

ENGINEERING INVENTIONS.

A car coupling has been patented by Mr. George L. Walton, of Bougere, La. The invention consists in providing an ordinary drawhead with elliptic springs placed longitudinally, to hold a coupling link in a horizontal position, to enter a corresponding drawhead in an approaching car, to be coupled automatically.

A railroad signal has been patented by Mr. Theodor R. A. Weber, of New York city. Two signals are combined by rods with each other and with mechanism at the sides of the rails for operating the rods, whereby the signals are automatically set to danger by a train and are not changed until the train leaves the section.

A dumping car has been patented by Mr. John Scully, of South Amboy, N. J. Combined with the car body and doors at the bottom of the car is a vertically movable bar, whereby the doors may be opened and closed by a positive movement of the bar longitudinally, which gives a positive down thrust upon the doors, or by which they may be held at any desired angle to regulate the discharge.

A railroad gate has been patented by Messrs. Henry Cluever, of Albany, and Nicholas Thelen, of Schenectady, N. Y. The construction is such that as a train of cars approaches the gate the engine wheels strike down a lever which rocks a shaft that operates wires to draw down sliding bars, that allow the gate bars to swing down by their own weight, the gate being then opened by the wheels in passing.

A car coupling has been patented by Mr. James H. Pollard, of Clarence, Mo. This invention covers novel features of construction and combination of parts for a coupling which will work automatically with a link of an approaching car, having an ordinary link and pin drawhead, and which can be worked with drawheads of different heights, and the coupling and uncoupling can be done from either side or the top of the car.

MECHANICAL INVENTION.

A chuck has been patented by Mr. Edwin F. Lindsey, of Bristol, R. I. The invention consists principally in providing the jaws with spring seats, or supports for opening them, to receive the shank of the tool, the jaws having also inclined outer surfaces to act in connection with a bevel in the chuck core for closing the jaws upon the tool, with other novel features.

AGRICULTURAL INVENTION.

A fertilizer distributor has been patented by Mr. James Van Sieten, of Jamaica, N. Y. It is so made that the discharge opening can be closed, the stirring mechanism thrown out of gear, and the plows raised from the ground, by a single lever, and all returned to working positions by operating a treadle, which can be adjusted to distribute more or less fertilizer to the acre.

MISCELLANEOUS INVENTIONS.

An oil cup has been patented by Mr. John Davies, of Peckville, Pa. It is designed to be readily adjusted for delivering more or less oil, and thicker or thinner oil, or to prevent delivery altogether if required, being adapted for oiling journals, steam cylinders, and other frictional surfaces.

An ice cream freezer has been patented by Mr. Charles Hedges, of Grinnell, Iowa. This invention relates to a wagon or vehicle adapted to carry ice cream in freezers, and covers a mechanism driven from the vehicle wheel or axle for operating the freezer as the vehicle travels along the road, the vehicle being adapted to deliver milk or other produce.

A calculator has been patented by Mr. Luther M. Carmical, of Jonesville, Va. It is so made with nine parallel bars, each bearing nine equidistant marks, by adjusting certain rings on the bars, to indicate the multiplier, and selecting tablets whose first numbers correspond to those of the multiplicand, then moving the device from right to left over the tablets, the product will be indicated by the number over which the rings pass.

A corset clasp has been patented by Mr. Francois F. Delyp, of Paris, France. It is a plate apertured and bent to form a hook, with a plate apertured and provided with a tongue, making a clasp of which only a small portion of the metal projects, it being mostly covered by the trimming, the clasp being one which can be rapidly and conveniently operated, and which cannot damage the garments or injure or pinch the skin.

A target trap has been patented by Mr. Franklin J. Curran, of Stanford, Ky. It is for casting the frangible targets used in shooting matches, and the target holding and releasing devices are supported on the outer end of a casting lever, in such way that the targets will be cast in different vertical planes, to be readily distinguishable from all points, the invention covering various novel features in construction and combination of parts.

A machine for cutting leather has been patented by Mr. George W. Gross, of Oxford, N. J. It is a readily adjustable machine for cutting leather into strips and straps of various widths, combining with feed rolls, a horizontally adjustable gauge plate in front of the rolls, adapted to regulate the width to be cut, and a vertically movable plate adapted to bear on the leather being cut, the machine being calculated for hand or power operating.

An automatic stock water tank has been patented by Mr. Richard H. Barber, of Galena, Kansas. It has end troughs for horses and cattle, too high for use by smaller animals, and side troughs for sheep, hogs, etc., in which the water is furnished as the animal steps upon a treadle in going to the trough, the water always being freshly furnished and the tank easily inclined; the invention is an improvement on a former patented invention of the same inventor.

A wagon brake has been patented by Mr. Edward M. Allen, of Stafford, Md. It is an improvement on a former patented invention of the same inventor, providing a simple and convenient mechanism by which the oscillating body support, operating the brake, may be connected with the team-attaching device, so that when the team is stopped on a level or when ascending a hill side, the part may be so adjusted that any forward motion of the team will serve to apply the brake with great force.

