

(No Model.)

S. WALES.

CONNECTION FOR STRAPS OR BANDS.

No. 244,776.

Patented July 26, 1881.

Fig 1.

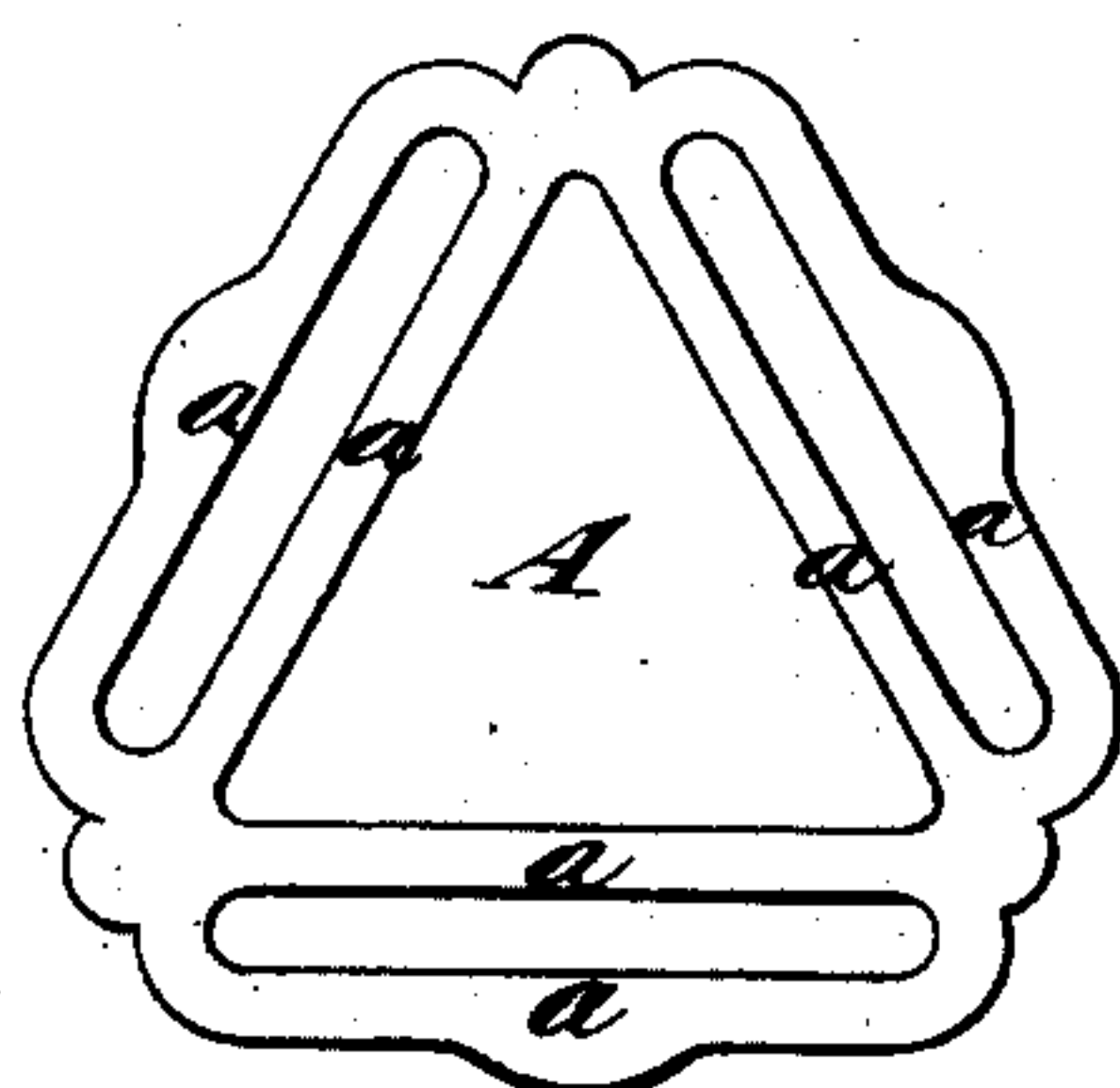


Fig 2.

