POURING SPOUT OF CONTAINER

Field of the Invention

[0001]

The present invention relates to a pouring spout of a container. More specifically, the present invention relates to a pouring spout of a container used as a refilling container or the like storing contents for refilling a packaging container with the contents.

BACKGROUND ART

[0002]

Liquid seasoning such as soy sauce and toiletry products such as liquid detergents are, for example, stored in a packaging container made of a resin and consumed. Once a residual amount of the contents is decreased or depleted, the packaging container is refilled with the contents and the product is further used. With such products, a refilling container storing the contents for refilling is prepared separately from the packaging container. As the refilling container, various types have been proposed.

[0003]

For example, the refilling container proposed in Patent Document 1 is designed to prevent the contents from coming into contact with outside air, in a spout portion. The refilling container described in Patent Document 1 is refilled with contents, allowing repeated use. The repeatedly used packaging container comprises a pouring unit for pouring the contents. The pouring unit is configured by including a pouring nozzle and a peripheral wall provided to a periphery of the pouring nozzle. The refilling container is configured to refill the packaging container with contents by coupling a pouring spout of the refilling container to the pouring unit of the packaging container thus configured.

[0004]

Specifically, the refilling container described in Patent Document 1 comprises a sealing plate. This sealing plate prevents the contents from being exposed to outside air by closing a position of a pouring opening with a spout of the refilling container. The sealing plate has substantially the same shape as an outer periphery of the pouring nozzle of the packaging container, and is configured by forming a weak line for separating a planned opening part positioned on an inner side of the sealing plate from the sealing plate. According to this refilling container, when the pouring nozzle constituting the pouring unit of the packaging container is inserted into an interior of the pouring spout of the refilling container, the pouring nozzle breaks the sealing plate at the position of the weak line described above, separating the planned opening part, which is a region on the inner side, from the sealing plate. With the sealing plate separated, the refill container is configured to allow transfer of the contents filled in the interior of the refill container to the packaging container to refill the packaging container with the contents.

Patent Documents[0005]

Patent Document 1: Japanese Laid-Open Patent Application No. 2013-203464

SUMMARY

[0006]

Nevertheless, in the refilling container described in Patent Document 1, the planned opening part is formed by forming a weak part in the sealing plate provided to the spout. That is, in the sealing

plate, an inner side and an outer side of the weak part is configured by a single member. Thus, when the pouring nozzle is inserted, the sealing part may not allow the planned opening part to smoothly separate at the position of the weak part. When this happens, the pouring nozzle of the packaging container locally breaks through the sealing plate, forming a hole in the sealing plate. When the pouring nozzle of the packaging container locally breaks through the sealing plate, forming a hole in the sealing plate, broken pieces of the sealing plate may be produced. When broken pieces are produced, the broken pieces may enter the packaging container and clog the pouring nozzle of the packaging container.

[0007]

The disclosure is made to resolve the above-described problems, and an embodiment of the present disclosure is to provide a pouring spout of a container capable of communicating a channel formed in a tubular pouring part of a pouring spout without producing broken pieces or the like.

[0008]

A pouring spout of a container according to the present disclosure for a pouring spout of a container provided with a spout main body including a tubular pouring part and an attached part attachable to the container on one end side of the tubular pouring part in an axial direction, the pouring spout comprising a closing member for closing the one end side of the tubular pouring part. The closing member is configured as a separate body from the spout main body, and is fitted onto an inner circumferential surface of the tubular pouring part on the one end side thereof in such a manner that the closing member is removed by an external force applied from the other end side opposite to the one end side in the axial direction from the inner circumferential surface of the tubular pouring part.

[0009]

According to an embodiment, the closing member that closes the one end side of the tubular pouring part is a separate body from the spout main body, and is fitted onto the inner circumferential surface of the tubular pouring part in such a manner that the closing member is removed by an external force from the inner circumferential surface of the tubular pouring part as described above, and thus the closing member is removed without damage thereto when the closing member is pressed upward by the nozzle constituting the pouring unit of the packaging container to be refilled with contents. Thus, when the closing member is removed from the inner side of the tubular pouring part, broken pieces are not produced. As a result, when the contents are transferred from the container into the packaging container, it is possible refill the packaging container with just the contents. Further, broken pieces are not produced, and thus the pouring unit of the packaging container is never blocked by the broken pieces.

[0010]

In the pouring spout of a container according to an embodiment, the closing member is connected by a coupling member to the spout main body.

[0011]

According to an embodiment, the closing member is connected by the coupling member to the spout main body, making it possible to keep the closing member coupled without separation from the spout main body when the closing member is removed from the inner side of the tubular pouring part. Thus, when the contents are transferred from the container into the packaging container, the closing member is never moved to the packaging container.

[0012]

In the pouring spout of a container according to an embodiment, the closing member, the coupling member, and the spout main body are configured as an integrated object made of a same material.

[0013]

According to anembodiment, the closing member, the coupling member, and the spout main body are configured as an integrated object made of the same material, making it possible to integrally mold these using a manufacturing method such as injection molding. Thus, mass production of pouring spouts having identical quality is possible.

[0014]

According to an embodiment, it is possible to separate a closing member that closes a tubular pouring part of a pouring spout from a spout main body of the pouring spout and communicate a channel formed in the tubular pouring part of the pouring spout without producing broken pieces or the like.

BRIEF DESCRIPTION OF THE DRAWINGS

[0015]

Fig. 1 is a plan view of a standing pouch serving as a refilling container provided with a pouring spout according to the present invention.

Fig. 2 is a plan view illustrating a front face of the pouring spout of an embodiment according to the present invention.

Fig. 3 is a plan view of the pouring spout of the embodiment according to the present invention as viewed from an attached part side.

Fig. 4 is a plan view of a packaging container to be refilled with contents from the standing pouch serving as the refilling container.

Fig. 5 is a perspective view of a pouring unit constituting the packaging container illustrated in Fig 4.

Fig. 6A and Fig. 6B are explanatory views for explaining an action of the pouring spout according to the present invention.

Embodiments of the Invention

[0016]

An embodiment of the present invention is described below with reference to the drawings. Note that the present invention includes inventions of the same technical idea as the modes set forth in the embodiments and drawings below, and the technical scope of the present invention is not limited to those described in the embodiments and drawings.

[0017]

[Basic Configuration]

A pouring spout 10 of a container according to the present invention comprises a spout main body including a tubular pouring part 11, and an attached part 15 attachable to the container on one end A side of the tubular pouring part 11 in an axial direction L. This pouring spout 10 comprises a closing member 20 that closes the one end A side of the tubular pouring part 11. The closing member 20 is configured as a separate body from a spout main body 10A. The closing member 20 is fitted onto an inner circumferential surface of the tubular pouring part 11 on the one end A side thereof in such a manner that