

No. 787,919.

PATENTED APR. 25, 1905.

J., A. & M. A. HENDRY.
MACHINERY DRIVING BELT.
APPLICATION FILED MAY 20, 1904.

FIG. 1.

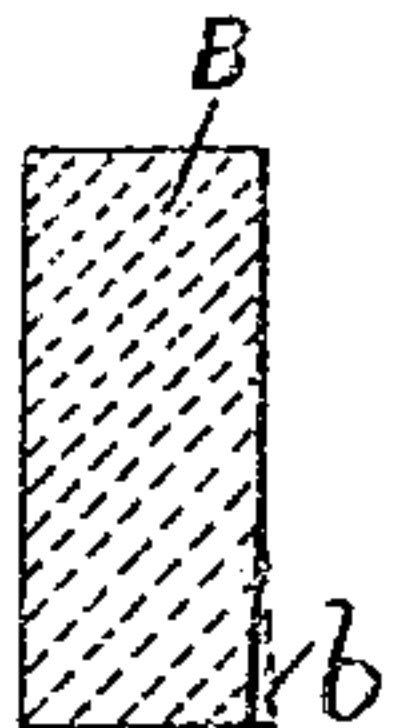


FIG. 3.

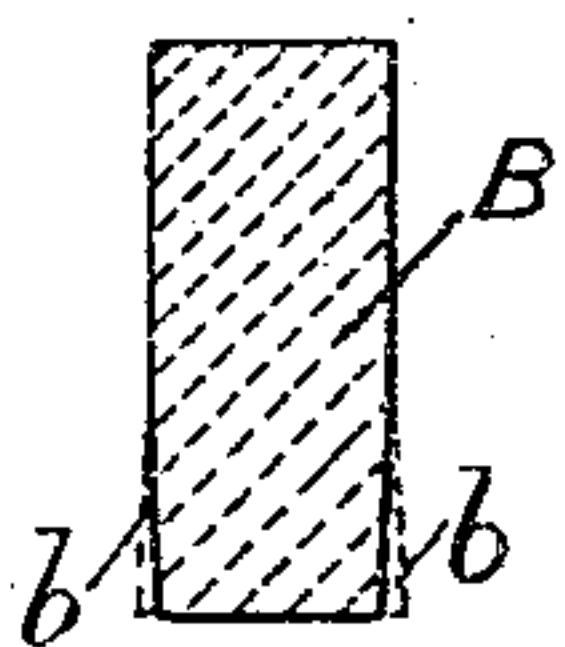


FIG. 5.

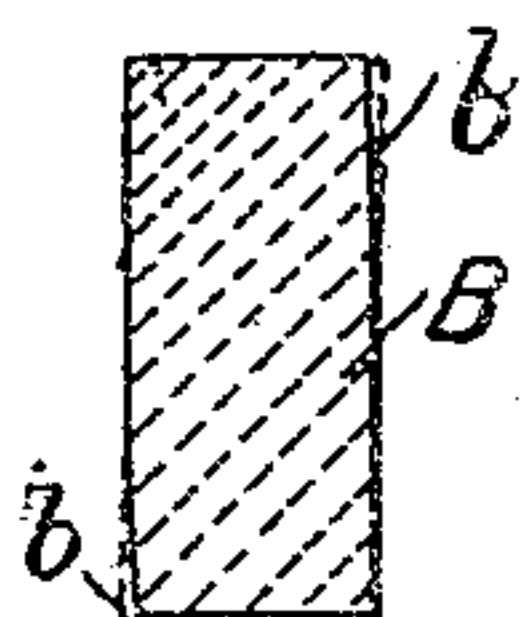


FIG. 7.

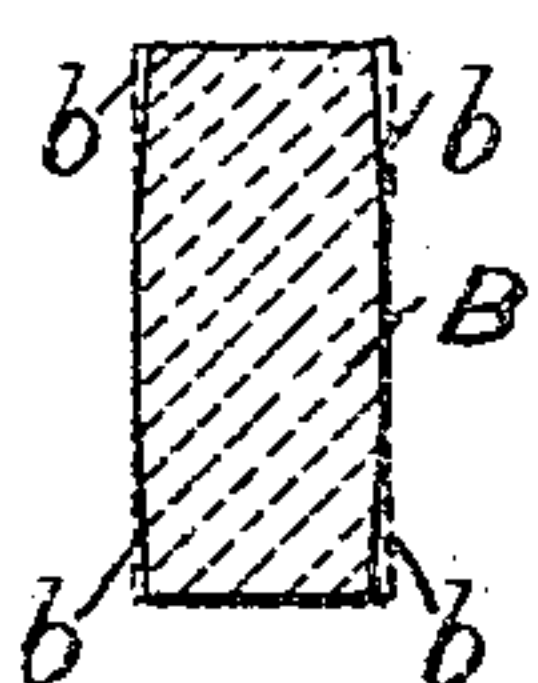


FIG. 2.

