

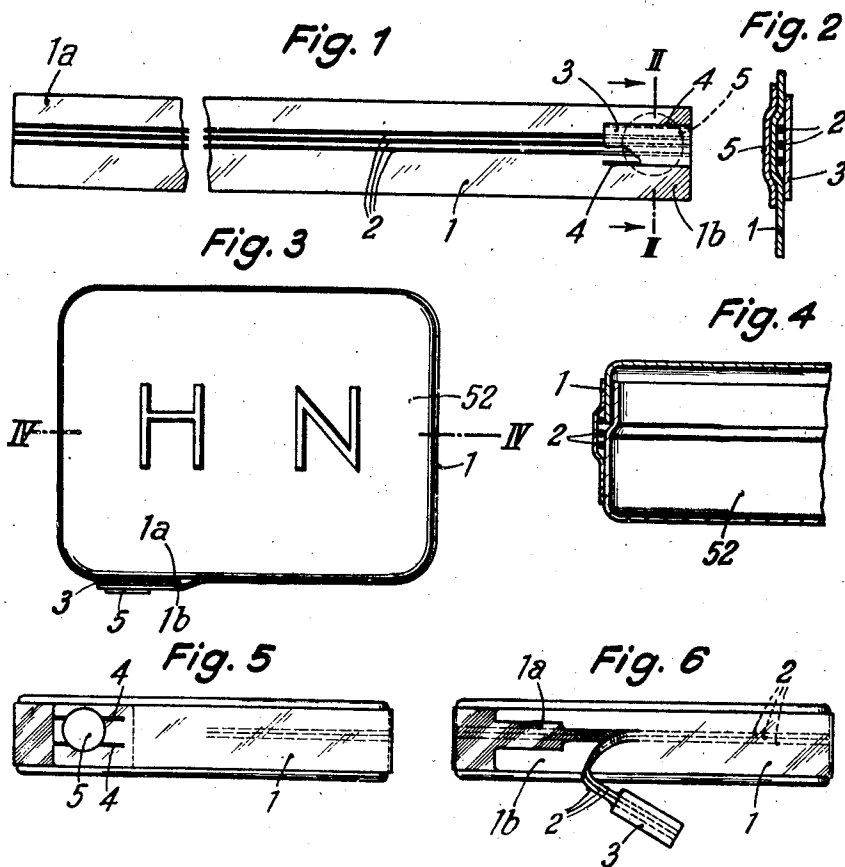
June 14, 1938.

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2,120,629

AIR AND MOISTUREPROOF RIP SEAL FOR PACKAGES

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UNITED STATES PATENT OFFICE

2,120,629

AIR AND MOISTURE PROOF RIP SEAL FOR PACKAGES

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Original application January 9, 1936, Serial No. 58,364. Divided and this application February 23, 1937, Serial No. 127,303. In Germany April 20, 1935

2 Claims. (Cl. 229—51)

This application is a division of my copending application 58,364 filed January 9, 1936.

This invention relates to an air and moisture proof rip seal for packages and boxes of any kind, more particularly cigarette packages of that type wherein the opening joint of the package, for instance the joint between the base part and the cover is effected by an air and moisture proof seal strip, for instance, of cellulose derivatives or metal foil, which is provided on the inner side with a layer of glue and carries on this glued side a narrower strip, for instance of metal foil or a plurality of spaced strips or cords (of hemp) which serve as ripping strips or cords so that when the package is opened, not the entire seal strip surrounding the opening joint is torn off but only the middle part of the strip which is covered by the ripping cords or ripping strips.

According to the invention, the end of the seal strip, which overlaps the beginning of the seal strip when the latter has enveloped the opening joint, is covered for instance by a strip of paper so that the overlapped end of the seal strip does not adhere thereto. Two slots are also formed therein at a distance from the ripping cords or strips on the seal strip so that the overlapped end of the seal strip is lifted along the said two slots and when exerting a further pull, the tearing is effected along the ripping strips or cords around the opening joint. In order that the place where the overlapped end of the seal strip is to be gripped by the fingers may be made easily recognizable, an outer visible mark of another color is applied thereto.

