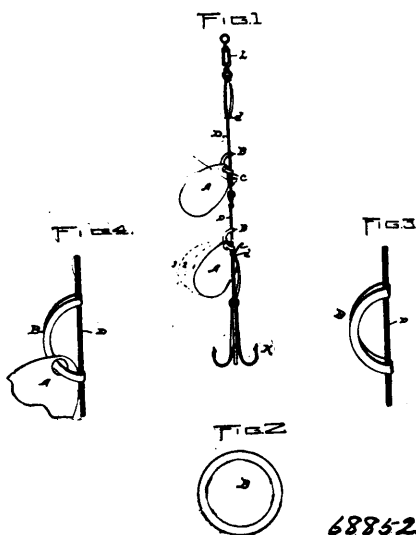
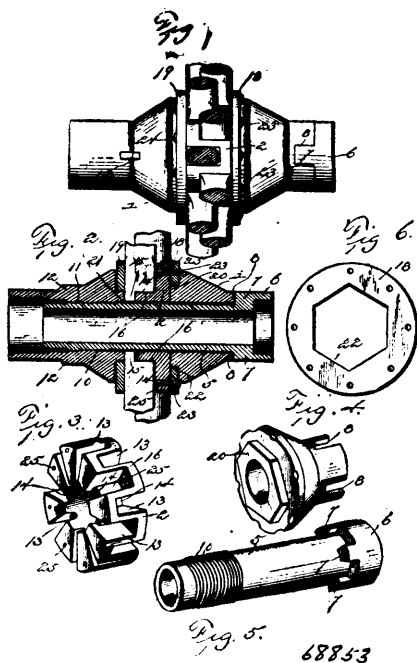


portions adapted to receive a rod longitudinally therethrough, substantially as described. 2nd. A fishing tackle device comprising a



rod for the attachment of hooks and spoons, a metallic ring bent upon itself and serving to mount a spoon on the rod by passing the bent portion of the ring, substantially as described.

**No. 68,853. Wheel Hub. (Moyeu de roue.)**

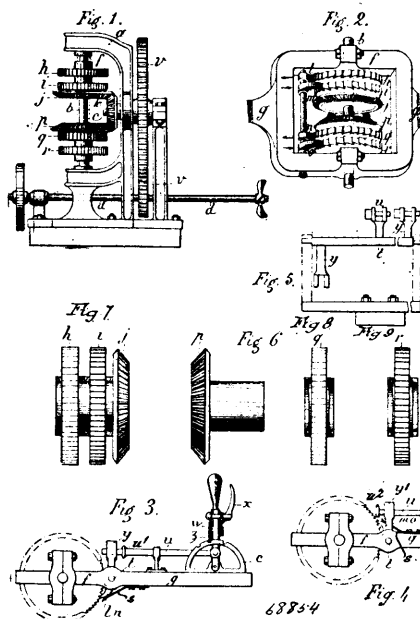


Isaac Allaman, Hummelstown, Pennsylvania, U.S.A., 29th September, 1900; 6 years. (Filed 12th July, 1900.)

**Claim.**—1st. A hub, comprising a central section provided with oppositely disposed mortises or sockets open at the bottom, top and outer side and provided at the bottom with a supporting portion, rings located at opposite sides of the central section, the inner and outer sections fitting against the rings and located at opposite sides of the central section, an axle box fitted within the said sections and connected with the inner and outer ones, and spokes fitting within the sockets or mortises and abutting against the bottoms of the

same and provided with extensions or lugs bearing against the axle box, substantially as described. 2nd. In a device of the class described, the combination of a central hub section provided with oppositely disposed mortises or sockets open at the top and outer sides and provided with bottoms 16 having openings or recesses, an axle box, inner and outer sections connected by the axle box, and spokes fitting within the mortises or sockets and abutting against the bottoms 16, and provided with lugs 15 extending through the recesses or openings of the said bottoms 16 and abutting against the axle box, substantially as described. 3rd. A hub, comprising an axle box having its inner end enlarged and provided with exterior longitudinal lugs, an inner section provided with recesses to receive the lugs and having a polygonal flange, a central section provided with spoke sockets or mortises, an outer section engaging the axle box and provided at its inner end with a flange, and the inner and outer rings interposed between the sections and receiving the flanges and conforming to the configuration of the same, substantially as described. 4th. A hub, comprising a central section provided with oppositely disposed mortises open at the top and outer sides and provided at the bottom with openings, said central section being also provided at opposite sides between the mortises with transversely disposed sockets having interior threads, rings arranged at opposite sides of the central section, fastening devices passing through the rings and engaging the screw threads of the transverse sockets, the inner and outer sections, and the axle box interlocked with the inner section and detachably secured to the outer section, substantially as described.

**No. 68,854. Driving Gear. (Engrenage de command.)**



Marius Chenivresse, Paris France, 29th September, 1900; 6 years. (Filed 9th July, 1900.)

**Claim.**—1st. The combination with a shaft *b*, of two bevelled gear wheels of opposite angle loose on said shaft, each bevelled gear wheel having an extended nave, ratchet wheels having their teeth in opposite direction on the nave of each bevelled wheel, an oscillatory lever *g* journaled on said shaft *b*, a shaft *t* on said lever *g*, pawls on said shaft *t* for engaging the aforesaid ratchet wheels, and a bevelled pinion *k* engaging the bevelled wheels *j* *p*, for the purpose set forth. 2nd. The combination with a shaft *b*, of two bevelled gear wheels of opposite angle loose on said shaft, each bevelled gear wheel having an extended nave, two ratchet wheels *h* *q* having their teeth in the same direction, one on the nave of each bevelled wheel, two other ratchet wheels *i* *r* having their teeth in the same direction and contrary to the direction of the teeth of the aforesaid ratchet wheels, one on the nave of each bevelled wheel, an oscillatory lever *g* journaled on said shaft *b*, a shaft *t* on said lever *g*, pawls *l* *n* in the same direction on said shaft *t* for engaging ratchet wheels *h* *q* and pawls *m* *o* in the same direction and contrary to the direction of the pawls *l* *n* for engaging ratchet wheels *i* *r*, a bevelled pinion *k* engaging the bevelled wheels *j* *p*, and means for alternately shifting either the pawls *m* *o* or the pawls *l* *n* out of engagement with their respective ratchet wheels, for the purpose set forth.