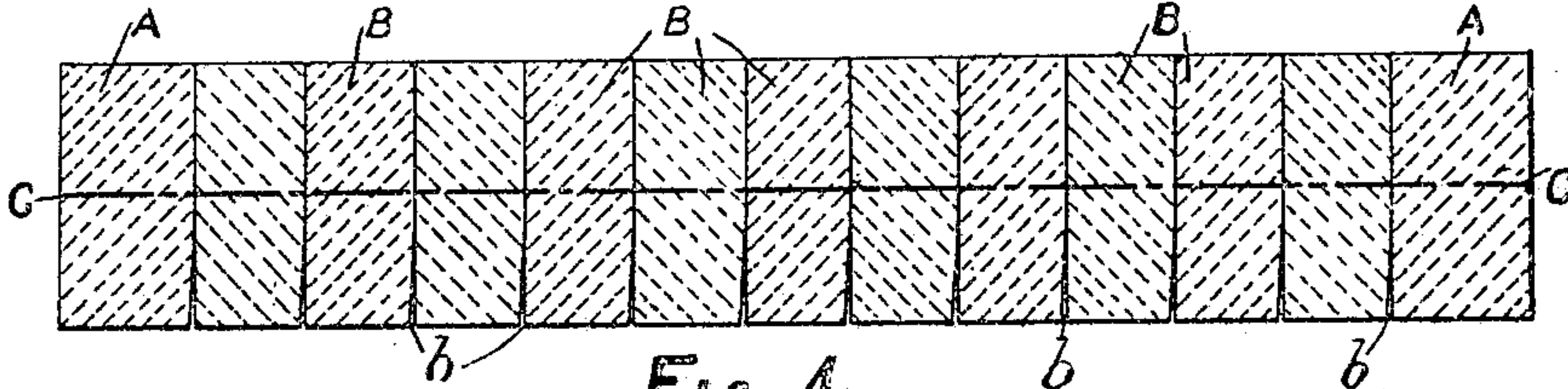


FIG. 4.

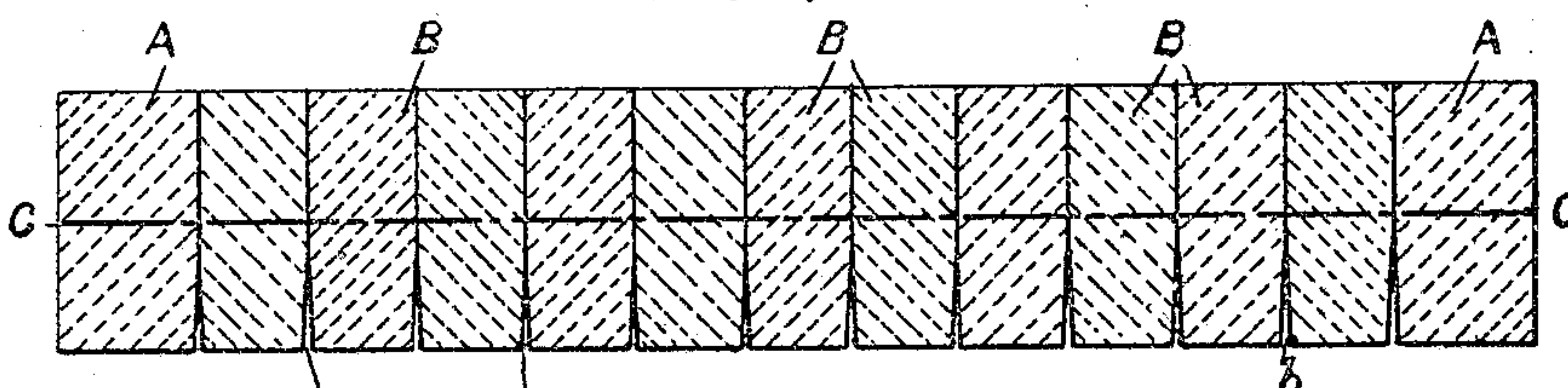


FIG. 6.

