

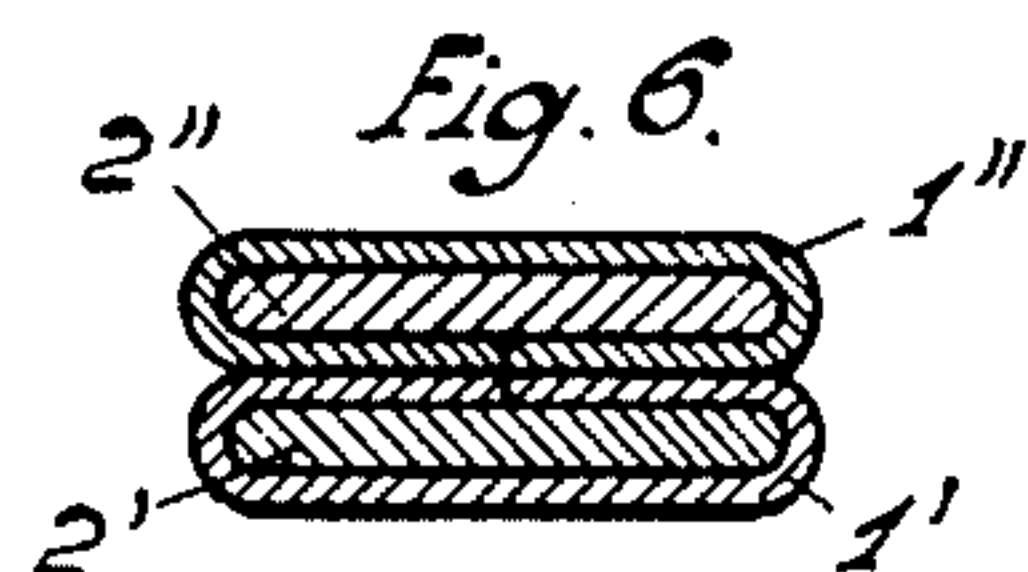
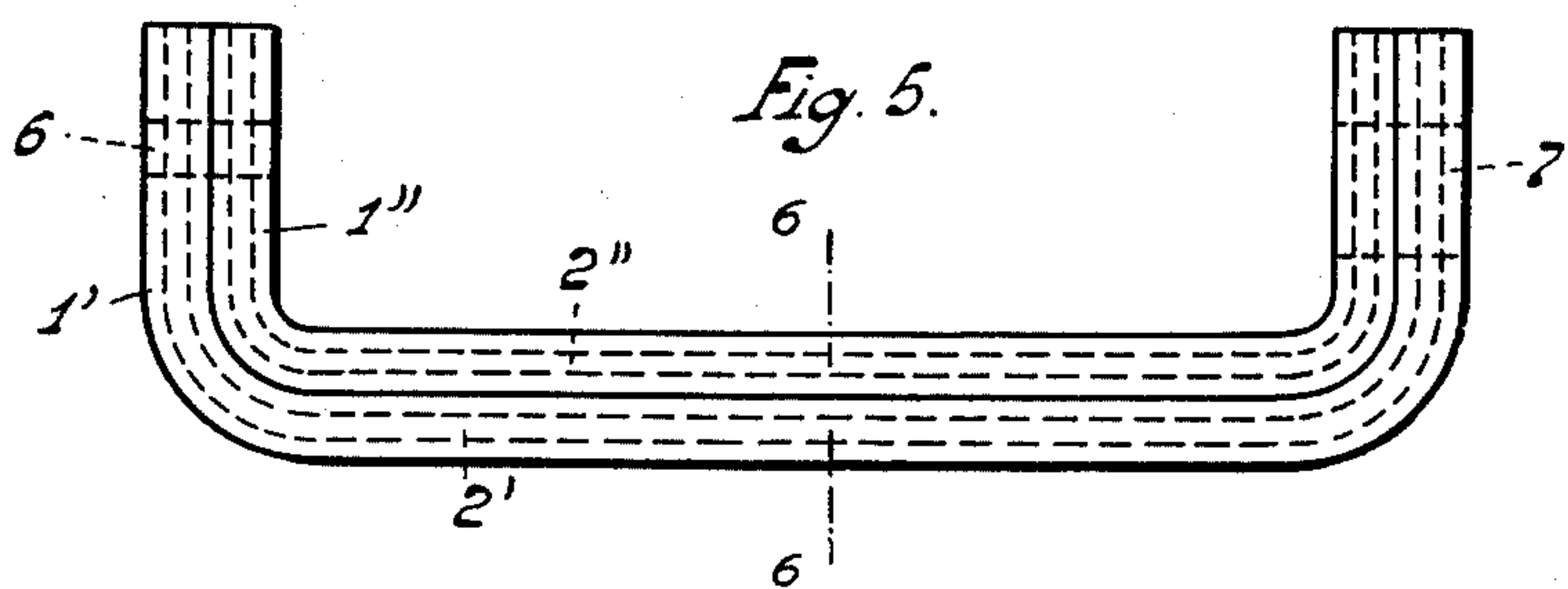
