

(No Model.)

G. G. WYLAND.
METAL FASTENING DEVICE.

No. 595,000.

Patented Dec. 7, 1897.

Fig. 1.

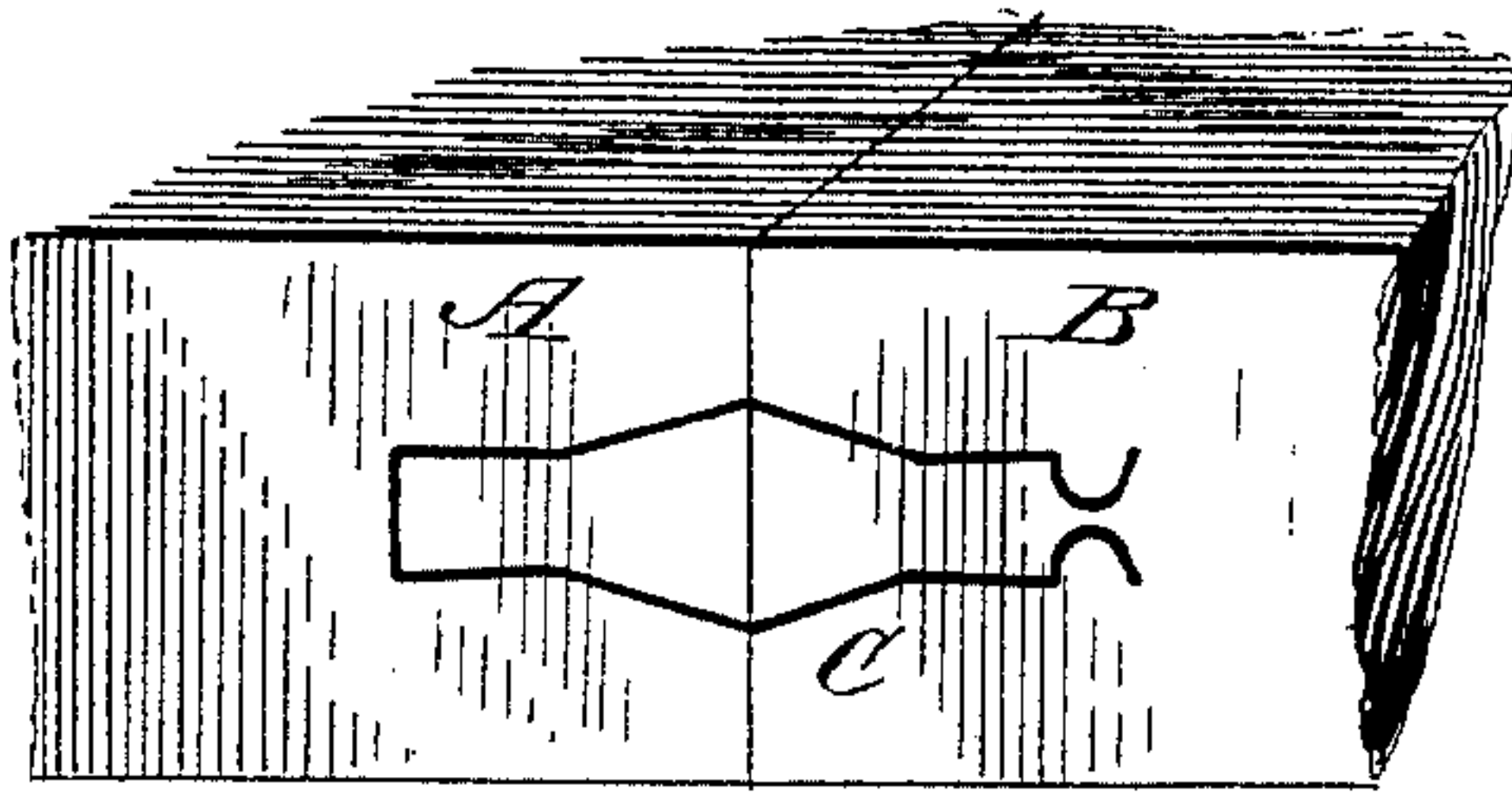


Fig. 2.

