

ENGINEERING INVENTIONS.

Mr. Daniel O'Connor, of Little Rock, Ark., has patented a device for changing the position of the target used for signaling purposes.

Mr. Orlando H. Judwin, of Brooklyn, N. Y., has patented improvements in the system of cable traction for street railways.

Mr. Aaron C. Vaughan, of Shaene's Crossing, O., has patented an improvement in T-shaped railroad rails, whereby great saving of steel in the manufacture of the rail is attained without decreasing the strength of the rail.

Mr. Joseph W. Putnam, of New Orleans, La., has patented an improvement in piles, such as are used as a substructure for bridges, etc.

MECHANICAL INVENTIONS.

Mr. Albert Slagle, of London, O., has patented an improved cork extractor having a base or foot provided with a horseshoe-shaped frame or standard.

An improved screw conveyer has been patented by Mr. William Walter Hewitt, of Swanscombe, County of Kent, England.

An improved car coupling has been patented by Mr. Daniel W. Deal, of Toddville, Ia. In this improved car coupling, each drawbar has a bevel head with shoulders behind it for being engaged by bevel-ended hook catches.

Mr. Charles Drauly, of Carrizo Springs, Tex., has patented an improved wheel composed of sections which can conveniently be taken apart for transportation and united for use.

An improvement in sewing machines has been patented by Mr. Thomas J. Le Count, of New York city. The invention consists in a sewing machine in which the power is transmitted from the treadle shaft to the needle bar, shuttle lever, and feed directly by means of shafts and gearing.

An apparatus for coiling wire for making spiral wire springs, or for making coils to be used in manufacturing mattresses or for any other purpose, whereby the coils may be made more easily and rapidly than heretofore, has been patented by Mr. Joseph A. Coultas, of Brooklyn, N. Y.

An improvement in hedge trimmers has been patented by Mr. William F. Throckmorton, of Adair,

This improvement relates to hedge trimmers of the class shown in Letters Patent granted to the same inventor June 27, 1882, No. 260,255, in which machine a cutter bar is attached to a handle and fitted for operation by a crank.

A combined sulky plow, harrow, seeder, and roller has been patented by Mr. Daniel C. Beaty, of Olympia, Washington Ter. The invention consists of a machine having attachments contrived to perform all the operations at once without allowing the horses to step on the plowed ground.

An improved self-dropping check rower and marking attachment for corn planters has been patented by Mr. David McCansland, of Marshalltown, Ia. In this machine the seed slide is vibrated by means of tappets and cams.

Mr. James D. Patterson, of Competition, Mo., has patented improvements in that class of wheel plows in which the plows are alternately drawn forward by the truck. By these improvements the plow is rendered efficient, and its construction is simplified.

An improved check row planter has been patented by Mr. George W. North, of Burlington, Kan. The invention belongs to the class of planters in which the grain to be planted and the dropping mechanism, which includes an oscillating cup, are located in chambers formed within the wheels.

An improved corn planter, check rower, and drill has been patented by Mr. Simeon Smith, of Graymont, Ill. This invention relates to the construction and arrangement of the mechanism of a combined corn planter or drill, and check rower, the object of which is to simplify the construction and operation of such machines and improve their efficiency.

Mr. Lucien B. Beaumont, of Alexandria, O., has patented a plow or cultivator attachment composed of a single rod or bar coiled to form a fender, and having a portion thereof extended forward for an attaching arm, and the end turned back upon itself to adapt it to be clamped to the beam; the object being to allow fine soil to pass freely around plants, while preventing clods and stones from being thrown against the plants.

Mr. James D. Watters, of Belair, Md., has patented an improved fastening and releasing device for cattle stalls. This invention relates to that class of devices which are adapted to permit the fastening and unfastening individually of any one animal, and also the releasing simultaneously of the entire number, when desired; and it consists mainly in the combination of a sliding locking-bar with a sliding releasing-bar, and the crossbar of a chain.

