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(54) Title: DISPOSABLE TRAINING PANTS HAVING A NON-PERFORATED TEAR LINE

(57) Abstract

Non-perforated tear lines for removal and evacuation of contents of disposable undergarments such as training pants. Non-perforated tear lines comprise a series of bond sites which are shaped, sized, spaced and arranged to provide a zone of weakness to permit severance of nonelasticized portions as well as elastic disposed in the waistband, the body of the pant, and the elastic leg bands for complete removal. Bond sites are formed by displacing a portion of material such that a thickened outer edge defines a weakened area of reduced thickness. Thus, elastic in the waistband may be disposed continuously 360 degrees around the wearer's waist, and elastic in the leg bands may be disposed continuously 360 degrees around the wearer's legs. In addition, improved pants having elasticized ear flaps in the body of the pants can be conveniently removed from the wearer. The shape, size, spacing and arrangement of the individual bond sites is determined for each material used in order to permit severance of the particular material while preventing premature removal. Because the tear lines of this invention are capable of separating elastic, location of the tear lines is not limited to side seams, but may be placed on the front of the pants for convenience.