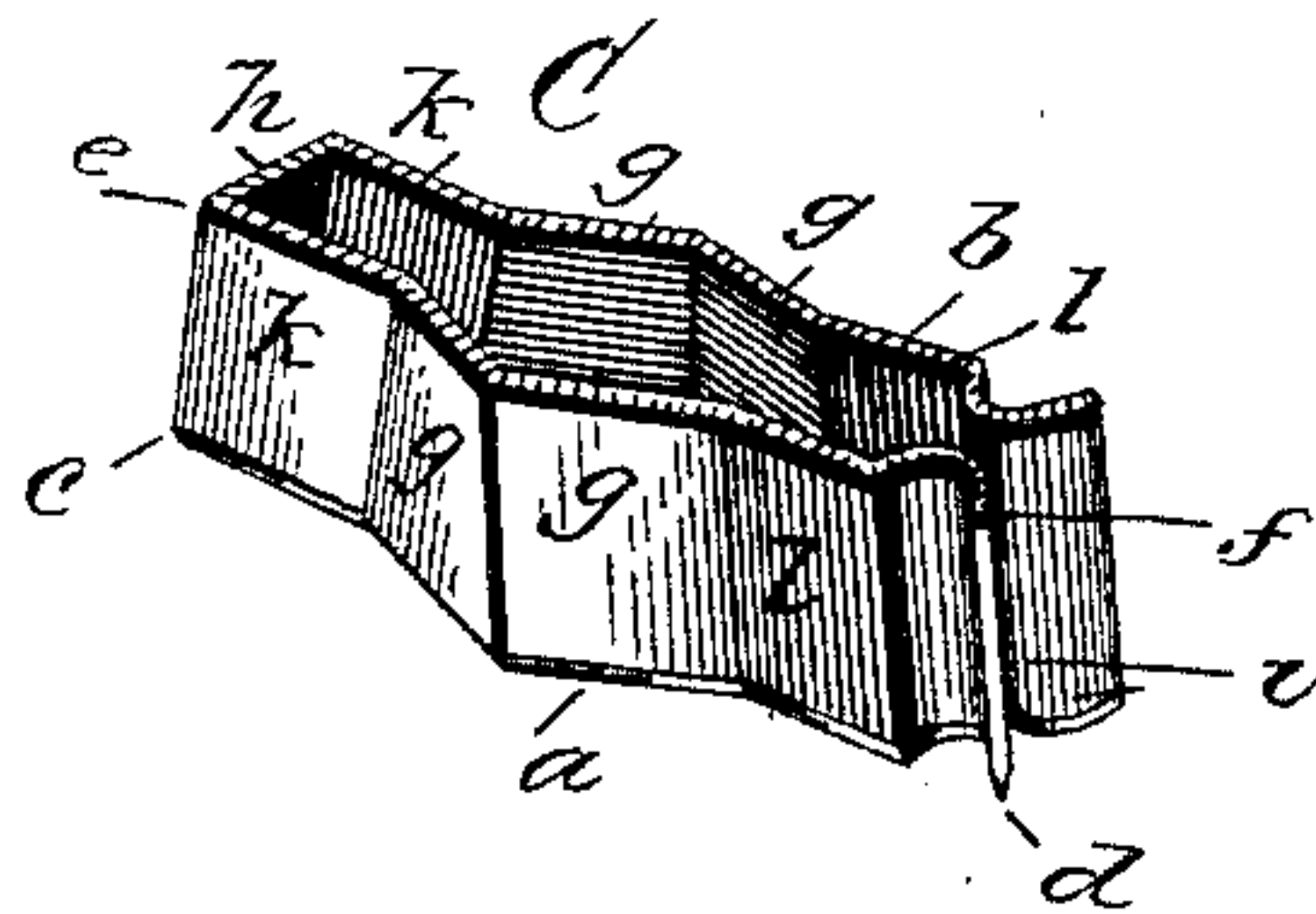
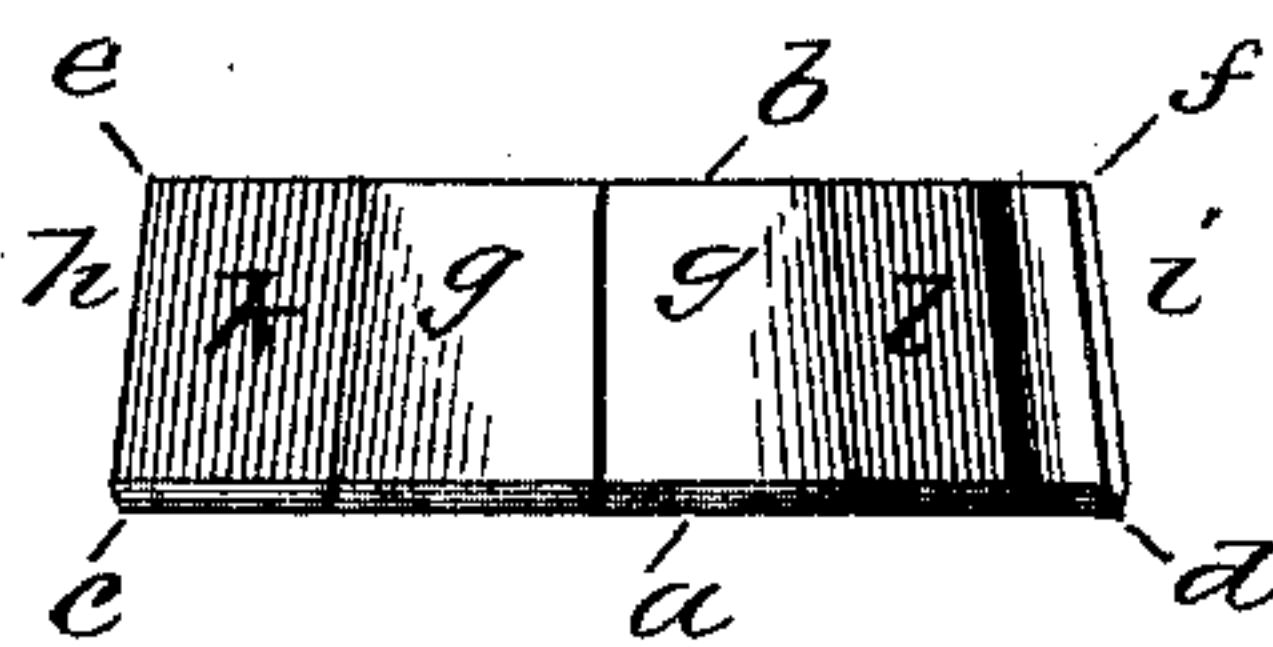


