

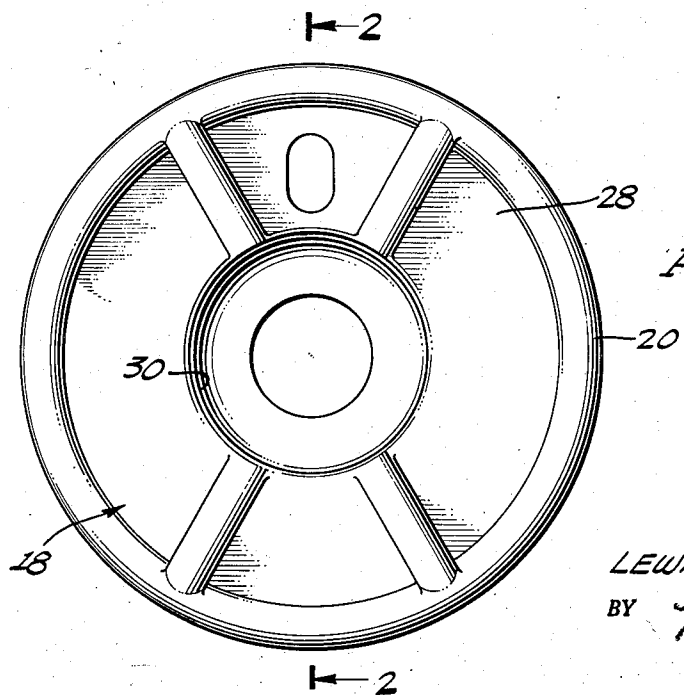
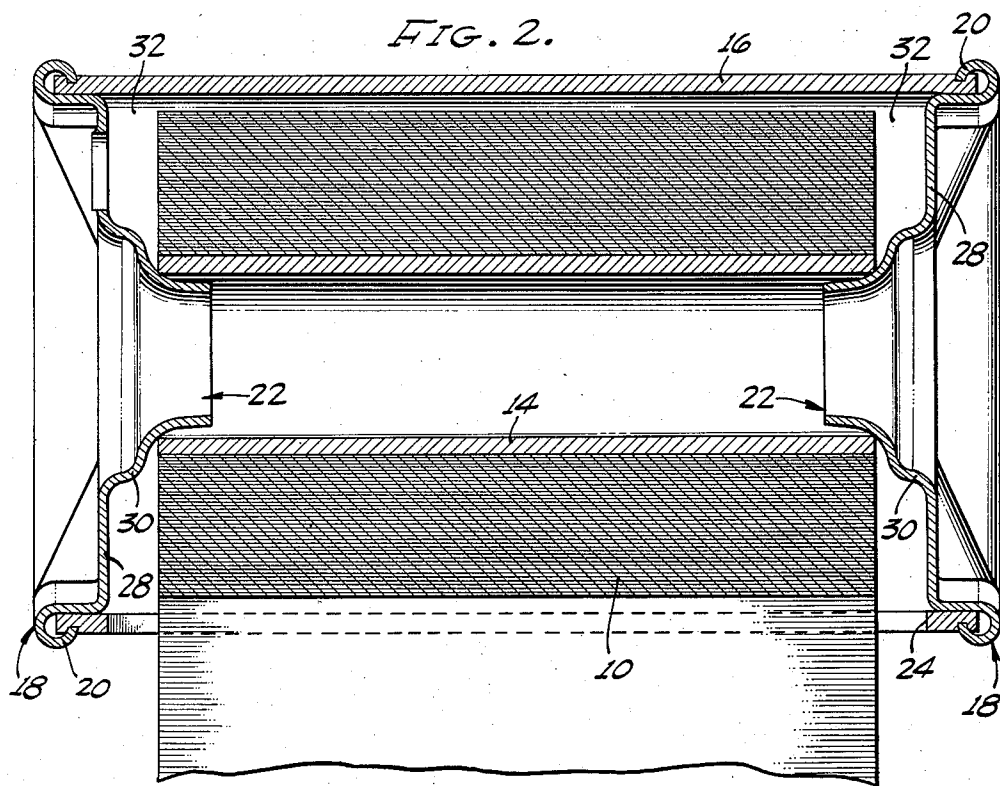
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FOIL CONTAINER

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2,844,246

FOIL CONTAINER

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1 Claim. (Cl. 206—52)

This invention relates to an improved foil container.

