provided on one side portion of the left and right side portions are engaged with the loop member of the loop fastener, the hook members of the tape-like fasteners provided on the other side portion are engaged with the loop members provided on the outer surfaces of the tape-like fasteners on the one side portion, and therefore the absorbent product is put on the wearer so as to suit the wearer's figure.

[0005A] EP1688116 A1 discloses a disposable diaper comprising a pair of connection parts, each of which comprises two fastening tapes. Each of said tapes comprises male fasteners.

[0006] In the disposable diaper of Document 1, it is not considered how to fasten the fastening tapes on the front side part when putting the disposable diaper on a slender wearer or the like (the same applies to Document 2). In Document 3, it is proposed to fasten one tape-like fastener on another tape-like fastener in accordance with the wearer's figure. However manufacture of the absorbent product is complicated and an amount of hook members used for the absorbent product is increased, because there is a need to provide the loop member on the outer surface of each tape-like fastener and to provide the hook member, to engage with the loop member, on the inner surface.

Summary of Invention

[0007] The present invention is intended for a disposable diaper. It is an object of the present invention to easily fasten a fastening tape, which is to be laid on the other fastening tape in fastening the fastening tapes, on a front part while a total area of fastening parts is reduced.

[0008] The disposable diaper according to the present invention comprises: a sheet-like main body part having a front part, a crotch part and a back part which are arranged in this order along a longitudinal direction; and a pair of connection parts attached to both side portions of the back part, the pair of connection parts being to be fastened to an outer surface of the front part to connect the both side portions with both side portions of the front part; wherein each of the pair of connection parts comprises two fastening tapes each extending in a left-right direction, the two fastening tapes being arranged in the longitudinal direction, and each of the two fastening tapes comprises: a band-like tape base; a first fastening part provided on an inner surface of the tape base so as to lie across the tape base in the longitudinal direction, the first fastening part being capable of fastening itself to the outer surface of the front part; and a second fastening part provided on the inner surface of the tape base so as to lie across the tape base in the longitudinal direction, the second fastening part being away from the first fastening part toward the main body part and being capable of fastening itself to the outer surface of the front part; and a distance between an edge of the first fastening part which is closer to a tip of the tape base than the other edges and an edge of the second fastening part which is closer to the main body part than the other edges in one fastening tape, is larger than a width of the tape base at a position between the first fastening part and the second fastening part in the other fastening tape.

Claims

[Claim 1] A disposable diaper (1), comprising:
a sheet-like main body part (2) having a front part (201), a crotch part (202) and a back part (203) which are arranged in this order along a longitudinal direction; and
a pair of connection parts (4) attached to both side portions of said back part, said pair of connection parts being to be fastened to an outer surface of said front part to connect said both side portions with both side portions of said front part; wherein
each of said pair of connection parts comprises two fastening tapes (41, 41a, 41b) each extending in a left-right direction, said two fastening tapes being arranged in said longitudinal direction, and
each of said two fastening tapes comprises:
a band-like tape base (413);
a first fastening part (411) provided on an inner surface (414) of said tape base so as to lie across said tape base in said longitudinal direction, said first fastening part being capable of fastening itself to said outer surface of said front part; and characterized in that each of said two fastening tapes further comprises:
a second fastening part (412) provided on said inner surface of said tape base so as to lie across said tape base in said longitudinal direction, said second fastening part being away from said first fastening part toward said main body part and being capable of fastening itself to said outer surface of said front part; and
a distance (L1) between an edge (4111) of said first fastening part which is closer to a tip of said tape base than the other edges and an edge (4122) of said second fastening part which is closer to said main body part than the other edges in one fastening tape, is larger than a width (W1) of said tape base at a position between said first fastening part and said second fastening part in the other fastening tape.

[Claim 2] The disposable diaper according to claim 1, wherein
a length (L2), in said left-right direction, of an area between said first fastening part and said second fastening part in said one fastening tape is equal to or larger than 25 % of said width of said tape base at said position in said other fastening tape.

[Claim 3] The disposable diaper according to claim 2, wherein
said length, in said left-right direction, of said area between said first fastening part and said second fastening part in said one fastening tape

is equal to or larger than said width of said tape base at said position in said other fastening tape.

[Claim 4] The disposable diaper according to any one of claims 1 to 3, wherein a width of each fastening tape gradually decreases toward a tip of said tape base.

[Claim 5] The disposable diaper according to any one of claims 1 to 4, wherein a fastening strength of said first fastening part to said front part is larger than that of said second fastening part.

[Claim 6] The disposable diaper according to any one of claims 1 to 5, wherein two tape bases of said two fastening tapes are portions of one sheet (40) in each of said pair of connection parts, and said two tape bases are continuous with each other through a connection portion of said one sheet located near said main body part, and
second fastening parts of said two fastening tapes lie at an outside, with respect to said left-right direction, of said connection portion in said one sheet.

[Claim 7] The disposable diaper according to any one of claims 1 to 5, wherein two tape bases of said two fastening tapes are portions of one sheet (40) in each of said pair of connection parts, and said two tape bases are continuous with each other through a connection portion of said one sheet located near said main body part, and
said connection portion in said one sheet protrudes outward from a side edge of said main body part.

[Claim 8] The disposable diaper according to any one of claims 1 to 7, wherein one of fine hook structure and fine loop structure which engage with each other is provided on said front part of said main body part, and the other is provided on each of said first fastening part and said second fastening part.

[Claim 9] The disposable diaper according to any one of claims 1 to 8, wherein positions of said first fastening part and said second fastening part are recognizable at an outer surface side of said tape base in each of said two fastening tapes.