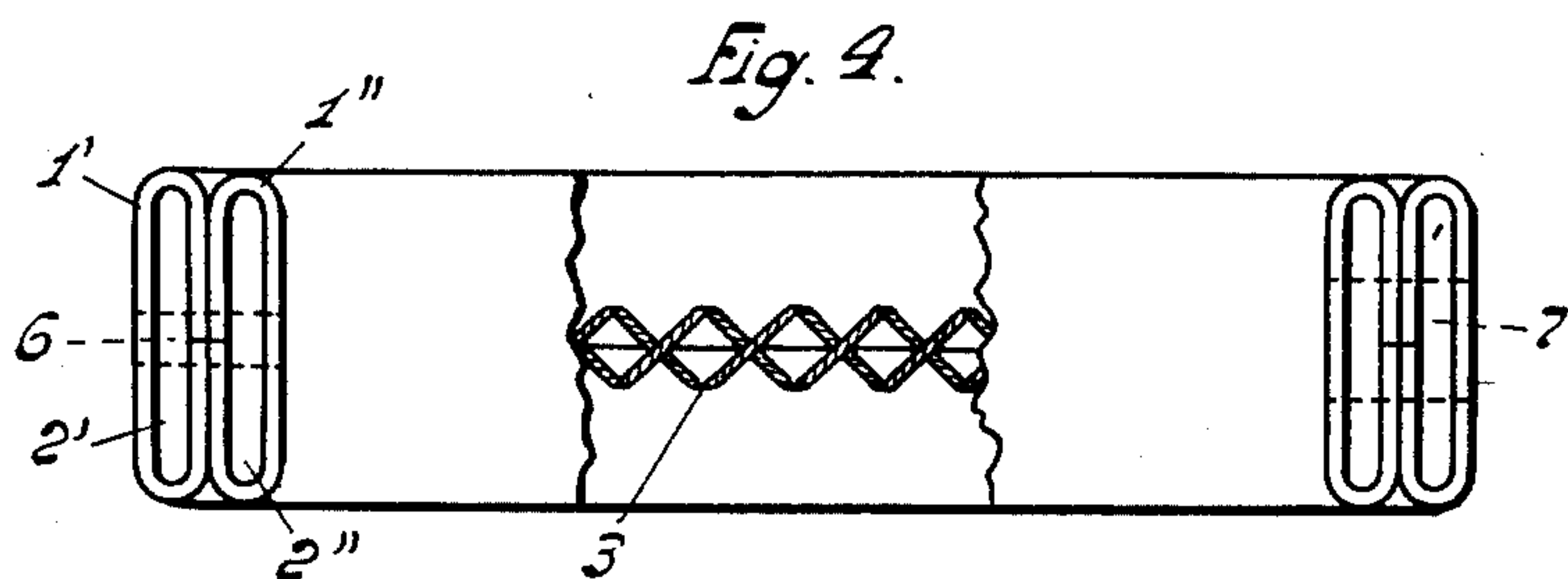
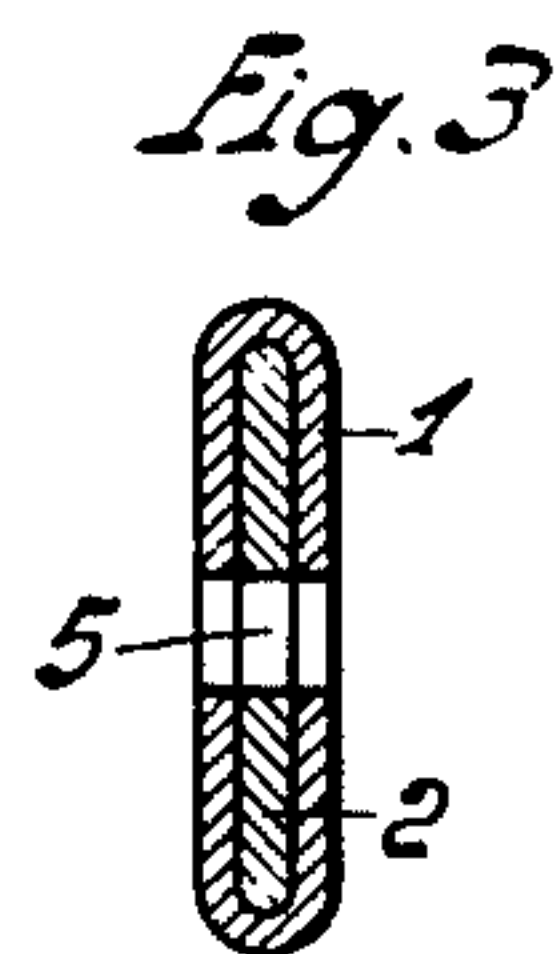
