

liable at any time in the common design of staying the inner sheets with stays exposed to the radiant heat, not conducted to the water, to be killed by an explosion, even when standing idle waiting in course of preparation for a passenger train as appears by the following quotation of a disaster in this 1913 :

"Detroit, Mich., January 5.—The explosion of the boiler of a Detroit & Toledo Shore Line Railroad Locomotive here to-day caused the death of one man and the serious injury of six others. The engine was being prepared to haul a passenger train to Toledo when the explosion occurred. James Edward 45 years old, was blown 40 feet and killed.

Conduction of the radiant heat, in which there would be safety, cannot however pass from particle to particle over a merely mechanical connection by screwing and riveting, in that inability is THE DEFECT, and in the failure to perfect the conduction of the heat from the stays to the water is the cause of the explosions, it is in the inability of the railways or insufficient knowledge of their master-mechanics to so design as to avert cause for explosions ; in their inability is the cause of so many lives being lost and so many men maimed and injured, and the cause of so great loss in property destroyed by explosions.

Fireman Craig, at the Windsor Station Coroner's Inquest, was asked :

"Was anything wrong when you stopped at Highlands ?

"There was a leak of steam from the firebox, about the same place as it exploded."

That was a bravely spoken answer.

The explosion took place two or three minutes after he saw the leak.

The leak was caused by three broken staybolts, not by concussion or jar, probably by the dilatations, for the iron was brittle in their then red heat by reason of the non-conduction of the heat to the water.

Though the Engineers in the Cabs are not responsible for faults in design, some one is, but the lawyers for the railways would, if they can, obtain a judgment from the appellate Courts :

"Whether an employer is responsible for the death of an employee, who loses his life as a result of an explosion ?"