

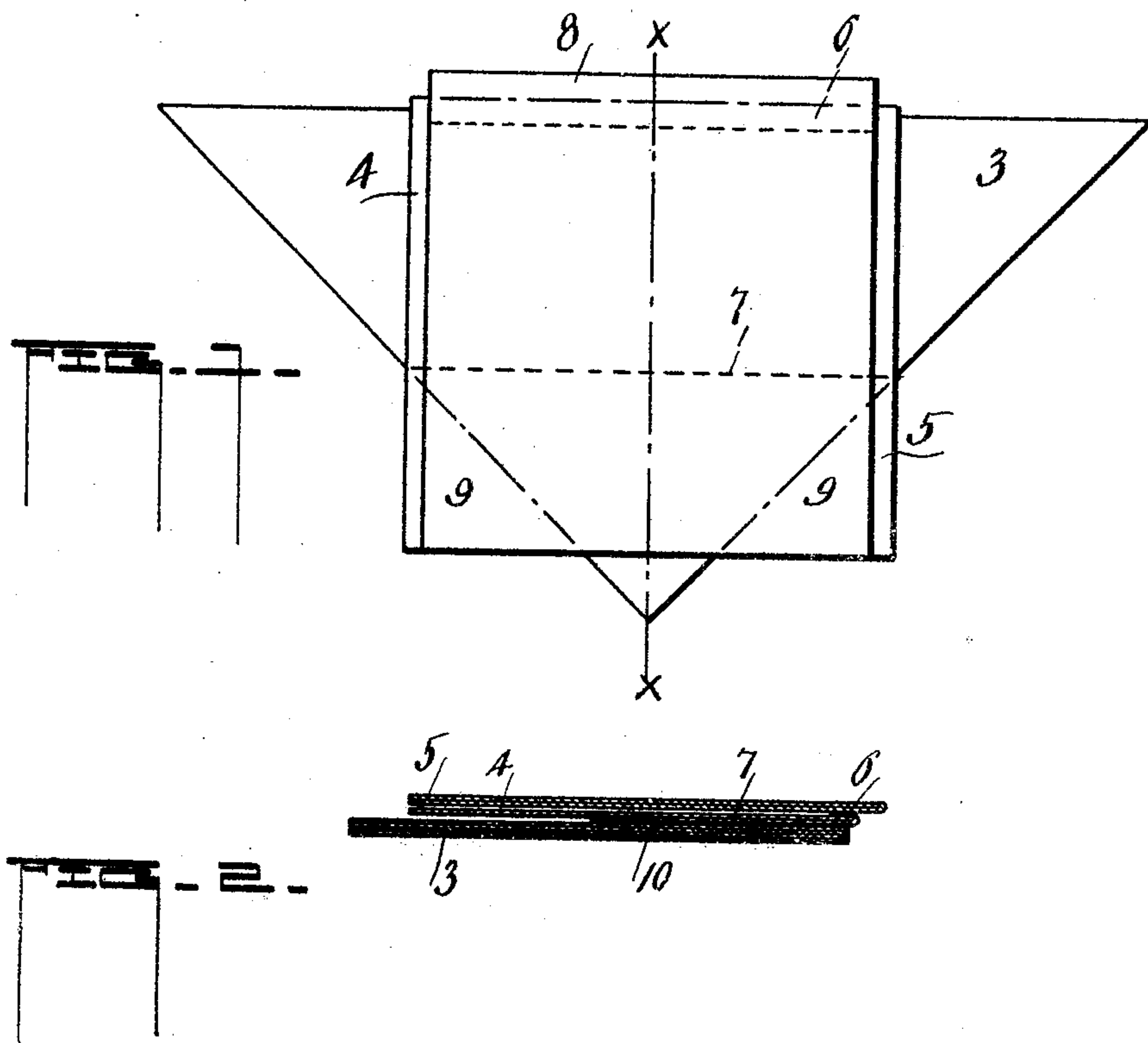
No. 771,001.

PATENTED SEPT. 27, 1904.

H. B. CAMPBELL.
DIAPER.

APPLICATION FILED JAN. 31, 1903.

NO MODEL.



Witnesses:-
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UNITED STATES PATENT OFFICE.

HOWARD B. CAMPBELL, OF PEORIA, ILLINOIS.

DIAPER.

SPECIFICATION forming part of Letters Patent No. 771,001, dated September 27, 1904.

Application filed January 31, 1903. Serial No. 141,226. (No model.)

To all whom it may concern:

Be it known that I, HOWARD B. CAMPBELL, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Diapers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has reference to diapers, and has special reference to removable linings therefor.

The object which I have in view is to provide a removable lining for diapers, being cheap to manufacture and more convenient for its intended use than diapers heretofore made for similar uses, and to produce other improvements, the details of which will be more fully pointed out hereinafter.

These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of my device, showing the same in a completely unfolded position. Fig. 2 is a cross-section on the line X X of Fig. 1.

In carrying out my invention I employ an ordinary diaper 3, of linen or other textile fabric, approximately square in shape before being folded into the triangular form shown in Fig. 1. It is intended that the diaper shall be folded first to form a triangular two-ply sheet and then refolded to form a triangular four-ply sheet, as seen in the figures; but the two-ply sheet may be all that is necessary, if it is so wished. In this way two ends are provided to be tied around a child's hips, and the third to be brought between the legs and tied in the usual way.