The construction of the seal strip and of the box or package provided therewith is shown by way of example in the accompanying drawing, in which:—

Fig. 1 is a side elevational view of the improved rip seal applied to a box or package,

Fig. 2 is an enlarged transverse sectional view on line II—II of Fig. 1,

Fig. 3 is a top plan view of a container provided with the improved seal strip,

Fig. 4 is an enlarged sectional detail through a portion of the container in a direction along the line IV—IV of Fig. 3,

Figs. 5 and 6 are end elevational details of the arrangement shown in Fig. 3.

Similar characters of reference are employed in all of the above described views to indicate corresponding parts.

The seal strip for the rip seal is made from an air and moisture proof strip 1, for instance, from a viscose strip as shown in Figure 1. The strip 1 which surrounds the opening joint of the box and is provided on the inner side with a layer of glue is ripped by a narrow ripping strip placed on this layer of glue or as shown in Figure 1 by a

plurality of cords 2 embedded in the adhesive layer of the said strip. In order to obtain a complete air-tight closure of the seal strip around the box, it is advantageous to use a glue or adhesive which is diluted with a volatile solvent.

The overlapping end 1b of the seal strip 1 (see for instance Figure 3) is covered on the glue side by a special unglued strip of paper 3 so that the overlapped end cannot adhere to the beginning of the strip 1. Slots 4 are provided in the region of the said end and in the vicinity of the edges of the ripping strip or the outer ripping cords on this overlapped end 1b. In order that the slotted part of the end 1b of the seal strip is made easily recognizable for gripping when it is desired to open the box, a special seal mark 5 is attached to the slotted end (see Figure 1 and particularly Figure 5). As indicated in Figure 6, the seal is ripped up along the inner ripping strip or ripping cords 2 of the seal strip 1 as soon as the slotted part of the overlapping end 1b is gripped by the fingers and the seal is ripped up in the manner shown in Fig. 6.

Particular reference is made to Figs. 7 to 17 of the parent application wherein means is shown for mechanically producing the present air and moisture proof rip seal.

It is believed in view of the foregoing that a further detailed description of the operation of the invention is entirely unnecessary. Likewise it is believed that the advantages of the invention will be readily apparent.

Having thus fully described the invention what is claimed as new and desired to be secured by Letters Patent is:—

1. In a package such as a cigarette box, an air and moisture-proof sealing strip having an adhesive coating on one surface thereof and surrounding the box so as to cover the opening joint thereof, a narrower ripping strip arranged on the adhesive side of the sealing strip, a strip of paper covering the adhesive coated end of the sealing strip which overlaps the first end of the sealing strip when the same is arranged around the package to cover the opening joint so that the overlapped end does not adhere to the first end of the strip, and a gripping tongue for starting the ripping of the sealing strip along the ripping strip, said tongue being formed by having two slots arranged in the end of the sealing strip, said slots being spaced apart at a distance approximately equal to the width of the ripping strip.

2. A rip seal according to claim 1 characterized by the fact that the gripping tongue is rendered recognizable by a mark applied to the end of the sealed strip which overlaps the end of the first strip.

HEINRICH SCHÜNEMANN.

CERTIFICATE OF CORRECTION.

Patent No. 2,120,629.

June 14, 1938.

HEINRICH SCHUNEMANN.

It is hereby certified that the name of the assignee in the above numbered patent was erroneously written and printed as "Hans Neuerburg, G. m. b. H." whereas said name should have been written and printed as Haus Neuerburg, G. m. b. H., of Cologne-on-the-Rhine, Germany, as shown by the record of assignments in this office; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 27th day of September, A. D. 1938.

Henry Van Arsdale

(Seal)

Acting Commissioner of Patents.