ing device such as the described chain with which said latter arm engages and by which it is actuated, and means, such as the cam, and pawl, and ratchet mechanism, for operating said measuring device, substantially as described. Ilth. In a knitting machine, the combination, with the oppositely inclined needle-beds, the rows of needles therein, the yoke reciprocating cam-frames, their actuating mechanism, the sliding needle cam-supporting plates arranged in said frames, the slide-bars and provisions whereby they are operatively connected with said plates, respectively, of the fixed end stops, the laterally movable end stops or blocks provided with the offsets or depressions therein, the rock-arms supporting sail blocks, the rock-shafts, the rod connecting the same, the outer arm on the needles therein, the yoke reciprocating coun-frames, their actuating mechanism, the sliding needle cam-supporting plates arranged in said frames, the slide-bars and provisions whereby they are operatively connected with said plates, respectively, of the fixed end stors, the laterally movable end stops or blocks provided the store of the said of the end of one of said shafts, the mecasuring device such as the described chain with which said outer arm and pawl and ratchet mechanism. In the said outer arm in enzagement with the measuring device, substantially as described. 12th. In a knitting machine of the class recited, the combination, of the measuring chain, the sprocket wheel, its shaft, the ratchet on said sprocket wheel, and the cam on the said of the said outer arm in enzagement with the ratchet wheel, substantially as described. 13th. In a knitting machine, the combination is end of a farm and one great with the ratchet wheel, substantially as described. 13th. In a knitting machine, the combination with the needle bed provided with the open needle-grooves the needles therein having downward bends which project through said grooves and the reciprocating needle, operating outs as said growes, the crossed fingers pivoted on said unts, the longitudinally movable and rotatable study on said shaft adapted to actuate said fingers, substantially as described, means such as the springs of stopping said shaft of, substantially as described, later the said server, the crossed fingers to their normal positional and arm on said rock-shaft, and the pattern chain for starting, reversing or stopping said shaft O, substantially as described. 14th. In a knitting machine, the combination, with the needle-bed provared bends which project through said grooves, and the reciprocating end of the shaft O, the oppositely-pitched screws thereon, the nuts below said shaft, and provided with the open needle-bed, the shaft O, th

rocking lever pivotally connected with said yoke and provided with projecting studs p¹⁵, p¹¹, the arm p¹², pivoted on said bar and provided with the V-shaped end and with the cam slot p²⁵, the pattern chain provided with the series of studs p²⁵, and the stud p²⁵, as described. 22nd. In a knitting machine, the rombination, with the needle beds, the needles therein, the reciprocating needle actuating cams, and the connecting yoke of the longitudinal guide bar provided with the notched finger, the rocking lever pivotally connected with said yoke and provided with the projecting studs p¹⁵, p¹⁵