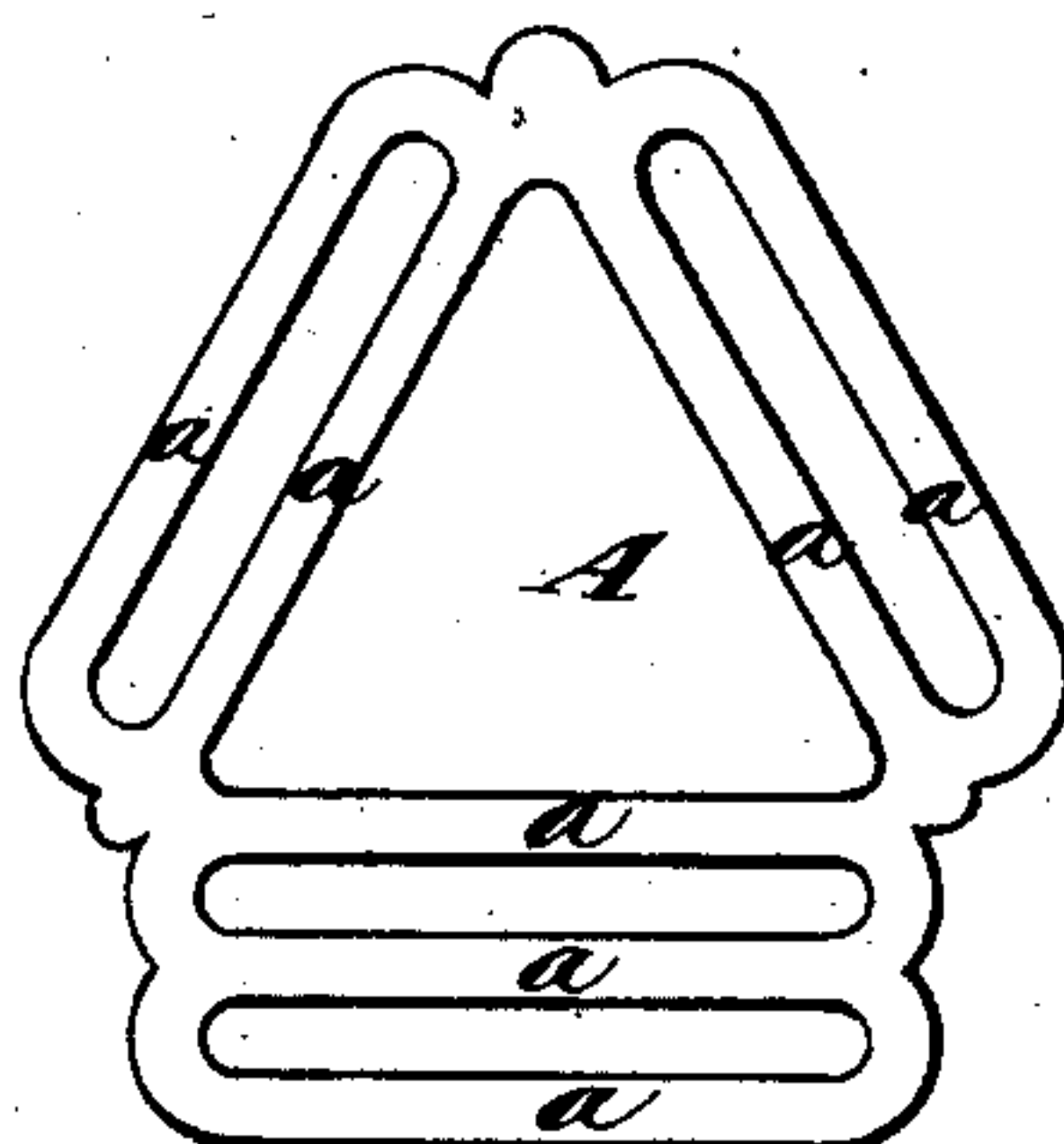


Fig 3.

