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P. MICHALSKY

2,770,023

PRESS FASTENER

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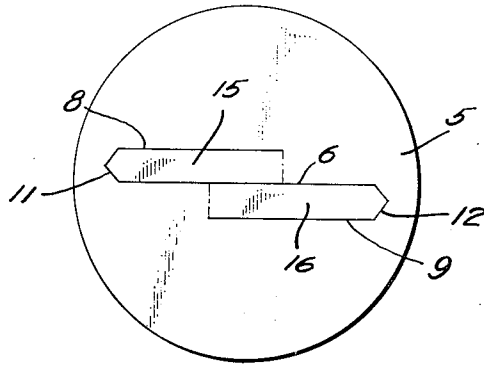


Fig. 1.

Fig. 2.

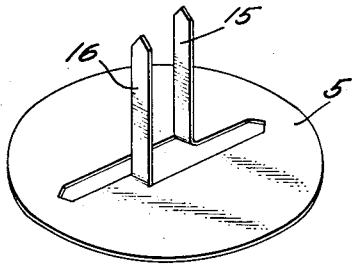


Fig. 3.

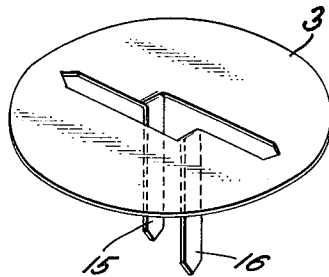
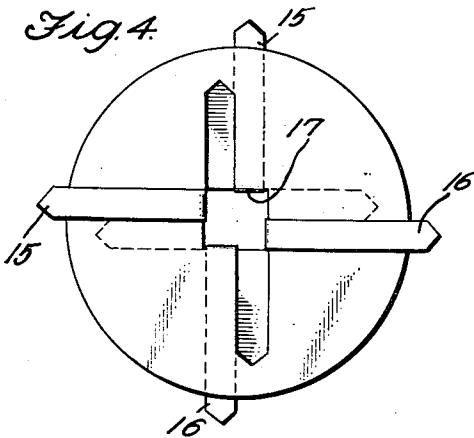


Fig. 4.



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2,770,023

**PRESS FASTENER**

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1 Claim. (Cl. 24—153)

This invention relates to a paper fastener or the like. An object of this invention is the provision of a simple economical paper fastener formed from a single piece of sheet material with prongs to penetrate and fasten through a paper or papers to be secured together, or to a backing.

A feature of this invention is the shearing out of prong members with a central cut through a sheet of material to spaced points well within the edge of the sheet leaving limited margins. Two other shear cuts are provided parallel to the center cut on opposite sides of the outer end and equally spaced in from the edge ending in rounded cross cuts to clear two prong members. These outer cuts terminate somewhat past the center so that when the included prongs are bent out from their connection to the sheet a square central aperture is left through the sheet.

A further feature is the use of two such fasteners in opposition to one another with prongs passing in opposite directions through an intervening stack such as sheets of paper and defining a space through which may pass another fastener such as a rivet or bolt.

In the drawings Fig. 1 shows the blank sheet sheared ready for the step of bending out two prongs; and Fig. 2 shows how two of these fasteners cooperate to bind articles together.

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The fastener 3 is formed from an original blank designated as 5. A shearing operation or punching step forms a transverse cut 6 centrally of the blank extending to adjacent the margin of the blank. The same stamping or shearing operation can place two shorter cuts 8 and 9 parallel to the center cut and spaced therefrom a distance equal to the desired final prong width. The outer adjacent ends of these cuts are joined respectively, but cuts 11 and 12, each cut being substantially parallel to the adjacent outer marginal edge of the blank, rounded or as desired. This punching or stamping operation outlines two prongs 15 and 16 of desired length and width.

These prongs, when bent perpendicular to the plane of the original blank, form a central rectangular aperture 17 through which may be passed the prongs of an identical fastener 3 to secure intervening material or papers from opposite sides.

I claim:

A paper fastener or the like formed of bendable sheet material with a central shear cut stopping a predetermined distance short of the outer edges of the material and with side cuts parallel to the center cut on opposite sides of the center cut, one extending from said distance within the edge of the material to a point well beyond the center of the sheet and the other extending from said distance within an opposite edge to a point beyond said center and a cut adjacent each of said opposite edges connecting the ends of the shear cuts adjacent each edge of the material to define oppositely extending prong outlines.

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