

RECENTLY PATENTED INVENTIONS. Of General Interest.

DISPLAY APPARATUS.—E. F. CANNON, Portland, Ore. The object of the invention is to provide a simple and inexpensive apparatus which has shelves for carrying and exhibiting wares and merchandise, which are movable in different directions and in different ways, to display the exhibited articles in a plurality of fashions.

BARREL-SHELF.—A. HUGHES, Houston, Texas. The purpose here is to provide a portable barrel shelf which can be conveniently applied on a barrel to bear the weight of a sack and its contents in filling the sack, and which can be conveniently folded into compact form and stored in a small space when not in use.

ENLARGING ATTACHMENT FOR CAMERAS.—C. F. ADLON, Las Vegas, New Mexico. One purpose of the invention is to provide an attachment whereby large prints may be made upon sensitized paper from small negatives, and to so construct the attachment for the enlarging camera that it can be expeditiously and conveniently set up and applied to an ordinary camera, and as readily and quickly removed therefrom.

Hardware.

CONVERTIBLE LADDER.—S. S. GROVES, Loraine, Ill. This invention is an improvement in ladders and especially in ladders which may be extended or may be converted into step ladders as desired. A hinge joint is movable to a point below the guides on the main section when the parts are adjusted, so that when the ladder is extended the extension is firmly secured and braced by the guides on the main section.

ADJUSTABLE CASTER.—J. SHARON, Canaseraga, N. Y. The invention has for its object to provide a stove leg to which is pivoted an arm having a wedge-shaped flange which is adapted for engaging snugly converging sides of the stove leg, there being a caster pivoted to the flange and means being provided for holding the arm off the floor.

ADJUSTABLE WRENCH.—O. C. CALDWELL, Klamath Falls, Ore. The wrench is of the sliding jaw type, and consists of but two sections, each cut from plate metal as flat blanks into proper form and completed by lapfolding members of each section upon other portions thereof, the two sections when completed being adapted for slidable engagement and locking adjustment at desired points of separation of the jaws.

NUT-LOCK.—H. W. WORTHINGTON, Richfield, Kan. The nut lock devices forming the subject of this patent include a washer of a special form. The washer is provided with a tooth which is bent out of the plane of the washer and is adapted to engage a ratchet piece in the nut to be locked. The washer is distinguished by an elliptical opening which permits the washer to be driven in the direction of the major axis of the opening and out of engagement with the nut.

MITER-BOX.—J. F. WINKLER, Marquette, Mich. This box comprises a rocking trough for securing the work, means for indicating the angle of its inclination, a saw guide arranged transversely of the trough, and mounted for swinging movement in a horizontal plane, and means for indicating the angle of inclination of the guide with respect to the trough.

Household Utilities.

FLAT-IRON STOVE.—E. L. HEGARTY and H. L. MOODY, Waterville, Maine. The invention belongs to that class of stoves or heaters in which an inverted flat-iron, generally electrically heated, constitutes the heating element, and has for its purpose a holder which will firmly support any ordinary shaped iron in an inverted position, and a member for protecting the pressing face of the iron, extending beyond the edges thereof.

AWNING.—W. SULLIVAN, New York, N. Y. The more particular purpose of this improvement is the production of a type of awning suitable for stores, dwellings, and the like, such awning being provided with means whereby it may be connected at one of its ends with one of the sashes, and at its other end with a frame pivotally supported upon the window jamb.

Machines and Mechanical Devices.

HAMMER.—H. J. AUGUSTINE, Mooreland, Okla. The construction accomplishes an increase in the mobility of the hammer so that it may be shifted in a number of independent directions for the purpose of applying it to different portions of work, or readily placing it out of the way a moment after it has been used; and to more evenly distribute the weight of the hammer and mechanism immediately connected therewith relatively to its support.

METALLIC BELT.—H. L. CANNE, Dingman Township, Pa. The object of the present invention is to provide a belt for use in power transmission or for use as an over-shoe for vehicle wheels and for other purposes, the belt

being strong, durable and exceedingly flexible in every direction. It relates to metallic belts such as shown and described in the application for Letters Patent of the U. S., formerly filed by Mr. Canne.

BUNDLE-FORMING MACHINE.—A. J. CHESSEON, Suffolk, Va. The machine facilitates the forming of bundles or packages of boards of short lengths, or similar articles. It facilitates the forming by providing a bed upon which the articles are laid, and the device includes means for bringing the different articles or members which form the bundle into alignment longitudinally and transversely.

