CLAIMS

Claim 1

A disposable diaper comprising a crotch section sheet member that is long in one direction and covers the crotch of the wearer, a belly side sheet member bonded while overlapping with the crotch section sheet member on one edge side of the crotch section sheet in the lengthwise direction, and covering the belly side of the wearer, and a back side sheet member bonded while overlapping with the crotch section sheet member on the other edge side of the crotch section sheet member in the lengthwise direction, and covering the back side of the wearer, the crotch section sheet member being bonded to the belly side sheet member and the back side sheet member with an adhesive at the sections where the crotch section sheet member overlaps the belly side sheet member or the back side sheet member,

wherein first adhesive sections provided with first adhesive-coated regions coated continuously in the lengthwise direction of the crotch section sheet members are provided on the side of either the crotch section sheet member or the belly side sheet member and back side sheet member, at the section where the crotch section sheet member is in contact with the belly side sheet member and at the section where the crotch section sheet member is in contact with the back side sheet member,

second adhesive sections provided with second adhesive-coated regions coated continuously in the widthwise direction of the crotch section sheet member are provided on the other side, ~~and~~

the first adhesive sections have a plurality of first adhesive-coated regions arrayed in the widthwise direction of the crotch section sheet member, and wherein among the first adhesive-coated regions, those located on both edges in the widthwise direction of the crotch section sheet member are arranged with gaps provided between them and the adjacent other first adhesive-coated

regions, and

the crotch section sheet member is bonded to the belly side sheet member and the back side sheet member with the first adhesive-coated regions of the first adhesive sections crossing the second adhesive-coated regions of the second adhesive sections.

Claim 2

The disposable diaper according to claim 1, wherein the belly side sheet member and the back side sheet member extend in directions along the widthwise direction of the crotch section sheet member and are each provided with a plurality of elastic members that elastically expand and contract in the lengthwise direction, wherein at least parts of the elastic members are disposed at locations corresponding to the first adhesive sections or second adhesive sections provided on the belly side sheet member and back side sheet member, respectively.

Claim 3

The disposable diaper according to claim 1 or 2, wherein the belly side sheet member and the back side sheet member are each formed of nonwoven fabrics, the nonwoven fabrics comprising fibers oriented in the direction along the widthwise direction of the crotch section sheet member.

~~Claim 4~~

~~The disposable diaper according to any one of claims 1 to 3, wherein the first adhesive sections have a plurality of first adhesive-coated regions arrayed in the widthwise direction of the crotch section sheet member, and wherein among the first adhesive-coated regions, those located on both edges in the widthwise direction of the crotch section sheet member are arranged with gaps provided between them and the adjacent other first adhesive-coated regions.~~

Claim ~~5~~ 4

The disposable diaper according to any one of claims 1 to ~~4~~ 3, wherein the first adhesive sections are provided on both edges in the lengthwise direction of the crotch section sheet member, while the second adhesive sections are provided on the belly side sheet member and back side sheet member.

Claim ~~6~~ 5

A method of producing a disposable diaper in which one edge side of a crotch section sheet member that is long in one direction and covers the crotch of the wearer is overlaid on an belly side sheet member that covers the belly side of the wearer, and is bonded to the belly side sheet member with an adhesive, and the other edge side of the crotch section sheet member is overlaid on a back side sheet member that covers the back side of the wearer and is bonded to the back side sheet member with an adhesive,

wherein first adhesive sections provided with first adhesive-coated regions coated continuously in the lengthwise direction of the crotch section sheet members are formed on the side of either the crotch section sheet member or the belly side and back side sheet members, at the section where the crotch section sheet member is in contact with the belly side sheet member and at the section where the crotch section sheet member is in contact with the back side sheet member, and

second adhesive sections provided with second adhesive-coated regions coated continuously in the widthwise direction of the crotch section sheet member are formed on the other side,

and then the crotch section sheet member is bonded to the belly side sheet member and the back side sheet member so that the first adhesive-coated regions of the first adhesive sections cross the second adhesive-coated regions of the second adhesive sections.

Claim ~~7~~ 6

The method of producing a disposable diaper according to claim ~~6~~ 5, wherein the belly side sheet member and the back side sheet member are each provided with a plurality of elastic members that extend in directions along the widthwise direction of the crotch section sheet

member and elastically expand and contract in the lengthwise direction, wherein at least parts of the elastic members are arranged at locations corresponding to the first adhesive sections or second adhesive sections provided on the belly side sheet member and the back side sheet member, respectively.

Claim ~~8~~ 7

The method of producing a disposable diaper according to claim 4 or 5 ~~5 or 6~~, wherein the belly side sheet member and the back side sheet member are each formed of nonwoven fabrics wherein the constituent fibers are oriented in a direction along the widthwise direction of the crotch section sheet member.

Claim ~~9~~ 8

The method of producing of a disposable diaper according to any one of claims 5 to 7 ~~6 to 8~~, wherein the first adhesive sections have a plurality of first adhesive-coated regions arrayed in the widthwise direction of the crotch section sheet member, and wherein among the first adhesive-coated regions, those located on both edges in the widthwise direction of the crotch section sheet member are arranged with gaps provided between them and the adjacent other first adhesive-coated regions.

Claim ~~10~~ 9

The method of producing a disposable diaper according to any one of claims 5 to 8 ~~6 to 9~~, wherein the first adhesive sections are provided on both edges in the lengthwise direction of the crotch section sheet member, and the second adhesive sections are provided on the belly side sheet member and the back side sheet member.