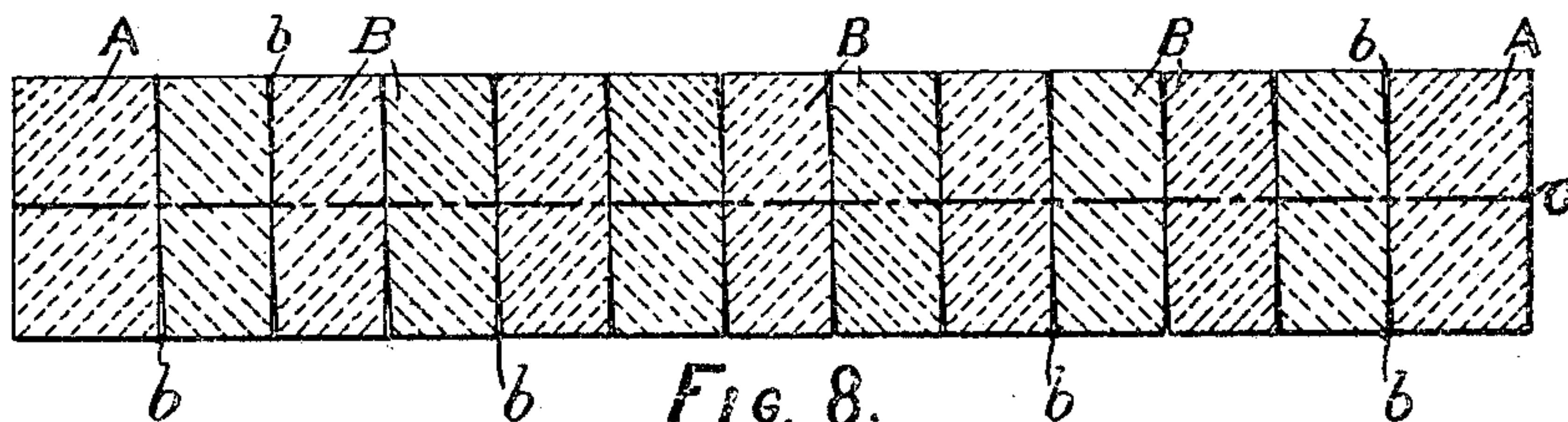


FIG. 8.

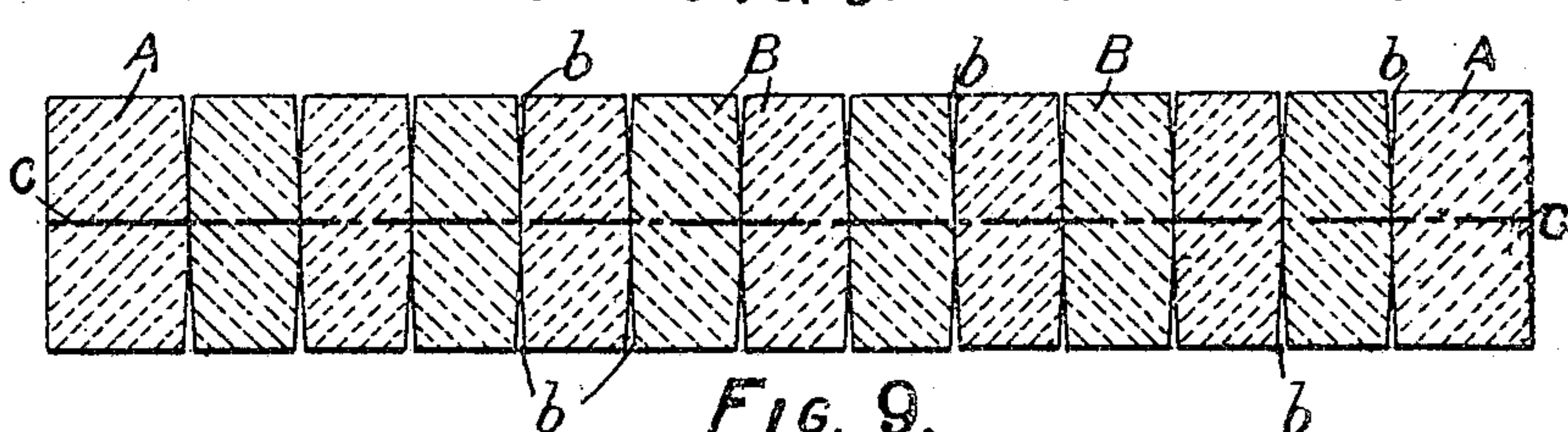
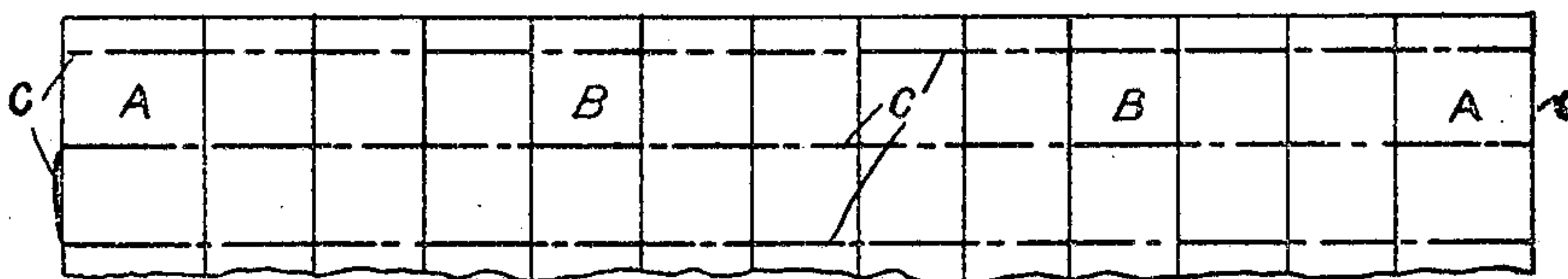


