MOIST/DRY LAVATORY AND TOILET TISSUE

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Field of Search ........... 206/37, 38, 225, 229, 233, 206/390, 820; 401/7, 8, 132; 15/104.93, 104.94

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ABSTRACT

An improved toilet tissue formed of a continuous strip comprising moist and dry tissue sheets in alternating sequence. Adjacent moist and dry tissue sheets are separated by perforations formed in the strip forming lines of weakness or tear lines. Each moist tissue sheet includes a moist pad adhered to one side thereof by an adhesive substance forming a moisture resistant barrier between the tissue and the moist pad. A removable moisture resistant cover sheet covers the moist pad and is adhered to the moist tissue sheet about the periphery of the moist pad. A holding tab is secured to the side of the moist tissue sheet opposite the moist pad. The moist pad is exposed by grasping the holding tab and removing the cover sheet from the moist tissue sheet. In one form the improved toilet tissue is conveniently packaged on a tubular roll. In another form the improved toilet tissue is conveniently packaged in accordion-type folds within a substantially rectangular dispensing container.

4 Claims, 5 Drawing Figures
MOIST/DRY LAVATORY AND TOILET TISSUE.

This invention relates to an improved toilet tissue adapted for use in standard household and public lavatory rooms and toilet facilities. An object of this invention is to provide a sanitary toilet tissue that is moist to better clean away residual waste from the body after a person uses the toilet stool. Another object of this invention is to provide a moist sanitary toilet tissue that is simple and practical in design and construction. Another object of this invention is to provide a moist sanitary toilet tissue that will prevent underclothing stains and bad odors which frequently result after a person attempts to clean himself with ordinary dry toilet tissue.

And a further object of this invention is to provide in the same roll or package sheets of dry toilet tissue, in addition to moist sheets, to dry away any moisture that may remain on the body after using a sheet of moist toilet tissue. The moist sheets and dry sheets are conveniently arranged in the same roll or package in an alternating sequence, wherein after using a moist sheet, one can then use a dry sheet leaving the body perfectly clean and dry. Detergents, antiseptics, aromatic solutions, and such like may be added to the water in the moist sheet of tissue to further enhance cleaning and prevention of bad odors. The following descriptions and drawings will illustrate the practical manner in which the foregoing objects and additional applications are accomplished.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a top plan view of a portion of a strip of the toilet tissue of the present invention.

FIG. 2 is an enlarged cross-sectional view taken along line 2—2 of FIG. 1.

FIG. 3 is a bottom plan view of the portion of a strip of toilet tissue shown in FIG. 1.

FIG. 4 is a perspective view of the toilet tissue of the present invention disposed on a roll.

FIG. 5 is a side elevation view of an alternate form of the toilet tissue of the present invention disposed in a dispensing container with portions of the container broken away to more clearly illustrate the disposition of the tissue therein.

The moist tissue section B of the invention includes a sheet of tissue FIG. 1 which is coated on one side with a thin film 1a of a substance, such as liquid or paste, that is waterproof or moisture resistant when it dries. This film 1a is also a glue or cement substance by which the moist pad FIG. 2 is connected to tissue sheet FIG. 1. The moist pad FIG. 2 is a suitable soft, fluffy material, such as cotton or tissue paper, that is saturated or moistened with a suitable cleaning substance such as water. The water or other cleaning substance may contain suitable detergents, antiseptics or aromatic substances for better cleaning and prevention of clothing stains and bad odors. Sheet FIG. 3 may be made of tissue paper that is coated on the underside with a thin film 3a of a suitable waterproof or moisture resistant substance. Sheet FIG. 3 may also be made of a very thin suitable synthetic material that is moisture resistant or waterproof. Tab (4) is a flexible member secured to the opposite side of tissue 1 and is used for holding the moist sheet section (B) while it is being used in the cleaning process.

The moist tissue section (B) is assembled such as to accomplish the following configuration. By means of glue 1a or other suitable means the moist pad FIG. 2 is firmly attached to the waterproof side 3a of sheet FIG. 1. The waterproof side of sheet FIG. 3 is placed over the moist pad FIG. 2 and attached to sheet FIG. 1 at its periphery with glue or paste 1a or by other suitable means. In this way the moist pad (2) is enclosed in a waterproof space compartment between sheets (1) and (3), wherein the moisture is sealed in until sheet section (B) is ready to be used. To further seal in the moisture the roll or package may be coated on the sides with an appropriate sealant film, such as a thin film of rubber cement 3b as shown in FIG. 4.

Tissue sheet section (A) is a plain dry sheet of tissue paper strip 1 not coated with glue or cement. It is used to dry away any moisture that may remain after using moist tissue section (B). Small perforations are formed in the tissue paper strip 1 along lines X between sheet sections (A) and (B) producing lines of weakness or tear lines to facilitate tearing the sheets apart for individual usage.

In using moist tissue section (B) it is held by tab (4) with one hand while the other hand is used to tear off the sheet (3), thereby exposing the moist pad (2). By holding sheet section (B) by its tab (4) the exposed moist pad (2) is used to clean away residual body waste after one uses the toilet stool.

Sheet sections (A) and (B) are made of tissue paper or other suitable material such that they may be disposed of in the usual manner by dropping into the toilet stool without clogging or otherwise disabling the normal stool flushing operation.

The scope of this invention includes variations of the present invention includes various means by which the moisture may be sealed in, such as placing in a waterproof bag or box-like configuration, whereby evaporation of the moisture will be prevented. It includes various sizes and shape configurations, such as rolls, rectangular packages, rounds sheets or packages, and such like.

