March 21, 1939. H. M. RAMEL ET AL 2,151,486

PACKAGE

Filed Dec. 30, 1937

Fig. 1.

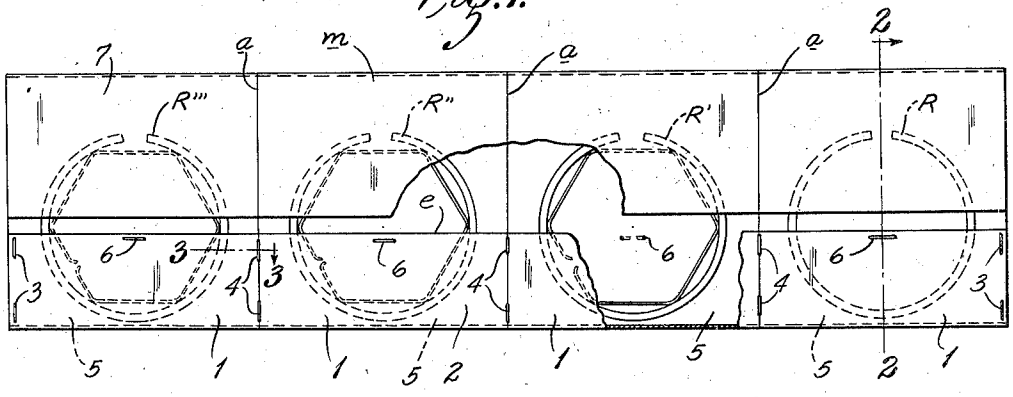


Fig. 2.

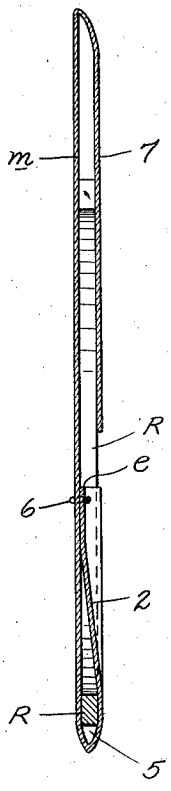


Fig. 3.

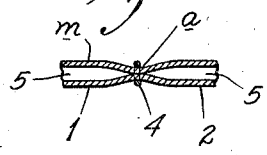


Fig. 4.

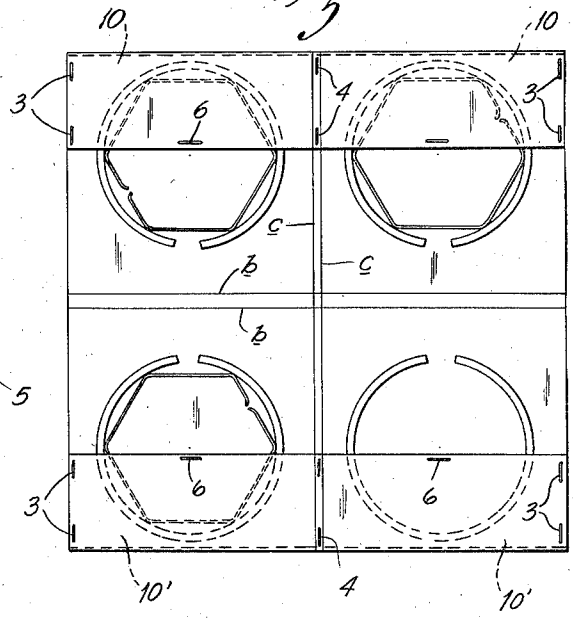
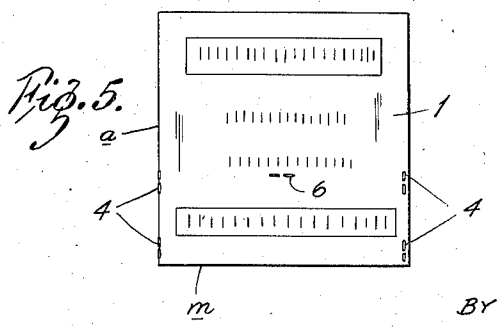


Fig. 5.



