ENGINEERING INVENTION.

A dumping car has been patented by Mr. Augustin C. M. Auguin, of Raincy, near Paris, France. Combined with a truck having transverse shaft with a worm, and the laterally movable body with a transverse rack on its nnder side engaging the worm, are hooks and gudgeons for limiting the outward move ment and forming the axis on which the body turns in dumping, with other novel features, to enable the bodies of cars to be displaced in either direction laterally.

----AGRICULTURAL INVENTIONS.

A check rowing attachment for corn planters has been patented by Mr. Orren A. Shotts, of Osceola, Iowa. It is an attachment capable of being elevated bodily from the ground and adjusted laterally and by votation, the drop being automatically operated by the action of the check wheels, the invention cover ing various novel features of construction and combina tion of parts.

A plow has been patented by Mr. Edward B. James, of Thomasville, Ga. It may be an ranged as a double plow, or two single plows adjusted to plow two furrows of different depths simultaneously, or it may he used as a cultivator, having two plow 12. Design for a Store and Stable adjoining. With engraving.
13. A Carriage House and Stable of moderate cost. With engraving.
13. A Carriage House and Stable of moderate cost. With engraving.
14. Semi-detached Dwellings at Evanston, Ill. Half page engraving.
15. The Country Residence of George Ebers, Starnberger Lake. Half page engraving.
16. The new Addition to the Metropolitan Museum of Art, Central Park, New York. With energraving.
17. The Historio Monuments of France: The Roma Arch of Mars, at Reims. Half page engraving. beams and adjustable fastening devices for connecting them, with pivoted standards supported by offset braces, the handles having an adjustable support for holding them at different heights.

patented by Mr. John T. Meredith, of Buchtel, Ohio. This invention provides a means whereby the coffin

with curved upper ends, whereby the wood billets may be clamped in the crotch of the buck by an easy and natural movement of the sawyer's foot, and may be quickly released to shift' the wood along the buck.

A show case has been patented by Mr. James H. Flagg, of Brooklyn, N. Y. It has a series of lower compartments, and an upper chamber having an inclined bottom and a glass or transparent cover, with a removable drawer in the upper chamber having a series of compartments, so that samples will be in full view of the purchaser and the salesman, but need not be disturbed to deliver goods.

An end gate for wagons has been patented by Mr. Munn Davis, of Wahoo, Neb. This invention provides a device occupying but little space, to facilitate the dnmping of wagons and carts, dump cars for coal or ore, steam shovels, excavators and dredgers, the device being adapted to dnmp the load by a single movement, and while the apparatus to which it may be attached is in any given position.

A spring clasp for gloves has been patented by Mr. Siegmund Bernhardt, of New York City. a new table of foreign coins, etc., etc. It has two side pieces, with several holes for securing them to the glove at the placket, between the lining and the outer part of the glove, the side pieces being hinged by a pin at the point of opening, and one of the side pieces having attached thereto a flat pointed steel spring to hold the clasp closed or open, as desired.

A drawer has been patented by Mr Joseph H. Knaus, of Fayette, Mo. The invention covers a combination by which an endless strand, of cord, wire, or chain, passes around pulleys at the front and rear of the casing, at opposite sides of the drawer opening, whereby the binding of the drawer in moving it in and out of its casing will be prevented, and the friction obviated. A combined screen and storm door has been patented by Messrs. Louis Guthrie and William G. Baumgardner, of Filer City, Mich. In a door having a screen-covered opening there is a rabbeted moulding around three edges of the opening, a panel sliding in the ways formed by the rabbets of the moulding, while a fourth piece of moulding is secured to the outer edge of the panel and completes the border. A filter has been patented by Mr. William T. Nesbet, of Schell City, Mo. It is intended as a rain water filter, by which the water from the roof is strained and filtered before entering the cistern, and has a vertically placed cylinder, within which is a smaller perforated cylinder, to act as a strainer, arranged above the filter proper, the arrangement being such that the strainer and filter can be readily cleaned.

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A line protector for vehicles has been patented by Mr. Fank C. York, of Salina, Kansas. It is intended to prevent the lines of the tharms in driving from being caught under the ends of the thill, the bill dry of walls at of Denthers, Budge on the core and the derive being adapted to be secured to the scarf, stiffening and making a fastening for it. A ditching machine has been patented by Mr. faribabid Stewart, of Keota, Iowa. It has a holow cone with spiral slots, along the edges of which krives are arranged, an elevating sorew or auger with two engravings. Portugal Laurels by the bealbalk of the machine over the ground simultane

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