

No. 649,761.

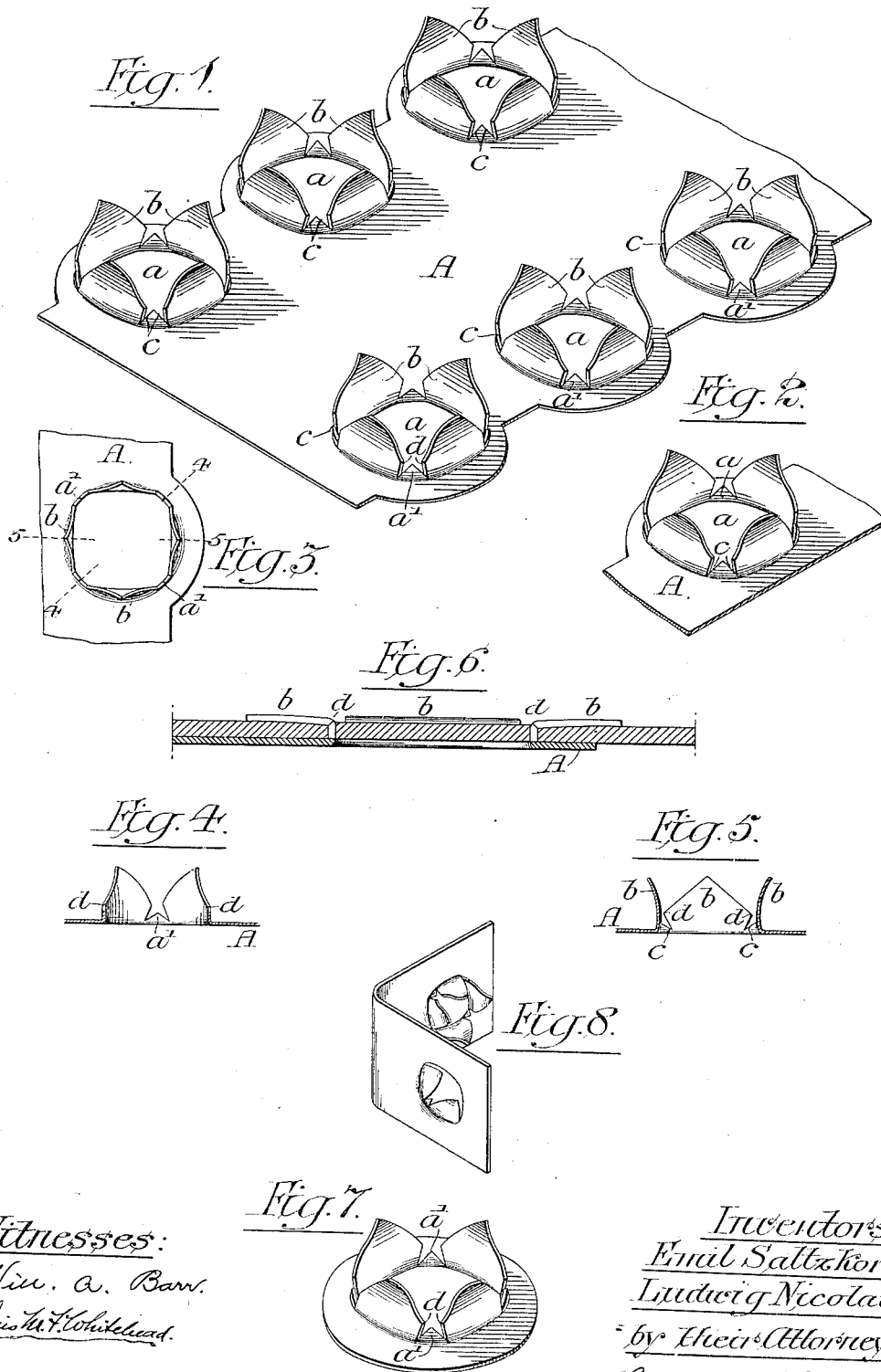
Patented May 15, 1900.

E. SALTZKORN & L. NICOLAI.

EYELET.

(Application filed July 17, 1899.)

(No Model.)



