A railroad switch has been patented by Mr. John J. Peetz, of Galveston, Texas. It is designed for operation by trip bars on a locomotive or car to open or close the switch, and without injury to the rails or actuating mechanism, or danger of derailing the cars, the invention covering various novel details and combinations of parts.

A car coupling has been patented by Mr. James F. Thornton, of Nicholas Court House, West Va. Combined with a drawhead having a link mortise and a vertical slide bar with a crosshead is a coupling pin, so arranged that the pin may be elevated for the insertion of the link by the contact of the crosshead with grapple hooks or bars, and cars may be coupled or uncoupled without the operator going between them.

AGRICULTURAL INVENTIONS.

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A corn planter has been patented by Mr. Anderson Bussey, of Columbia County, Ark. Combined with a frame, plow, and covering shovel is a corn-dropping box rotating on a shaft held on the novel features, the machine being adapted to be operframe, the box having supplemental boxes communicating with openings in the sides of the dropping box and being provided with slides to regulate the outflow of the dropping box.

A check row corn planter has been patented by Mr. August F. Tiede, of Deep Creek, Iowa. It is designed to drop hills of seed in accurate check row irrespective of the contour of the ground surface, while the seed-dropping mechanism may be set independently of the mechanism which drives it, to correct irregular dropping and to assure proper starting of the machine at the end of a field.

MISCELLANEOUS INVENTIONS.

An inkstand has been patented by Mr. Frederick Mitchell, of Brooklyn, N. Y. It is double, one inkstand serving as a cover for another beneath, the parts being detachable, so that they may be used singly.

A rafter gauge has been patented by Mr. John N. Cruson, of Elizabethtown, Ill. It has adjustable and sliding beveis, and is intended especially for aiding in determining the length and bevels of hip and jack rafters commonly used in hip roofs.

A weather strip has been patented by Mr. Franklin P. Burcaw, of Hazleton, Pa. This invention covers a novel construction and arrangement of through the hames crease of the collar, and folded down parts and details, including flanged strips fitting into channels in moulding all around the door, whereby all bottom, side and top draughts are effectually precluded.

A sign has been patented by Mr. Andrew F. Foans, of New York City. The letters are each attached to a bent and counterweighted rod journaled in a board or other support, so that the motion or jar of a car, stage, or other conveyance will set the letters in motion to attract public attention.

A folding coop has been patented by Mr. William E. Tate, of Weatherford, Tex. The side, end, and top sections and partition are formed of which is strong and rigid in use, and which may be folded in a very compact form for transportation or storage.

A churn cover has been patented by Mr. Anderson B. Cosby, of Richmond, Va. The top | detachable chin strap. edge of the churn body has a marginal metal ring, with upwardly projecting hook-shaped lugs cast upon it, its inner edge being slightly raised to form a bead upon which a wooden cover fits and makes a tight joint, the invention covering various other novel features

A trotting harness has been patented by Mr. John H. Whitaker, of Davenport, Iowa. It has a shackle strap or collar inclosing the hind leg above the hock, with a yielding connection between the collar and the shaft, which will not impede the travel of the animal, but will act as a restraint causing him to travel with his hind legs wide apart.

A sash fastener has been patented by Mr. Jerome B. Kester, of Clarksburg, West Va. It consists of a gravitating latch pivoted to the sash and adapted to a notch or detent at the window frame, provided at its pendent part with a shoulder, a gravitating lock being pivoted to the window sash and adapted to overlie the latch shoulder, with other novel features.

A display box for neckties has been patented by Mr. John W. M. Uhrig, of New York City. It has side walls provided with longitudinally and in wardly extending wings, designed to support bow portions of the neckties for display, and permit a disposition of the tying strips beneath as a shield from view and also from dust.

A gate hinge has been patented by

into hay mows and over the tops of hay stacks, and depositing it in any desired point within the range of the apparatus.

A trace detacher has been patented by Mr. John D. Blakeman, of Smith's Grove, Ky The whiffletree has a projecting stud, on which loosely fits a collar with a guard arm and an inwardly projecting arm and loosely pivoted lever, which may be operated by the driver to detach the trace in case of accident or if the animal should run away.

A horse detacher has been patented by Mr. Noah Crim, of Galton, Ill. On each end of the whiffletree is a ferrule with spiral spring, socketed eye and passage for trace-holding bolt spindle, from which flexible connections are guided to a common point, and by drawing upon which all the bolt spindles will be withdrawn at the same time and the traces released.