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INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted,

August 17, 1886,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Table listing inventions and their patent numbers, including items like Abdominal bandage, Alarm, Alcohol making, Ash pan, Atomizer, Axle box, Axle car, Axle car, Axles, Bag, Bag holder, Baling press, Bar, Bars, Barley, Barrel making machine, Bath apparatus, Battery, Battery and battery plate, Bed bottom, Bed lounge, Bell, Belt, Bit brace, Blacking boxes, Bolters, Bone blanks, Boot or shoe stretcher, Boot, rubber, Boots and shoes, Boots and shoes, mulling tool, Brake, Bracket, Brake, See Car brake, Locomotive brake, Sled brake, Brake, J. Muller, Breast ring attachment, Brick for ventilation, Brick kiln, Brick kiln, Brick machine, Bronzing machine, Brush handles, Brushing machine, Buckle, Bung vent, Burglar alarm, Burial casket, Burner, Button, Button, hinged shoe, Button or stud, collar or cuff, Cabinet, Camera, Camera, See Photographic camera, C. m. See Oil can, Can opener, Candlestick attachment, Candlestick, miner's, Candy whistle mould, Car brake, Car brake and starter, Car brake shoe, Car coupling, Car coupling, E. Appar, Car coupling, J. H. Pollard, Car coupling, C. Thayer, Car coupling, G. L. Walton, Car coupling, W. E. Williams, Car coupling, W. D. Woodward, Car, dumping, J. Scully, Car, freight, J. F. Batchelor, Car motor, Car spring, Car stock, Car wheel, Cars, chair fitting for drawing room, Carburating gas apparatus, Card, show, Carding cylinders, Carding engine, Carding machine, Carrier, Cartridge loading machine, Cash carrier, Case, Cash carrier, G. H. Spangler, Caster, furniture, Ceiling and floor, fireproof, Cement, hydraulic, Murphy & Lord, Chain, drive, M. Dutrisac, Chain links, Chains, spring link and bar, Chair, See Invalid chair, Swinging and reclining chair, Chimney cap, Chimney cap, F. Lindsey, Chuck, S. O. White, Chuck for rock drills, Chuck, lathe, Churn, N. Barnesley, Cleaner, See Lamp chimney cleaner.

Table listing inventions and their patent numbers, including items like Clock and indicator systems, Clock hand and dial, illuminated, Clock movement, Clock system, electric, Closet, Clutch, Composing stick, Compound motive power engine, Confectioner's dropping tube, Cooking utensils, Corsets, lacing stay, Cotton gin, Cotton picker, Cotton press, Coupling, Crayon holder, Cultivator, Cultivator, E. E. Krause, Cultivator, J. H. Mason, Cultivator and hoe, combined, Cultivator bar and cultivator clip, Door, elevator, Door fastener, Door hanger, Dovetailing machine, Draught regulator, Drainer, dish, Drawing machinery, screw gill, Drier, Drill, Dust box, Dyeing apparatus, Dynamite, Eaves trough hanger, Egg preserving apparatus, Electric current converter, Electric signal, automatic, Electric train controlling system, Electro magnetic valve, Elevator, Elevator, A. J. McAdam, Embroidery frame and stand, Fabric, Fabric for window shades, Fabric or material for interior decorations, Fanning mill, Fare register, Faucet, screw, Feather renovator, Feathers, machine for scraping the quills of, Feed bags for animals, Fence machine, Fence machine, wire, Fence support, Fence, truss hedge, Fence, wire, Fences, machine for making wire and picket, Fertilizer distributor, File stand, Filter, T. Luce, Filter, C. H. Weideman, Fire extinguisher, Fire extinguisher apparatus, Flask, Flour, bolting and purifying, Folding rack, Frame, See Embroidery frame, Fruit picker, Furnace, See Gas furnace, Locomotive furnace, Portable furnace, Furnaces, ash pit for, Furnaces, feeding air to, Game counter, Game of baseball, parlor, Game, puzzle, Garment hanger, Gas, decomposing and carburating natural, Gas engine, Gas engine, Hodgkinson & Dewhurst, Gas engine, R. F. Smith, Gas furnace, regenerative, Gas, manufacturing hydrocarbon, Gate, J. L. Kopecky, Gate, M. M. Roberts, Gate post, Glass bottles, forming indents in, Gluing machine, Grain binders, Grain separator, Grain, J. T. & A. E. Smith, Graining, J. Hammerl, Grate, H. M. Weaver, Grate bar, J. Ashcroft, Grate, fire, Grate, stove or furnace, Grenade, hand, Grinding mill, Guard, Hanger, Harness bridle attachment, Harrow, Harvester, F. N. Whitely, Harvester, cane and corn, Harvester reel, Harvesting and binding machine, Harvesting machine, Hat sweats, stitching reed covers, Hay elevator, Hay loader, Hay rake and loader, Hay raker and loader, Heater, Heating apparatus, steam, Heel nailing machine, Heel nailing machine, F. F. Raymond, Hinge, J. B. Galloway, Hitching device, Hoeling machine, cotton,