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## RECORD




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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. 35,538. Case for Instruments and Medicine. (*Coffre pour instruments et médicaments.*)

Pleasant Austen Lilly, Irvine, Kentucky, U.S.A., 2nd December, 1890; 5 years.

*Claim.*—1st. In an instrument case, a rigid central partition having recesses as *a*, for the reception and protection of instruments, substantially as described. 2nd. In an instrument case, the combination of the case having rigid end walls and central partition, and a compartment *A*<sup>3</sup> formed by an extension of said partition, substantially as described. 3rd. An instrument case consisting of the side *C*, pocket *C*<sup>1</sup>, bottom *A*, end walls *A*<sup>1</sup>, partition *A*<sup>2</sup>, having the loops *a* and *a*<sup>1</sup>, and the recesses *a*<sup>2</sup>, receptacle *A*<sup>3</sup>, side *B*, padded as described, loops *B*<sup>2</sup>, cushion *B*<sup>3</sup>, flaps *B*<sup>2</sup>, top *D*, and flap *D*<sup>1</sup>, substantially as described. 4th. In an instrument case, a case having rigid end walls and a central partition, with a compartment *A*<sup>3</sup>, which is an extension of said partition, and spaced for the reception and retention of a capsule box, one end of said compartment being formed by a portion of one of the rigid end walls of the case, substantially as described.

#### No. 35,539. Scaffold. (*Echaffaud.*)

John Downie, Vancouver, British Columbia, Canada, 2nd December, 1890; 5 years.

*Claim.*—1st. In a scaffold, the combination of the posts *A*, having rabbits *a*, and provided with bolts *B*<sup>1</sup> and braces *B*, having slots near the ends adapted to engage the bolts *B*<sup>1</sup>, substantially as set forth. 2nd. In a scaffold, the combination of the posts *A*, having rabbits *a*, adjustable braces *B*, secured to said posts, collars *I*, sliding upon said posts and provided with thumbscrews *i* and lugs *i*<sup>1</sup>, supporting stays and the stays *I*<sup>1</sup>, secured to said lugs and provided with fastenings *i*<sup>2</sup>, substantially as set forth. 3rd. In a scaffold, the combination of the posts *A*, having rabbits *a*, adjustable braces *B*, secured to said posts, brackets *C*, secured slidably to said posts, angle plates *C*<sup>1</sup>, secured to said brackets by the lips *c*<sup>1</sup>, and having friction rollers *c*<sup>2</sup>, and the feet of brackets *D*, secured to said brackets by the branches *d* and *d*<sup>1</sup>, provided with friction rollers adapted to run in the rabbits *a*, substantially as set forth. 4th. In a scaffold, the combination of the posts *A*, having rabbits *a*, brackets *C*, having angle plates *C*<sup>1</sup>, brackets *D*, secured to the upper part and right angle of the bracket *C*, and having branches *d*, *d*<sup>1</sup>, and friction rollers *d*<sup>2</sup>, adapted to run in the rabbit *a*, the upper parts *D*<sup>1</sup>, having shaft *E*, journaled in said shaft bolt *D*<sup>111</sup>, connecting said brackets, crank drum *E*<sup>1</sup>, and ratchet wheel *E*<sup>11</sup>, fast on said shaft, rope *F*, end of the post *A*, and the dog *G*, engaging the ratchet wheel *E*<sup>11</sup>, substantially as set forth. 5th. In a scaffold, the combination of a shaft bolt *D*<sup>111</sup>, connecting said parts *D*<sup>11</sup>, forming a bearing for a pulley and ratchet wheel, the drum *E*<sup>1</sup>, carrying drum brake *E*<sup>11</sup>, upon the shaft *E*, the dog *G*, pivoted to the upper parts *D*<sup>11</sup>, opposite the ratchet, and having the cross bar *g*, the lever *H*, pivoted to one of the upper parts *D*<sup>11</sup>, opposite the cross bar *g*, and adapted to press on the cross bar of the dog *G*, and carrying a brake shoe adapted to bear on said brake pulley, substantially as set forth. 6th. The combination of posts *A*, having rabbits *a*, adjustable braces *B*, secured to said posts, bracket *C*, provided with angle plates *C*<sup>1</sup>, having lips *c*<sup>1</sup> and friction rollers *c*<sup>2</sup>, brackets *D*, secured to the brackets *C*, and having branches *d*, *d*<sup>1</sup>, and friction rollers *d*<sup>2</sup>, upper parts *D*<sup>1</sup>, having lips *d*<sup>11</sup>, bolt *D*<sup>111</sup>, and bearing for shaft, shaft *E*, carrying drum *E*<sup>1</sup>, ratchet wheel *E*<sup>11</sup>, and adapted for engagement by a crank *E*<sup>111</sup>, ropes *F*, secured to the upper ends of the posts, and the drum *E*<sup>1</sup>, and to be wound thereon, dogs *G*, adapted to engage the ratchet

wheel, collar *I*, with set screw *i*, lugs *i*<sup>1</sup>, carrying stay rods, the stay rods *I*<sup>1</sup>, provided with fastenings *i*<sup>2</sup>, and stay rods *L* and *L*<sup>1</sup>, secured to the bracket *C*, substantially as set forth.

