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941 O.G. 9

T941,018

PROCESS FOR THE PRODUCTION OF SHAPED ARTICLES

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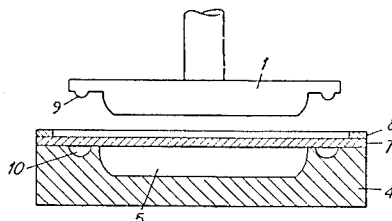
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Int. Cl. B29c 27/06

U.S. Cl. 156-69

5 Sheets Drawing, 22 Pages Specification



Shaped articles, such as food trays and the like, are produced by cold-forming polyester, especially oriented polyethylene terephthalate, films below the polyester glass transition temperature, heat setting and quenching. Slight relaxation at the heat setting temperature may be effected to improve dimensional stability. Short cycling times can be achieved by using a cold-forming punch of low thermal capacity, for instance a shaped copper sheet, through which the shaped film is heated while held in the deformed condition. Lids may be applied to the shaped articles by melt adhesives. Food containers so formed are suitable for heating in both conventional and microwave ovens.

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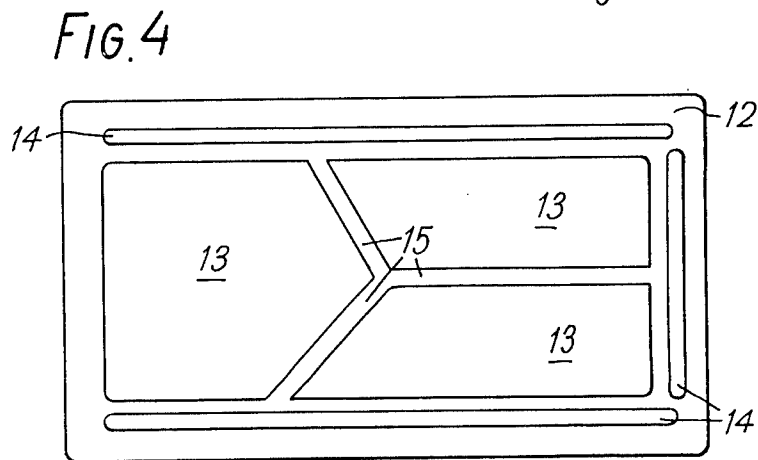
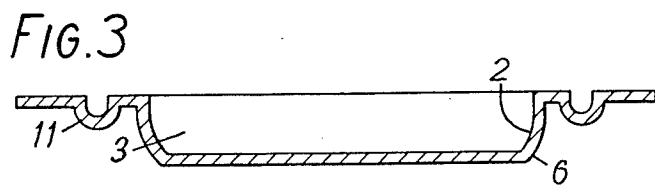
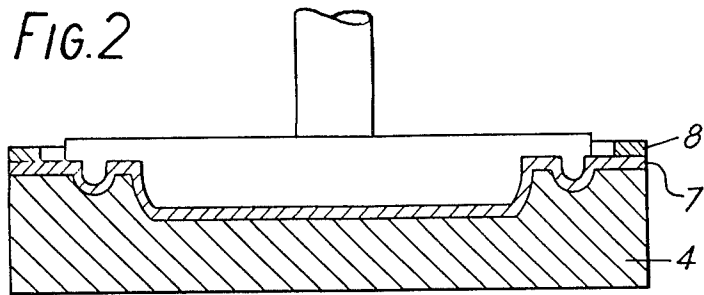
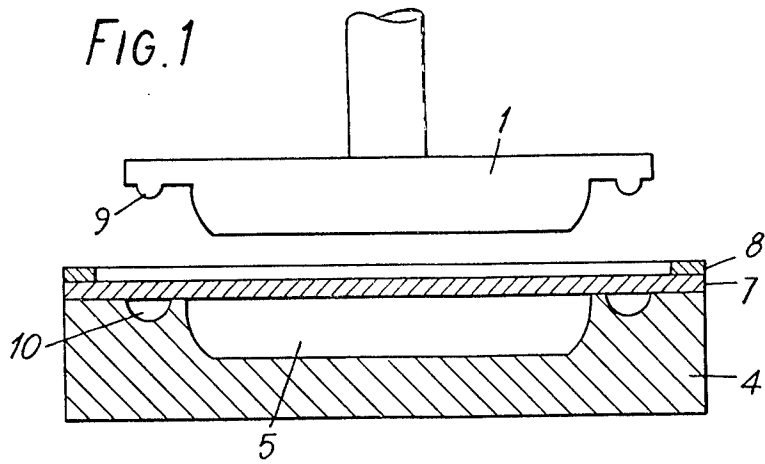


