

Weaving Design.

(Specially Prepared for this Journal.)
FOR BED SHEETS OR CHARSAS.



56's Reed; 56 picks; 16s' warp; 16's weft (black); 50 p. c. size, drawn 1 to a heald 2 to a dent; single pick. Pattern V, i. e. to be taken half and drawn in a V form.

A Self-Feeding Loom Attachment.—In a recent issue we gave an illustrated description of the Northrop Weft Replenishing Device for Looms, which enabled the loom to be worked without stopping for putting in a new weft when the old one was finished or broken. In this case, a shuttle was used, but more recently, one Mr. R. Hunt, of San Francisco, is said to have patented a device which does away with the shuttle altogether. The improvement consists of a carrier, by means of which the machine obtains its supply of yarn from both sides of the loom, thus doing away with the necessity of the bobbin, the use of which involves the waste of time and of a certain amount of yarn. The carrier is armed at each end with pincers to hold the thread, and which takes the place of the shuttle. As the carrier flies to and fro across the piece, it draws with it the thread, which is automatically measured and cut off to the proper width, and deftly fastens it on the salvage. So well is this done that

cloth made with Mr. Hunt's patent is said to be much more difficult to unravel than that made with the shuttle and bobbin. The new apparatus can be attached to any loom, works automatically, and, in the case of a thread breaking or any other mishap occurring, the loom at once stops, and a bell rings. "As far as we can judge," says the *Leeds Mercury*, "this arrangement is very similar to one which was invented by a Mr. Bedford, of Birstall, some years ago, and applied at that time to a loom made by Messrs. Sowden & Sons, of Shipley. The English patent did not, however, meet with any apparent success, and while it does not necessarily follow that Mr. Hunt has not overcome all difficulties and objections, we must wait for more precise information before accepting finally the confident statements made in America that the old-fashioned shuttle is doomed to extinction. The Hunt Loom and Fabric Company inform us that they intend bringing one of their machines over to England before the year is out."