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O. P. HARGROVE ET AL

LOOM REED

Filed Aug. 6, 1925

Fig. 1.

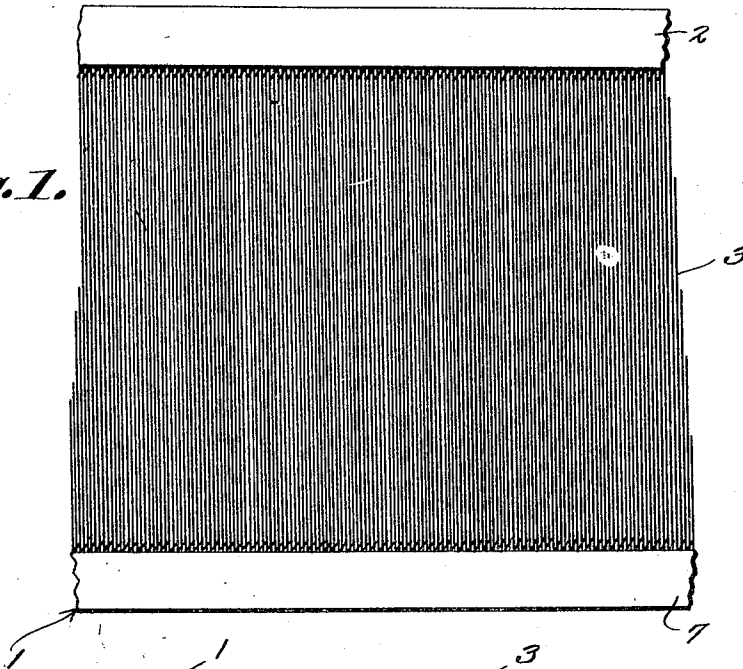


Fig. 2.

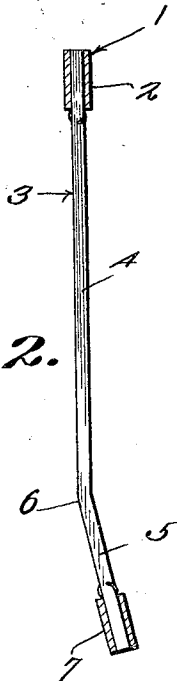
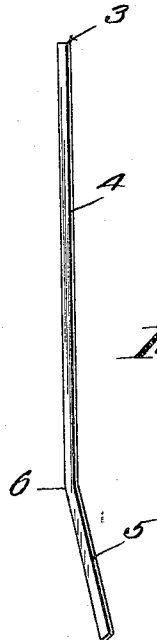


Fig. 3.



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LOOM REED.

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This invention aims to provide a loom reed which is so constructed that it will not wear or cut the material, thereby avoiding the production of "edges". Another object of the invention is to provide a loom reed which can be used for a long period of time, thereby avoiding frequent renewals of the reed, as is necessary at present, it being a matter of common knowledge that the changing of a reed results in a loss of time in a corresponding cutting down of the out-put. Another object of the invention is so to construct the reed that wear upon it will be reduced.

It is within the province of the disclosure to improve generally and to enhance the utility of, devices of that sort to which the invention appertains.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 shows in elevation, a reed constructed in accordance with the invention, parts being broken away;

Figure 2 is a transverse section;

Figure 3 is a perspective view showing one of the dents.

The numeral 1 designates a loom reed comprising an upper frame member 2 and a lower frame member 7, disposed out of vertical alinement, as shown in Figure 2, the frame members 2 and 7 carrying metal dents 3. Each dent 3 comprises a straight upper portion 4 and a straight lower portion 5, the parts 4 and 5 of the dent being disposed at an obtuse angle to each other, as shown at 6. The upper portions 4 of all of the dents 3 are located in one plane, and the lower portions 5

of the dents are located in another plane, at an obtuse angle to the first-specified plane. The relative lengths of the parts 5 and 4 may be regulated as desired. It is suggested that the part 5 be approximately one-half as long as the part 4, the part 4 comprising about two-thirds of the length of the dent 3, and the part 5 comprising about one-third of the length of the dent.

Generally stated, the loom reed forming the subject matter of this application comprises dents which are deflected at one end in a direction parallel to the travel of the material through the reed.

The loom reed constructed in accordance with this invention will carry out the objects set forth in the opening portion of this specification. When the reed beats in the filling or weft, the beating is done by the parts 5, and wear on the reed is eliminated.

Having thus described the invention, what is claimed is:—

A reed for single shuttle race looms, the reed embodying an upper frame member, and a lower frame member, and dents connected at their ends, to the upper frame member and to the lower frame member, the upper portion of each dent being approximately double the length of the lower portion of each dent, the upper portion of each dent being straight, and the lower portion of each dent being straight, the upper portion of each dent being vertical, and being located in one plane, and the lower portion of each dent being located in another plane at an obtuse angle to the first-specified plane, the frame members being arranged out of vertical alinement, to permit the upper and lower portions of the dents to be disposed at an angle to each other, as aforesaid.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures.

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