

**No. 18,763. Fire-Escape.** (*Sauveteur d'Incendie.*)

Oscar F. Davis, Topeka, Ks., U. S., 3rd March, 1884; 5 years.  
*Claim.*—1st. The combination, in a friction-box B, of the posts L, with the friction shoulders P, P', P'', P''', brake-blocks N, N', opposing shoulders M, O and Mr. Or, handles F, Fr, springs D, Di, ears E, Et and small screws I, all constructed and operating as and for the purpose hereinbefore described. 2nd. The combination of the friction-box B, constructed as described, in combination with the rope A having looped ends Ar, seat strap K, back strap Kl, off-holding wire k, all constructed as and for the purpose hereinbefore described. 3rd. The combination of the friction-box B and its attachments, as already described, with the support-hook Q, constructed and operating as and for the purpose hereinbefore described.

**No. 18,764. Electric Cable or Conductor.**

(*Câble ou Conducteur Electrique.*)

Louis A. F. Herrmann, Paris, France, 3rd March, 1884; 15 years.  
*Claim.*—1st. An electric conductor or cable, consisting in the combination, with the conducting wire or wires, of bead-like lengths, pieces or cylinders of insulating material strung thereon, and of an outer tubular covering (conducting or otherwise) enclosing said bead-like pieces, so as to permit the free circulation of a gas or liquid, substantially as shown and described. 2nd. The modes of splicing the cables hereinbefore specified, substantially as shown in the drawings. 3rd. The grouping of a number of wires or cables in the same envelope, each having bead-like lengths of insulating material strung upon it, substantially as described.

**No. 18,765. Combined Wardrobe and Bedstead.** (*Garde-Robe et Lit Combinés.*)

Robert M. Huston, Toronto, Ont., 3rd March, 1884; 5 years.  
*Claim.*—1st. In a combined wardrobe and bedstead in which the bedstead is designed to fold into the wardrobe when not in use, the pivot pins b fixed to the wardrobe, in combination with slanting grooves c made on the side boards F, of the bedstead, substantially as and for the purpose specified. 2nd. In a combined wardrobe and bedstead in which the bedstead is designed to fold into the wardrobe when not in use, the pivot pins b fixed to the wardrobe, in combination with the slanting-grooves c made on the side boards F, and having curved ends f, substantially as and for the purpose specified. 3rd. In a combined wardrobe and bedstead in which the bedstead is designed to fold into the wardrobe when not in use, the combination of hinges C hinged to the front of the wardrobe, the head board D hinged to the top of the bedstead, and the bottom panel E hinged to the bottom side of the head end of the bedstead, the whole being arranged substantially as and for the purpose specified. 4th. In a combined wardrobe and bedstead in which the bedstead is designed to fold into the wardrobe when not in use, the combination of a bedstead having head and foot boards with hinged legs, all being arranged to fold into small compass when the bedstead is to be closed into the wardrobe.

**No. 18,766. Cartridge Reloading Machine.**

(*Machine à Recharger les Cartouches.*)

Frederick A. Winter, Thomson, Ga., U. S., 3rd March, 1884; 5 years.  
*Claim.*—1st. The combination, in a cartridge-loader, of the inter-mingling rotating cell disk b, base a and a rammer i, the said cell and said base having the cap groove p, substantially as described. 2nd. In a cartridge-loader, the combination of the crown-wheel j, supported on suitable bearings and having pointed and oblique teeth j on its upper surface, and the lever j pivoted to the upright post q, and crown-wheel teeth being arranged in relation to each other, whereby the lever, working vertically to actuate the rammer, turns the disk horizontally as described. 3rd. In a cartridge-loader, the pawl u attached thereto, and the obliquely toothed horizontal feed wheel v suitably supported, combined and arranged, substantially as described, to feed said wheel horizontally by the vertically-working lever. 4th. In a cartridge-loader, the combination, with the feed-wheel j, suitably supported and provided with oblique teeth v, and the lever j pivoted to the post q, of the jointed pawl u adjustably secured to the said lever and having shoulder w at its joint, substantially as herein shown and described. 5th. In a cartridge-loader, the combination, with the tilting cartridge stud g, of the crimping dies i, j, provided with the crimping ribs m, l and the lever k, substantially as herein shown and described. 6th. In a cartridge loader, the combination of the socket p' provided with the aperture n in its bottom, and arranged in front of the crimping dies, the lever k' carrying one die and pivoted to the head-piece of the other of said dies, and the push-rod q' pivoted to the lever k' above the cartridge supporting, capping and crimping the cartridge, substantially as herein shown and described. 7th. In a cartridge-loader, the combination, with the crimping-lever k arranged to project over the cartridge-recesses n, and the pivot-stud u, of the uncapping pusher q' provided with the loops o fitting into the side recesses and over the pivot-can be held to the crimping lever when not in use, as set forth. 8th. In a cartridge-loader, the combination, with the cartridge-holding post, and the charging flasks a, b, pivoted between said supports, substantially as herein shown and described. 9th. In a cartridge-loader, the combination, with a wad-seater or ball rammer on which a rack is formed, of a segmental rack engaging with the rack on the wad-seater and secured on a pivoted lever, substantially as herein shown and described. 10th. In a cartridge-loader, the combination, with an automatic shifting device, of a shell disk and of a wad-seating device or ball-rammer, substantially as herein shown and described. 11th. In a cartridge-loader, the combination, with a ratchet wheel

on the central shaft c, of a pawl engaging with the ratchet wheel, a pivoted lever and means for operating the pawl from the said pivoted lever, substantially as herein shown and described. 12th. In a cartridge loader, the combination, with the fork M, of the pawl O, the lever F and the ratchet wheel N on the central shaft c, substantially as herein shown and described. 13th. In a cartridge loader, the combination, with the fork M, of the lever F, the ratchet wheel N, the block S, the pawl O and means for adjusting the block S on the fork M, substantially as herein shown and described. 14th. In a cartridge loader, the combination, with the fork M, of the lever F, the ratchet wheel N, the block S, the pawl O, and the screw T passing through the end of the fork and through the block S, for the purpose of adjusting the block on the fork, substantially as herein shown and described.

