[ABSTRACT]

FORMED MATERIAL MANUFACTURING METHOD AND SURFACE TREATED METAL PLATE USED IN SAME

A formed material manufacturing method according to present invention includes the steps of forming a convex formed portion by performing at least one forming process on a surface treated metal plate, and performing ironing on the formed portion using an ironing mold after forming the formed portion. The ironing mold includes a punch that is inserted into the formed portion, and a die having a pushing hole into which the formed portion is pushed together with the punch. An inner peripheral surface of the pushing hole extends non-parallel to an outer peripheral surface of the punch, and the inner peripheral surface is provided with a clearance that corresponds to an uneven plate thickness distribution, in the pushing direction, of the formed portion prior to the ironing relative to the outer peripheral surface to ensure that an amount of ironing applied to the formed portion remains constant in the pushing direction.

Fig. 1