CHAIR.—A. H. CLARK, Denver, Col. The invention relates more particularly to chairs or seats for theaters and the like. An object is to have a movable seat held by resilient controlling mechanism in an elevated position and which can be depressed, locked in a partially depressed position and released from this by a further movement of the seat.

BURGLAR-ALARM.—H. SPENCER, Ridgefield Park, N. J. More specifically the invention pertains to that type of alarm which employs a bell which rings automatically when its plunger is pressed, and the improvement concerns itself especially with the construction of means for pressing the plunger of the bell and for disengaging the operating mechanism when desired.

AUTOMATIC REGULATING-VALVE.—J. C. SMITH, Louisville Ky. The subject of the invention is intended for controlling the flow of weak liquor to an absorber. This liquor leaves the generator under a pressure of approximately 150 pounds, while the gas admitted to the absorber is under a pressure of from 5 to 15 pounds. The returning fluid absorbs 27 to 29 per cent of its weight of ammonia gas, and for this absorption to take place it is necessary that the pressure of the incoming fluid be equal to that of the incoming gas.

PHOTOGRAPHIC-PAPER-PRINTING MACHINE.—E. N. KERR, Rock Island, Ill. One purpose here is to provide a construction of machine for printing photographic paper, especially designed for use in connection with the so-called gas-light paper, wherein the time of exposure is under the complete control of the operator and may be made to vary as desired from a second or seconds to a minute or many minutes.

Prime Movers and Their Accessories.

ROTARY EXPLOSION-ENGINE.—W. A. SMITH, Los Angeles, Cal. There is provision in this invention of an improved rotary explosion or gas engine, arranged to utilize the force of the explosive mixture to the fullest advantage by giving a plurality of impulses to the rotor at each revolution thereof, thus insuring an easy and steady running of the engine.

REVERSING-VALVE.—J. W. BELL, Shenandoah, Pa. When this valve is closed it completely shuts off all communication between the pressure chamber, back of the valve and the cylinder, with the exhaust ports leading from the chambers at the ends of the side valve, thus preventing a loss of power from the cylinder through a reverse valve chamber, which stops all interference with the operation of the slide valve and auxiliary plunger therefor when used by reason of counter pressure leaking from the back of the reverse valve.

Railways and Their Accessories.

RAILROAD CASH-FARE RECEIPT.—G. MCN. ROSE, JR., Nashville, Tenn. The invention comprises more particularly an arrangement of lines inclined relatively to each other and to the sides of the ticket or receipt, and bearing numerals and other indications of different amounts in dollars, dimes, and cents. When the receipt is used, a portion is torn off corresponding to the amount paid by the passenger for fare, and the inclined lines indicate the steps of division between the stub and the portion given to the passenger.

RAIL-BASE AND METAL CROSS-TIE FOR RAILWAY TRACKS.—M. A. TEMPLE, Berlin Heights, and H. C. TEMPLE, Cleveland, Ohio. The invention provides a resilient, continuous rail base for the rails of a railroad track and angle iron tee bars therefor, dispensing with wooden cross ties and affording longitudinal and transverse supports beneath the rails that are very durable, adapted to hold the rails from spreading or creeping, and prevent a derailed car from leaving the road bed, thus obviating accidents.

Pertaining to Recreation.

TOY-PISTOL.—M. D. GREENWOOD, Hoosick Falls, N. Y. More particularly the invention relates to that type of pistol in which a resilient band is so arranged that when released a projectile, such as a marble, stone, or bean, may be thrown. It holds the projectile in the barrel and adjacent the plunger while the pistol is being aimed and to release the projectile simultaneously with the release of the plunger.

AMUSEMENT DEVICE.—W. P. HAYES, New Haven, Conn. In a bowl-shaped body the inventor provides a central circular seat at the bottom, and a circumferential seat at the side, arranged at or near the top at approximately right angles to the bottom seat. Passengers enter the bowl through an opening, and when this is closed the bowl is revolved

on its vertical axis, and by centrifugal action moves the passengers from the bottom seat to the side seat, where they remain suspended at right angles to the natural seating posture.

