

ROLLFORMING- "Versatile Flat Shutter Sections"

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In this third series of continuing write-ups on ROLLFORMING we will discuss the emergence of Flat-Shutter Sections into the Indian scene. Till the year 1983, for Rolling Shutters in India the lath sections used to be only of corrugated shape as shown in Fig 1.



FIG.1



FIG.2

Mainly to overcome cut-throat competition in the rolling shutter section marketing field and also to introduce some novelty in the appearance of rolling shutters the idea of developing and introducing Flat type Shutter Sections as in Fig 2 was conceived and developed by Mr. A.S. Shetty in the year 1983.

Apart from the better look of Rolling Shutters, because of the Lipped Channel Shape of the section, for some material weight the stiffness/strength of the section is about 20% more than the conventional type corrugated shutter sections. It means for the same coverage about substantial saving in steel material.

It took several months to develop the shape of the section and perfect the first prototype Rolling Shutter as shown in Fig 3.

A lot of efforts were put and time spent to convince about the advantages of this product to the Architects and Building contractors in and around Bangalore where this product was first introduced in India. The earliest design was the Plain Flat Shutter section. Since 1983, slowly several steel fabricators all over India have started widely copying this concept and also made some variations of their own.

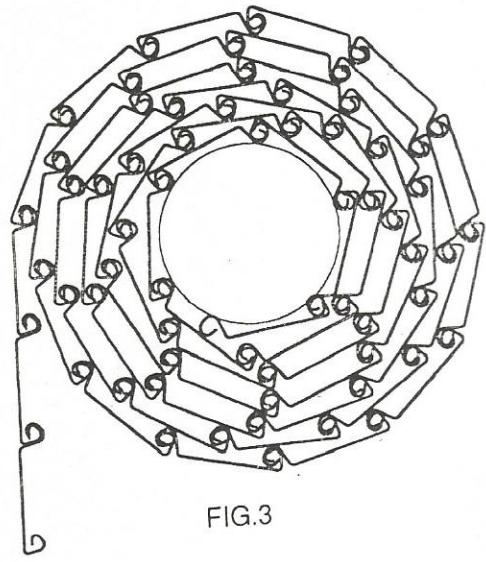


FIG.3

providing steps on both the edges of the flat surface, a rib in the middle of the section and making it wider, Magna-shutter section was developed.

The one more additional advantage of providing the flat surface on the section is using the same basic tooling by simply changing the spacers different width shutter sections could be produced thereby saving substantial cost of Toolings.

Although these flat sections were initially meant to be used for Rolling Shutters, slowly many steel fabricators found other areas of making use of these types of sections. They have started using these flat type shutterlath sections for Gates, Garage doors and Partitions.

Because of this pre-fabricated concept, making of Gates & Partitions and Door-shutters have become much easier and simplified nowadays in India.

Partition panels could be produced by simply inserting flat shutter sections into each other as shown in Fig 2. This is much stiffer and stronger compared to plain M. S. Sheets which were mostly earlier being used.



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