In rot Investigation of againent which againsed on the Minneapolle & St. Louis Ballroad, at Emmone, Minn., January 6, 1915.

On Jahuary 4, 1915, there was a devallment of a passenger train on the Minneapells & St. Louis Railroad at Econos, Minn., which resulted in the injury of 9 passengers, 4 employees of the railroad company, and 2 Fullman employees.

After investigation of this positions the third of the Division of Safety reports as Pollows:

Southbound passenger train No. 4 was an route from Minnsspolie, Minn., to Pos Moines, Joya. It completed of I mail car,
I beggage car, I emoking car, I chair car and S Pullman sleeping
cars, hauled by locomotive No. 107, and was in charge of Conductor Kesting and Engineers Teff. It left Albert Lea, Minn.,
at 12:40 a.m., on time, and at about 1:05 a.m. was deroiled at
the north house track syltch at Memons, 15 miles south of
Albert Lea, while running at a speed estimated to have been
about 25 miles per hour. The locametive, mail and beggage cars,
and the fervard trucks of the emoking car remained on the main
track. The rout bruck of the emoking car was diverted to the
side track, resulting in the everturales of this car. It then
skidded along on the ground stopping with its forward and clear
of the house track and the rear and fouling the main track. The
chair car was diverted to the house track and collided with a
stock car stending thereon, demolishing the stock car. The Southbound passenger train No. 4 was an route from Kinnsstock our stending thereon, demolishing the stock car. The coupling backs between the chair per and the first electing car, and the two sleeping cars continued on the sain track, colliding with the rear and of the coach. The greatest design was sustained by the coach and first sleeping car. Slight denage was also quetained by the bassage and chair care. The venther was elecr.

This part of the Minnespolis & St. Louis Relirond is a single track line. He block eighal system is in use, trains being operated by train orders and time-eard rights. The track is laid with 70 pound rolls, 30 feet in length with about 15 or 16 ties under each roll. The beliest is of gravel and cinders. The track was in good condition and well maintained. The exiten at which this accident occurred is on a curve of 3 degrees leading to the right, about 1,500 feet in length, at a point about 100 feet south of the northern and of the curve. The exitent which is a feeing point exitch for southbound trains, le what is known as an Elliet Vedge Key Adjustable Switch, the exitch example and main rod being of the Pettibone Sefety Type. The This part of the Kinnespolis & St. Louis Relivoud is a switch points on the switches of this type are escured to the bridle bur by two seven-eighths inch bolte through oach roll.

Examination after the accident showed that the two bolts securing the switch rail on the right side of the track had been struck by semething and shoored off just back of the nute, allowing the switch point to become misplaced. The switch stend was lined up and locked for main line movements and no other defects or damage of any kind either to the switch or track could be found at this point. About 500 feet north of the switch is a highway crossing equipped with flat steel cattle guards. On these cattle guards were fresh marks and indentations which indicated that something had been dragged over them as the train passed. These marks were found along the track for a distance of about one-half sile north of the switch.

Examination of the equipment of the train showed that the brake lever fulcrum on the forward truck of the beggese car had broken, allowing the brake lever to drag on the track, and it is supposed that this brake lever came in contact with the bolts securing the switch point on the right side of the track, breaking them off. This permitted the switch point to swing toward the main track rail sufficiently to divert a part of the train to the house track. When removed from the track the brake lever showed, by the way it was marked, that it had been dragging on the track for some distance. Examination of the broken fulcrum showed that about two-thirds of the metal had recently been broken, while the remaining one-third was rusty, indicating that there had been a crack there for some time. There did not appear to be any flaw in the metal. The equipment of this train had been inspected at Albert Lee, at which time no defects were discovered.

This switch had been elected by the section foresen on January 2nd, at which time it was in good condition. The last train to pass over it cince was a northbound extra freight train at about 4:20 p.m., January in , nearly 8 hours prior to the occurrence of the accident, nothing wrong with the switch being noticed at the time.

This devailment was careed by a sisplaced switch point which had been detached from its fastening by the breaking of the bolts provided to hold it in place. The evidence is that these bolts were brown by dragging brake rigging on the forward truck of the bangage car of the detailed train, the dragging brake rigging being the result of the parting of the fulcrum which secured the brake lover to the brake beam. There was some swidence of an all lefect in the brake fulcrum, which it is not believed could have been discovered by ordinary inspection.