

No. 40,512. Packing Case. (*Boîte d'emballage.*)

Jessie A. Jones, Beeton, and John B. Magwin, Toronto, assignees of David A. Jones, Beeton, all in Ontario, Canada, 1st October, 1892; 6 years.

Claim.—As an improved article of manufacture, a box having a stiff frame, the sides of the box being formed by layers of veneer separated by layers of water proof material, the grain of the sheet of the veneer running in different directions, substantially as and for the purpose described.

No. 40,513. Antiseptic. (*Antiseptique.*)

Emma Farren, Paterson, New Jersey, U.S.A., 1st October, 1892; 6 years.

Claim.—The herein described combination of ingredients, consisting of rue, rosemary, mint, lavender, sage, wormwood, camphor, and cider vinegar, in the proportions and for the purposes specified.

No. 40,514. Work Holder and Safety Guard for Wood Cutting and Similar Machines. (*Porte-ouvrage et garde de sûreté pour machines à découper le bois.*)

John Charles Thom and Martin Campbell, both of Cincinnati, Ohio, U.S.A., 1st October, 1892; 6 years.

Claim.—1st. A work holder suitable for use in connection with machines of the kind described, consisting substantially of an upright frame secured to the table of the said machine, and having a laterally extending arm reaching out over the work and adapted to hold the same down with its free end, all as substantially shown and described. 2nd. A safety guard suitable for use in connection with machines of the kind described, consisting substantially of a block interposed between the operator's hands and the cutter head, covering and extending over a portion of the circular path of the revolving knives, all as substantially shown and described. 3rd. A safety guard suitable for use in connection with machines of the kind described, consisting substantially of a block interposed between the operator's hands and the cutter head, covering and extending over a portion of the circular path of the revolving knives, and also reaching down in front and somewhat below the upper edges of the latter, all as substantially shown and described. 4th. A work holder suitable for use in connection with machines of the kind described, consisting of an upright frame secured to the table of the said machine, an arm adjustably secured to this frame, extending laterally therefrom and reaching out over the work, adapted to hold the same down with its free end, all as substantially shown and described. 5th. A combined work holder and safety guard for use as described, consisting of an upright frame secured to the table of the machine, having an arm secured to it and extending laterally therefrom and reaching out over the work and adapted to hold the same down, and the safety guard secured to the free end of this arm and placed between the operator's hands and the knives, all as substantially shown and described. 6th. A work holder, suitable for use as described, consisting of an upright frame whereon it is supported, a slide adjustably secured to this frame, a screw passing through this slide and constituting the means whereby the same is vertically adjusted, an arm secured to this slide and reaching out over the work and adapted to hold the same down with its free end, all as substantially shown and described. 7th. A combined work holder and safety guard for use as described, consisting of an upright frame whereon the whole is supported, a slide adjustably secured to this frame, a screw passing through this slide and constituting the means whereby the same is vertically adjusted, an arm secured to this slide and reaching out over the work and adapted to hold the same down, and the safety guard attachment secured to the free end of this arm and placed between the operator's hands and the knives, all as substantially shown and described. 8th. A work holder for use as described, consisting of an upright frame whereon it is supported, a slide adjustably secured to this frame, an arm secured to the slide and reaching out over the work and adapted to hold the same down with its free end, and means to adjust this arm horizontally on this slide, all as substantially shown and described. 9th. A combined work holder and safety guard for use as described, consisting of an upright frame whereon the whole is supported, a vertically adjustable slide secured to this frame, an arm connected to the slide reaching out over the work and adapted to hold the same down, a safety guard attachment secured to the free end of this arm and placed between the operator's hands and the revolving bits, a screw confined longitudinally on this

slide, a nut 32 medially connected to the safety attachment, by which means the same may be horizontally adjusted, all as substantially shown and described. 12th. A work holder for use as described, consisting of an upright frame whereon it is supported, a slide secured to the same, a screw passing through this slide and whereby the same is vertically adjusted, an arm secured to the slide and reaching out over the work and adapted to hold the same down with its free end, and means to adjust it horizontally on the slide, all as substantially shown and described. 13th. A combined work holder and safety guard, consisting of an upright frame whereon it is supported, a slide secured to the same, a screw passing through the slide serving to adjust it vertically, an arm affixed to the slide reaching out over the work and adapted to hold down the same, a safety attachment secured to the free end of this arm and so located as to be between the operator's hands and the bits, and means whereby this safety guard attachment may be horizontally adjusted, all as substantially shown and described. 14th. A combined work holder and safety guard attachment for use as described, consisting of an upright frame whereon it is supported, said frame being provided with extensions 41, serving to deflect the chips and prevent their accumulation on the table, an arm secured to the frame and extending laterally from it, reaching out over the work and adapted to hold the same down, and the safety guard attachment secured to the free end of the arm and located between the operator's hands and the knives, all as substantially shown and described.