#### No. 35,540. Compound for Preserving or Embalming. (*Composé pour embaumer et preserver.*)

James R. Bates and Frederick W. Owen, both of Detroit, Michigan, U.S.A., 2nd December, 1890; 5 years.

*Claim.*—A preservative embalming compound composed of sulphur, three parts; carbon (consisting of pulverized hard wood charcoal), three parts; borax, two parts; chloride of sodium, two parts; and chloride of calcium, two parts, in combination with suitable means for combustion, and the bringing of the fumes or gases of such combustion into contact with the animal body to be preserved, substantially as set forth.

#### No. 35,541. Automatic Railway Signal.

(*Signal automatique de chemin de fer.*)

Daniel Grant, Bath, Ontario, Canada, 2nd December, 1890; 5 years.

*Claim.*—1st. In an automatic railway signal, the combination of a long slightly curved depression lever *A*, pivoted at one end to a fixed support outside the track and close to the rail, and rising at its highest point slightly above the rail, a bracket *A*<sup>1</sup>, supporting one end of said lever pivotally, a rocking shaft *C*, having a crank *c*, with pin *c*<sup>1</sup>, and a crank or lever *c*<sup>2</sup>, set at a right angle, a link *B*, connecting said lever at the free end by the pin *c*<sup>1</sup>, and the rocking shaft by the pin *c*<sup>2</sup>, the bearings *C*<sup>1</sup>, carrying said shaft provided with stops *C*<sup>2</sup>, and the spring *C*<sup>3</sup>, controlling the lever *A*, and keeping the stops *C*<sup>1</sup>, and *C*<sup>2</sup>, in contact, substantially as set forth. 2nd. In an automatic railway signal, the combination of a lever *A*, placed outside the track close to the rail and pivotally supported at one end, a link *B*, connecting the free end to the crank of a rocking shaft, a rocking shaft *C*, having a crank *c*, connected by the link *B*, to the lever *A*, and having a long crank or lever *c*<sup>1</sup>, bearings *C*<sup>2</sup>, supporting the shaft *C*, and having stops *C*<sup>1</sup>, collars *C*<sup>11</sup>, upon said shaft, and having stops *C*<sup>2</sup>, a spring *C*<sup>3</sup>, drawing the lever *A*, to one side, and the shaft against the stops, the bell cord *i*, with the springs *i*<sup>1</sup>, and a bell or gong *I*, with suitable striking apparatus, substantially as set forth. 3rd. In a striking apparatus of an automatic railway signal, the combination of a frame *E*, *E*<sup>1</sup>, *E*<sup>11</sup>, a rocking shaft *F*, with rocking lever *F*<sup>1</sup>, and spring pawls *F*<sup>11</sup>, journaled in said frame, a ratchet wheel *G*, journaled upon said rocking shaft adapted to be turned in one direction by the pawls *F*<sup>11</sup>, pawls or detents *G*<sup>1</sup>, pivoted to said frame, and adapted to prevent said ratchet wheel from turning back, pin *g*, on said ratchet wheel adapted to operate a striker, or striker *H*, pivoted to said frame *E*, and adapted to be operated by said spring *g*, a spring *H*<sup>1</sup>, drawing said striker against the bell, a bell *I*, adapted to be struck by said striker, a traversing bar *K* having adjustable collars *K*<sup>1</sup>, adapted to slide in the frame *E*<sup>1</sup>, a spring *K*<sup>2</sup>, drawing the bar *K*, in the opposite direction, the bell cord *i*, adapted to draw the bar *K*, with the rocking lever *F*<sup>1</sup>, and means of connecting said bar with the rocking lever *F*<sup>1</sup>, and transmitting its movement thereto, substantially as set forth. 4th. In a striking apparatus of an automatic railway signal, the combination of the frame *E*, *E*<sup>1</sup>, *E*<sup>11</sup>, a rocking shaft *F*, journaled in said frame and having the rocking lever *F*<sup>1</sup>, with spring pawls *F*<sup>11</sup>, *F*<sup>12</sup>, and connecting lever *F*<sup>13</sup>, a traversing bar *K*, having adjustable collars *K*<sup>1</sup>, and slot *k*, adapted to engage the lever *F*<sup>13</sup>, and operated by a spring *K*<sup>2</sup>, and bell cord *i*, and the buffer springs *E*<sup>111</sup>, substantially as set forth. 5th. In a striking apparatus of an automatic railway signal, the combination of the frame *E*, *E*<sup>1</sup>, *E*<sup>11</sup>, a rocking shaft *F*, having rocking lever *F*<sup>1</sup>, with pawls *F*<sup>11</sup>, a ratchet wheel *G*, journaled upon said rocking shaft and adapted to be turned in one direction by the pawls *F*<sup>11</sup>, and having pins *g*, pawls or detents *G*<sup>1</sup>, pivoted to said frame *E*, and gearing in said ratchet wheel, a striker *H*, adapted to be operated by the pins *g*, and a spring *H*<sup>1</sup>, drawing said striker in one direction, substantially as set forth.