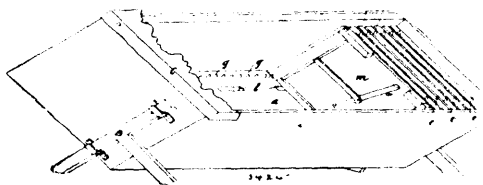


the slide, one to engage the ratchet-teeth and the other to engage the cartridges, and a spring between the slides. 10th. In a machine-gun, the combination with a suitable support, and a gun-frame journaled therein, of an internally screw-threaded sleeve journaled in a bearing pivotally connected with the gun-frame, and a rod pivotally connected with the gun-support and having a screw-like section passing through the sleeve and movable into and out of engagement with the screw-threads thereof. 11th. In a machine-gun, the combination with a suitable support and gun-frame journaled therein, of a rod jointed to the support and longitudinally grooved, a bar fitting said groove and having a screw-cut outer edge, radius links connecting said bar with the rod, springs pressing the bar outward, and an internally-screw-threaded sleeve pivotally connected with the gun-frame and embracing the rod and bar. 12th. The combination with the gun-frame mounted to swing horizontally, and the crank-handle of the firing mechanism, of the lever on the gun-frame having an adjustable pivot and engaged at one end with a fixed support, and connections between the said lever and the firing-crank whereby the lever is moved during the firing and the gun thereby caused to swing laterally, substantially as described. 13th. The combination of the gun-frame mounted to swing horizontally, and the crank-handle of the firing mechanism, of a lever of the gun-frame and engaged at one end with a fixed support, and connections between said lever and the said firing-crank whereby the latter is moved during the firing and the gun thereby caused to swing laterally, substantially as described. 14th. In a machine-gun, the combination with a gun-frame mounted on a transit-plate and a crank for operating the firing apparatus of the gun, of a fixed arm extending radially of the transit-frame, a lever engaged with the outer end of said arm, a slide connected with said lever, and a train of gearing connected with the operating-crank and having associated with a cam in engagement with the said slide, for the purpose described.

No. 54,248. Beehive. (Ruche.)

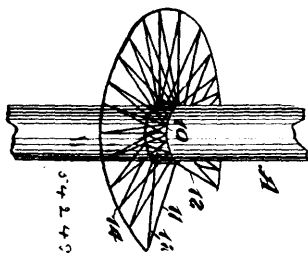


Karel De Kesel, Brussels, Belgium, 2nd December, 1896; 6 years. (Filed 16th November, 1896.)

Claim.—1st. A beehive provided with removable frames of rectangular section resting diagonally on suitable supports and capable of being constructed to accommodate any number of swarms of bees, in which hive the frames which are slid down diagonally downward are retained in place by separators which admit of the said frames being oscillated laterally upon the side resting on the lower rear wall of the hive, each of the frames being capable of being withdrawn from and returned to its place without disturbing the neighbouring frames. 2nd. In a beehive of rectangular section resting diagonally on supports, means for guiding the frames to their place and there maintaining them while permitting them to be laterally oscillated, consisting in making in the lower front wall of the hive a series of shallow grooves extending from the bottom of the hive to near the front of the said wall in securing near the bottom and near the top of the lower rear wall of the hive two series of separators arranged in such a manner as to correspond to the spaces between the said grooves, and in fixing on the sides of the frames screws, pins or other projecting pieces, as hereinbefore described and for the purpose specified. 3rd. A beehive with movable frames of rectangular section resting diagonally on suitable supports and divided in the direction of its height into superposed compartments into which the frames are slid diagonally downward and retained in place by suitable separators, substantially as hereinbefore described.

No. 54,249. Stove-Pipe Shelf.

(Tablette pour tuyaux de poêles.)