Mr. John R. Owen of Pulaski, Tenn., has patented a combined cotton planter and fertilizer distributor constructed with an opening plow connected with the seed box by a grooved and slotted bar, which serves as a bottom to the seed box. The seed box is supported upon wheels, and is provided with three cylinders having radial arms and with pulleys connected by an endless belt, whereby the cylinders will be operated and the fertilizer and cotton seed removed from the box by the advance of the machine.

MISCELLANEOUS INVENTIONS.

Mr. George W. Comee, of Waseca, Minn., has patented an improved burial case corner. The improvement consists in the method of securing the sheet metal in the ends or edges of the side and end pieces of the case.

Messrs. Timothy Kehoe and Joseph A. Bourke, of New York city, have patented a pool bottle constructed with two pins placed at such a distance apart as to receive a ball between them, and operated by a lever and a spring.

An improved fruit washer has been patented by Mr. Charles E. Marshall, of Lockport, N. Y. This invention consists of a vessel having a perforated false bottom, a filler, and a spout, and of a device adapted to regulate the opening of the cover of the vessel.

An improved sulky has been patented by Mr. Jesse C. Boyd, of Rushville, Ind. The invention consists in a seat provided with arms connected to the shafts by clips, and having C-springs interposed between the seat and axle.

An improved ditching and tile laying machine has been patented by Mr. Andrew S. Hughes, of Eldora, Ia. The implement has a cylindrical and pointed opener, diverging blades, and a colter for making the ditch, an inclined chute for receiving the tiles, and scrapers for covering.

A novel music holder for pianos and organs has been patented by Mr. Charles P. Byron, of Yonkers, N. Y. This appliance is to be used in connection with the common piano and meloëon music rack, and will hold music sheets of any size, also music books. It is compact and convenient.

An improvement in the suspender ends for attaching the suspender bands or straps to pants, has been patented by Augusta Netzer, of New York city. The suspender end is formed of crossed bands held together at the crossings by rings which pass over one part or strand of the band and under the other part or strand.

An improved opera chair has been patented by Mr. Bernhard H. Koechling, of New York city. The object of this invention is to provide opera chairs constructed in such a manner that the seats, when not in use, will turn up laterally against the side frames and the backs will swing forward against the seats, leaving a clear space.

An improved bee smoking apparatus has been patented by Mr. Tracy F. Bingham, of Bronnia, Mich. This invention relates to improvements on the apparatus for which Letters Patent were granted to the same inventor January 29, 1878, No. 199,611, and reissued under date of July 9, 1878, No. 8,326.

Mr. James P. Winter, of Greenup, Ky., has patented a heat regulating and reflecting attachment for open fire places, calculated to control the draught, lessen the escape of the heat up the chimney, and increase the reflection of the heat into the room, so as to effect a large economy of fuel in open fire heaters.

Mr. Theodore Berteling, of New York city, has patented an improvement in flutes, which consists in novel arrangements of the key valves, whereby the F's can be produced by means of fork fingering, and can consequently be played much more easily and more distinctly and rapidly than in a flute of the usual construction. The volumes of the F tones and nearly all the other tones are greatly augmented.

An improved folding umbrella has been patented by Mr. Patricia F. McGuire, of New York city. This invention consists of a stick or staff having runners, braces, jointed ribs having sleeves and bands, a nut screwed upon said staff or upon a sleeve fitted on the latter, a cover adapted to be detachably connected to the ribs, and a cap nut fitting upon the umbrella and the nut.

An improved watch case has been patented by Messrs. Gustav Speckhart and Bernhard Vogel, of Nuremberg, Germany. The invention consists in a watch case formed of a crystal or front and back held together by an opening provided at the ends with half-pendants which are held together by a screw, so that the ring when closed surrounds the edges of the front and back, which are thus held in place.

An improvement in tricycles has been patented by Mr. John A. Edmonds, of Camden, Del. This invention relates to tricycles and other vehicles designed to be propelled by hand or feet; and it consists in a loose arrangement of the driving wheels on their axle, in combination with pawl and ratchet wheel connections to provide for either separate or joint rotation of the wheels on opposite sides of the vehicle.

