lever g., 26th. The combination with the tubular presser foot bar d of the collar d, spring e in recess K1. 27th. The combination in the tubular presser-foot bar of the key grooves ds and the feather key K2 at side of recess K3; 28th. A guard c projecting from the spool case holder for the purpose of preventing the thread hook engaging the needle by either springing said hook invard or the needle outward, 29th. A guard c projecting from the spool case holder in combination with a revolving spool case holder of a removable vibratory hook projecting beyond the edge of said holder and operated by spring power whereby the said hook isalways brought in line with the path of the needle; 31st. The combination with the spool case holder of a spring P1, point P2, guard P3, and pivot P4. 32td. The depressible spring loop hook piece P1, P2-P3 P4 retained in its recess by the parts P2. P4 P3, o. o. 33rd. The combination of spring P1, point P2, guard P3, the P4 and point P in one piece of metal to form a hook piece 33th. The notch s to the side of the office 3, 33th. The combination with the spool case stay S, provided with the escape notch s, of the spool case flager Q4; 36th. The tension nipper Q4 Q6 with adjusting slider Q7 mountle in inchined slot Q8, 37th. The combination with tension nipper Q4 Q6 in combination with the feed slider S, the latter having an office S. through which the nipper passes to hold the spool holder at rest while the holder cup O rotates. 39th. The slader S, in combination with tams N2 and Ny of the shaft N giving the forward and upward motion to the head St of the slader. 40th. The combination with tams N2 and Ny of the shaft N giving the forward and upward motion to the head St of the slader. 40th. The combination with the feed slider S of the cams N2 N3 and spring S, causing the forward, apward and backward movements of the slader, 42ad. The feed plate T, the spring the combination with the lever U with feed ratchet U1 upon its end; 48th. In combination with the lever U and feed plate T, the s

# No. 6360. Improvement on Paper Vessels.

(Perfectionnement des caissenux en papier.)

John Stevens, Port Byron, N. Y., U. S., 21st July, 1876, for 5 years,

Claim .- 1st. The combination of the cross ties C C halved or otherwise Glaim.—1st. The combination of the cross ness UU harved or otherwise attached together and serving as stays to the rim or body of said vessel; 2nd. The combination with the chime, of the interior hoop b serving as a stiffener to the chime and a support to the bottom of the vessel, 3rd. The combination with the chime of the exterior metal hoop D; 4th. The combination with the chime of the exterior metal hoop D; 4th. The combination with the top of the vessel, of the solid half round metallic hoop E.

# No. 6361. Improvements on Brushes.

(Perfectionnements aux brosses.)

Orlando Jenness, Boston, Mass., U. S., 21st July, 1876, for 5 years.

Claim .- The combination of the brush A and the handle C. bifurcated at one end, with the adjusting plate F and the spring catch D and its adjusting spring.

# No 6362. Improvement on a Device for Lighting Fire.

(Perfectionnement à un oppareil à allum r le fen.)

Leonard J. Hewitt, Toronto, Ont., 21st July, 1876, for 5 years

Claim.—1st The combination of a self-feeding apparatus, comprising the globe D, pipe C stopper F tube G and wire H with a vessel A containing assestos a and benzine (or other illuminating fluid) E, 2nd. The charged vessel A without the tube C.

# No. 6363. Dumping Box. (Boile a bascule.)

Joel W. Hiatt and William F. Beck, Iowa Falls, Iowa, U.S., 21st July, 1876, for 5 years.

Claim.—The dumping box A having shaft  $A_{ij}$  and mounted on rockers B having pins  $a_i$  the parallel rack bars E and D, the crank C, pinion  $C_i$  and hab  $C_i$ .

# No. 6364. White Enamel Paint.

(Peinture blanche a email.)

Thomas Ramsay (Assignee of John F Orn, Glasgow, Scot., 21st July, 1876). extension of patent No. 4032) for a years.

# No. 6365. White Enamel Paint.

(Peinture blanche a email.)

Thomas Ramsay (Assignce of John B. Orr) Glasgow, Scot., 22nd July, 1876, (Extension of patent No. 4008) for 5 years.

#### No. 6366. Adjustable Plough Point.

(Soc de charrue mobile.)

Jonathan I. Dawes, Bergen, N. Y., U. S. (Assignce of James A. Codoy) 28th July, 1876, for 5 years.

Claim.-A steel socket plough point, the same being secured to and in symbination with a cast iron plough point or share,

#### No. 6367. Improvements on Elevators.

(Perfectionnements aux élévateurs.)