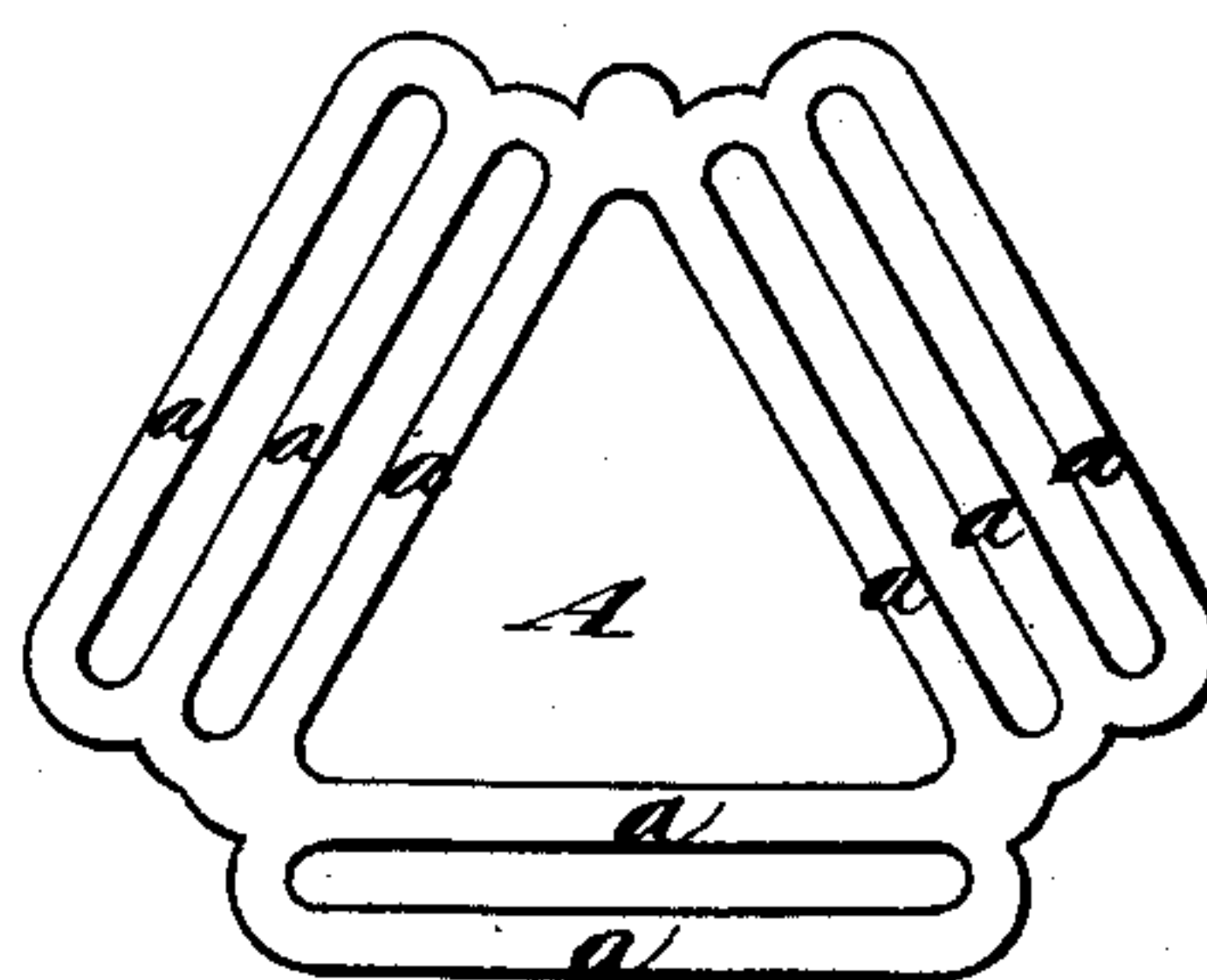


Fig 4.