SNELLED-HOOK BOX.—M. M. SCHANEY, Dubois, Pa. In order to carry out the invention a cylindrical box is provided, having therein a spring-actuated reel, on the periphery of which is arranged a moistening pad. The reel is provided with grooves whereby the hooks may be protected, together with devices for keeping the snells taut and always accessible and in a condition to be used immediately.

Pertaining to Vehicles.

DUMPING-WAGON.—T. WRIGHT, Jersey City, N. J. The object of the invention is to produce a construction in which the body of the wagon or cart may be raised and inclined, but in which the center of gravity of the body and its load will remain in substantially the same plane as when the body is in its normal position on the track.

ROTARY WHEEL-GUARD.—F. E. HUTCHINGS, New York, N. Y. The special object of the invention is to so construct and mount the guard that it will be at the minimum distance from the wheel, and the possibility of any person or object falling behind the guard and in front of the wheel will be eliminated. It relates to improvements shown in a prior application filed by Mr. Hutchings.

VEHICLE-WHEEL.—G. R. WILLIAMS, Little Rock, Ark. One purpose of the invention is to provide a wheel for carriages, automobiles, and like vehicles, that will possess efficient resilience without detracting from its supporting qualities, and to provide a construction wherein a resilient tire is combined with compensating spokes.

NOTE.—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

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INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending May 18, 1909,

AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

Table listing inventions with patent numbers. Includes items like: Abrading machine, O. W. Brenizer, 922,382; Acid, alkyl esters of methylene citric, R. Berendes, 921,944; Acid from gas mixture containing oxides of nitrogen, obtaining nitric, L. Glaser, 921,975; Acid, recovering hydrocyanic, W. Feld, 922,409; Addressing or mailing machine, C. Owens, 922,324; Adjustable bracket, T. Smith, 922,204; Aerating machine, H. Pearce, 922,183; Air brake system, E. J. Newton, 922,318; Air for purposes of ventilation, apparatus for distributing compressed, Arndt & Nurnberg, 922,236; Airstrip, E. H. Whaley, 921,915; Airstrip, M. H. Whalen, 922,223; Ammonia, making, C. Krauss, 922,003; Amusement device, C. F. Peck, 922,184; Anchor, M. W. Hall, 922,137; Animal exterminator, electric, B. S. Ames, 922,377; Anvil, W. E. Andrews, 921,787; Aralkyl para aminophenol, P. Reblander, 922,040; Armor or deck plates, treating, S. S. Wales, 921,925; Assembling apparatus, N. Marshall, 922,437; Atomizer, C. H. Michael, 922,307; Automatic switch, C. H. Bismarck, 921,734; Automatic switch, W. E. Dewey, 921,810; Automobile headlight adjuster, L. M. Leach, 922,299; Automobile vehicle, L. H. Dyer, 921,963; Automobile wheel, O. A. Hauere, 922,278; Automobiles, auxiliary starting device for, J. W. & F. Jackson, 921,995; Automobiles, rear axle for, F. C. Miller, 922,308; Automobiles, etc., spring for, C. A. Lieb, 922,169; Babbitting device, J. M. Maynard, 922,012; Bag, See Tent bag, 922,050; Baking form, E. Schmidt, 922,050; Balance wheels, apparatus for adjusting, F. R. Cunningham, 922,095; Ball plays, device for, B. Jirotko, 922,432; Ballistic plate, S. S. Wales, 921,924; Banding or winding machine, C. Boderck, 921,668; Barrel fastener, G. R. King, 922,292; Barrel support, H. K. Loskamp, 921,855; Barrette, C. H. Howe, 921,702; Basket, desk, U. K. Hall, 921,694; Bath tub footboard, J. H. Pugh, 921,734; Bath tub rims, handhold for, J. H. Pugh, 921,733; Battery box or tray and handle therefor, J. N. Davis, 921,808; Bearing, roller, H. W. Alden, 921,656; Bearing, roller, F. M. Freeburg, 922,124; Bearing, roller, S. Kaye, 922,288; Bearings, lathe attachment for turning, C. Phillip, 922,327; Bed side rail, W. B. Munn, 921,869; Blanks, making ornamental, G. U. Meyer, 921,722; Bleaching apparatus, W. B. Lewis, 921,853; Blower for peas or the like, A. H. Wheeler, 921,764; Boat for shallow waters, A. C. Larr, 921,849; Boat rowing machine, C. H. Clifton, 921,951; Boat, submarine, L. Y. Spear, 922,056; Boat, submarine or submersible, C. Laurenti, 922,298; Boilers of the locomotive type, superheater for, W. Schmidt, 922,200; Book covers, making flexible, J. McKibbin, 921,873; Book mark, A. Eberle, 922,110; Boring bar, D. H. Shattuck, 922,346; Boring bars, expansion cutter head for, C. M. Bucher, E. Winkler, 922,252; Boring machine, E. Winkler, 922,271; Bottle and jar closure, O. Becher, 922,244; Bottle, antirefrillable, J. Riviere, 922,335; Bottle casing, vacuum, P. O. E. Friedrich, 922,125; Bottle closure, F. C. Stockel, 921,908; Bottle, non-refillable, J. C. Davis, 921,809; Bottle sealing cap, L. Kalling, 922,286; Bottle, vacuum, J. G. Lyman, 922,174; Bottle, vacuum insulated, G. P. Van Wye, 922,364; Bottle, vacuum nursing, P. O. E. Friedrich, 922,413; Bottles and like vessels, closure for, P. Leinbrock, 922,167; Bottles containing aerated liquids, stopper for, D. Landau, 922,158; Bowl, sugar, J. T. McLellan, 922,315; Box corner stay and reinforce, H. C. Tufts, 922,066; Box lid fastener, G. C. Frazier, 922,122; Bracket, R. W. Hubbard, 921,704; Brick and the like and producing the same, composition of matter for use in fire, L. H. House, 922,363; Brick glazing compound, H. & J. Ohlsen, 921,879; Broom holder, A. Marko, 922,008; Brush, rotary, W. F. Wegner, 922,225; Bucket, clam shell, Frazier & Fox, 921,821; Buggy curtain, G. W. Atkins, 922,073; Buildings and apparatus therefor, constructing, A. & E. W. Foster, 921,820; Burner, J. N. Leach, 921,850; Cabinet, dispensing grocery, R. F. Ballard, 921,841; Cabinet, filing, A. Gaul, J. C. Heckman, 921,822; Calculation, process of, C. Heckman, 922,425; Calendar, perpetual, Stroock & Hirsch, 922,063; Camera focusing attachment, W. F. Folmer, 922,411; Can feeding apparatus, E. M. Burr, 921,672; Can filler, E. E. Seibultz, 921,898; Can heads or other sheet-metal blanks, cutting, F. Rudolph, 922,194; Can opener, W. T. Favorite, 922,117; Car attachment, street, J. N. Nixon, 921,877; Car coupling, M. C. Ironside, 921,707; Car door, grain, N. Hoople, 921,701; Car door lock, C. H. Lewis, 922,168; Car fender, H. M. Lambert, 921,716; Car fender, I. B. Crane, 922,092; Car fender or guard, T. F. Hayes, 921,831; Car fender or guard, railway, G. A. Parmenter, 