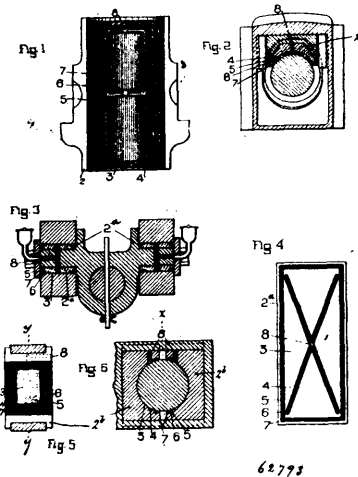


horizontal series, the bearings for the spools in each vertical series being out of vertical alignment, and openings formed in said casing in series corresponding to the alignment of spools, substantially as described. 15th. A display cabinet, comprising a casing, vertical partitions arranged therein, the front face of each of said partitions being arranged inclined to the vertical plane thereof, bearings formed in said partitions parallel to the front face of said partitions, and spools removably mounted in said bearings, substantially as described. 16th. A display cabinet, comprising a casing, and spools removably located therein in vertical and horizontal series, substantially as described.

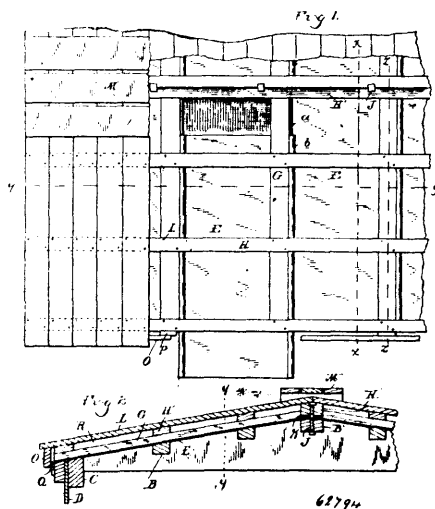
No. 62,793. Journal Packing. (*Garniture de tourillon.*)



Albert C. Smith, Saco, Maine, U. S. A., 2nd March, 1899; 6 years.
(Filed 9th February, 1899.)

Claim.—1st. A plate for the purposes described provided in its working face with oil conducting grooves or cavities having communication with the opposite side of the plate, a packing groove in said working face beyond and completely enclosing or encircling the oil conducting grooves or cavities, which packing groove has no communication with the opposite sides of the plate, whereby when the said groove is packed as described no oil can escape beyond its sides or ends, substantially as described. 2nd. A plate for the purposes described, provided in its working face with oil conducting grooves or cavities communicating with the opposite or exterior portion of the plate, a packing groove in said working exterior to and completely enclosing or encircling the said oil conducting grooves or cavities and out of communication with the opposite face of the plate and the outer marginal edge of the working face, beyond said packing groove, being cut away or rabbetted on all sides, whereby when the packing groove is packed with its oil excluding packing no oil can pass therebeyond and contact of a moving part with an unsealed part of said plate be prevented, substantially as described.

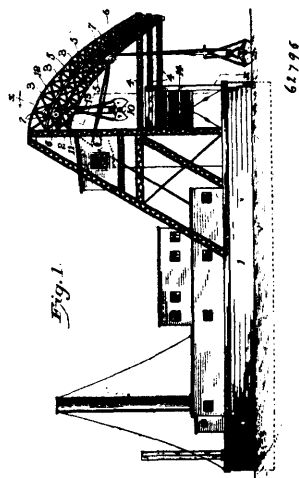
No. 62,794. Car Roof. (*Toiture de chars.*)



Charles H. Hutchins, Detroit, Michigan, U. S. A., 2nd March, 1899; 6 years. (Filed 13th February, 1899.)

Claim.—1st. In a double car roof, the combination of a main roof frame supported upon the car sides and comprising purlins and carlins, a continuous sheet metal covering laid upon said carlins and formed of a series of plate sections extending from the eaves to the ridge, standing joints formed at the edges of the sections which from sliding connections between the same, and an upper roof frame having carlins resting upon said plates, directly above the carlins of the main frame, purlins connecting said carlins, a roof covering on the purlins, and a detachable facia at the outer ends of the super roof, the sections of the sheet metal covering being removable upon the removal of said facia. 2nd. In a double car roof, the combination of a main roof frame supported upon the sides of the car and comprising purlins and carlins, a continuous sheet metal covering laid upon said carlins and formed of a series of plate sections extending from the eaves to the ridge, standing joints formed at the edges of the sections which form sliding connections between the same, an upper roof frame having carlins resting upon said metal plates vertically above the carlins of the main roof frame and adjacent to said standing joints, purlins connecting and carlins, a roof covering on the purlins, and a detachable facia at the outer ends of the super roof, the sections of sheet metal being removable upon the removal of the facia.

No. 62,795. Dredging Apparatus. (*Appareil à draguer.*)



William H. O'Hara, New York City, New York, U. S. A., 2nd March, 1899; 6 years. (Filed 16th February, 1899.)

Claim.—1st. In a dredging apparatus, the combination of a plurality of bow jibs carrying inclined tracks, trolley carriages adapted to travel on said tracks, a series of independent digging clams suspended from said carriages, means for operating said clams, the single inclined chute supported by the dredging boat, and means for effecting the delivery of said clams in dumping position at a uniform distance from said chute, substantially as set forth. 2nd. In a dredging apparatus, the combination of a plurality of bow jibs secured to and overhanging the dredging boat and provided with tracks, the inclined chute supported at the bow of said boat immediately beneath the upper portions of said tracks, the trolley carriages provided with trolley-wheels adapted to travel on said tracks, the two pulleys journaled in the lower portion of each trolley carriage, the digging clams, the cables extending from said clams over said pulleys, suitable mechanism for hoisting and lowering said cables, and means whereby said clams are held in suspension over said chute at a uniform distance therefrom, substantially as set forth. 3rd. In a dredging apparatus, the combination of a plurality of jibs secured side by side to and overhanging the dredging boat and provided with tracks, the inclined chute supported at the bow of the boat immediately beneath the upper portions of said tracks, carriages adapted to travel along said tracks, the digging clams suspended to travel along said tracks, the digging clams suspended from said carriages, cables attached to said clams, and means whereby the clams are delivered in dumping position immediately above said chute and at the same distance therefrom, substantially as set forth. 4th. In a dredging apparatus, the combination of a plurality of jibs arranged side by side and secured to and overhanging the dredging boat and provided with tracks in different horizontal planes, the chute supported at the bow of the boat immediately beneath the upper portions of said tracks and inclined to a plane parallel with the inclined plane passed through said tracks, the carriages provided with trolley adapted to travel on said tracks and having journaled in the lower portions pulleys, the digging clams, and the cables extending from said clams over said pulleys to suitable hoisting and lowering mechanism, substantially as set forth.