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INVENTIONS PATENTED.

NOTE—Patents are granted for 15 years The term of years for which the fees have been paid, is given after the date of the patent.

No. 23,516. Buggy Boot. (*Coffre de Voiture.*)

John W. Leek, Cincinnati, Ohio, U.S., 2nd March, 1886; 5 years.

Claim.—1st. A boot, composed substantially of the skeleton frame adapted to fit the edges of the buggy-body, and covered with fibrous material stretched over and secured to the frame, and finished by the moulding *d* secured upon and over the edges of the frame, substantially as specified. 2nd. In combination with the frame *a*, the leather *C* secured by the hook-seam *l*, substantially as specified. 3rd. In combination with the frame *a*, and the covering *C* secured upon it, the moulding *d*, provided with the hooks *e* bent over the edges of the frame, substantially as specified. 4th. In combination with the buggy *a*, the boot *B*, composed of the frame *a*, and covering *C* secured to the buggy on pivots *n* fixed to the frame, and turning in the sides of the buggy, substantially as specified.

No. 23,517. Folio Register for Type Writers.

(*Compte. Folio pour Graphotypes.*)

Harvey W. Yonley, Denver, Col., U.S., 2nd March, 1886; 5 years.

Claim.—1st. The combination, in a device for registering folio work on type writers, of the frame consisting of the back *Q*, side and end pieces *N* holding in position a glass plate *P* and dial *A*, dial *A* being fastened to said frame, hand *H* pivoted to axle *A*¹, said axle terminating in a squared end *U*, ratchet-wheel *B* pivoted to said axle *A*¹, ratchet-wheel *C* loose on said axle *A*¹, washers *t* and *T* separating said ratchet-wheels *B* and *C*, and dial *A*¹ hub *B*¹, separating wheel *B* from back *Q*, lever *D* pivoted on *t*, post *R*, and bearing on its long end the arm *O*, pawl *E* pivoted to said lever *D*, spring *N*, *K*, dogs *F* and *G* pivoted on screw *F* fastened to back *Q*, washers *S* and *T* separating said dogs, and back spring arm and key *I*, cam *M* and post *R*, substantially as shown and described and for the purpose set forth. 2nd. The combination, substantially as hereinbefore set forth, of the dial *A*, the hand *H*, the axle *A*¹, lever *D*, the post *R*, the spring *K*, the finger *E*, the ratchet-wheels *B* and *C*, the dogs *F* and *G*, the back *Q*, the spring arm and key *I*, the rim *N*, the washers *S* and *T*, the cam *M* and the stop *J* securely attached to the back, as specified.

No. 23,518. Wheel. (*Roue.*)

William P. Bettendorf, Peoria, Ill., U.S., 2nd March, 1886; 5 years.

Claim.—1st. A hub, in combination with spokes secured in position by a rivet-head within the interior of the hub, and a flange or head on the exterior, substantially as described. 2nd. In a wheel, the combination of the hub, constructed with tubular projections *a*, with the spokes *B* secured in the projections by inner and outer flanges, between which the walls of the projections closely fit, substantially as described. 3rd. A hub, made of a single piece of metal, consisting of a main portion *A*, provided with a series of projections *a* integral therewith, each having an opening *a*¹ and a countersink *a*² at its inner end, substantially as and for the purpose specified. 4th. A hub, consisting of a main or body portion *A*, and a series of projections *a*, each having an opening *a*¹, with a countersink *a*² at its inner end, and a countersink *a*³ at its outer end, substantially as specified.

No. 23,519. Grinding Mill. (*Moulin à Moudre.*)

George W. Dryden, Port Perry, Ont., 2nd March, 1886; 5 years.

Claim.—1st. A hardened steel disc *B*, inserted between the end of the spindle *A* and disc *C*, substantially as and for the purpose specified. 2nd. A disc *C* attached to the adjustable spindle *D*, having a toothed wheel *E* fixed to it, in combination with the lever *F*, actuated by the spring *G*, substantially as and for the purpose specified.

No. 23,520. Hame. (*Attelle.*)

Ezekiah Latchaw, Batavia, N.Y., U.S., 2nd March, 1886; 5 years.

Claim.—1st. An improved hame and trace connection, consisting of a plate having hinged connections to a hame, and also adjustable hinged connections to the clip of a trace. 2nd. The combination, with the hame, of a harness, of the eyebolts secured therein, the plate having slots for receiving the heads of the bolts, the said plate also having formed on its surface a series of lugs adapted to secure a bolt, which passes through the clip of the trace to adjust the same for the relief of the horse's neck and shoulders.

No. 23,521. Ventilator. (*Ventilateur.*)

Charles Clatbo, Toronto, Ont., 2nd March, 1886; 5 years.

Claim.—1st. A casing *B* having a series of openings *a* made in it near its base, and an opening at its top leading through the roof or ceiling of the apartment, in combination with a horizontal partition *H*, located substantially as and for the purpose specified. 2nd. A casing *B*, having a series of openings *a* made in it near its base, and an opening at its top leading through the roof or ceiling of the apartment, in combination with the partition *H* and diagonal partition *T*, substantially as and for the purpose specified. 3rd. A casing *B*, having a series of openings *a* made in it near its base, and an opening at its top leading through the roof or ceiling of the apartment, in combination with the partition *H*, diagonal partition *T* and hinged doors *J*, substantially as and for the purpose specified. 4th. A casing *B*, having a series of openings *a* made in it near its base, and an opening at its top leading through the roof or ceiling of the apartment, in combination with the partition *H*, diagonal partition *T* and hinged doors *J*, operated by the spindles *K*, connected together by the rod *L*, worms *m* and worm-pinion *n*, substantially as and for the purpose specified. 5th. The revolving ventilator *E*, having a side-opening, with flanges *q*, and attached to a sleeve *r*, having a bearing collar *f* lubricated from the oil cup *h*, in combination with the collar *e* formed on the bracket *G*, substantially as and for the purpose specified. 6th. A ventilator, in which the air passages are divided by the horizontal partition *H*, and curved end *s*, in combination with a hinged valve *R*, substantially as and for the purpose specified.

No. 23,522. Gate Latch. (*Loquet de Barrère.*)

Albert G. Rockfellow, Ashland, Oregon, U.S., 2nd March, 1886; 5 years.

Claim.—1st. An adjustable catch for latches, consisting of a threaded bolt or shank *p*, double inclined circular head *F*, having central groove or notch *F*, provided with end notches *p, p*, and secondary notches or offsets *q*, substantially as specified, whereby the catch is adapted to catch and hold a vertically or horizontally moving latch, as set forth. 2nd. The combination, with the slotted latch case *h*, provided with flanges *h*⁵, of the bolt *h*², spring *h*³, rectangular bolt *h*⁴, locked at its lower end, and tumbler *n*, substantially as shown and described. 3rd. The combination, with an adjustable catch for latches, consisting of a threaded bolt *p*, double inclined head *F* having central notch *F*, with end or transverse notches *p, p*, and secondary notches *q*, of the slotted latch case *h*¹, provided with flanges *h*⁵, bolt *h*², spring *h*³, rectangular bolt *h*⁴, hooked at its lower end, and tumbler *n*, substantially as shown and described.

No. 23,523. Illuminant Appliance for Gas and other Burners. (*Appareil Réfecteur pour Bees à Gaz et autres.*)

Frederick F. Williams, London, Eng. (Assignee of Carl A. Von Welsbach, Vienna, Austria), 2nd March, 1886; 5 years.