Witnesses:

Wm. A. Barr.
Louis H. F. Whithead.

Inventors:

Emil Saltzkorn.
Ludwig Nicolai.

by their Attorneys:

Howan & Herin

UNITED STATES PATENT OFFICE.

EMIL SALTZKORN AND LUDWIG NICOLAI, OF DRESDEN, GERMANY,
ASSIGNORS TO THE AMERICAN METAL EDGE BOX COMPANY, OF
CAMDEN, NEW JERSEY, AND PHILADELPHIA, PENNSYLVANIA.

EYELET.

SPECIFICATION forming part of Letters Patent No. 649,761, dated May 15, 1900.

Application filed July 17, 1899. Serial No. 724,072. (No model.)

To all whom it may concern:

Be it known that we, EMIL SALTZKORN and LUDWIG NICOLAI, subjects of the Emperor of Germany, and residents of Dresden, Germany, have invented certain Improvements in Eyelets, of which the following is a specification.

The object of our invention is to so construct a metal strip or eyelet adapted particularly to fasten the edges of boxes that each projection will be turned in clenching at a point near its base. This object we attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view showing a metal strip embodying our invention. Fig. 2 is an enlarged perspective view of one of the eyelets. Fig. 3 is a plan view. Fig. 4 is a sectional view on the line 4 4, Fig. 3. Fig. 5 is a section on the line 5 5, Fig. 3. Fig. 6 is a view showing the eyelet clenched to the cardboard side of a box or other strip. Fig. 7 is a view of a single eyelet embodying our invention. Fig. 8 is a view of a corner-strip having two eyelets embodying our invention.

Our invention is especially adapted for use in connection with the metal strips forming the metal edges of a pasteboard box; but it will be understood that while we have described the invention in connection with the strip in which a series of these eyelets is used a single eyelet may be used, such as shown in Fig. 7, if desired; as in many instances we may use either a single eyelet or a corner-piece having two eyelets, as shown in Fig. 8.

Referring now to Figs. 1, 2, 3, and 4, A is a strip of metal adapted to be bent at right angles to form the metal edge of a box. This strip can be made in any length desired. Near each edge of this strip are a series of perforations *a*. The metal forced from the strip to form the perforations is in the present

instance separated into four parts *b* by a suitable die, and each of these parts is curved so that the points will project slightly backward. The object of this is that when the eyelet is forced into the material the projection will be directed backward to clench rather than forward to close the opening.

In order to insure the bending of the projection at the base where it joins the metal strip, we undercut the projection at *c*, so that each projection is in the form of an arrow-head. Thus the greatest width of the projection is some distance above the point where it joins its base, and consequently when the projection is bent over to clench it will bend on a line below the points *d d*.

In making the arrow-head projections by undercutting each projection we form a short pointed projection *a'* between each of the larger projections, as indicated in the drawings. These short projections *a'* are turned up, as shown in the drawings, and complete the circle, as shown in Fig. 3, so that the edges of the strip around the opening will be smooth.

It will be understood that while we have shown four points for each eyelet three or more points may be made, as desired.

We have shown the metal strip scalloped at each edge; but it will be understood that the strip may have perfectly-plain sides without scallops, if desired, or the strip may be shaped differently from that shown without departing from our invention.

We claim as our invention—

1. As a new article of manufacture, an eyelet having one or more pointed projections undercut at the base forming arrow-heads, whereby the eyelet can be forced into the material and clenched, substantially as described.

2. As a new article of manufacture, an eyelet having a series of pointed projections un-

dercut, and a series of short pointed projections alternating with the larger projections, substantially as described.

3. As a new article of manufacture, a metal
5 strip for attaching the sides of boxes together, said strip having a series of openings, the metal from these openings being forced up to form prongs, said prongs being bent backward and arrow-shaped so that they will bend
10 at a point near the body of the strip when clenched, substantially as described.

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

EMIL SALTZKORN.
LUDWIG NICOLAI.

Witnesses as to Emil Saltzkorn:

HERNANDO DE SOTO,
PAUL ARRAS.

Witnesses as to Ludwig Nicolai:

H. D. JAMESON,
FREDK. L. RAND.