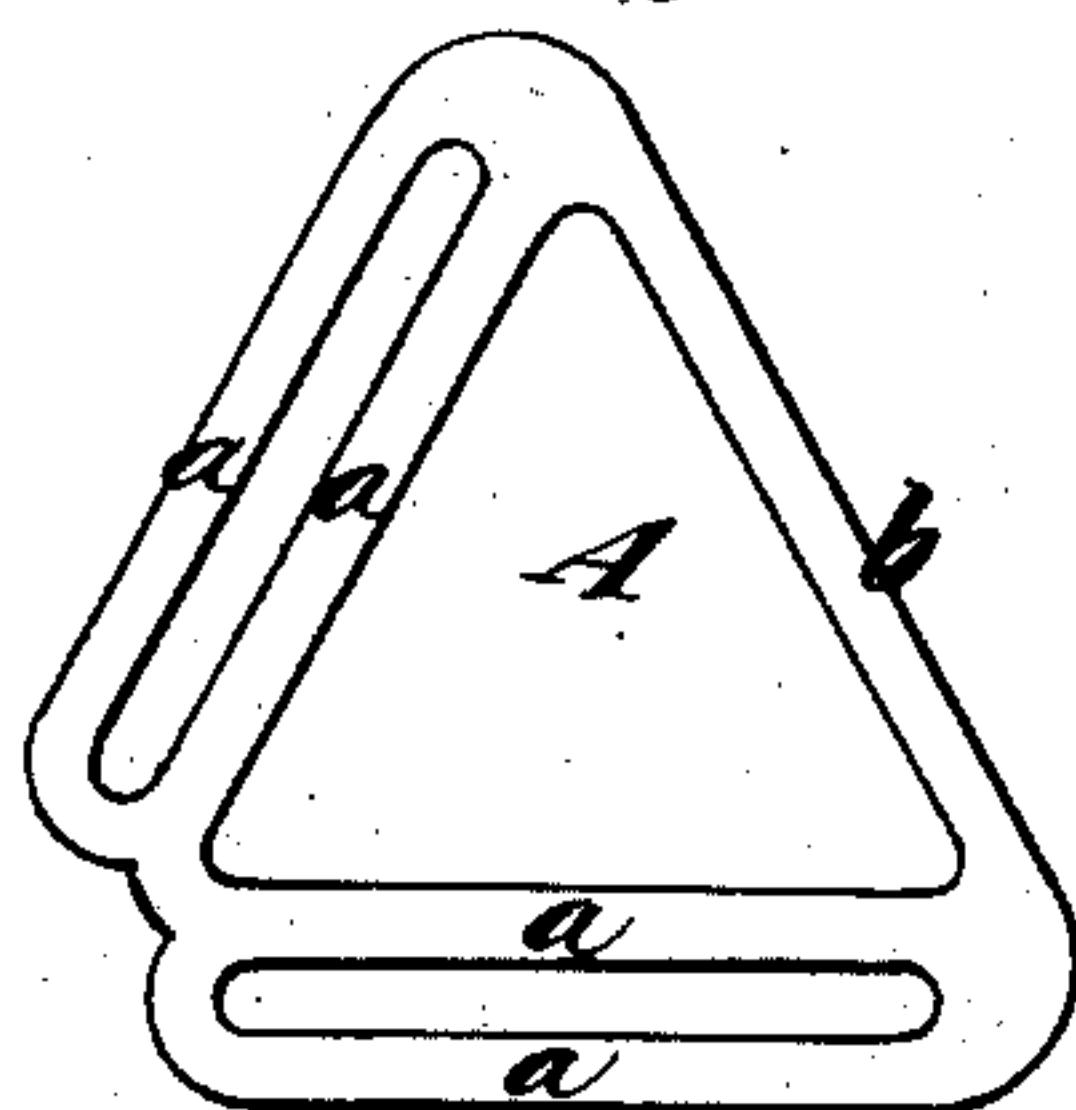


Fig 5.

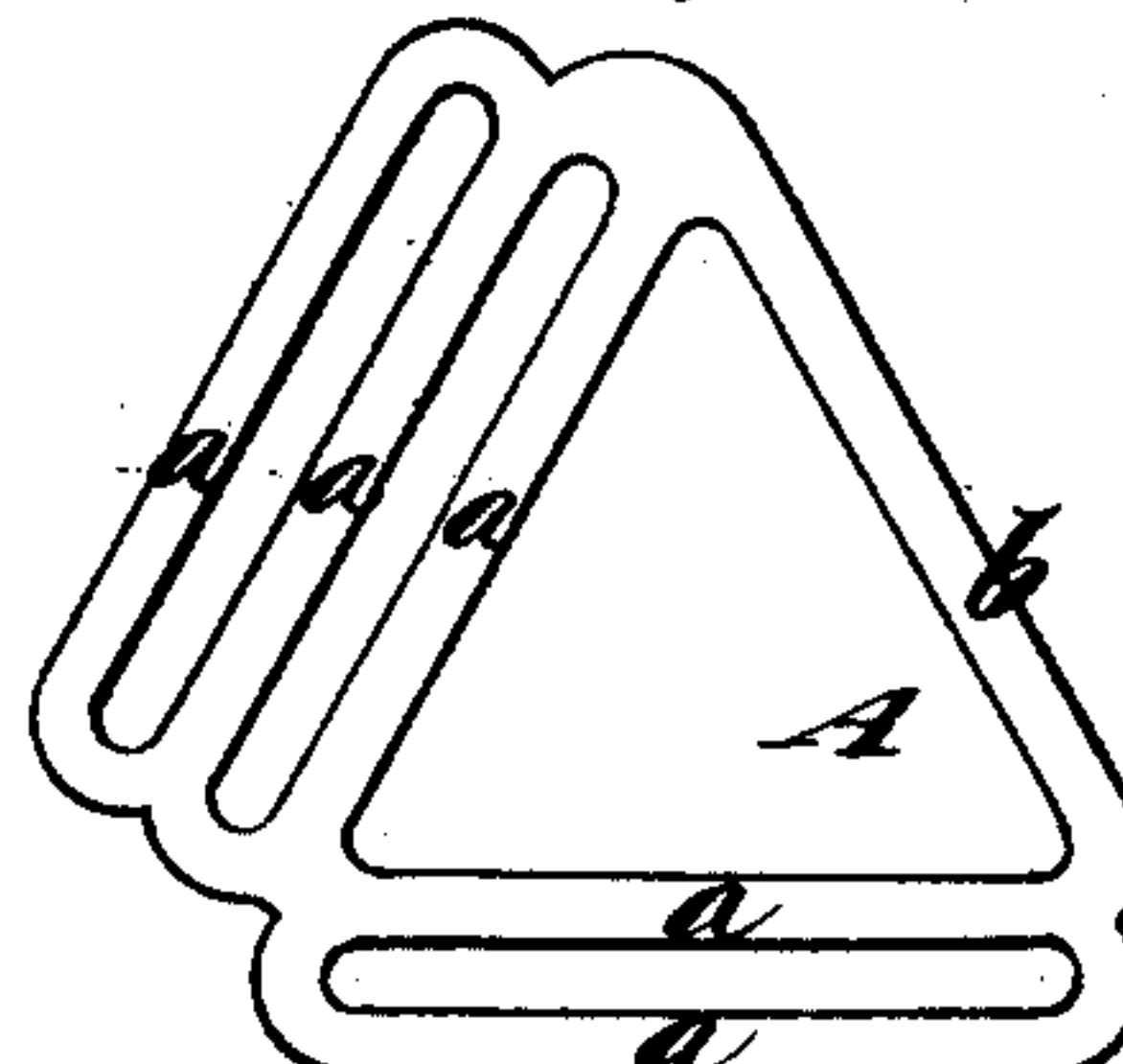


Fig 8.