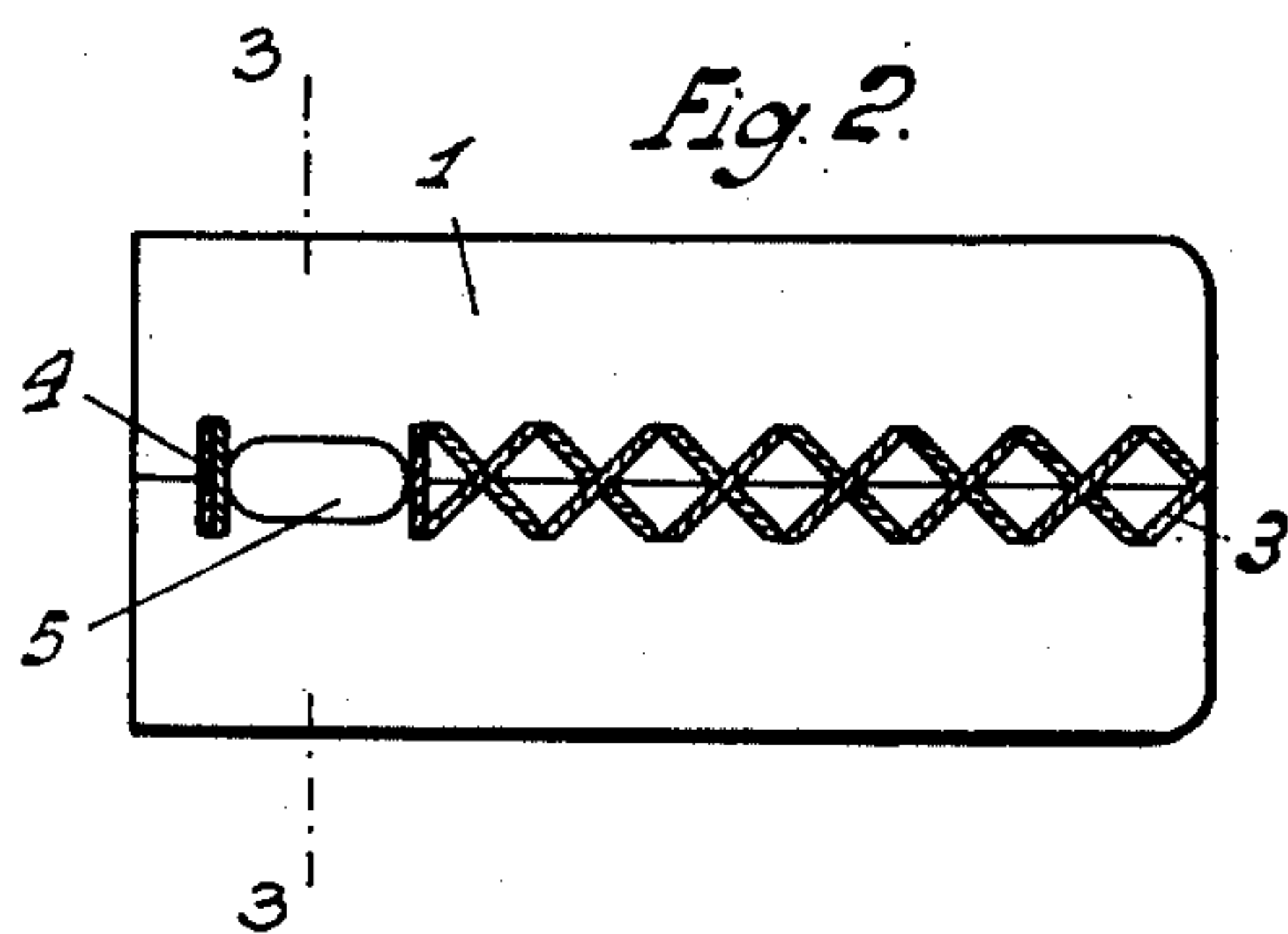
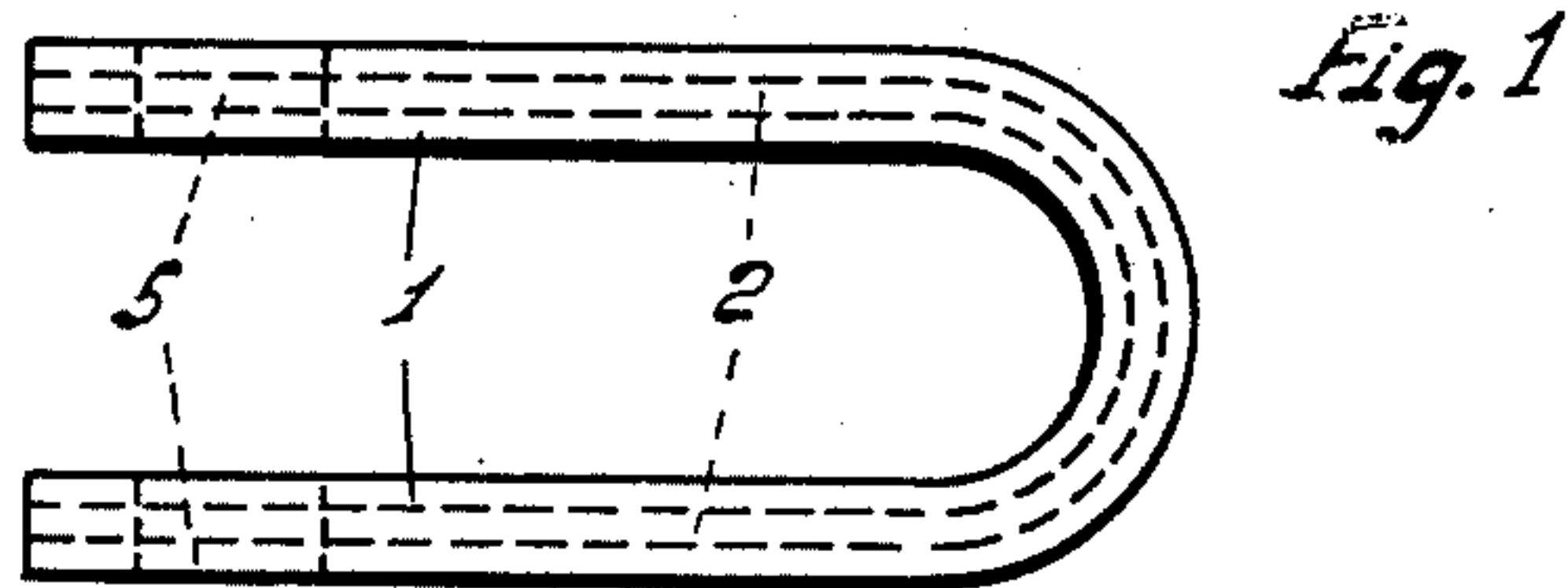
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2,629,405

