

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Sub-Committee

TECHNICAL BULLETIN - MAY 1992

013. Edwin Hall Twists

We have received information concerning an Edwin Hall tyre driven Twist ride examined by one of our members - Pollard Engineering Ltd. The centre pole of this ride was found to have broken loose from its connections to the two plates at its base, i.e. the welds had failed.

We are aware that this problem has been identified previously in relation to the Edwin Hall device. It is therefore thought that the welds are unsatisfactory from the design point of view. The Committee have not heard of any instance of the cracks propagating into the centre tube itself - a failure path which would involve much more serious risk of accident. Nor, however, are we aware of any design study to assess whether propagation into the tube is likely. It is therefore thought that examination may need to take account of both potential failure paths.

Would any other NAFLIC member who examines an Edwin Hall Twist and is not clear about the region to which we refer please get in touch - a sketch is available.