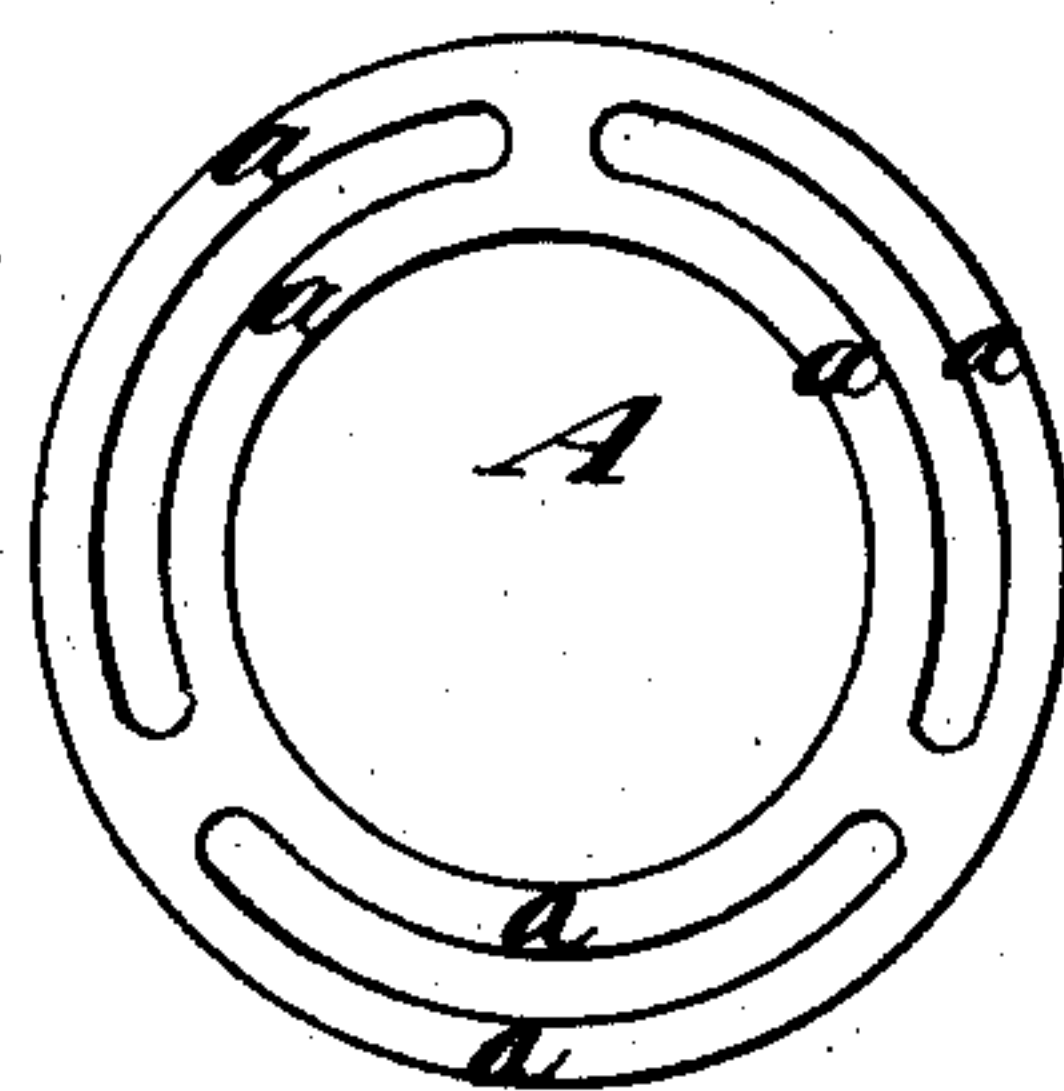


Fig 7.