An improved mode of manufacturing brackets has been patented by Mr. Alonzo Lambert, of Corona, N. Y. The invention consists in pressing the stock into a grooved die, then bending the turned up edges inward at right angles over rectangular wires placed in the angles of the stock while still in the die, then bending the inwardly projecting edges downward at right angles along the inner sides of the wires, and then bringing the bracket into shape upon an oval mandrel with a bending tool.

An improved automatic pencil holder has been patented by Mr. Joseph H. Wright, of New York city. This is an improvement on the pencil holder for which Letters Patent No. 245,257 were issued to the same inventor August 2, 1881. It consists in a reel provided with an annular groove for receiving cord or tape in its circular side, the outer edges of this groove being flush with the circular side of the reel, whereby a great length of cord can be wound on a reel of small diameter.

Mr. Lewis McLellan, of Gorham, Me., has patented an improved vessel for cooking, boiling, or preparing corn or other articles which it is designed to preserve in hermetically sealed cans. It consists in the peculiar construction of the boiler or vessel, and in the combination, with a steamtrap, of the boiler, wherein is placed the corn or other article to be cooked by steam at a temperature higher than 212° Fahr., or by boiling under pressure as may be deemed best for the article to be prepared.

A device for attachment to one of the bars of a grate in an open fire place for the purpose of facilitating the heating of a vessel of water, and for other purposes, has been patented by Mr. John J. Mitchell, of Hopkinsville, Ky. The invention consists in a forked bar, for engagement with the upper bar of a grate, provided with a pivoted latch for holding it in position on the bar, and having a pivot for engagement with a socket on a swinging skeleton plate for holding a vessel to be heated.

A novel combined stereoscope and graphoscope has been patented by Mr. William H. Lewis, of Brooklyn, N. Y. This invention consists in a novel combination, whereby increased facility is afforded for dismembering and closely packing the instrument, for converting it from a standing instrument into one which can be conveniently held in the hand, for supporting and steadying the lazy-tongs frame of the instrument, and for insuring a uniform motion of opposite ends of the frame; likewise for utilizing the bar which carries the graphoscopic lens as an adjustable holder of the stereoscopic lenses.

Mr. Samuel Wilson, of Dallas, Iowa, has patented an improved fishing wheel having nets embraced in four or more sectors, each net having an opening made from the periphery or near it, and from which there is an escape passage from the center of the wheel, leading to a chute connecting with a cage net, all so arranged that the wheel being located in a fishway to be rotated by the water flowing against it or by another wheel attached to the shaft outside of the fishway, the mouths of the passages into the nets of the wheel will open at the rear of the wheel to the fish ascending the stream, to be entered by them as they attempt to pass under the wheel. As that side of the wheel rises the fish will be caught, carried up, and shunted out into the chute, by which they will be delivered into the trap cage.

A novel field stove and kit has been patented by Mr. Walter Clifford, of Fort Buford, Dakota Ter. This invention relates to that class of stoves used in traveling from place to place by soldiers and campers. The object of this invention is to furnish a stove which shall be light, durable, and capable of being packed in the smallest possible space. This is accomplished by constructing the stove body in the form of a parallelopipedon, having removable bottom and top plates; and in attaching to the rear end of said stove a removable extension somewhat less in length and of about half of the depth of said body, said extension having an opening in front coinciding with a like opening in the upper rear end of the stove, a second opening in the back coinciding with a like opening in the stove pipe, and a removable top; and in a stove pipe constructed in two or more sections, said sections decreasing in diameter from the bottom upward, and calculated to fit over each other.

[OFFICIAL.]

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were Granted in the Week Ending

November 21, 1882.

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A printed copy of the specification and drawing of any patent in the annexed list, also of any patent issued since 1866, will be furnished from this office for 25 cents. In ordering please state the number and date of the patent desired and remit to Muun & Co., 261 Broadway, corner of Warren Street, New York city.