The lavatory and toilet paper product of the present invention may be suitably configured as shown in FIG. 4 wherein the continuous strip comprising moist and dry sheet sections A and B is wound or rolled on a tubular cylindrical cardboard form substantially identical in size and shape to a conventional toilet paper roll form. An alternate product packaging configuration is illustrated in FIG. 5 wherein the continuous strip comprising moist and dry sheet sections A and B is folded in accordion-like folds creased at the lines of weakness or tear lines X forming a rectangular stack disposed within and conforming to the interior dimensions of a substantially rectangularly shaped dispensing box container 7. The container 7 includes an opening 8 in one side through which the strip 1 extends for convenient removal of the dry and moist tissue sections A and B of the strip 1 for cleansing and drying the hands, face or other parts of the body.

The scope of this invention includes the above described configurations for larger sheet sections adapted for use to clean and dry soiled hands and face, especially in a lavatory environment. It includes adaptability to carrying in a small portable box including pocket size for use anywhere for miscellaneous cleansing purposes, in the lavatory, to wash and dry hands and face, to clean and dry spots caused by bits of foods and spilled liquids on clothing, or car upholstery, and such like.

The scope of this invention includes the use of varied types of solutions in the moist pad (2) and varied types
of materials in sections (A) and (B) as may be necessary to accomplish the specific cleansing and drying requirement or application.

Having thus described the invention in considerable detail and the advantages thereof, what I claim is:

1. A cleansing lavatory and toilet paper product comprising a continuous strip having a plurality of moist and dry sections connected in end-to-end alternating sequence; said strip having lines of weakness respectively interposed between the sections forming tear lines whereby the even separation of the sections from the strip is facilitated; each said moist section comprising a top tissue cover and a bottom tissue cover, each treated on one surface with a water-proofing substance and connected peripherally to each other, wherein the waterproof surfaces are face to face, so as to effect a waterproof space compartment therein between; a fibrous moist pad impregnated with liquid being interposed and sealed therein between said covers inside the waterproof space compartment and connected to one side of said compartment, the other side of said compartment being separable from the moist section at the peripheral connection to expose the unconnected surface of the fibrous moist pad for cleansing applications; there being a tab connected to the outside surface of one side of the moist section to facilitate holding said moist section while it is being used; each moist tissue section being connected at the tear lines at its end points to a dry tissue section at each end.

2. The lavatory toilet paper product as defined in claim 1 wherein said continuous strip is formed into a continuous roll.

3. The lavatory and toilet paper product as defined in claim 1 wherein said continuous strip is folded in accordion-type folds creased at the lines of weakness forming a rectangular stack disposed within a substantially rectangular container having an opening formed therein through which the strip extends to facilitate removal of the moist and dry sections from the container.

4. A cleansing toilet tissue or the like comprising:
   a continuous strip of relatively soft paper comprising a plurality of sections defined by lines of weakness formed in said strip to facilitate separation of adjacent sections, said sections including a plurality of moist sections and a plurality of dry sections, with each moist section being separated from the next adjacent moist section by at least one dry section; each moist section having an upper surface and a lower surface with a moisture resistant coating formed on the upper surface and a tab secured to the lower surface;
   a moisture impregnated pad adhered to the moisture resistant coating of each moist section; and
   a cover sheet having a lower surface with a moisture resistant coating formed thereon and positioned over said pad with the moisture resistant coating adjacent said pad and removable adhered to the upper surface of said moist section about the periphery of said pad forming a moisture resistant seal between the respective moisture resistant surfaces of said cover sheet and said moist section.

* * * * *
It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In Column 1, line 47, delete "FIG.".
In Column 1, line 51, delete "FIG." both times it occurs.
In Column 1, line 52, delete "FIG."
In Column 1, line 58, delete "FIG."
In Column 1, line 61, delete "FIG."
In Column 1, line 63, delete parentheses setting off reference character "4"; it should be --4--.
In Column 1, line 65, delete parentheses setting off reference character "B"; it should be --B--.
In Column 1, line 67, delete parentheses setting off reference character "B"; it should be --B--.
In Column 2, line 1, delete "FIG."
In Column 2, line 2, delete "FIG."
In Column 2, line 3, delete "FIG."
In Column 2, line 4, delete "FIG."
In Column 2, line 6, delete parentheses setting off reference character "2"; it should be --2--.
In Column 2, line 7, delete parentheses setting off reference character "1"; it should be --1--.
In Column 2, line 8, delete parentheses setting off reference character "3"; it should be --3--.
In Column 2, line 9, delete parentheses setting off reference character "B"; it should be --B--.
In Column 2, line 13, delete parentheses setting off reference character "A"; it should be --A--.
In Column 2, line 16, delete parentheses setting off reference character "B"; it should be --B--.
In Column 2, line 18, delete parentheses setting off reference characters "A" and "B"; it should be --A and B--.
In Column 2, line 21, delete parentheses setting off reference characters "B" and "4"; it should be --B it is held by tab 4--.
In Column 2, line 23, delete parentheses setting off reference characters "3" and "2"; it should be --3, thereby exposing the moist pad 2--.
CERTIFICATE OF CORRECTION

Patent No. 3,921,802 Dated November 25, 1975

Inventor(s) Joseph A. Thompson

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In Column 2, line 24, delete parentheses setting off reference characters "B" and "4"; it should be --B by its tab 4--.

In Column 2, line 25, delete parentheses setting off reference character "2"; it should be --2--.

In Column 2, line 27, delete parentheses setting off reference characters "A" and "B"; it should be --A and B--.

In Column 2, line 68, delete parentheses setting off reference character "2"; it should be --2--.

In Column 3, line 1, delete parentheses setting off reference characters "A" and "B"; it should be --A and B--.

Signed and Sealed this sixteenth Day of March 1976

RUTH C. MASON
Attesting Officer

C. MARSHALL DANN
Commissioner of Patents and Trademarks