constructed as set forth of an air inductor *G*, as specified.

No. 2529. JAMES MCGILL, (Assignee of Charles Lehmann,) Montreal, Que., 24th July, 1873, for 5 years: "A Soap Crutcher." (Un boudoir à savon.)

Claim.—A machine for stirring soap, and other materials, the arrangement of two sets of stirring blades *D*, *E*, alternating with each other, and set to incline in opposite directions, each of said blades being provided with holes *a*, *b*, in combination with a central shaft *B*, to impart motion to one or both sets of stirring blades, and with squeezing inclines secured to a bridge *c*, extending across the top of the tub which incloses the entire mechanism.

No. 2530. WILLIAM H. FORAN, Boston, Mass., U. S., 24th July, 1873, for 5 years: "A Fire-proof Paint." (Une peinture incombustible.)

Claim.—A composition composed of coal-tar linseed oil, dead oil gum tragacanth and soda ash, the whole prepared as stated.

No. 2531. CLIFTON D. HUNTER & ERASTUS S. WOOD, Marlborough, Mass., U. S., 24th July, 1873, for 5 years: "An Inhaler." (Un inhalateur.)

Claim.—1st. The valve *d*, in combination with the exhaust tube *C*, inlet tube *b*, stopper *B*, and main receptacle *A*, operating in the manner described; 2nd. The stopper *B*, provided with a cavity or recess for the reception of the said vessel *c*; 3rd. The stopper *B*, provided with a groove *h*, for the reception of the upper portion *10*, of the inlet tube *b*, when forced down, the inlet tube being so constructed and arranged that it may close the exhaust passage and prevent the leakage or escape of the medicated liquid from the main receptacle, when tipped or inverted as described; 4th. The band *i*, in combination with the acid embedded in the stopper *B*, and the inlet tube *b*; 5th. The inlet tube *b*, provided with a valve *m*; 6th. In combination with the main receptacle stopper, exhaust tube and inlet tube of an inhaler, a valve so constructed and applied as to open outward on blowing into the exhaust tube, whereby the air is allowed to escape, and is prevented from exerting a pressure upon the liquid in the main receptacle.

No. 2532. WILLIAM GRIFFITH, Toronto, Ont., 24th July, 1873, for 5 years: "A Lock." (Une serrure.)

Claim.—1st. The combination of the bolt *E*, and bolt lever *D*, the latter fitting into circular recesses in the former as described; 2nd. The combination of the pawl *F*, and pin *f*, working in a slot in the sliding block *G*; 3rd. The combination of the square axle *C*, hubs *H*, plates *A*, and *a*.

No. 2533. JOHN BOYD, Antigonish, N. S., 24th July, 1873, for 5 years: "A Steam Cooking Stove." (Un poêle de cuisine à vapeur.)

Claim.—1st. The combination of the stand *A*, with the moveable fire basket *D*; 2nd. The combination of the oil reservoir *f*, and water reservoir *e*, arranged so that water is admitted within the oil reservoir *f*, as required to keep the oil well up against its top in order to prevent the generation of gas; 3rd. The case *B*, over *d*, false bottom *b*, stand *A*, and lamp *E*, arranged in combination with each other as specified; 4th. The combination of one or more drawers *I*, and *J*, hot reservoir *t*, casing *C*, and *B*, false bottom *b*, arranged in combination with the stand *A*, and lamp *E*; 5th. The cold air pipe *M*, in combination with the condensing chamber formed between the top *K*, and cover *L*.

No. 2534. WARREN R. EVANS, Lynn, Mass., U. S., 24th July, 1873, for 5 years: "A Repeating Gun." (Un fusil à répétition.)

Consists in a magazine to contain the cartridges and to present them to the breach of the fire-arm; also in a lock to operate the magazine, load the piece, remove the case of the exploded cartridge, and discharge the cartridge newly supplied to the barrel.