Table listing various inventions and their corresponding patent numbers, such as Alarm, Alarm clock, Amalgamator, Animal trap, Announcer, electrical, F. Tanner, Arches, etc., construction, of J. H. Cruse, Auger, well, E. J. Mulkey, Ax, W. T. Makepeace, Axle, vehicle, E. Firth, Axle, vehicle, Gambliee & Haring, Bag machine, C. A. Chandler, Baletie, O. P. Fannin, Baling press, E. E. Fuller, Bar, See Claw bar, Barrel holder, R. Courter, Barrel swing and truck, W. Fankboner, Battery, See Secondary battery, Bed bottom, spring, W. P. Hennion, Bed side rail packing block for shipment of bed rails, J. C. Hannett, Beer, etc., stand for drawing, J. Hinkel, Bench, See Folding Bench, Bilge water indicator, J. M. Fennerty, Bit stock, O. D. Warfield, Backing stand, boot, M. R. Gannaway, Block, See Pulley block, Sawmill head block, Blotter holder, W. J. Coughlin, Board, See Electrical switch board, Book holder, C. J. B. & E. J. Whitehead, Boot or shoe, G. S. Cook, Boot or shoe, J. B. Farrar, Boot or shoe soles, machine for producing stitch-impressions on, L. O. Makepeace, Box, See Folding box, Bracelet, A. Engelmann, Bracelet, J. C. Harrington, Brake, See Sewing machine brake, Wagon brake, Braking mechanism for machinery, Umer & Fowler, Brick and tile machine, E. Fales, Brick machine, R. B. Wilson, Bronze alloys, making, P. Dronier, Brush searing device, J. S. White, Buffer, friction, T. Shaw, Burglar alarm, electrical, C. A. E. Ruebel, Button, stud, etc., sleeve, W. Durand, Buttons from vegetable ivory nuts, forming, J. A. Conley, Calorifere, Eherley & Richter, Cap ornaments, manufacture of imitation bullion, E. R. Zalinski, Car coupling, E. F. Beal, Car coupling, C. Beebe, Car coupling, R. T. Bishop, Car coupling, Eltzroth & Raypholtz, Car coupling, J. A. Frazier, Car coupling, N. M. Hale, Car coupling, E. M. Hobbs, Car coupling, Y. P. Hudson, Car coupling, F. C. Lynn, Car motor, street, L. C. Parker, Car, railway hand, W. J. Brewer, Car wheel, G. W. Miltimore, Cars, sheathing and roofing for railway, Fulton & De Lauo, Carpet renovator, C. Muldner, Carrier, See Hay carrier, Cartridge shells, tool for crimping metallic, W. W. Greener, Caster, O. Penderson, Caster for dining cars, table, J. M. Blackburn, Casting steel ingots, runner for, T. G. Wolf, Catamenial sack and abdominal supporter, combined, I. Wasserman, Chain, endless driving, G. B. Brayton, Chair, See Reclining chair, Chimney top and ventilator, E. R. Stasch, Chopper, See Cotton chopper, Churn power, I. V. Jones, Chute, stock loading, D. E. Hogbin, Clasp, See Album clasp, Claw bar, J. H. Lakey, Coal box and fire iron stand, combined, F. Kersten, Coat, A. J. Tower, Cock and overflow, basin, J. Foley, Cock, barrel, M. Hogan, Cock, water, M. Hogan, Collyrium, W. Schroeck, Colter fastener, E. C. Eaton, Commode, F. Mink, Conduits, method of and apparatus for detecting leakage in, T. J. Bell, Corset, C. A. Griswold, Cotton chopper, scraper, and cultivator, J. P. Dever, Cough remedy, H. Branch, Coupling, See Car coupling, Thill coupling, Crayon or lead holder, F. W. Brooks, Crusher, See Ore crusher, Crutch, J. A. Crandall, Cultivator, H. H. Butler, Cultivator tooth, A. S. Core, Curtain pole ring, J. Kings, Damper, stovepipe, L. & W. H. Berger, Digger, See Post hole digger, Dish, table, E. A. Parker, Disinfectant, F. Petri, Distillation and purification of alcohol, apparatus for the, P. Claes, Doors, stay roller for sliding, W. M. Brinkerhoff, Drier, See Sand drier, Drill, See Grain drill, Drilling machine, R. M. McDermott, Drying machine cylinder, A. A. Brigham