

RECENTLY PATENTED INVENTIONS.

Electrical Devices.

LOCKING-INSULATOR.—L. STEINBERGER, New York, N. Y. Mr. Steinberger's invention relates more particularly to an insulator for carrying wires for electric light and power and for telegraph and telephone services and in all other relations where wires are required to be insulated from their supports. It saves time and money now wasted on tie-wires. By its use an unskilled workman is able to fasten and lock the wire to the insulator. It also tends to save battery-power now wasted incidental to leakage from tie-wires and is ready for mounting without the use of pins and boring-tools.

INSULATOR-SUPPORT.—L. STEINBERGER, New York, N. Y. This improvement has reference to insulator-supports and admits of general use, but is more particularly adapted for use with a type of insulator employed for supporting outdoor wires which are exposed to the action of the weather. When the device is mounted any rain, sleet, or snow which may fall within the recess made to guide falling elements, is guided off and escapes downwardly at a comparatively low point. The cross-beam is thus protected from the action of water, sleet, etc.

HYGIENIC TELEPHONE-RECEIVER.—L. STEINBERGER, New York, N. Y. The inventor's aim is to provide a receiver with a removable hygienic member for protecting the ear from immediate contact with the receiver, also for preventing the receiver from rolling when resting upon its side, also to provide a receiver with a yielding member which will act as a cushion for preventing injury to the receiver, also to provide the receiver with a shield for excluding extraneous sounds from the ear, and to act as a protective covering for the receiver.

MAGNETIZING APPARATUS.—J. B. SHERRIN, Butler, Pa. The invention refers to apparatus for transforming bars of iron or steel into permanent magnets, its principal objects being to provide a simple apparatus of this class which may be energized for a limited time by the insertion of a coin or like conducting element. It may be employed as an amusement apparatus and at a profit to the person maintaining it and is also of utility in producing small magnets for various purposes.

Of Interest to Farmers.

HEADER AND SHREDDER.—W. GILES, Amarillo, Texas. In this case the invention relates to improvements in machines for heading and shredding kafir corn, Milo maize, cane, wheat, and other grain, the object being to provide a machine of this character that may be operated with comparatively little power and that will effectually separate the grain from the stalks without tearing or breaking the bundles.

COMBINED CULTIVATOR AND HARROW.—S. A. WARE, Hyde, Ga. The cultivator is adapted for lateral adjustment, so that the two opposite sets or rows of cultivating-teeth may be placed nearer each other or farther apart, as the conditions of the crop to be cultivated require. The object is to simplify the attachment of the cultivating devices to the beam of the implement and to facilitate the lateral adjustment of the teeth and also to facilitate the insertion of the cultivating-teeth in the removable frame of the sockets.

COTTON-CHOPPER AND WEED-CUTTER.—C. S. SIMMONS and W. N. ROSE, Cache, Oklahoma Ter. The purpose in this improvement is to provide details of construction for a cotton-chopper and weed-killer that may be attached upon the frame of an ordinary corn or cotton cultivator or be mounted upon an individual frame and afford reliable means for cutting off weeds at their roots at the sides of rows of cotton-plants, cut out suckers and extraneous plants between such as are to be left standing, and also stir the soil between such standing plants in a row as the machine is progressively moved along the rows of plants.

LAMP FOR HEATING BROODERS.—G. C. CHASE, Pinehurst, N. C. The object of the inventor is to provide a lamp which is especially adapted for heating brooders, but may also be used for heating purposes in general. Means are provided for preventing the heat of the lamp raising the temperature of the tank above the danger-point; to permit handling of the lamp without spilling the water or other cooling liquid; and concentrating the greatest amount of cooling liquid at the point nearest the source of heat, thus more effectually preventing overheating of the combustible liquid. The chimney is very low and at the same time affords perfect combustion, thus enabling the lamp to be used in a small space.

MILK-STRAINER.—J. O. LINDEN, Prophetstown, Ill. Mr. Linden's purpose is the provision of a strainer and cooler for liquids which is also adapted to act as a cover for a pail or other receptacle. The strainer is especially designed for straining milk, cream, etc.; and also to effectually and quickly cool the same, thereby removing all of the animal heat and odor from the same. The invention also includes a novel form of cooling-tank to be used in connection with the strainer.

ASPARAGUS-CUTTER.—J. O. BOWDEN, Wil-

lington, N. C. The invention refers to improvements in devices for cutting asparagus from the hills, the object being to provide a device of this character of inexpensive construction, by means of which the individual stalks or shoots may be readily severed from the crown or root without in any manner damaging other roots growing from the crown or breaking the tip of the cut shoot.

