This invention relates to new and useful improvements in
the art of packaging interfolded sheets so that they may
be individually and successively dispensed with the
withdrawal of each sheet automatically pushing up the next
sheet into a dispensing position.

While it is common in the art to utilize an interfolded
sheet arrangement in dispensing packages of tissue paper,
and the like, heretofore it was not practical to interfold
film-like sheets, such as, for example, sheets of Saran,
which have a strong tendency to cohere and, therefore,
cannot be readily separated to facilitate successive, indi-
vidual dispensing as above noted.

It is, therefore, the principal object of the invention to
facilitate packaging of interfolded sheets such as sheets of
Saran for individual dispensing with the withdrawal of
each sheet pulling up the next sheet to a dispensing
position while preventing cohesion between the interfolded
sheets so that each sheet may be readily separated from
the next. This object is attained by juxtaposing each
Saran sheet with a tissue sheet so that when the sheets are
interfolded, the tissue sheets are interposed between the
Saran sheets and the latter are thereby prevented from
contacting and adhering to another, thus permitting the
sheets to be readily separated as they are successively
withdrawn from the package.

It may be noted at this point that while the invention
is primarily intended for packaging of Saran, it is by no
means limited thereto and the teachings of the invention
are applicable to interfolded packaging of sheets in gen-
eral which, either by virtue of a film-like nature or because
of some other characteristic, such as the presence of
static electricity, have a tendency to cohere and resist
separation.

With the foregoing more important objects and features
in view and such other objects and features as may be-
come apparent as this specification proceeds, the invention
will be understood from the following description taken
in conjunction with the accompanying drawings, wherein
like characters of reference are used to designate
like parts, and wherein:

FIGURE 1 is a perspective view of a package of inter-
folded sheets in its closed position;
FIGURE 2 is a fragmentary perspective view of the
package on an enlarged scale, the package being open
and the sheet at the top of the stack in the package being
shown in readiness for dispensing;
FIGURE 3 is a plan view of the blank from which the
package is formed;
FIGURE 4 is a vertical sectional view taken trans-
versely through the package and illustrating the arrange-
ment of the sheet units; and
FIGURE 5 is a diagrammatical illustration of the ar-
rangement of the sheet units.

Referring now to the accompanying drawings in detail,
the general reference number 10 designates a dispensing
package containing a stock 4 of interfolded sheet units
12. The package 10 is formed from a suitable blank
10a and includes a top wall 13 and a pair of end walls
14, the top wall 13 being provided with a pair of spaced
lines of weakness 15 whereby portion 16 of the top wall
between these lines may be removed to form an elon-
gated dispensing opening 17 in the top wall 13, as will
be clearly apparent. The lines of weakness 15 are pref-
erably extended into one of the end walls 14 where a
pull tab 18 is formed to facilitate tearing out of the top
wall portion 16.

Referring now particularly to FIGURES 4 and 5, each of
the interfolded sheet units 12 in the stack 11 comprises
a sheet 12a of Saran or other film-like material being
packaged, which by virtue of its film-like nature or other
physical characteristics has a marked tendency to adhere
when folded upon itself or placed upon another like sheet.

To prevent this adhesion and facilitate proper separation
of the interfolded sheets, the sheet unit 12 also includes
a separator sheet 12b of tissue, or the like, which is juxta-
posed in a manner hereinafter described to the sheet 12a.
The separator sheet 12b is approximately one-third longer
than the sheet 12a and is provided with three zig-zag
folds 19, 20, 21 spaced equally between its leading edge
22 and its trailing edge 23, whereby the sheet 12b is
divided into a leading panel or layer 24, first and second
intermediate panels or layers 25, 26, respectively, and a
trailing panel or layer 27.

The sheet 12a is provided with only two zig-zag folds
28, 29 between its leading edge 30 and its trailing edge
31, whereby it is divided into a leading panel or layer
32, an intermediate panel or layer 33 and a trailing panel
or layer 34. The trailing edges 23, 31 and 34 of the respec-
tive sheets 12a and 12b are in alignment whereby the
layers 34, 33 and 32 of the sheet 12a are juxtaposed to
the respective layers 27, 26 and 25 of the sheet 12b, with
the leading edge 30 of the sheet 12a terminating at the
first fold 19 of the sheet 12b and the leading layer 24 of
the sheet 12a extending beyond the fold 19, as shown.

The sheet units 12 are interfolded by aligning the lead-
ing edge 22 of each sheet 12b with the first fold 28 of the
sheet 12a of the next preceding unit and juxtaposing the
leading layer 24 of the protective sheet 12b of each sheet
unit to the intermediate layer 33 of the cohesive sheet
12c of the preceding unit, whereby all the layers of the
cohesive sheet 12c of each unit and of adjacent units are
separated from contact with one another by the layers
of the protective sheet 12b therebetween. Although in
FIGURE 5 the leading layer 24 of the protective sheet
12b has been shown as being juxtaposed to the interme-
diate layer 33 of the cohesive sheet 12c of the preceding
sheet unit, in effect it is superposed on the leading
layer 32 of the cohesive sheet 12c in its own sheet unit,
as is best shown in the lower portion of FIGURE 4 where
in the leading portion of one sheet unit is illustrated as
being pulled out of the opening 17 in the package 10 by
the trailing portion of the preceding sheet unit during
dispensing.

It will be apparent from the foregoing that since the
layers of cohesive sheets 12c are separated by the inter-
posed layers of the protective sheets 12b, proper separa-
tion of each sheet unit from the next is possible and
packaging of interfolded sheet units is thereby facilitated.

While in the foregoing there has been shown and de-
scribed the preferred embodiment of the invention, vari-
ous modifications may become apparent to those skilled
in the art to which the invention relates. Accordingly,
it is not desired to limit the invention to this disclosure
and various modifications may be resorted to, such as may
lie within the spirit and scope of the appended claim.

What is claimed as new is:
A stack of zig-zag interfolded sheet units adapted for
individual unit dispensing; each of said units comprising;
a cohesive sheet, either surface of which will cohere to
either surface of a sheet of like material; and a protective
sheet free from cohesive or adhesive properties relative
to itself or said cohesive sheet; each protective sheet hav-
ing four panels interconnected by three folds, and each
cohesive sheet having one less panel and one less fold
than the related protective sheet; the cohesive sheet of each
unit being disposed adjacent the related protective sheet

with the first, second, and third panels of the former disposed in juxtaposition with the second, third and fourth panels, respectively, of the related protective sheet and the first and second folds of the former disposed in juxtaposition with the second and third folds, respectively, of the latter, whereby the first panel of the cohesive sheet of one unit is interposed between the first and second panels of the protective sheet of that unit to form a triple thickness first layer, and the third and fourth panels of the protective sheet form with the second and third panels of the cohesive sheet of that unit double thickness second and third layers; and wherein said units are interleaved with adjacent units with the first layer of one unit being interposed between the last and next-to-last layers of the preceding unit so that the surfaces of each cohesive sheet only contact surfaces of a protective sheet in the package.

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