

A. STAMBACH.
FASTENING DEVICE.
APPLICATION FILED JUNE 20, 1912.

1,095,683.

Patented May 5, 1914.

FIG. 1.

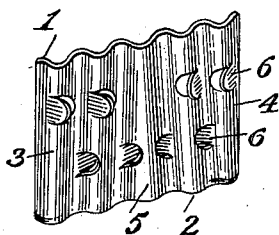


FIG. 2.

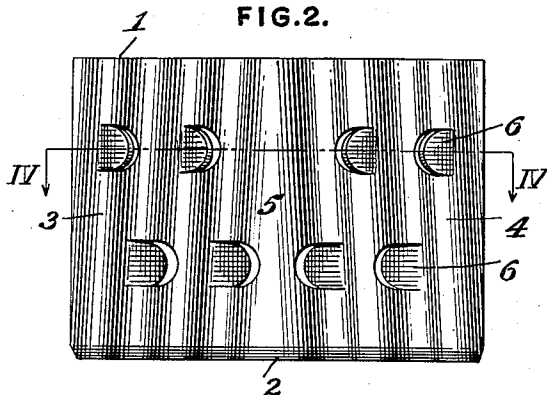


FIG. 3.

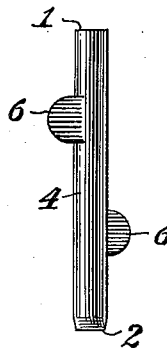


FIG. 4.

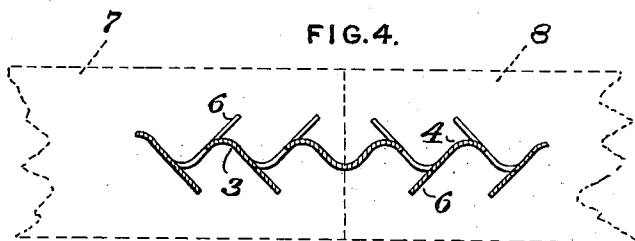


FIG. 5.

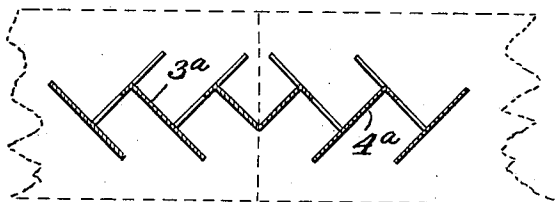


FIG. 6.

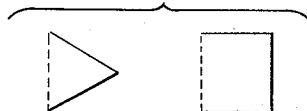
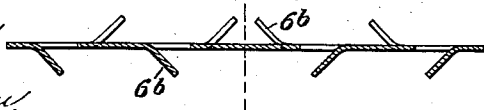


FIG. 7.



WITNESSES

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FASTENING DEVICE.

1,095,683.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ARTHUR STAMBACH, of Edgewood Park, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Fastening Devices, of which the following is a specification.

The prime object of the present invention is to provide a new and improved fastening device, particularly adapted to be driven into two adjacent portions of pieces of wood for securing the same together and to provide said device with means for effecting a considerably greater holding power than devices of this character as heretofore constructed.

In the accompanying drawing, which illustrates applications of my invention, Figure 1 is a perspective view of a fastening device embodying my invention; Fig. 2, a side elevational view of the form of Fig. 1; Fig. 3, an edge view of the same; Fig. 4, a sectional view showing the device in connection with two pieces of wood, the section being taken on line IV—IV of Fig. 2 looking in the direction of the arrows; Fig. 5, a sectional view similar to the view of Fig. 4 showing a modified form of my invention; Fig. 6, side views of modified forms of laterally projecting members; and Fig. 7, a sectional view of a still further modified form embodying my invention.

As illustrated and as preferred, the fastening device is made of a single piece of sheet metal comprising an upper blunt edge 1 of either straight or irregular outline and a lower sharpened edge 2 of substantially the same contour as the upper edge.

The body of the device, as illustrated by the forms of Figs. 1 and 4, is corrugated, the number and arrangement of the corrugations may be varied to suit different conditions.

In the embodiment of my invention as shown by Fig. 1, I have shown two sets of transversely slightly inclined corrugations 3 and 4 arranged in such a manner as to form a centrally disposed wedge like portion 5, but it is evident that the number and arrangement of the corrugations may be different from what is shown in Fig. 1.

A characteristic and important feature of the present invention resides in providing a fastener of this character with means for effecting an additional holding or binding power without adding to the size of the fas-

tener and without the addition of any metal entering into the formation of the fastening device. These ends I accomplish by providing the body portion or the corrugations, as shown in the form of Fig. 1, with laterally projecting engaging members 6, preferably struck up from the body and projecting from opposite faces thereof.

In the form illustrated, I have shown two rows of these projecting members, but in some instances one row only is necessary. These laterally projecting members 6 may be rounded as shown in the form of Fig. 1, or they may be pointed or square as shown by Fig. 6.

Fig. 4 shows diagrammatically my invention applied to two adjacent portions of two pieces of wood 7 and 8 with the central wedge portion driven into the adjacent edges of the two pieces and the member 6 disposed on opposite sides of the meeting line and pointing in the direction of the center of the fastening device or toward the adjacent edges.

In the form of Fig. 5, the corrugations 3^a and 4^a are pointed or V-shaped in place of the U-shaped corrugations in the form of Fig. 1, otherwise, this form is of substantially the same construction as the construction shown by Fig. 1.

The form of Fig. 7 illustrates an embodiment of my invention in a substantially straight or non-corrugated sheet metal body in which the members 6^b are employed and arranged in substantially the same manner as in the other forms.

What I claim is:—

1. A sheet-metal fastening device formed with a sharpened entering edge and a driving edge, a row of transversely extending projecting members struck up away from the center to extend alternately from opposite faces thereof, substantially as set forth.

2. A sheet-metal fastening device formed with a sharpened entering edge and a driving edge, a row of projecting members struck up to extend laterally to one face and a second row of projecting members struck up to extend laterally to the opposite face thereof, substantially as set forth.

3. A sheet-metal fastening device formed with a sharpened entering edge and a driving edge, and a double row of projecting members struck up on each side of and away from the center thereof, substantially as set forth.

4. A sheet-metal fastening device formed with a sharpened entering edge and a driving edge, a plurality of transversely extending corrugations extending from end to end thereof, and a projecting member struck up to extend laterally from each corrugation, substantially as set forth.

5. A sheet-metal fastening device formed with a sharpened entering edge and a driving edge, a plurality of transversely extending corrugations extending from end to end thereof, and a double row of projecting members struck up from said corrugations, substantially as set forth.

6. A sheet-metal fastening device formed with a sharpened entering edge and a driving edge, a plurality of transversely extending corrugations extending from end to end thereof, and a double row of projecting members struck up on each side of and away from the center on said corrugations, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR STAMBACH.

Witnesses:

W. G. DOOLITTLE,

F. E. GAITHER.