LOOM LUG AND CHECK STRAP

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# UNITED STATES PATENT OFFICE

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## LOOM LUG AND CHECK STRAP

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2 Claims. (Cl. 139—153)

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The present invention relates to leather straps for looms, this part being adopted either as check strap or as loop of the lug strap in connection with the picker serving to impart movement to the shuttle.

For this highly-stressed strap part, only very thick leather, so-called Chinese buffalo hide, has hitherto proved suitable, the leather used being at least 10 mm. thick and, in addition, at least two layers of such leather being employed. For the loops of the lug straps the individual layers are glued together, and the difficulty then arises that the necessary lubricating of the leather is impeded by the glue, or the gluing is impeded by the lubricant.

The aim of the present invention is to remove these drawbacks.

According to the invention the strap part consists of at least one outer part folded together to form a flat tube, and a flat strap arranged within the tube and tightly surrounded by it.

In this manner it is possible to obtain the required thickness for such strap parts without any gluing, so that in consequence of the absence of this gluing the strap part remains pliant, and lubricating can take place without any drawbacks.

The accompanying drawing illustrates by way of example two executions of the object of the invention, where

Fig. 1 is a view of a strap part shaped as loop of a lug strap,

Fig. 2 is a side view of Fig. 1,

Fig. 3 is a cross-section on the line 3—3 of Fig. 2,

Fig. 4 is a side view of a strap part formed as a check strap,

Fig. 5 is a view looking down onto the strap in Fig. 4, and

Fig. 6 is a cross-section on the line 6—6 of Fig. 5.

The lug strap loop illustrated in Figs. 1 to 3 consists of the outer part 1 folded together to form a flat tube, and the flat strap 2 tightly surrounded by the outer part. The abutting longitudinal edges of the outer part are connected to each other by a seam 3 and/or separate stitches 4. The whole strap part is bent U-shaped and has longitudinal holes 5 for fixing to the operating means for the picker of the loom.

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The strap part according to Figs. 4 to 6 serving as check strap has two tube-shaped outer parts 1', 1'' and in each of them a flat strap 2', 2''. For fixing the check strap to the loom, a hole 6 and a slot 7 are provided, each of which passes through the two tube-shaped outer parts and the flat strap.

A further advantage obtained with the described strap part is its greater durability in service in consequence of the rounding of the outer part 1 or 1' or 1'' at the edges and of the unimpaired outer skin of the leather of this part. Besides that, the strap part is pliant and consequently gives quiet running of the loom since the engagement of the strap with the cooperating parts of the loom is softer and more elastic as compared with check straps of conventional construction.

What I claim is:

1. A leather strap for looms, used in connection with the picker to impart movement to the shuttle, comprising an outer leather web folded with longitudinally abutting edges to form a flat tube of single ply thickness, means connecting the said longitudinal abutting edges of said outer web and a flat leather strap arranged within the tube and tightly surrounded by it.

2. A leather strap for looms, used in connection with the picker to impart movement to the shuttle, comprising an outer leather web folded with longitudinally abutting edges to form a flat tube of single ply thickness, and a flat leather strap arranged within the tube and tightly surrounded by it, and a seam connecting the said abutting longitudinal edges of said outer web.

HANS BÜCHI.

### REFERENCES CITED

The following references are of record in the file of this patent:

#### UNITED STATES PATENTS

Number	Name	Date
852,522	Pilling	May 7, 1907
1,909,993	Wilson	May 23, 1933
2,435,749	Lesesne	Feb. 10, 1948

#### FOREIGN PATENTS

Number	Country	Date
14,694	Great Britain	of 1910