

ABSTRACT

METHOD AND APPARATUS FOR FORMING ELEMENT-FREE SPACE PORTION IN SLIDE FASTENER CHAIN

In forming an element-free space portion (SP) in a continuous fastener chain (2), legs (E1) of a number of metallic fastener elements (E), which legs exist on one side of the fastener chain (2) are cut by a pair of cutting blades (21), and then coupling heads (Eh) of the fastener elements (E) and the legs (E1) extending from the coupling heads (Eh) and existing on the other side of the fastener chain (2) are removed from cores (2b) of fastener tapes (2a) while being clamped by a punch (22) and a die (23). Therefore, it is possible to remove the fastener element portions (Eh, E1) from the fastener tapes (2a) without damaging the cores (2b) and not to require so high precision in positioning the fastener elements (E) at a cutting station, thus the structure of a slide fastener chain manufacturing machine can be simple and hence the rate of production is improved.

(FIG. 5)