In my prior United States Patent 2,517,493, a machine is described for hot stamping which utilizes a roll leaf foil from which the printed impression is made. This present invention is directed to the device utilized for storage and dispensing the foil.

It is an object of this invention to provide a container from which foil may be drawn wherein tilting of the foil roll and wedging thereof in the container preventing withdrawal of the foil is eliminated.

It is still a further object of this invention to provide a foil container which does not require extremely close tolerances in manufacture but which nevertheless eliminates jamming of the foil roll.

It is still a further object of this invention to provide a container where a certain amount of telescoping or unraveling of the layers of foil in the container may be accommodated without interference with the dispensing action.

Other objects and advantages will be readily apparent from the following description.

In the drawings:

Figure 1 is an end view of the container.

Figure 2 is a view taken along line 2—2 of Figure 1.

The foil 10 is first wound upon tube 14. The foil is of any suitable type for use in the hot stamping process while the tube 14 may be of cardboard or the like.

A sub-can is formed by outer tube 16, of cardboard or the like, and one planar end piece 18, preferably of a suitable metal. The end of tube 14 is clamped to the end piece by means of extremity 20 of the end piece being bent back thereon.

The foil 14 and foil tube 10 are then inserted into tube 16, which is concentric thereto. The end piece 18 has a tubular flange generally designated 22 which fits into one end of tube 14. The free end of the foil is then trained through a slot 24 formed in tube 16. At this stage another planar end piece 18 is fixed, completing the can or container. Both end pieces 18 are identical in construction and have a central tubular flange 22 projecting into tube 14 and have an extremity 20 bent back to grasp the outer tubing.

Each tubular flange projects a substantial distance into the container and has its outer diameter at its innermost

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extremity smaller than the inner diameter of the foil tube 14. Positioned on the tubular flange 22 between its innermost extremity and the can end face 28 from which the tubular flange projects and which serves as a base for extremities 20 is a pronounced annular shoulder 30 which has an outer diameter larger than the inner diameter of tube 14.

Thus the tube 14 is free to rotate on the tubular free end portions of flanges 22 and aligns itself thereon. The lateral movement of the foil tube is limited by engagement with shoulders 30, thus providing a free rotating self-aligning support for the foil and foil tubing.

The shoulders 30 are spaced inwardly from faces 28, leaving a space 32 between the extremity of the foil coil and faces 28. This space will accommodate a certain amount of unraveling of the foil or side slipping or telescoping of layers of the foil during shipping and handling thereof.

While what hereinbefore has been described is the preferred embodiment of this invention, it is readily apparent that alterations and modifications can be resorted to without departing from the scope of this invention and such alterations and modifications are intended to be included within the scope of the appended claim.

I claim:

A foil container comprising a pair of concentric tubes, the outer tube having a slot therein, the inner tube having a foil of the type utilized in a hot stamping process wrapped thereon the end of which projects through said slot, a pair of planar end pieces for said container having the outer periphery of each engaging said outer tube and each having a central tubular flange, the free end portion of said flange being tubular and having an outer diameter smaller than the inner diameter of said inner tube, said free end portion projecting into said inner tube and rotatably supporting said inner tube, each of said flanges intermediate its extremities having a pronounced annular shoulder thereon, said shoulder having an outer diameter greater than the inner diameter of said inner tube and serving to limit lateral movement of said inner tube, said shoulders being spaced from said planar end pieces leaving an area within the container to accommodate unraveling and telescoping of the foil and permitting the inner tube and foil wound thereon to revolve with a minimum of friction.

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