Aug. 31, 1943. A. GELFAND 2,328,268

PAPER FASTENER

Filed March 5, 1943

Fig. 1

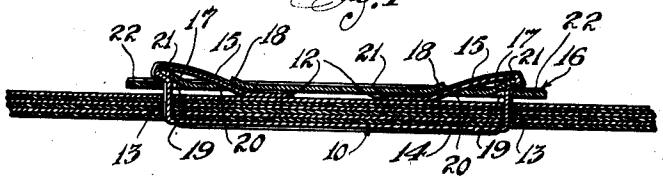



Fig. 2

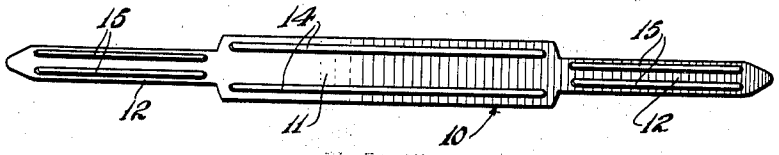



Fig. 3

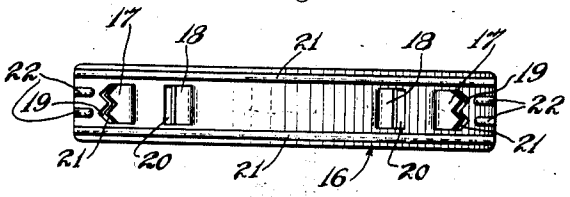



Fig. 4

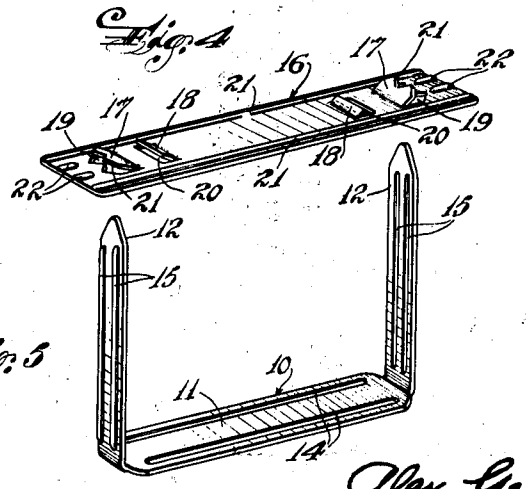



Fig. 5

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# UNITED STATES PATENT OFFICE

2,328,268

## PAPER FASTENER

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Application March 5, 1943, Serial No. 478,165

2 Claims. (Cl. 24—153)

This invention relates to paper fasteners of the type composed of only two parts, relatively, a base having narrowed end extensions, and the other a compressor provided with openings receptive of the extensions.

One of the objects is to provide a fastener simple and inexpensive to manufacture, easily applied or removed, and capable of extension to accommodate widely varying thicknesses of paper assemblages.

A further feature is in the provision of a fastener that is actually locked when in operative position, and cannot damage the finest of papers, the parts of the fastener being preferably made of non-corrodable material.

Another purpose is to produce a paper fastener of relatively light, thin substance, stiffened and rendered substantially inflexible by reason of a plurality of parallel indentations embossed on the surface.

These and other advantageous objects are attained by the novel construction, combination and arrangement of simple parts hereinafter described and illustrated in the accompanying drawing, constituting a graphical part of this disclosure, and in which:

Figure 1 is a longitudinal sectional view showing an embodiment of the invention as applied to a package of papers,

Figure 2 is a plan view of the base element extended at length,

Figure 3 is a similar view of the compressor element, and

Figures 4 and 5 are perspective views of these elements, shown in position for cooperative attachment.

Referring to the drawing, the numeral 10 indicates broadly the base of the fastener, composed of a body portion 11 having spaced flexible prongs or tongues 12 capable of being readily bent at right angles to the body so as to pass through openings 13 in the bundle of papers.

The body portion and tongues are preferably heavily embossed longitudinally at 14 and 15 to increase the strength thereof and impart rigidity to the same.

The compressor or protector plate 16 is composed of preferably an elongated rectangular, relatively flat plate, provided at each end thereof with a pair of angular and upwardly extending prongs 17 and 18, projecting in the direction towards the adjacent ends of the plate.

These prongs are struck out of the plate, thereby producing openings 19 and 20 which are adapted to receive the longitudinally embossed tongues 12 of the base 10.

The upwardly angular extending prongs 17, which are preferably located nearest the end of the plate 16, are provided with serrated edges 21, corresponding with the serrations in the openings 19 in the plate from which the prongs 17 were formed.

The compressor plate 16 is also embossed longitudinally at 21 and 22 to increase the strength thereof and impart rigidity to the same.

The base 10 and the compressor plate 16 may be formed of any suitable material which lends itself well to manufacture, as for instance, Celluloid, pressboard, fibre, fabric or the like.

In practice, the flexible prongs 12, of the base 10, are projected through the openings 13 in the papers; on the side of the latter, normally forming the top, is placed the compressor plate 16. The ends of the prongs 12 are passed through the serrated openings 19 and 19, turned outwardly over the tops of the serrated prongs 17 and 17, and over the plate 16 and then the ends of the prongs are passed through the openings 20 and 20 and under the angular prongs 18 and plate 16. Thus, the prongs are temporarily locked in position, but can be raised for the insertion or removal of papers.

It is to be noted that the prongs are covered by other parts of the device, and that no projections extend to interfere with the relatively smooth surfaces of the entire fastener.

The foregoing disclosure is to be regarded as dscriptive and illustrative only, and not as restrictive or limitative of the invention, of which, obviously, embodiments may be constructed, including many modifications, without departing from the spirit and scope of the invention herein set forth and denoted in the appended claims.

Having thus fully described the invention and set forth the manner of its construction and application, what is claimed as new and sought to be secured by Letters Patent, is:

1. A fastener comprising a compressor plate having a pair of ends, a pair of adjacent, angularly directed, parallel, upwardly extending prongs adjacent each end of said plate, said prongs being struck out of the material of said plate to define openings in the plate adjacent said prongs, each pair of prongs being directed toward the adjacent end of the plate, serrated edges on that prong of each pair which is nearest the adjacent end of the plate, and a fastener base provided with a pair of tongue portions, each tongue portion being adapted to be passed upwardly

through the opening from which the prong having serrated edges was struck, and to be bent over said prong and downwardly under the adjacent prong and through the opening from which the said last-mentioned prong was struck.

2. A fastener comprising a compressor plate having a pair of ends, a pair of adjacent, angularly directed, parallel, upwardly extending prongs adjacent each end of said plate, said prongs being struck out of the material of said plate to define openings in the plate adjacent said prongs, each pair of prongs being directed toward the adjacent end of the plate, and a fastener base provided with a pair of tongue portions, each tongue portion being adapted to be passed upwardly through the opening from which one prong was struck, and to be bent over said prong and downwardly under the adjacent prong and through the opening from which the said last-mentioned prong was struck.

ALEX GELFAND.