921,882; Car, freight, H. W. Kirebner, 922,293; Car, mine, J. M. Hansen, 921,829; Car, passenger, F. Koch, 921,848; Car, passenger, M. Carwen, 921,835; Car, passenger, H. Howson, 922,430; Car platform arrangement, street, P. N. Jones, 922,285; Car, revolving matte, J. C. Kilker, 921,999; Car seat backs, adjustable seat back support for reversible, R. L. Mangan, 922,303; Car, transfer, C. E. Dinkey, 922,103; Car wheel, S. H. Lanyon, 922,161; Car window cinder guard, railway, C. W. Kenon, 922,290; Carburizer, A. Howarth, 922,145; Cards, playing, F. D. Windell, 922,370; Carrier, See Trace carrier, 922,370; Casks and other vessels, means for venting, L. E. Saunders, 922,198; Caster, adjustable, C. Bopp, 922,381; Cattle guard, J. A. Lee, 922,165; Cell for electrolytic or other purposes, H. S. Blackman, 922,079; Cellulose acetates, manufacture of objects from, A. Schloss, 922,340; Centrifugal drier, O. Keefer, 922,149; Centrifugal separator, B. A. O. Prollius, 922,037; Centrifugal separators, liner for, B. A. O. Prollius, 922,038; Chain, cutter, R. E. Noble, 921,728; Chain clasp, H. E. Kerley, 921,846; Chair, J. Smith, 921,905; Cheese cutter, J. Purcell, 922,033; Cheese cutter, L. J. Kunkel, 922,158; Chimney cleaner, G. S. Stuart, 922,353; Churn, L. C. Lewis, 921,851; Churn, M. W. Beemer, 922,076; Cigar retainer and inner seal, A. H. Andrews, 921,938; Clamp, J. Rivers, 922,330; Cleaning apparatus, pneumatic, Boegel & Lewis, 921,669; Clock gong, W. C. Morgan, 922,021; Closet fitting, W. M. Weatherly, 922,222; Clothes line, J. M. Peterman, 922,032; Coal and the like, apparatus for trimming and elevating, R. Brown, 922,387; Coal from vehicles, device for unloading and delivering, G. E. Chalfant, 922,390; Coal-gasifying furnace, H. Ries, 922,042; Coat and hat book, R. W. Hubbard, 921,703; Coating with tin or allied metals, electrically, J. C. Beneker, 921,943; Coke oven, C. Schroeter, 922,201; Collar, coat, M. Koppelman, 922,011; Combination bench, H. S. Maynard, 922,011; Compressor, F. A. Rider, 921,890; Compressors, controlling device for two-stage, R. Conrader, 921,803; Concrete blocks for buildings, machine for making, W. G. Bailey, 921,659; Concrete reinforcing means, E. G. du Mazuel, 922,305; Continuous press, S. J. Versten, 921,921; Controller regulator, C. E. Lord, 922,172; Convertible table and settee, B. Katzenberg, 922,237; Cord holder, V. H. Hooks, 922,337; Corn drying rack, W. Wenzelmann, 921,932; Corner shield, J. H. Jennison, 922,146; Cotton chopper and row cleaner, combined, W. E. Pruitt, 921,886; Coupling, E. H. Gold, 922,132; Coupling head, J. S. Sheafe, 922,347; Couplings, safety check for automatic, S. T. Shroyer, 922,270; Cover, metallic, G. R. Fowler, 922,348; Covers to vessels, means for securing, A. T. Leib, 922,168; Crane, J. A. Suss, 922,206; Crate, G. J. Mulzer, 922,020; Crate, folding, P. J. Baker, 921,789; Culinary vessel, J. H. Ressler, 921,888; Cultivator, J. A. King, 922,000; Cultivator, E. M. Heyman, 922,427; Current motor, alternating, W. E. Goldsborough, 921,826; Current variations, producing amplified, Weintraub & Latour, 921,930; Currycomb attachment, R. W. Hamler, 921,695; Curtain pole, R. Deucher, 922,100; Curtain pole, J. M. Wiedeman, 922,229; Curtain pole ring, F. Bartholomae, 922,241; Cut-off, automatic, V. A. Croslier, 921,953; Dams, dikes, etc., and in simultaneously compressing portions of ground adjacent thereto, providing water-tight vertical layers in, A. Strauss, 922,207; Dispensing can, non-refillable, S. Strauss, 922,062; Display apparatus, sample, H. O. Johnson, 921,713; Display rack, J. Danziger, 921,956; Display receptacle, E. W. Carnes, 921,673; Distilling gases and vapors, retort for, P. A. Emanuel, 922,407; Distribution system, Hall & Knight, 921,693; Domestic boiler, J. Woods, 921,776; Door attachment, E. J. Auer, 922,378; Door bolt, multiple, W. J. Parle, 922,325; Door bumper and holder, J. A. Poche, 922,328; Door check and buffer, J. C. Peterman, 922,185; Door fastener, Smith & Davis, 922,352; Door retaining device, J. Whitaker, 921,768; Door, sliding, E. R. Jackson, 921,705; Dough mixing machine, C. Chambers, Jr., 921,796; Drier, Wallace & Meyer, 922,700; Drilling machine, R. M. Downie, 921,680; Drop lights, adjustable support for, P. Franz, 921,700; Dye and making same, antiraceme, M. Isler, 922,282; Ecrasseur or castrating instrument, J. Sklar, 922,350; Electric connector, separable, F. C. De Reamer, 921,678; Electric current regulator, T. Spencer, 922,057; Electric cut-out, W. B. Potter, 921,732; Electric devices, multiple operation of vapor, R. E. Russell, 921,893; Electric distribution system, E. F. W. Anderson, 921,786; Electric light key socket, W. C. Clark, 921,800; Electric lighting system, C. Feldmann, 922,410