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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METAL FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 595,000, dated December 7, 1897.

Application filed March 29, 1897. Serial No. 629,698. (No model.)

To all whom it may concern:

Be it known that I, GEORGE GILBERT WYLAND, a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Metal Fastening Devices; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has reference to that class of metal fastening devices for wood joints designed to take the place of the ordinary screws or nails and formed of flat sheet iron or steel bent to the desired shape.

It is the object of the invention to improve the construction of the above class of fastening devices, whereby greater strength, durability, and effectiveness are obtained; and it consists in a device constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view showing a wood joint held together by my improved fastening device. Fig. 2 is a perspective view of the fastening device; Fig. 3, a side elevation thereof.

In the accompanying drawings, A B represent the two adjoining portions of a box-board or other object to illustrate the application of the fastening device thereto.

The fastening device is constructed from a rectangular piece of sheet steel, iron, or other suitable metal and bent in the form shown in Fig. 2 of the drawings.

This fastening device (represented at C) has its bottom or under edge *a* formed sharp, so as to be easily driven into the wood, and its opposite edge roughened or serrated, as shown at *b*, so as to make it susceptible to the touch to quickly distinguish between the two edges when handling the fastening device to place it in position for driving into the wood. The sharp edge *a* is much longer than the serrated or roughened edge *b*, or, in other words, the device flares at its ends, so that the distance from *c* to *d* is greater than the distance from *e* to *f*, as shown more clearly in Fig. 3 of the drawings. This forms an important feature

in the device, as it tends to draw the joint together when driven into the wood.

The central portion or legs of the device are formed at their sides with flat-sided obtuse angles *g*, thereby increasing the width of the device at its center or midway of its ends. This central portion of the device being directly over the joint and being wider, as above described, renders the joint much stiffer and firmer.

The outer ends of the fastening device are formed, respectively, with a closed heel *h* and outwardly-curved flanges *i* to prevent the wood from pulling out at these points.

The apex of the obtuse angles *g* forms the widest part of the device, and at each side of the angles are the straight portions *k l*.

The heel of the device, as well as the curved flanges opposite thereto, may be changed or modified without departing from the principle of my invention, although the curved flanges are preferable, as greater strength is obtained.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sheet-metal fastening device comprising two legs, each having its central portion formed of obtuse angles to increase the width at the center of the device, substantially as and for the purpose set forth.

2. A sheet-metal fastening device comprising two legs, each tapering or flaring at its ends to give to the sharpened edge a greater length than its opposite edge and at their central portion formed of obtuse angles to increase the width at its center, substantially as and for the purpose specified.

3. A sheet-metal fastening device comprising two legs, each tapering at its ends and provided respectively with sharpened and serrated edges and their central portion formed with obtuse angles to increase the width thereof, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE GILBERT WYLAND.

Witnesses:

J. W. PUTNAM,
GEO. C. WYLAND.