



# BULLETIN

No. \_\_\_\_\_

FROM

## PHILADELPHIA TOBOGGAN CO.

LANSDALE, PA. 19446

E 6-15-90

AREA CODE 215-362-0300  
4700

To all operators of the Philadelphia Toboggan Co. Trailer-Type Coaster Cars that are equipped with trailer ball and hitch, supplied in 1990.

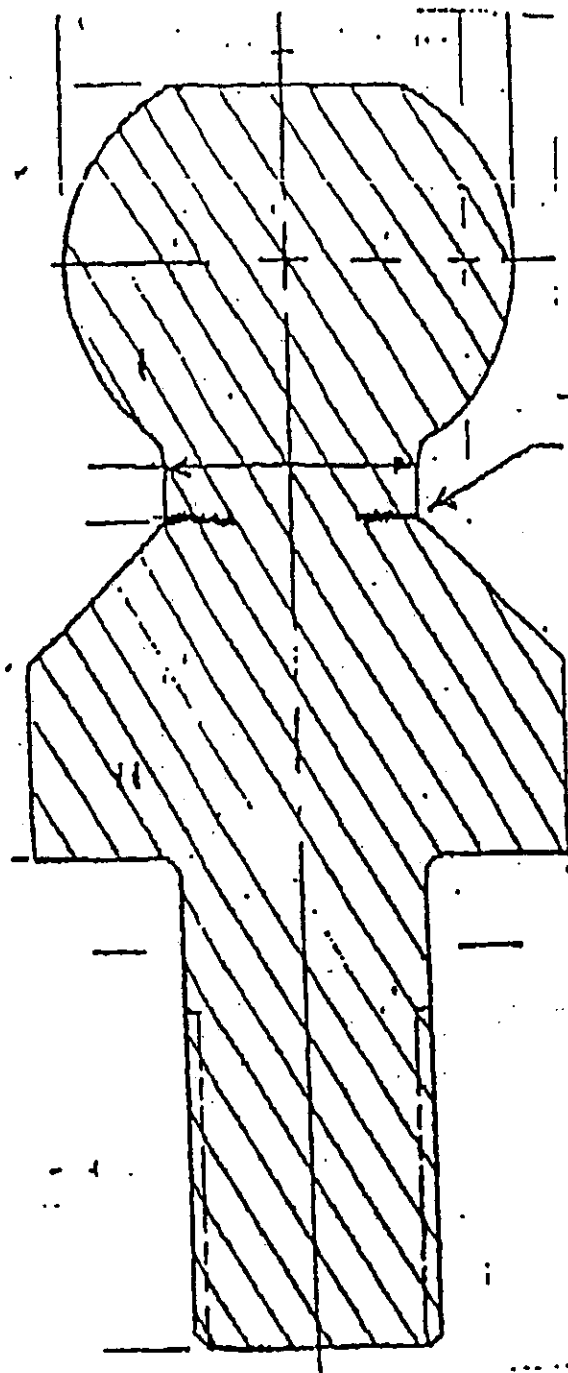
We recently received information that one of the new trailer balls has broken. We feel this was caused by the Retaining Plates of the Trailer Hitch not having sufficient clearance, thus not allowing enough swivel action.

Please disassemble and thoroughly check all trailer balls; not only for cracks, also for signs of interference between the bottom radius of the ball and the retaining plates. If there is evidence of interference there should be more clearance ground in the retaining plate. Please see enclosed sketch.

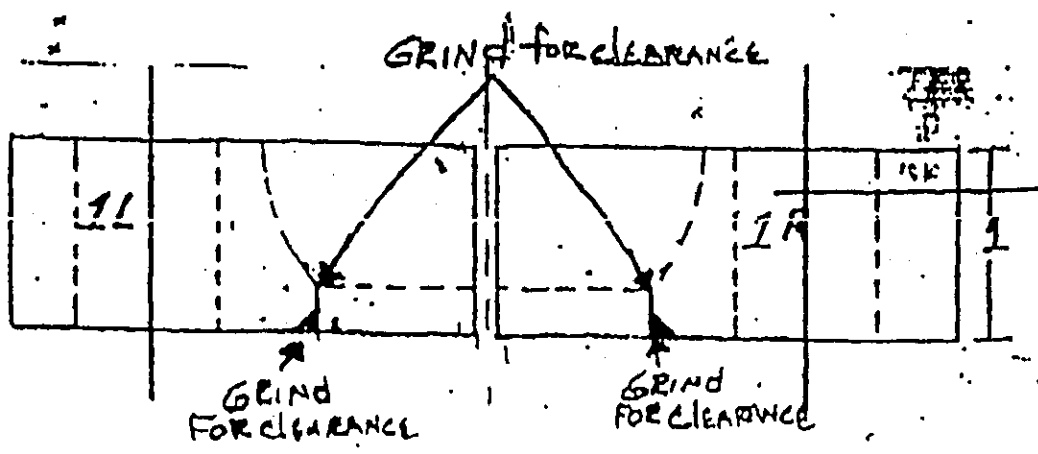
Replacement balls of 4130 Alloy Steel are available from Philadelphia Toboggan Co. at no charge. The ball should be bolted, nutted with cotter pins and welded in place. The welding process for the Alloy steel is very specific and a "qualified welder" should be the only one to accomplish this. Pre-heat, post-heat and cleaning prior to welding are required for a satisfactory weld.

Please contact Philadelphia Toboggan Co. for more detailed information.

Alternate to the above welding procedure: remove old ball, accurately measure hole diameter. Send this dimension to PTC for each car. Trailer balls with corresponding diameters will be manufactured that will result in a body bound fit. Use special nut and tighten to a minimum of 300 ft. lbs. torque and use cotter pin. Frequently check for tightness of the ball and nut.



CRACK AND FAILURE PLANE LOCATION



GRIND FOR CLEARANCE

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