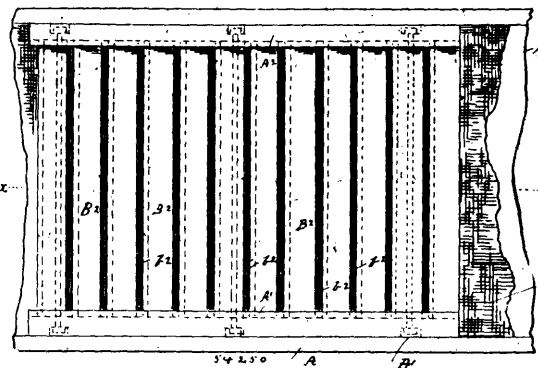
Abram Howard Smith, Vancouver, British Columbia, Canada, 2nd December, 1896; 6 years. (Filed 11th November, 1896.)

Claim.—A stove-pipe shelf, comprising a sheet metal band, radial arms and braces therefor projecting from the band, and a securing

device of the band, consisting of a locking staple adapted to engage its limbs in different perforations of the band near one end of said band, a hook formation on the other end of the band adapted to hook upon the cross bar of the locking staple, and a clasp slidable over the hook and staple to keep them in a locked condition, substantially as described.

No. 54,250. Rifle Grating or Ore Concentrator.

(Grille réfoir pour minerais.)



George H. Evans, Orville, California, U.S.A., 2nd December, 1896; 6 years. (Filed 8th October, 1893.)

Claim.—1st. As a new article of manufacture, a rifle grating constructed so as to provide a series of independent settling chambers when inserted within the sluice box or flume. 2nd. In a rifle grating, the combination with the side or frame pieces, of a series of rifle bars removably secured between the side or frame pieces, each rifle bar designed to form an independent settling chamber when the rifle grating is secured within the sluice box or flume. 3rd. In a rifle grating, the combination with the side or frame pieces, of the rifle bars secured therebetween a given distance apart, and of the angular extension projecting from each rifle bar to within a distance of its opposing bar so as to leave a water passageway therebetween, the rifle bars designed to form when the grating is secured within the sluice box or flume independent settling chambers, of which chambers the angular extension of the rifle bars serves as a cover. 4th. In a rifle grating, the combination with the side or frame pieces having a longitudinal channel cut in the inner face thereof, said channel being intersected by a series of vertical channels, of the rifle bars fitted within the vertical channels, the right angular extending head projecting from the rifle bars fitting within the longitudinal channel of the side or frame pieces, and of devices for locking the said rifle bars between the side or frame pieces. 5th. The combination with the side or frame pieces, of a series of angle rifle bars secured between the said side or frame pieces so as to leave a passageway between each rifle bar. 6th. The combination with a sluice box or flume, of the rifle grating secured with the sluice box or flume, and of a flexible blanket or matting interposed between the rifle grating and the floor of the sluice box or flume. 7th. The combination with a sluice box or flume, of the rifle grating located therein, the bars of which form a series of independent settling chambers, and of a flexible blanket or matting upon which the rifle grating rests interposed between the said grating and floor of the sluice box or flume. 8th. In a rifle grating, the combination with the side or frame pieces, of the rifle bars secured therebetween so as to form a series of independent settling chambers.

No. 54,251. Loom. (Métier.)



The Weaver Jacquard and Electric Shuttle Co., assignee of William Weaver, all of Norwalk, Connecticut, U.S.A., 2nd December, 1896; 6 years. (Filed 6th May, 1896.)

Claim.—1st. The combination in a loom, of the lathe, a movable race consisting of a series of parallel blades supported movably upon the lathe, and means for shifting the same, and a roll 30 bearing upon the fabric, and means for depressing the roll to carry the fabric out of the way of the blades, substantially as set forth. 2nd. In a loom, the combination with the lathe provided at each end with two shuttle boxes, of suitable shuttle actuating means, a shuttle-race consisting of blades or bars supported in sections, means for automatically, positively and successively moving the sections into and out of position between opposite shuttle boxes, and means for fully opening the warp to either or both shuttle-races, substantially in the manner hereinbefore set forth. 3rd. In a loom, the combi-