A grading and ditching machine has been patented by Mr. John C. Sage, of Atlanta, Ga Combined with a main frame carrying plows is an adjustably connected conveyor to receive the earth from the plows, with power wheels and pulleys, and other ated by hand power or a traction engine

A hav press has been patented by Mr. George Ertel, of Quincy, Ill. The invention covers imrovements on a former patented invention of the same inventor, whereby the cost of the press is reduced and its length and weight materially lessened, for increased facility in drawing over rough roads, and time and labor are saved in pressing the bales.

A mould for casting loose pulleys has been patented by Mr. John McCaffrey, of Lawrence, Mass. The invention consists in the combination of an internal disk core, an external ring core, with lugs on one of such parts, in a novel manner, whereby each pulley is formed in one piece, provided with a central oil cham ber, radial ribs, and lateral openings for the admission of oil to the central opening.

A fastener or holder for paper or other materials has been patented by Mr. Cecil M. Durnil, of Fayette, Mo. It consists of a piece of spring wire bent to form a spring clamping arm, having an inner bent front holding-end portion and rear stiffening coil, the latter terminating beneath the clamping arm in a forwardly extending arm, to be attached to a board or other surface for clamping or holding articles.

A sweat pad fastener has been patented by Mr. Albert Hobt, of Wellston, Ohio. Combined with the collar and collar pad is a cotter-shaped fastening of malleable metal passed through the pad and at its perforating ends within the crease, snugly fitting within the crease, and holding the collar and pad securely together.

A seat or back fastening for furniture has been patented by Mr. John M. Sander, of Bloomsburg, Pa. This invention relates especially to fasten ings adapted to secure seats or backs of school furniture to the arms or irons connecting them to the seat arms or standards, dispensing with key or wedge fasten ings, and covering novel features of construction and combinations of parts.

A head rest for coffins has been patented by Mr. John McGrath, of New York City. It conwire or metal frames, with wire netting, making a coop isists of a base to which is attached a longitudinally curved plate adapted to the contour of the neck or head, a concave plate being transversely attached to the curved plate, with means for vertically adjusting the combined plates over the base, in connection with a

A spark arrester has been patented by Messrs. Frederick Bruhn and Jerome Raum, of Fort Shaw, Montana Ter. It consists of a series of spaced and graduated parallel screens and retaining standards, with outwardly projecting upper ends and knobs, to prevent sparks and cinders passing from the chimney stack, and throw them downward to the base of the chimney or stack.

'A telephone receiver has been patented by Mr. Alonzo W. Brown, of Evanston, Wyoming Ter. A box is secured between the poles of a permanent magnet, and in the extremities of the magnet are threaded holes into which are screwed inwardly extending polar extensions, the usual diaphragm being replaced by a tongue arranged to vibrate between these extensions in unison with the vibrations of the current,

A safety appliance for elevators has been patented by Mr. Augusto Stigler, of Milan, Italy. It consists of wings pivoted at their outer sides beneath the floor of the cage, and having hook levers, in connection with levers pivoted beneath the end beams of the floor of the cage, with other novel features, whereby, when the elevator descends too rapidly, or the attendant loses control of it, the cage, will be automatically retarded or stopped.

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- Elevations and floor plans of two dwellings of moderate cost.
- Perspective view and floor plans of a house for Six Thousand Dollars.
- Floor plans and elevations of a substantial resi dence at Tuxedo Park .- James Brown Lord, architect.
- Perspective and two plans of a Cape Cod cottage of 6. moderate cost.
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- on Long Island. 9. Sketch of a one story residence erected at Birming-
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Mr. Oscar M. Hawley, of Church's Corners, Mich. It is an improvement in that class of hinges in which the gate may be slid back in the hinge, and the hinge turned upon its vertical axis, carrying the gate with it, the device being equally adapted to rail, picket, or wire gates.

A hospital transfer bed has been patented by Elizabeth D. Staples, of West New Brighton, and Hugh E. Ashcraft, of Goshen, N. Y. It consists essentially of an endless carrier belt or mattress. mounted on drums or rollers journaled in the bed frame, for easily transferring patients from one cot or bed to another.

A bridle bit has been patented by Mr. Oscar R. Gleason, of New York City. It has a mouth piece square in cross section, and side rings with down wardly projecting arms, these rings having upwardly projecting loops or eyes, the latter serving for use with a curb strap passing under the jaw for vicious or unruly horses

A hay carrier has been patented by Messrs. Lindley and Ellwood Clark, of Cuba, Ohio. The invention covers a novel construction and arrange

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