Claim.—1st. The combination of the fluted shaft *c*, which has one or more grooves or flutings and the fixed spiral thread or wire *b*; 2nd. The combination of the lever (Fig. 5) and its point *t*, with the rotating fluted shaft; 3rd. The method of operating the magazine by the lever (Fig. 5), and the breech block (Fig. 4); 4th. The hammer (Fig. 3) made and operating as described in connection with the slotted breech block (Figs. 4 and 6) and the main spring; 5th. The breech block (Figs. 4 and 6) having the part *J*, and the two walls with a space between the same and the slot *q*; 6th. The combination of the retractor *W*, pivoted to one side of the breech block and the spring *X*; 7th. The combination of the trigger *O*, having the shoulder *n*, to operate in combination with the shoulder *m*, of the hammer (Fig. 3); 8th. The combination of the hammer (Fig. 3) with the breech block and arranged within the same as described and trigger *O*; 9th. The breech block (Fig. 4) when constructed with the slot *q*, as set forth.

No. 2535. LYMAN LITCHFIELD, Gouverneur, N. Y., U. S., 24th July, 1873, for 5 years: "A Horse Rake." (Un rateau à cheval.)

Claim.—1st. The combination of the lever *A*, wheel or quadrant *B*, pitmans *C*, *D*, and arm *E*, with the bar *G*, and the rake frame for lifting the teeth simultaneously; 2nd. In providing the wheel or quadrant *B*, with a foot-rest *E*; 3rd. In constructing the sockets *H*, with hooked arms *J*, and the application and arrangement of the bar *G*; 4th. In forming the teeth sockets *H*, with diagonal intersecting lugs, for securing the teeth by the grip of the metal cast thereon, at the two points or places as described.

No. 2536. GEDEON BASTIEN & PIERRE VALOIS, Ste. Scholastique, Que., 24th July, 1873, for 5 years: "A Washing Machine." (Une machine à laver.)

Claim.—1o. Une blanchisseuse mécanique, les deux blocs cannelés *Q*; 2o. Les encoches *S*, des bras *P*, qui permettent de retirer ou repousser les blocs cannelés *Q*, à la demande du linge à laver; 3o. La combinaison de la manivelle *D*, des brelles *K*, et des balanciers *M*, pour donner le mouvement de va-et-vient aux blocs cannelés *Q*; 4o. La combinaison des roues d'air *J*, *J*, pour diminuer la friction du mécanisme; 5o. La combinaison de la blanchisseuse mécanique et de son mécanisme tel que décrit.

No. 2537. PIERRE VALOIS & GEDEON BASTIEN, Ste. Scholastique, Que., 24th July, 1873, for 5 years: "A Washing Machine." (Une machine à laver.)

Claim.—Une blanchisseuse mécanique, la combinaison d'un poids de gravitation *N*₁, fixé à la roue d'air *N*, pour aider à son mouvement de rotation et celui de la machine, tel que décrit.

No. 2538. JOHN HUNT, Glenwilliams, Ont., 24th July, 1873, for 5 years: "An Easy Lounge." (Une chaise longue.)

Claim.—The adjustable top with the combination of the sections *B*, *C*, *D*, and *E*, by means of the hinges *F*, *F*, *F*, the brace *G*, and the notches *H*, *H*, *H*.

No. 2539. GEORGE H. CHINNOCK, Brooklyn, N. Y., U. S., 24th July, 1873, for 15 years: "A Sheet Metal Can." (Un bidon en métal.)

Relates to that class of hermetically sealed cans used for holding paint, preserved fruits, condensed milk and other substances.

Claim.—1st. The strip *C*, soldered to the lower edge of the flanch *F*, and to the upper edge of the can and furnished with the extension *A*; 2nd. The arrangement with reference to the flanch *f*, of the cover *B*, and the circumferential edge of the can of the groove *e*, and the rabbit *c*, provided respectively upon the said flanch and edge; 3rd. The circumferential groove *a*, provided at the edge of the can, and in relation to the flanch of the cover and the over-