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PACKAGE

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Application December 30, 1937, Serial No. 182,527

2 Claims. (Cl. 206—46)

Our invention has relation to improvements in packages and it consists in the novel features of construction more fully set forth in the specification and pointed out in the claims.

The object of the invention is to provide a package for comparatively flat articles of merchandise, such as piston rings, in which the articles are packed for shipment and in which they also may be displayed.

A further object is to provide a package that is convenient (in the case of piston rings) for the mechanic as he works on a job. Heretofore it was customary to pack piston rings in individual envelopes, and in working on a job the mechanic had to keep track of these individual envelopes, or the individual rings as removed from the envelopes. Unless the mechanic was very methodical in his work, much time was consumed because of the multiplicity of articles he had to handle. The great advantage of our improved package is that all of the piston rings required for a given piston are packed in sets in one package and the mechanic, while working on a job, has the entire set before him and removes the individual rings from the package as required.

These advantages will be better apparent from a detailed description of the invention in connection with the accompanying drawing, in which:

Figure 1 is a plan view of the package containing a complete set of piston rings for one piston, said package being opened for use to expose all of said rings.

Figure 2 is a cross-sectional detail through the package taken on the line 2—2 of Fig. 1; Fig. 3 is a cross-sectional detail taken on the line 3—3 of Fig. 1; Fig. 4 is a modified form of package in which the piston rings are arranged in pairs instead of in line; and Fig. 5 is a face view of the package folded for shipment.

Referring to the drawing, 1, 1, 1, 1, represent a series of panels separated by lines *a*, *a*, *a* scored in the material to facilitate folding. The collective panels are formed of a single sheet of material *m* having a folded-over portion 2 secured to the main body of the material *m* by marginal staples 3, 3 and also secured along the score lines *a*, *a*, *a* by staples 4, 4. The stapling of the portion 2, as just described, forms a series of pockets 5, 5, 5, 5 for the reception of the piston rings R, R', R'', R''' which are securely held in the pockets by staples 6 passed through the main body of the material *m* and the folded-over flap 2 adjacent to the upper edge *e* of the flap and centrally of the panel 1. A flap 7 is folded downwardly from the main body of the material *m* to form a covering protection for the rings within the pockets, but the flap 7 is not secured in any manner. The scored lines *a*, *a*, *a* are also impressed on the flap 7 so that the panels 1 may be easily folded one over the other to produce the compact package shown in the face view in Fig. 5.

The manner of folding is preferably to fold the two outer panels over the two inner panels and then fold the two inner panels together, although this may be varied without departing from the spirit of the invention.

In Fig. 4 we show a somewhat modified arrangement of panels in which the pockets 10, 10 are opposed to the pockets 10', 10', the construction otherwise being the same as in the form shown in Fig. 1 except that the score lines *b*, *b* are somewhat further apart than the score lines *c*, *c* because after the panels have been folded one over the other along the lines *c*, *c*, the greater resulting bulk can best be handled in the final folding operation by the more widely separated score lines *b*, *b*.

From the foregoing, it is apparent that we have provided a compact package, greatly facilitating the handling of piston rings and, at the same time, permitting the rings to be effectively displayed.

Having described our invention, we claim:

1. A package for piston rings comprising a sheet of material separated into a plurality of juxtaposed panels by a series of score lines, a flap formed integrally with said sheet and folded over the panels collectively, means for securing said flap at the margins of the panels to provide a pocket at one side of each panel, a piston ring in each pocket, and means passing through the sheet and the flap within the margin of the ring for securing the rings in the respective pockets.

2. A package for piston rings comprising a sheet of material separated into a plurality of juxtaposed panels by a series of score lines, a flap formed integrally with said sheet and folded over the panels collectively to provide a series of connected pockets at one side of the sheet, a piston ring in each pocket, and means passing through the sheet and the flap within the margin of the ring for securing the rings in their respective pockets.

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