No. 40,515. Machine for Preparing Vegetable Fibres.

(*Machine pour préparer les fibres végétales.*)

Alexander Morison, Alpena, Michigan, U.S.A., 1st October, 1892; 6 years.

Claim.—1st. In a machine for cleaning flax or other vegetable fibre, the combination of the vertically acting jaws 9, 10, with a fixed jaw or surface, substantially as described. 2nd. In a machine for cleaning flax or other vegetable fibre, the combination of the vertically acting crushing jaws with the feed chains 2, 2 and 3, substantially as shown. 3rd. In a machine for cleaning flax or other vegetable fibre, the combination of the feed chain 3, with the carrier bar 6, and the pressure bar 5, and springs 7, 8, substantially as described. 4th. In a machine for cleaning flax or other vegetable fibre, the combination of knives 43, cone-frustum and supporting band 44, and guard casing 37, forming scutchers, substantially as described. 5th. In a machine for cleaning flax or other vegetable fibre, the combination of chains 45, 46, shaft 35 and sprocket wheels 47, 48, 49, 50 and 51 and their hidden duplicates, with scutchers 39, 40, 41, 42, operating substantially as represented and described. 6th. The combination of the ratchet wheel 24, screw 32, pitman 29, 30, arms 27, 28, clasps 25, 26, with their inclosed dogs, shaft 31, and eccentric 33, substantially as described. 7th. In a machine for cleaning flax or other vegetable fibre, the scutchler blade figure 6 having a dull anterior edge 53, and concave surface 54, a posterior combing edge 55, substantially as shown. 8th. In a machine for cleaning flax or other vegetable fibre, the combination of the feed chains 2, 2, carrier chain 3, jaws, 9, 10, carrier bar 6, pressure bar 5, grooved wheel 20, sprocket wheel 23, ratchet wheel 24, clasps 25, 26, arms 27, 28, pitman 29, 30, shaft 31, screw 32, eccentric 33, shaft 35, chains 45, 46, and scutchers 39, 40, 41, 42, substantially as and for the purposes represented and described.

No. 40,516. Governor for Gas Engines.

(*Gouverneur pour machines à gaz.*)

William Samuel Sharpneck, Chicago, Illinois, U.S.A., 1st October, 1892; 6 years.

Claim.—1st. A governor having two pistons, the first of which operates on the air between the two, and a spring governor rod operating on the second piston against the action of the first, substantially as described. 2nd. A governor having two pistons, an eccentric for operating one of them, a spring governor rod for operating the second piston in one direction, and a cam for operating the governor rod, substantially as described. 3rd. A governor having two pistons, an eccentric for operating one of them, a spring governor rod for operating the second piston in one direction, a valve operated by the governor rod, and a cam for operating the same, substantially as described. 4th. The combination, in a gas engine governor, of a cylinder F, a reciprocating piston E working therein, a cylinder G, a piston H set therein, a spring rod I connected with said piston H, a cam for giving said rod a longitudinal motion, and valve M connected with the governor rod, substantially as described. 5th. The combination, in a gas engine governor, of a cylinder F, a piston E working therein, an eccentric and connection for operating said piston E, a cylinder G connected with the cylinder F, a piston set therein and having rollers *h*, a spring rod I passing between said rollers, a valve M connected with said spring rod, and a cam C for operating the same, substantially as described.

No. 40,517. Car Coupler. (*Attelage de chars.*)

Mark M. Decker, New York, State of New York, U.S.A., 1st October, 1892; 6 years.

Claim.—1st. A car coupling, which consists of a swinging locking jaw pivoted in a bifurcated draw head provided with inclines whereby said swinging jaw is raised and turned into the locked position, a projecting shoulder behind which the locking jaw falls to