FIG. 9.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES HENDRY, ALEXANDER HENDRY, AND MALCOLM A. HENDRY, OF
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MACHINERY-DRIVING BELT.

SPECIFICATION forming part of Letters Patent No. 787,919, dated April 25, 1905.

Application filed May 20, 1904. Serial No. 208,857.

To all whom it may concern:

Be it known that we, JAMES HENDRY, ALEXANDER HENDRY, and MALCOLM ALLAN HENDRY, belting manufacturers, subjects of the
5 King of Great Britain and Ireland, and residents of Glasgow, Scotland, have invented certain new and useful Improvements in Machinery-Driving Belts, (for which an application for a patent has been filed in Great Britain,
10 No. 20,098, bearing date the 18th of September, 1903,) of which the following is a specification.

This invention has reference to and comprises improvements in machinery-driving
15 belts, being laminated belts constructed of a number of strips of leather, rectangular in section, bound together to form a flat band by stitching or equivalent means, by which such machinery-driving belts are rendered more
20 pliable and capable of bending more freely round pulleys when in use.

The belts constructed in the manner referred to are formed of strips of leather laid side by side and secured together by stitching
25 or otherwise; and our improvements consist in having a small space or interstice between the edges of each strip on the driving side of belt or it may be on both sides and which are formed by cutting away a small strip or part
30 of each strip constituting the belt from one or more of the side edges which are to lie toward the driving side of the belt, and it may be the opposite edges also.

In order that others skilled in the art to
35 which our invention relates may properly understand same, we have hereunto appended onesheet of explanatory drawings, in which—

Figures 1, 3, 5, and 7 show sections through single strips, while Figs. 2, 4, 6, and 8 show
40 transverse sections through completed belts. Fig. 9 is a plan of part of a belt constructed as shown by Figs. 2 and 4.

Figs. 1 and 2 illustrate the construction of a laminated belt for ordinary driving pur-
45 poses composed of a series of strips A and B,

secured together by stitching, as indicated at C. In this case each strip B has a thin angled strip *b* (indicated in dotted lines in Fig. 1) cut off the edge at the driving side of the belt.

Figs. 3 and 4 similarly illustrate the construction of a belt for ordinary driving purposes, but suitable for running over very small pulleys. In this case the strip *b* is cut
50 off both edges of the strip B.

Figs. 5 and 6 illustrate the construction of a belt for ordinary driving purposes, but suitable for use in cases where a tightening-pulley is used. In this case the strip *b* is cut off
55 each strip B at one edge on both sides of the belt.

Figs. 7 and 8 illustrate the construction of a belt for ordinary driving purposes, but suitable for running over a series of pulleys. In this case the strips *b* are cut off of each strip
60 B at all four edges.

The strips may be cut off in any suitable cutting-machine, and their removal allows of the expansion of the strips of leather caused on the concave side by the bending of the
65 belt and gives the belt increased pliability without decreasing its driving power.

Having now described our invention, what we claim as new, and desire to secure by Letters Patent, is—

Machinery-driving belts of the laminated type comprising continuous strips of leather having narrow angled strips cut off their edges laid side by side and secured together by
70 stitching substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JAMES HENDRY.
ALEXANDER HENDRY.
MALCOLM A. HENDRY.

Witnesses:

R. C. THOMSON,
THOMAS B. BROWNLIE.