Dexter S. Bailey, Dover, Me., U. S., 31st July, 1876 (extension of patent No. 5054), for 5 years.

#### No. 6368. Improvements on Elevators.

(Perfectionnements aux elevateurs.)

Dextor S. Bailey Dover, Me., U. S., 31st July 1876 textension of patent No. 5054), for 5 years.

### No. 6369. Improvements on Churns.

(Perfectionnements aux buruttes.)

Pat-ick Fryer, Chambly, Que., 31st July, 1876, for 5 years.

Claim—The rotary churn B of octogonal periphery internally in combination with stub shafts to secured centrally to its vertical sides and bearing on a frame A. 2nd. The hinged jointed screw clamps C for holding the cover to its hearings, 3rd. The trough E bearing on the frame A, in combination with a rotary churn B.

# No. 6370. Improvements on Breech-Loading Fire Arms.

(Perfectionnements aux armes à feu chargeant par la culasse.)

Charles B. Hunt, Springville, Pa., U. S., 31st July, 1876, for 5 years.

Charles B. Hunt, Springville, P.a., U. S., 31st July, 1876, for 5 years.

Claim—1st. The carrier block E. laving quadrangular grooves F in combantion with a loading both t., 2ml. The boaling both G. having a sleeve H united by a left hand screw operating to press the bolt forward when the lever I is turned downwardly into firing position, 3rd. The earrier of constructed with an inclined botton, in combination with a loading both G provided with a hook J for engagement with the cartridge, 4th. The loading both G provided with a sleeve H, the sleeve having lugs a to lock in a chamber in the casing A for locking the both in firing position, 5th. The firing pin Q, provided with a pin P engaging in a slot in the sleeve H for fixing the pin Q when the both G is not in firing position; 6th. The lever I constructed with a detachable section c, 7th. The post K, for tilting the exploded shell, in combination with a carrier block E, 8th. In combination with a carrier block E, a post K adjustable for the purpose described; 9th. The provision to the casing A of a flap cover O hinged thereto, 10th. The provision to the magazine C of a spring R.

#### No. 6371. Revolving Book Case.

(Bibliothèque tournante.)

John Danner, Canton, Ohio, U. S., 31st July, 1876, for 5 years.

Claim .- 1st. In combination with a revolving book case suspended from Claim.—1st. In Combination with a revolving took case suspended from the top of a stationary post, having an oil cup bearing h, the pendent g at tached to the top shelf of the frame and oil duct i; 2nd. In combination with a revolving book case suspended from the top of a stationary post F, the series of horizontal bars B: and vertical strips D to cover the joint, of the shelves and support them; 3nd. A revolving case, for books and other purposes, suspended from the top of a central post by means of a pendent with the shelves are testing. spindle and cup bearing.

#### No. 6372. Revolving Road Scraper.

( Eboucur tournant.)

Edward Huber, Marion, Obio, U. S., 31st July, 1876, for 5 years.

Claim.—1st. In combination with the body A of the scraper, having the horizontal side ribs II, the spring catches G having the lugs d, and the bail D having looped ends, and handles E E attached thereto above the lugs or points at 2nd The inwardly curved upward extensions G formed upon the rear ends of the sides C, 3rd The apron F, attached to the cross bar \$\mathcal{c}\$ of the landles E, to \$\mathcal{o}\$ erlap the back B of the scraper.

#### No. 6373. Refrigerating Room.

(Chambre réfrigérante.)

Moses Kimbail, Montreal, Que., 31st July, 1876, for 5 years.

Claim - The room a, provided with a box d having space e and corresponding space below.

#### No. 6374. Ice Velocipede. (Traincau velocipède.)

Charles M. Day, Elizabeth, N. J., U. S., 31st July, 1876, for 5 years.

Claim—1st The combination with sled of revolving spiral propellar H extending from front to rear, and the shaft I having trendle cranks J, the said shaft being connected with propeller shaft by bevel gears, 2nd. The body of the carriage connected to the runners by springs in combination with a seriew propeller arranged to run at the edge of the blades or vanes on the surface of the ice.

# No. 6375. Machines for Making Napped

Fabrics. (Machine à faire les étoffes à poil ras.)

Lyman W. Whipple, New-York, U. S., 31st July, 1876, for 5 years.

3, 3, lever 12 and cam II.

### No. 6376. Street Railway Car.

(Voiture de railroute-urbain.)

Eustache Picard, Montreal, Quebec, 31st July, 1876, for 5 years. Claim.—The car a provided with revolving brushes g.