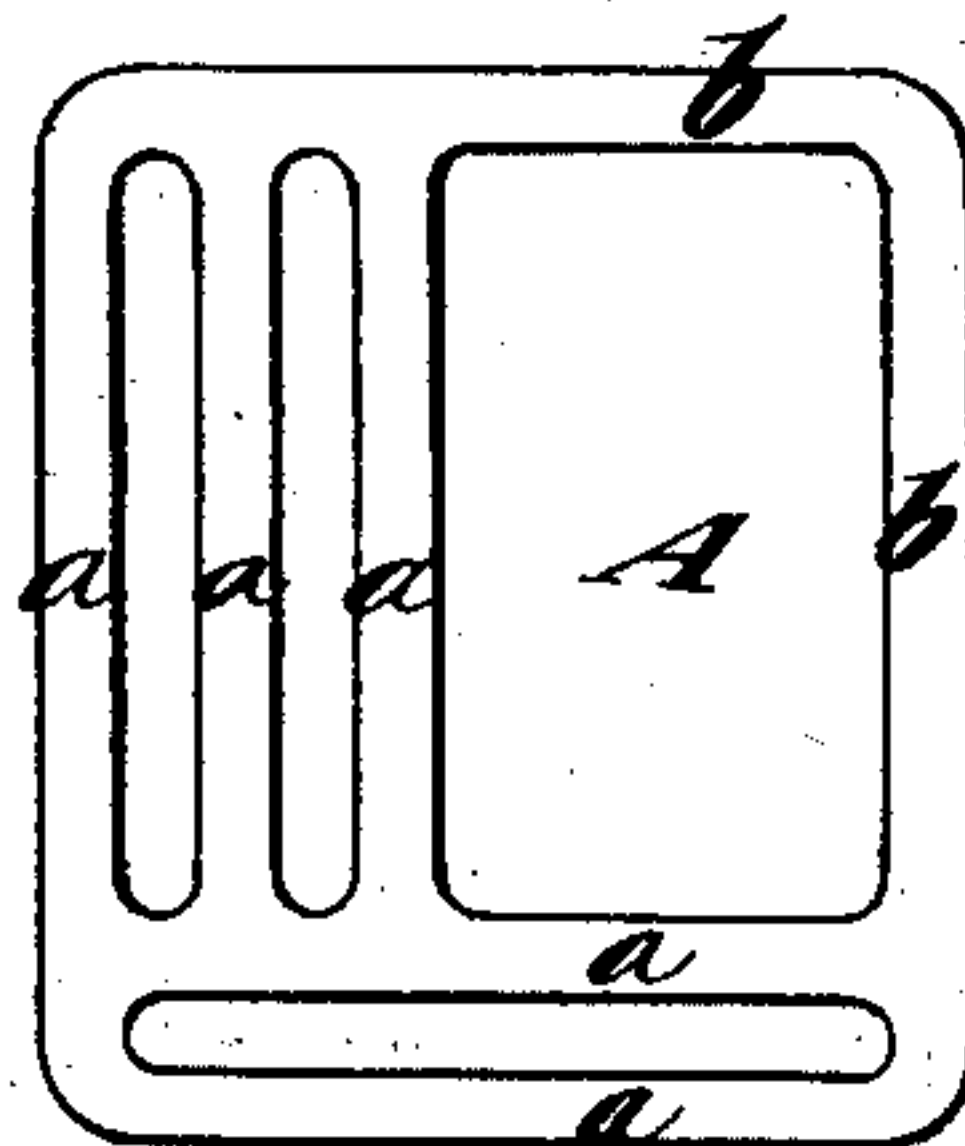


Fig 6.