The lining which I propose is made up of the parts 4 and 5, each of which may be of suitable paper adapted for this special use, or 4 may be of paper and 5 of a suitable textile fabric, as some may prefer the fabric rather than paper to contact with a child's skin. These parts of the lining are elongated rectangular pieces, the upper one (known as 5) folded completely back upon itself to form a two-ply sheet, and the lower one (indicated as

4) lying adjacent to the diaper is folded or partially upon itself to give a two-ply thickness to approximately half its length. As the parts are finished and folded it is preferable to attach them together, as at 6, by the application of some adhesive material, which prevents their becoming dislodged when in use, which is often the case.

When arranging the lining portions 4 and 5 for use, they are placed substantially as seen in Fig. 1, with part 4 lying on the diaper and having the inturned portion, referred to for convenience as 7, covering approximately the center portion of the entire triangular diaper, or that much thereof as is necessary for the practical use for which it is intended. The part 5 is laid upon the part 4, so as to leave the extended portion 8 at the square of the diaper, or that portion encircling a child's back. The forward end of the lining or the corners thereof cut the triangular center end, which is intended to be drawn between a child's legs, and leave the triangular corner-pieces 9. It will be noticed that by folding the part 4 only partially upon itself, which is sufficient, with the part 5, to form a four-ply lining to the main portion of the diaper, leaving only three-ply corners to form the triangular pieces 9, hereinafter again referred to, the function of the extended portion 8 and the corners 9 of the lining is readily apparent. When applied to a child's body, the two opposite ends of the diaper are brought around the child's hips, and the forward end is brought up between the legs and secured to the other ends in the usual way. This is accomplished without having had to secure the ends or any part of the lining with the ends of the diaper by reason of the rectangular shape of the lining parts 4 and 5 and their peculiar arrangement on the diaper. When the diaper is properly secured, the extension 8 is rolled inward toward the child's body to form a guard and obstruct fecal and other discharges. The portions 9, which lie next to the inner portions of a child's legs, are designed to be turned or rolled inward, forming a pocket or obstruction for the purpose for which the portion 8 is intended. Matter more usually works itself downward, and where the end of the diaper is

drawn through a child's legs a great gap is usually left, which permits matter to gradually work itself out; but by the provision of portions 9 this is almost impossible, greatly assisting in preventing the getting dirty of a child's dresses and retaining all fecal and other matter upon the lining, which is intended to be destroyed when dirty, and reducing the labor of mothers or nurses in attending to infants under their care, all of which it is believed will be understood.

Referring to the part 4, and especially the inturned portion 7 thereof, the lower outer face of this portion of the part 4 may be coated with some practical non-absorbent substance, (indicated as 10.) This is intended to protect the body of the diaper against which it lies and tends to increase the absorption of matter by the three-ply thicknesses, which lie above and retards its absorption by the textile diaper, which adds materially to the usefulness of the lining and protects the diaper in a way not heretofore made possible. Referring again to the part 4 of the lining, the object in folding the same to present a two-ply thickness approximately half its length is to avoid a four-ply thickness at the triangular corners 9 when the parts 4 and 5 are laid upon each other. This facilitates in allowing the diaper and linings to be drawn more closely around the child's body and prevents an overfullness in the corners 9, which, as described, are afterward rolled or turned inwardly for the purposes set forth.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. As an article of manufacture, the removable linings for diapers, consisting, essentially of two rectangular sheets, one folded to form a two-ply sheet, and the other only partially folded upon itself, the latter lying adjacent to the diaper and the former lying on top thereof forming a protection for said diaper and

said sheets fixedly attached to each other at one end, substantially as described.

2. In combination with a textile diaper, a removable lining therefor, consisting of two sheets laid upon each other and upon the diaper, said sheets fixedly attached to each other at one end, and having oppositely-disposed portions extending over the edges of the diaper, in manner and for the purposes set forth.

3. A removable lining for diapers, consisting, essentially of two parts, one a sheet of paper partially folded upon itself and having one side of its under fold coated with a non-absorbent substance, the other a sheet of suitable material folded upon itself to form a two-ply sheet, and the two parts fixedly attached to each other at one end, all substantially as and for the purpose set forth.

4. The improved diaper herein described, consisting of the textile triangular-formed diaper, the parts 4 and 5 forming a removable lining to protect said diaper, each of which is approximately rectangular in form and arranged upon the diaper to provide the triangular portions extending over the edges of the textile diaper, as and for the purposes set forth.

5. A removable lining for diapers, consisting, essentially of two parts, one a sheet of paper partially folded upon itself and having one side of its under fold coated with a non-absorbent substance, the other sheet of suitable material folded upon itself to form a two-ply sheet, the former laid upon the diaper with its coated fold adjacent thereto, and the latter suitably retained upon the upper fold of the paper sheet and said sheets fixedly attached to each other at one end, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HOWARD B. CAMPBELL.

Witnesses:

CHAS. W. LA PORTE,
ROBERT N. McCORMICK.