FIG. 5

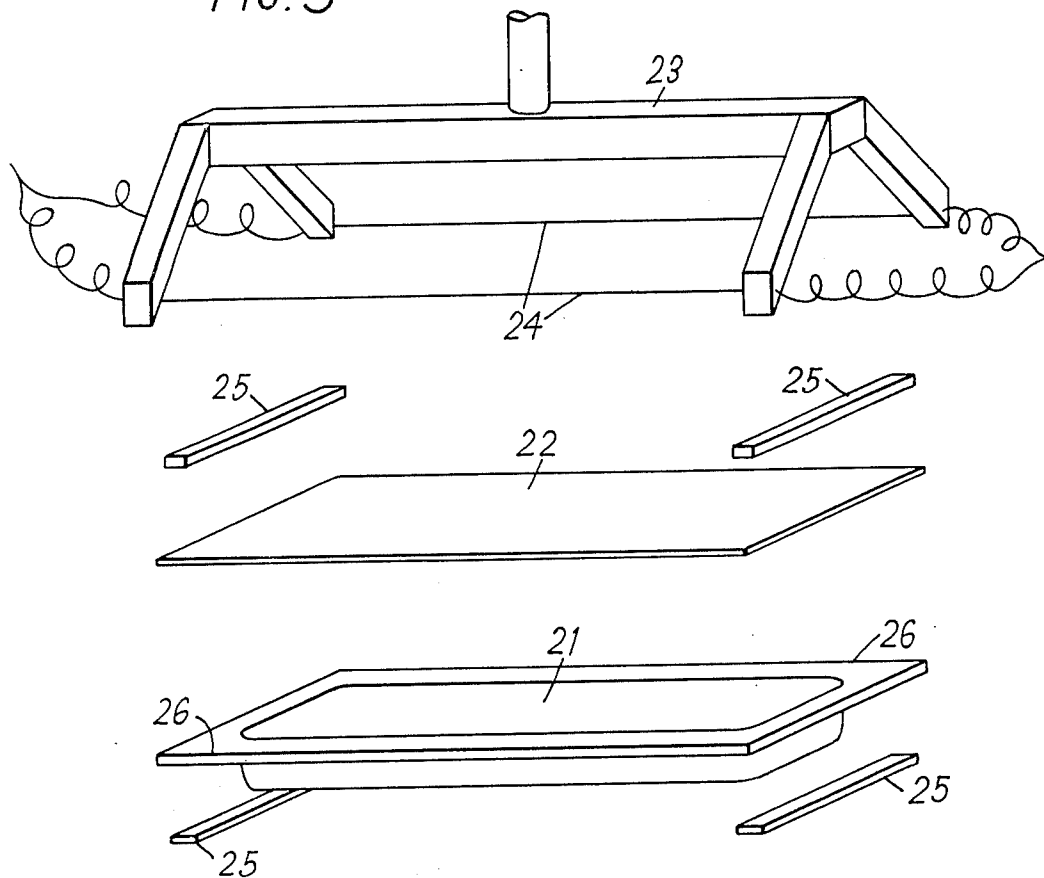
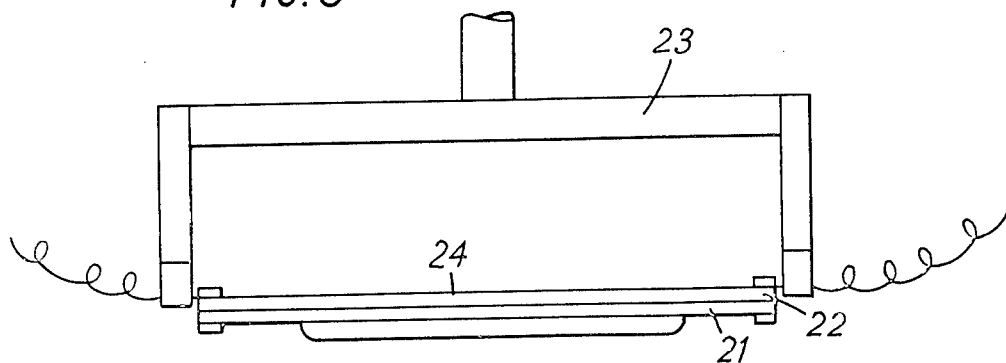


