

ROLLFORMING Sections used in Miscellaneous Areas

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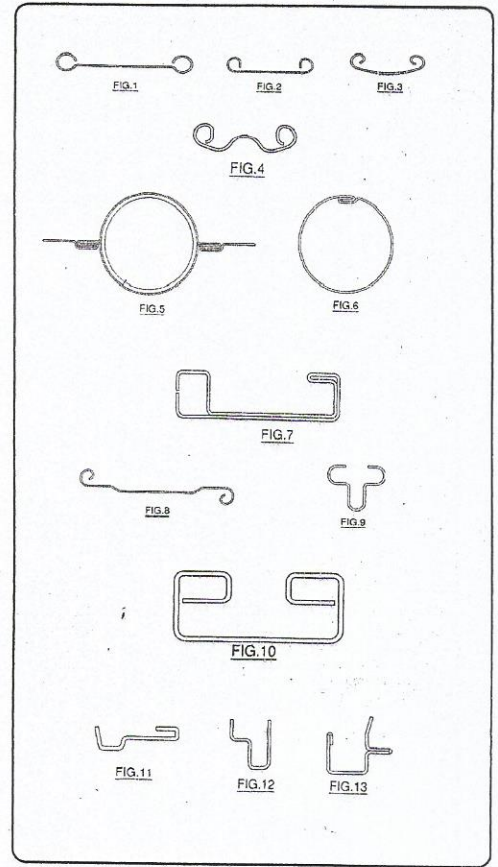
In this thirtyfirst series of articles on rollforming we will discuss about some more of the sections used in miscellaneous areas. I our thirtieth series of article also we had made a beginning with the sections used in miscellaneous areas. Fig 1 to fig 13 are some of the sections in this area. Fig 1 to Fig 13 are sections used for hngs and home applaines. Fig 4 are sections used as head needle loom heald upper and lower staves.

Fig 5 and Fig 6 are some of the setions used for solar heaters. Fig 5 shws the cross section of two copper sheet sections folded into each other to frm the most efficient all copper solar absorber fines which has the ighest rate of heat transfer. T has the strongest metallic bond for longevity and free of galvanic corrosion. It has 360 degree contact surface to increase the absorbtion efficiency. Here the special fins are black chrome plated and the inside tude along with top copper sheath & copper fins are rollformed together. The integral rollforming increases atrenght and durability of contact between tube and the fins. These types of solar are developed by a company in USA called North star Company. Fig 6 shows (I smaller scale) the sction

of the uter cladding shell (pre paintd sheet) of the storage tank. Here the ends are edge rollfomed to get the lockjointed construction. Seeing the cross section of the solar absorber fis one could very well imagine the enormous design innovations in various fiels that s possible by using the rollforming technology. The possibilities are limitless.

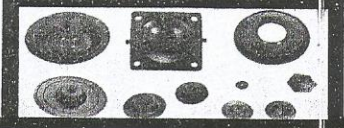

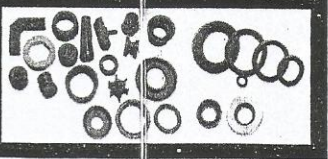
Fig 11 &12 are some of the wiper pad sections ade of stainless steel used mostly in CNC maching centres. The sectons are very accurately rollformed so that the rubber wiper seals could be fixed into them. Fig 7 to Fig 9 are some of the sections used in elevators . sections shown in fig 8 are used for elevator vertical collapsible doors.

These scions are rollformed using pre-painted coils and sections shown in Fig 7 are used for elevator tracks. Sections shown in fig.7 are used for Roller Shutter Tracks and other tracking systems. Sections shown in Fig 13 are used in the manufacture of brief cases and moulded liggages. There are many more sections with various cross sections that could be used for the manufacture of moulded luggages. Out of the above sections sedvik industries, Bangalore has developed several sections.







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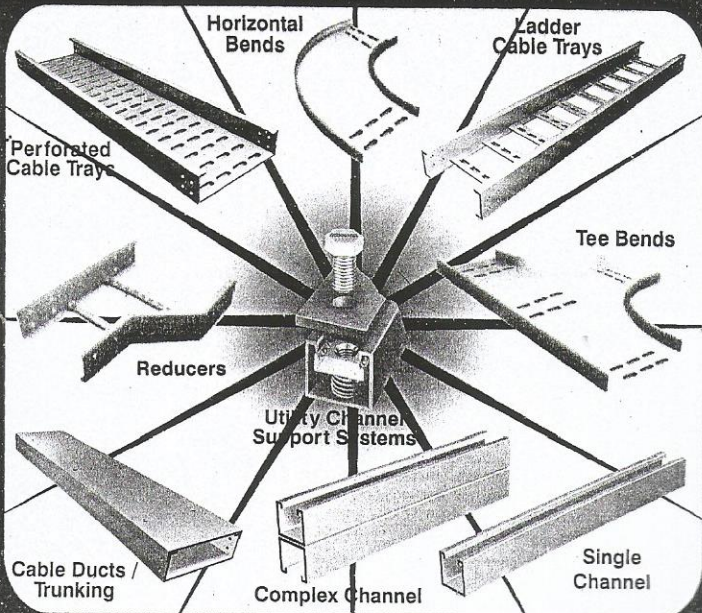
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