**No. 18,767. Hen House.** (*Poulailler.*)

Samuel Rawson, Peoria, Ill., U. S., 3rd March, 1884; 5 years.  
*Claim.*—The device for automatically closing and opening the door, consisting of the treadle T, pulleys t, v, w and x, the hinged arms N and P, and the cord s at its respective ends to opposite end of the tilting treadle and carried around the said pulleys, which are located above the entrance passage, substantially as specified.

**No. 18,768. Feathering Paddle Wheel.**

(*Roue à Palettes Articulées.*)

Christian L. Peterson, Boston, Mass., U. S., 3rd March, 1884; 5 years.  
*Claim.*—1st. The feathering paddle wheel, herein shown and described, consisting of the frames A secured on shaft B, and blades D hinged at their inner edges, and adapted to be held to their work by the rods F, placed radially beyond the pivots of the blades and near their outer edges, substantially as shown and described. 2nd. In a feathering paddle wheel, the blades D hinged at their inner edges and adapted to act against stops near their outer edges, substantially as shown and described.

**No. 18,769. Electro-Magnetic Retarding Device in Electric Lamps, &c.** (*Appareil Electro-Magnétique de Recul pour Lampes Electriques, &c.*)

Elihu Thomson, Lynn, Mass., U.S., 3rd March, 1884; 5 years.  
*Claim.*—1st. The combination of a clamp, clutch or detent, an actuating electro-magnet therefor, and means for closing a derived or shunt circuit around said magnet automatically, at the instant that the parts of the clamp, clutch, or detent are brought into engagement. 2nd. An automatic retardation feed device, consisting of a clamp, clutch, or detent, an actuating electro-magnet therefor, and a shunt or derived circuit to said electro-magnet formed through the surface of engagement of the clamp, clutch, or detent. 3rd. The combination of a friction-wheel, a clamp engaging with, and controlling the movement thereof, an actuating electro-magnet for said clamp, and a shunt or derived circuit around said electro-magnet formed through the surface of engagement of the clamp and wheel. 4th. An automatic retardation feed device consisting of a clamp, clutch, or detent, and an actuating electro-magnet therefor, having a shunt, or derived circuit, through the surface of engagement of the clamp, clutch, or detent. 5th. The combination of a friction-wheel, a clamp engaging with, and controlling the movement thereof, an actuating electro-magnet and a shunt or derived circuit through the surface of engagement of the clamp and wheel. 6th. The combination, substantially as described, of a friction-wheel, a carbon-carrier connected thereto, a clutch device acting upon the friction wheel, an electro-magnet in circuit with the carbon and operating the clutch, and a derived circuit around said electro-magnet, a portion of which circuit is through the frictional contact-surface of the clutch and wheel. 7th. The combination of a carbon-carrier, a clutch, or clamp, actuated by an electro-magnet in the main circuit, an electro-magnet in a derived circuit around the arc, a variable resistance device actuated thereby, and a shunt or derived circuit around the clamp electro-magnet, said circuit including the variable resistance and the surfaces of engagement of the clamp. 8th. The combination, with the feed-controlling electro-magnet and the clutch mechanism actuated thereby, of a derived or shunt circuit passing through a variable resistance automatically controlled in accordance with the length of the arc, and through the surfaces of engagement of the clamp mechanism.

**No. 18,770. Color Printing Press.**

(*Presse à Imprimer en Couleurs.*)

Henry P. Feister, Philadelphia, Pa., U. S., 3rd March, 1884; 5 years.  
*Claim.*—1st. In a printing press, two oscillating heads, one of which is provided with a series of forms of type, and the other with corresponding make-readies, in combination with automatic mechanism, substantially as described, to oscillate said heads to and from each other and mechanism, substantially as described, to automatically and successively bring said type forms and their corresponding make-readies into printing register. 2nd. In a printing press, two oscillating heads, one of which is provided with type forms, and the other with corresponding make-readies, in combination with mechanism, substantially as described, to oscillate both of said heads to and from each other, and a stationary double frisket arranged between said heads, and through which the paper to be printed is fed. 3rd. In a printing press, two oscillating heads, one of which is provided with a series of type forms, and the other with corresponding make-readies, in combination with automatic mechanism, substantially as described, to oscillate said heads to and from each other, and their corresponding make-readies into printing register, a stationary double frisket arranged between said heads, and through which the paper to be printed is fed, and an inking mechanism, substantially as described, to ink said type forms. 4th. In a printing press, the combination of heads C, C', journaled in oscillating arms D, D', and respectively carrying type forms C<sup>2</sup> and make-readies C<sup>3</sup>, means, substantially as de-