FIG. 6



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FIG. 7

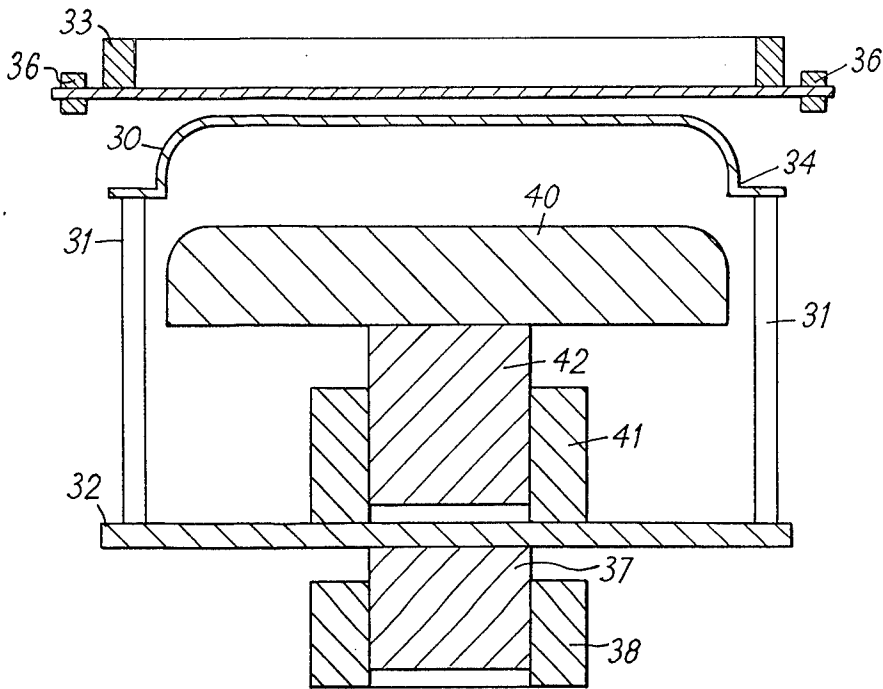
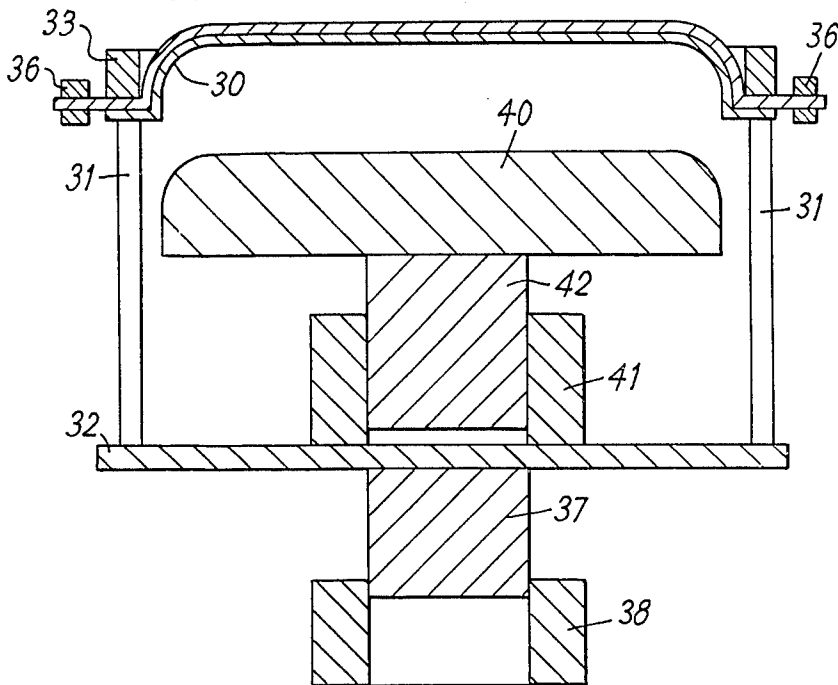


FIG. 8



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FIG. 9

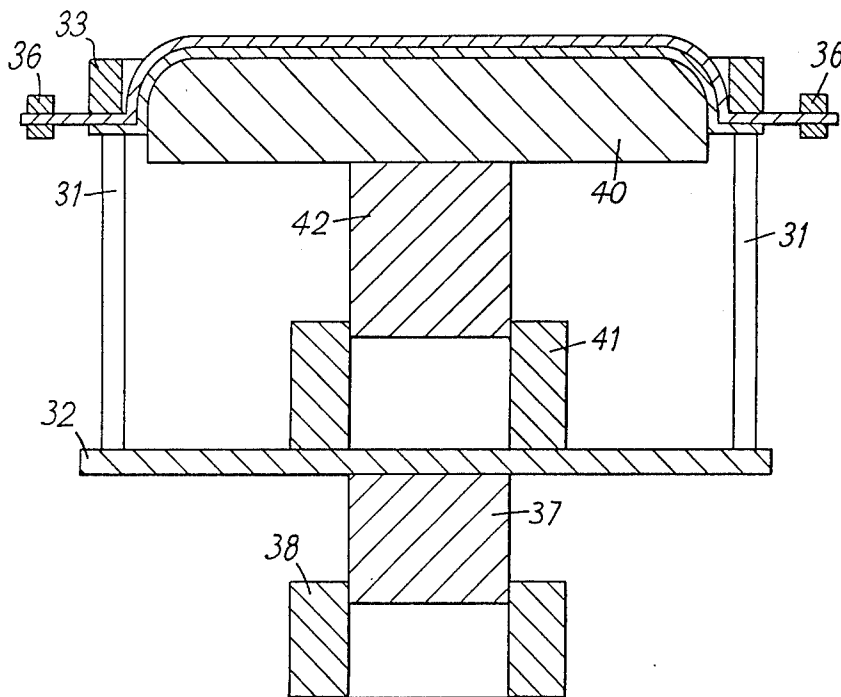


FIG. 10