Of General Interest.

EARTH-BORING DEVICE.—H. L. ZANDER, New Orleans, La. The principal objects of the invention are to obviate and overcome the disadvantages and objections of hitherto partially successful operations of devices of this character, and to provide earth-boring devices readily operated and controlled. Further, to provide devices by which earth specimens may be obtained from any desired depth of the earth in practically the state of original consistency and geological formation thereof.

BOTTLE AND STOPPER THEREFOR.—A. J. SWAIN, Houghton, Mich. The purpose of the inventor is to provide a bottle and stopper for the same so constructed that after the bottle has been filled and sealed and emptied of its contents it cannot be refilled and again presented as an original package without evidence of the fact being made apparent.

BOTTLE CLOSURE.—W. H. SHEFFIELD, Hobart, N. Y. The object of this invention is to provide a closure, more especially designed for closing bottles containing milk and like liquids and arranged to properly connect the cap with the bail, to hold the bail on the cap against lateral movement and to permit reuse of the cap by allowing regalvanizing or plating of old caps without danger of disconnecting or displacing the bail on the cap.

SAW-TOOTH TOOL.—T. OLSEN, Manistee, Mich. In this case the invention relates to improvements in tools for operating on the teeth of saws, particularly crosscut-saws, an object being to provide a tool of this character having a part or parts for setting teeth, a swaging part or parts, and a set-gage, thus providing a very convenient and handy tool.

HORSESHOE.—V. PIEDLATE, New York, N. Y. In this patent the improvement refers to horseshoes, the inventor's more particular object being, first, to give the shoe such a construction as will make the same comfortable upon the foot of a horse, and especially where the horse's foot is diseased, and, second, to prevent the shoe from slipping upon the pavement.

SHOE-LACE FASTENER.—SARAH LIPKOWITZ, New York, N. Y. The object in this improvement is to provide a fastener or clasp forming an integral part of each flap of a laced shoe or boot and arranged to combine a top eyelet for the passage of the shoe-lace and a clamp for the end of the bow to hold the same at all times in proper position with a view to enhancing the appearance of the shoe on the wearer's foot and to prevent the bow from becoming untied while the shoe is worn.

DUSTER.—LILLIAN MCM. LEA, New York, N. Y. By this invention, when a tube of fabric is mounted upon the handle, it furnishes a convenient and sanitary dusting device which will operate over a large surface. The fabric becoming soiled or dust laden, it may be readily removed from the holder and beaten or boiled to sterilize it. The fabric's loose soft character is such that it readily takes up and retains dust. By the construction great strength and durability are attained, the doubling of the main strips at outer ends of the tube offering necessary resistance to breaking through of the holder, while the tape reinforces the entire structure and with the lines of stitching, prevents its being drawn out of shape or unraveled.

DRAWING INSTRUMENT.—F. E. JENKINS, New York, N. Y. This instrument is particularly designed for describing ovals and other irregular or varying outlines, the object being to provide a tool for this purpose that will be simple in construction, inexpensive, and that may be quickly adjusted for the desired lines and easily manipulated.

PROCESS OF MAKING GLASS.—W. E. HEAL, Marion, Ind. The inventor has as an object in view a process of making window or sheet glass by drawing a tubular sheet of molten glass having two partially-flat sides connected by semi-cylindrical or rounded ends, cutting the cylinder so drawn into suitable lengths, annealing the severed pieces, and cutting away the rounded connecting ends to form a plurality of flat sheets.

GRAVITY-LEVEL.—T. F. DECK, Toledo, Ohio. In the present patent the object of the invention is the provision of a new and improved gravity-level which is exceedingly sensitive and arranged to automatically and accurately indicate horizontal and vertical positions and the angle of deviation when placed out of horizontal position.

STOP-COCK.—R. Y. BUERGER and D. C. BUERGER, Albany, N. Y. This invention has reference to improvements in stop-cocks particularly adapted for discharging a thawing medium, such as alcohol, into a frozen gas pipe, the main object being to provide a stop-cock for this purpose of simple construction, and so arranged as to hold a quantity of liquid ready for instant use and that

under any condition or position will prevent the escape of gas.

SELF-FASTENING BUTTON.—E. NOELLE, Ludenscheid, Germany. In the present patent the invention has reference to improvements in self-fastening buttons of that kind which can be attached quickly to the fabric of any part of the clothing or garment without thread and needle stitching and without requiring special appliances for connecting the head to the shank of the button.

Heating and Lighting.