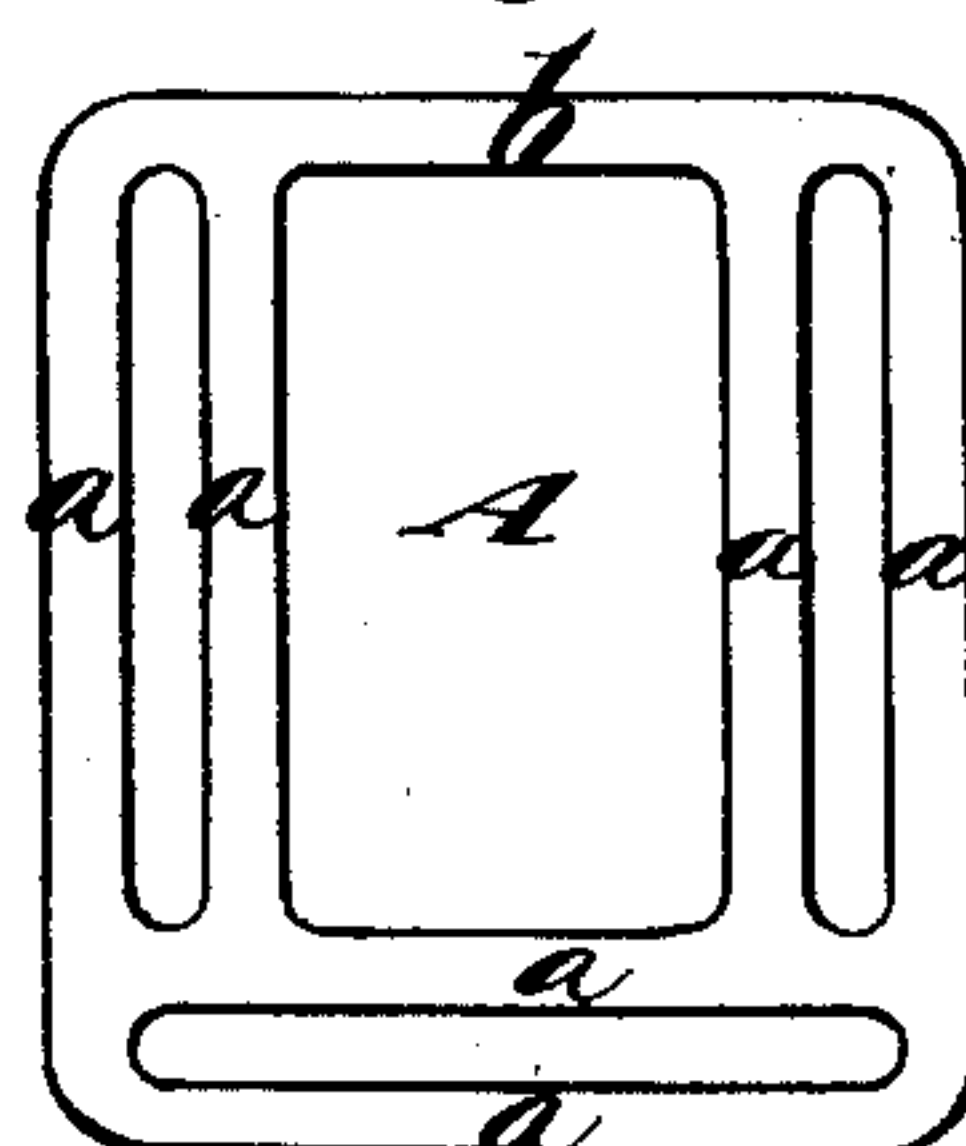
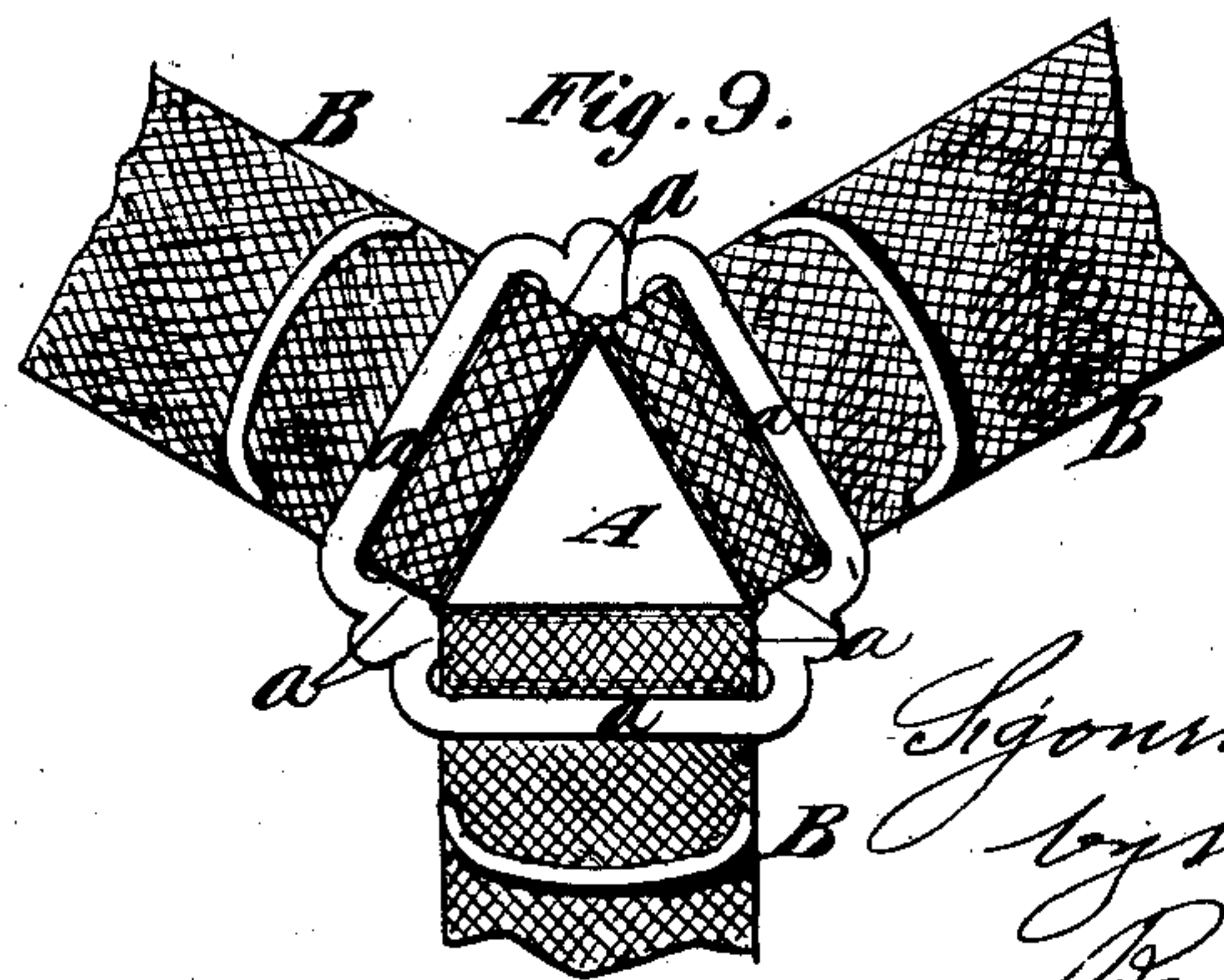


Fig 9.



Witnesses
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Inventor
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UNITED STATES PATENT OFFICE,

SIGOURNEY WALES, OF WATERBURY, CONNECTICUT, ASSIGNOR, BY MESNE ASSIGNMENT, TO HARRIOT H. WALES, OF SAME PLACE.

CONNECTION FOR STRAPS OR BANDS.

SPECIFICATION forming part of Letters Patent No. 244,776, dated July 26, 1881.

