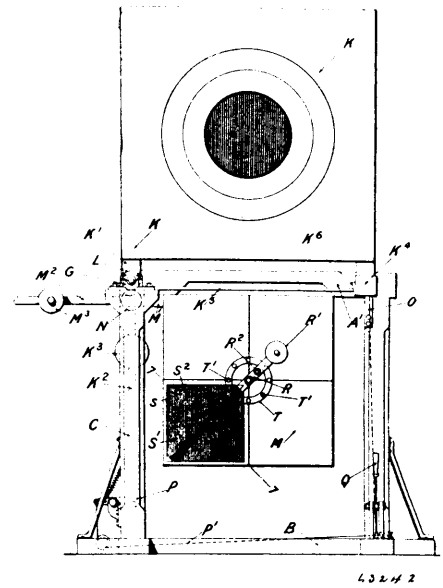
having slotted ends, the top slat having slots of less width and the bottom slat being provided with an under channel, wedge shaped rods carrying spring blades adapted to be passed through the slotted ends of said slats and become engaged with the narrow slotted ends of said top slat, blocks sliding upon said rods and arranged to bear upon said bottom slat within the under channel thereof, and spring pressed pawls adapted to clutch said rods and hold said blocks thereon, substantially as set forth. 69th. A splint frame composed of superimposed slats having slotted ends, barbed spring capped rods passing through said slotted ends and engaging the top slat, blocks sliding upon said rods and arranged to bear upon the bottom slat, and spring pressed pawls carried by said blocks and adapted to hold the slats together by clutching the rods, substantially as set forth. 70th. In a machine of the character described, the combination of framing mechanism, a slat holder, means for transferring slats in single layers from the holder to the framing mechanism, and means for driving splints over the slats transferred from the holder, substantially as set forth. 71st. In a machine of the character described, the combination of a table and splint cutting mechanism with a series of chutes thereabove having there feed openings in a small circle and their discharge openings in a larger circle and lower plane, whereby the splint material is fed down by gravity and spread out before reaching the table and splint cutting mechanism, substantially as set forth. 72nd. In a machine of the character described, the combination of splint cutters with a travelling device having a number of splint material carrying channels placed so as to follow one another while in motion and forming groups of closely adjoining compartments with intermediate spaces of suitable size between each group, substantially as set forth. 73rd. In a machine of the character described, the combination of a framing device adapted to receive slats and splints to be piled in alternate strata therein, with a depressor having parallel bars arranged to bear upon the splint loaded slats, hold down the splints thereon, and guide the slats as they come in, substantially as set forth. 74th. In a machine of the character described, the combination of framing mechanism with splint feeding mechanism and a slat holder discharging into said framing mechanism in directions at right angles one to the other, substantially as set forth. 75th. In a machine of the character described, the combination of a framing device, means for placing slats in layers therein, and means for driving successive rows of splints across said slats to form a group of splint frames in said framing device, the forward rows of splints being driven by the succeeding ones across all the slats in any one layer, substantially as set forth. 76th. In a machine of the character described, the combination of a framing device adapted to receive alternately slats and splints to be piled therein, a reciprocating device for feeding the slats, and a rotary device to cut the splints and drive the same across the slats as they are fed in, substantially as set forth. 77th. In a machine of the character described, the combination of a framing device containing splint loaded slats put up in piles to be divided into several frames, and spring capped rods adapted to be passed through the slats of more than one frame and to engage upon being retracted the top slat of the lower frame through which they are passed, substantially as set forth. 78th. In a machine of the character described, the combination of a table, splint cutters thereon, a splint material or block carrying device moving above said tables, a slat holder and framing mechanism located entirely under said table, a slat holder and framing mechanism for transferring slats from said holder to said framing mechanism, substantially as set forth. 79th. In a machine of the character described, the combination of a slat holder, means for passing slats therethrough, framing mechanism, means for transferring loose slats from the holder, and means for carrying the splint bearing slats through the framing mechanism in an opposite direction to that of the slats passing through the holder, substantially as set forth. 80th. In a machine of the character described, the combination of a table, splint cutters at the edge thereof, and a movable chute for the splint material, said chute having its top located in a central position above the table, and at a higher elevation, and its bottom running downwardly and outwardly toward the cutters, substantially as set forth. 81st. In a machine of the character described, the combination of splint cutters with a chute movable toward the same, said chute being divided in the direction of its travel into passages adapted to convey the splint material to and against said cutters, substantially as set forth. 82nd. In a machine of the character described, the combination of splint driving mechanism, a slat holder, framing mechanism receiving the splints and slats alternately from the splint driving mechanism and the slat holder, and spacing mechanism, substantially as set forth.

No. 63,242. Target. (*Cible.*)

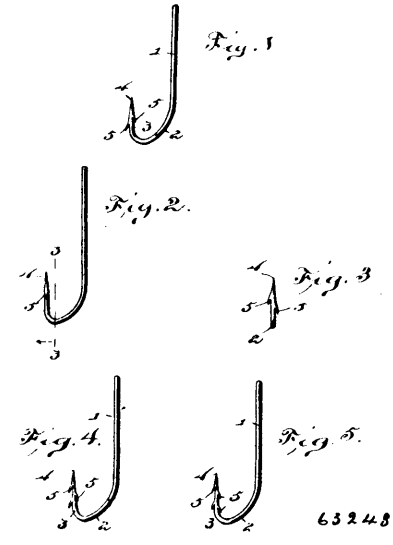
William Parnall and Tom Bell Burns, both of Bristol, Gloucester, England, 10th June, 1899; 6 years. (Filed 15th April, 1898.)

Claim.—1st. The combination with a target and a signalling dummy or second target of gear wheels or other mechanism connecting them together, catches O, P and lever Q and means for operating the catches, substantially as described or illustrated in the accompanying drawings. 2nd. The combination with a target and signalling dummy or second target of gear wheels or other mechanism connecting them together, catches O, P and lever Q, means for operating the catches, lever arms K^2, M^2, and balance weights K^3, M^3, substantially as described. 3rd. The combination with a target signalling dummy of a ring T, T^1, and a pivoted rod R, carrying an indicator S, S^1, S^2 with or without a balance weight, substantially



as described and illustrated in the accompanying drawings. 4th. In a target signalling dummy a duplicate indicating device whereby either a simple bull or a central shot can be signalled, comprising a disc and a flap hinged thereon, the disc underneath the flap being and the same colour so the one side of the flap and the rest of the disc the same colour as the other side of the flap, as described. 5th. In a target signalling dummy, the combination with an indicator plate S of one or more supplementary indicators S^1, S^2, for the purpose described. 6th. In a target signalling dummy, the combination with an indicator plate S, of flap S^1, S^2, arranged and operating, substantially as described and illustrated in the accompanying drawings.

No. 63,243. Fish Hook. (*Hameçon.*)



Silas D. Edgar and Paul E. Wirt, both of Bloomburg, Pennsylvania, U.S.A., 13th June, 1899; 6 years. (Filed 27th April, 1899.)

Claim.—1st. A fish hook having its short arm and shank arranged in substantial parallelism, and said short arm being provided at the side with a lateral barb or barbs pointing in a direction away from and outside of the space between the short arm and the shank, substantially as set forth. 2nd. A fish hook having its short arm provided with a plain tapering point, and below the plane of such point with lateral barbs projecting from the outer side thereof and pointing in a direction away from and outside of the space between the short arm and shank of the hook, said lateral barbs being