

Set of inventions relates to field of treatment of metals by pressure. Forging of blank is made in three stages: basic, intermediate and final. At basic and intermediate stages blank after each pass is turned over for angle of $15-45^\circ$. At final stage blank is pressed out with angle of coverage by heads of $280-350^\circ$. Feed of blank is defined on basis of some ratio. Forging device is composed of two holders of upper and lower heads with slanted surfaces cinematically connected with them with the help of guides of two holders of lateral heads with slanted surfaces corresponding to slanted surfaces of upper and lower holders. Slanted surfaces of holder of upper head and contacting with them corresponding slanted surfaces of holders of lateral heads are longer than slanted surfaces of holder of lower head and contacting with them corresponding slanted surfaces of holders of lateral heads. Group of inventions ensures increase of precision of forging parts using minimal quantity of head sets and equipment of low power.