Application filed October 4, 1880. (No model.)

To all whom it may concern:

Be it known that I, SIGOURNEY WALES, of Waterbury, in the county of New Haven and State of Connecticut, have invented a certain
5 new and Improved Connection for Straps or Bands, of which the following is a specification.

The object of my invention is to produce a very simple and cheap device which may be
10 used for connecting two or more strap or band ends, so that the latter may be conveniently adjusted lengthwise and also detached when desired.

To this end my invention consists in the combination, with a skeleton-like plate or frame
15 having an open center and two or more pairs of parallel bars in its margin, of two or more straps or bands each having its end passed around one of the bars of one pair, and thence
20 inserted under the other of said bars and retroverted or turned back upon itself, as fully hereinafter specified.

In the accompanying drawings, Figures 1, 2, 3, 4, 5, 6, 7, and 8 represent connections
25 which differ slightly from each other in form, but which all embody the invention; and Fig. 9 represents a view of a connection of the form shown in Fig. 1, with straps or bands attached thereto.

30 Similar letters of reference designate corresponding parts in all the figures.

The connections, which are each formed of a single piece of sheet metal, by stamping or cutting, may be of triangular, rectangular, or
35 circular form, as here represented, or, if desirable, they may be of polygonal form. The connection consists of a skeleton-like plate or frame having an open center, A, and in the margin or edges of which are formed by the
40 same stamping operation pairs of bars *a a*. The plate or frame represented in Fig. 1, which is triangular, has pairs of parallel bars *a a* upon all three sides thereof.

Fig. 2 shows a plate or frame similar to Fig. 1, except that instead of having parallel bars
45 on three sides it has them only upon two sides and three parallel bars, *a a a*, upon the third side.

Fig. 3 shows a plate or frame similar to Fig. 1, except that it has three parallel bars, *a a a*,
50 upon two sides and two parallel bars, *a a*, upon the third side.

Fig. 4 shows a plate or frame similar to Fig. 1, except that it has parallel bars *a a* upon two
55 sides only, and upon the third side a single bar, *b*.

Fig. 5 represents a plate or frame similar to Fig. 1, except that it has three parallel bars,
60 *a a a*, upon one side, two parallel bars, *a a*, upon another side, and a single bar, *b*, upon the third side.

Fig. 6 shows a plate or frame of rectangular form having parallel bars *a a* upon three sides
65 thereof and a single bar, *b*, upon the fourth side; though, if desirable, it might have parallel bars upon all four sides.

Fig. 7 shows a plate or frame similar to that shown in Fig. 6, except that the plate or frame
70 illustrated in Fig. 7 has three parallel bars, *a a a*, upon one side, two parallel bars upon another side, and a single bar, *b*, upon each of the other two sides.

Fig. 8 shows a plate or frame of circular form divided so as to form three pairs of curved parallel
75 bars *a a*; but it might be divided so as to form four or more pairs of bars.

The manner of attaching the straps or bands B is clearly shown in Fig. 9, the end of the
80 strap or band being passed first through the open center or around one of the parallel bars and thence inserted under another of said bars and retroverted or turned back upon itself. Where only a single bar is shown the end of
85 the strap or band is intended to be permanently sewed or fastened thereon in any suitable manner. Where there are three parallel bars the strap may be passed through the open center or not, as is desired. The open center is very
90 advantageous, inasmuch as it enables parallel bars to be made by a single slot, while with a closed center two slots upon a side would be necessary, requiring a punch or cutter much
95 more difficult to make and much more liable to be broken than the tool used to make the open-center connection.

It is obvious that, inasmuch as the adjacent

edges of the straps or bands may be in contact or even slightly overlapped, the connection may be small as compared with the width of the straps or bands, it being unnecessary to leave
5 any metal between them.

By my invention I produce a simple connection, which may be very cheaply manufactured and very conveniently used for connecting the straps or bands of garters, braces, suspenders,
10 and other articles of wearing-apparel, and for other purposes.

It will be observed that the open center is advantageous whether the plate or frame comprises two or more pairs of parallel bars. If
15 the plate or frame has two pairs of bars it may be made smaller in two dimensions, and if it has three pairs of bars it may be made smaller in all three of its dimensions.

In referring to the plates or frames as having two or more pairs of parallel bars I do not mean that two sides of the plate or frame should have two parallel bars, and two only, but that

upon each of two sides thereof there shall be at least two parallel bars, and one or both of such pairs may be supplemented by a third bar. 25
For instance, in Fig. 3 the plate or frame has a pair of bars upon each of its three sides, and upon two sides an additional bar, while upon the third side there is only a pair.

What I claim as my invention, and desire to
30 secure by Letters Patent, is—

The combination, with a skeleton-like plate or frame having an open center and two or more pairs of parallel bars in its margin, of two or more straps or bands, each having its
35 end passed around one of the bars of one pair and thence inserted under the other of said bars, and retroverted or turned back upon itself, substantially as specified.

SIGOURNEY WALES.

Witnesses:

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H. S. CHASE.