HOT-BLAST STOVE.—F. L. WHITE, Pittsburgh, Pa. Mr. White's invention consists in an improved construction of hot-blast stove having in the lower regenerative chamber an improved arrangement of supporting-arches and having the regenerative passages between the upper and lower regenerative chambers formed in a body of novel checker-brick laid so as to break joints and present a bonded structure.

WATER-HEATING DEVICE.—E. J. ROBERTS, Kearsarge, Mich. This invention pertains to means for heating water for lavatory or other purposes, and has for its object to provide a novel simple attachment for a stationary washstand which will enable the instant heating of water by its intimate mixture with steam as the water is drawn into the wash-bowl for use.

RADIATOR ATTACHMENT.—ELIZABETH L. BETTS, Butte, Mont. The purpose of the improvement is to provide an attachment to a steam-radiator whereby steam can be conducted to a vessel containing an article or articles of food for the purpose of cooking the same or to a bath-cabinet to introduce steam therein with or without medication. Another purpose is to provide a means whereby the attachment may be readily applied to the escape valve and expeditiously moved without marring the radiator or interfering with its usual functions.

Household Utilities.

SANITARY CLOSET SEAT.—R. L. DEZENDORF, 507 East 37th Street, New York, N. Y. Mr. Dezendorf has received a patent for an improved closet seat and attachments which, on account of the more natural position of the person during its use, is more hygienic and sanitary than ordinary closets. The essential features of the invention are devices, applicable to any closet, for elevating and adjusting the front portion of the seat at any desired angle, whereby the knees of the user are raised in such a way as to bring the weight of the body on the legs and feet, and cause certain muscles affecting the bowels to become more active and efficient than in the ordinary attitudes usually assumed.

We are informed that the improved seat has been approved by physicians and that the patentee is about to introduce it to the trade.

Machines and Mechanical Devices.

WORK-TALLYING DEVICE.—J. H. TIPPET, Eau Claire, Wis. The invention relates to improvements in devices for automatically indicating the number of pieces of work turned out by a machine, the object being to provide a tallying device in connection with a machine that may be set for any predetermined number of pieces of work that it is desired to include in one batch or set and that will cause an alarm or cause stopping of the machine when the required number shall have been reached, thus relieving the machine attendant of considerable responsibility and loss of time.

ORE-CONCENTRATOR.—M. E. PARKS, Torreon, Coahuila, Mexico. Preferably, the inventor employs a rectangular structure, divided interiorly into compartments, respectively, the "concentrator-box," the "tailings-box," and the "slimes-box;" the compartments preferably extending full width of the structure and being in communication one with the other. Within the concentrator-box he employs a jigger or screen-box, combined with which is a deflector, said elements being supported in position by special means therefor, suitably mounted above and transversely of the concentrator-box. Special means are employed for imparting a vertically-reciprocating motion to the jigger and deflector.

HAT-MAKING MACHINE.—M. A. CUMING, New York, N. Y. The invention relates to hat-making machines, and admits of general use, but is more particularly adapted for service in such machines as shape or form bell-crown hats of felt, straw, or other fabric and in which it is desirable that the work may be turned out rapidly and uniformly.

FRUIT-PITTER.—A. F. BIEHLER, Hoboken, N. J. In this case the invention has reference particularly to machines for pitting olives, an object being to provide a simple and comparatively inexpensive machine for this purpose by means of which olives may be pitted readily without destroying the fruit in any manner. An attached adding device records the number of olives pitted.

Pertaining to Vehicles.

END-GATE FASTENING.—P. J. HURLEY, O'Connor, Neb. This invention has reference to end-gate fastenings using a transverse tie-rod. The aim is to provide a fastening arranged to prevent the handled nut of the tie-rod from jarring loose, and to permit the operator to quickly unlock the nut whenever it is desired to unscrew the nut with a view to removing the end-gate.

PROTECTOR FOR PNEUMATIC TIRES.—E. LAPISSE, 9 Rue de la Barrière, Elbeuf, Seine Inférieure, France. This protector for pneumatic tires is intended to be located between the covering and the air-chamber and to be independent of these two parts. It comprises, essentially, a strip of soft and elastic material, such as rubber, in which are incorporated strips of heat-insulating material and between the latter a strip made up of metal pieces or chain mail and of an elastic material covering the rings and filling the interstices of the latter.

VEHICLE-BRAKE.—D. BERRY, Fishrock, Cal. The object of this improvement is to provide a brake for vehicles which will be very powerful, be easily operated by foot-power, and capable of release by changing the pressure of the feet of the operator. The brake may be applied upon heavy or light wheeled vehicles of all kinds which will permit the placing of a treadle-lever upon the vehicle-body in front of the seat for the driver who operates the brake and allow a connection of the treadle-lever with the brake-shaft.

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