

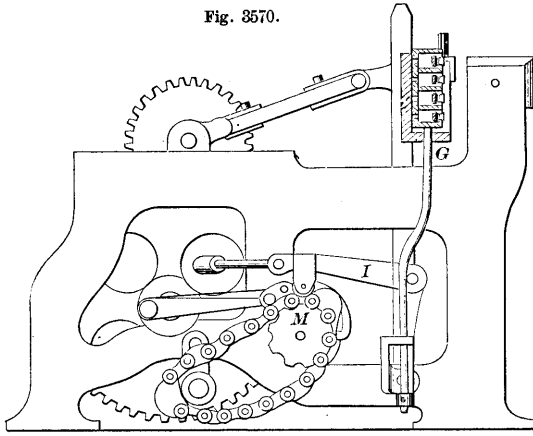
Pattern-chain. (*Weaving.*)

A device for automatically bringing to the picker, according to the sequence required by the pattern, the shuttles in the shuttle-boxes at the ends of the race.

In Fig. 3570, the pattern-chain is shown passing over the wheel *M*. It has links of varying height, which, as they pass beneath the roller on lever *I*, raise it to a greater or lesser height, and with it the rod *G* and the shuttle-box at its summit, and so bring the required shuttle in position to be struck by the picker.

In Fig. 3571 the pattern-chain is shown beneath the levers *P*, from whose ends depend rods which control the movements of the lever *E*. This lever is connected by a link to a standard *F*, upon which latter the shuttle-boxes *B* are mounted, and is operated by two cams *H* and *I*, in such a manner as to raise or lower the standard upon which the series of shuttle-boxes are placed, so that any one of the boxes may be brought to the race from any position at every pick. The cams are actuated by a pawl and

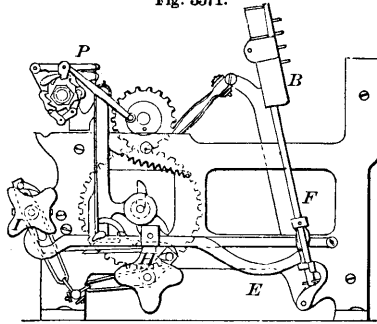
Fig. 3570.



Pattern-Chain.

ratchet connected by rods with levers *P* placed in contact with the revolving pattern-chain.

Fig. 3571.



Pattern-Chain for operating Shuttle-Box.