Narch 30, 1914.

IN RE INVENTIGATION OF ACCIDENT ON THE CHICAGO, BE, PAUL, MINNEAPOLIC & CHARA MAILYAY AT MENDOTA, MINN., CH. WARCH, 14, 1914.

On March 14, 1914, there was a dersilment of a passenger train on the Chicogo, St. Faul, Minneapolie & Cmaha Railway at Mendota, Minn., resulting in the death of 1 passenger and the injury of 66 passengers and 1 employee.

After investigation of this socident and the circumstances connected therewith the Chief Inspector of Safety Appliances reports as follows:

The Sinnesots and lowe division of the Chicago, St. Paul, kinnespolis & Omaha Hailway, upon which this accident coourred, extends between St. Paul, Hinn., and Sioux City, Iowa, a distance of S77 miles. It is a single track line upon which trains are operated under the manual block signal system.

In charge of Conductor labor and aginemen Fosts. It was hauled by engine to. 278, and constated of seven dars, located in the following order from the engine backs mail car No. 222, baggage or No. 248, anching our for the engine backs mail car No. 222, baggage or No. 248, anching our to. 141, couch No. 98, couch No. 65, parlor car to. 515, and cafe car No. 515. The parlor and cafe cars were of months construction; all other cars in the train were of steel construction.

Train No. 4 is due at Codota at 7:21 p.m. but does not stop at that station. Upon accreasing Wendota on the 'ate of the soldent aginesian who to reduced the speed of his train to

avoid passing the station ahead of time, and while passing over the house-track suitch. located about 300 feet west of the station, seach No. 55, the fifth our from the angine, left the rule at the evitoh. The purior car immediately in the rear of the derailed coach was also derailed, but the cafe our, which was the last car in the train, remained on the rails. The speed of the train at the time of derailment was about 28 miles per hour. The derailed care ran about 400 feet to a one-epan bridge over a highway orogaing at the east end of the station platform. At this point the trucks of casch No. 55 dropped over the side of the bridge to the abutment on the east side of the bishway: the car body was torn from its trucks and rolled over down the embankment, which was about five or six feet high, turning three-fourthe of the war over in doing so. Parlor car No. 513 broke loose from cosch No. 56 and turned so that I to front and rested on the ground at the rear of the coach, the rear and remaining with trucks harging over the side of the bridge. This car remained in an upright post-The forward portion of the train stopped with its rear en about 100 fast beyond the forward and of coach No. 56 as it laid at the foot of the embankment. The track was but slightly danged. The weather at the time of the accident was olear and mild.

This devaluent was caused by the switch points on the house-track switch standing open sufficiently to allow a wheel flange to go between them. The first sheel marks on the time were at the heel of the switch rail. The opening of the switch

points was caused by the throw rod of the switch becoming disconnected from the up and down rod at the switch stand, due to the removal of a cotter key from the bottom of the up and down rod. This switch was not equipped with a point look for holding it in the closed position, and the cotter key at the bottom of the up and down rod was the only thing provided for holding the throw rod in place. Then this key was removed the throw rod dropped down off the end of the up and down rod, leaving the switch points free to move in response to the vibration of the wheels of a train passing over them.

Section Foreman Langer stated that after the socident he found the ootter key lying on the ground close to the track between the head blocks of the switch, about 18 inches from the point of connection between the throw red and the up and down rod. It was a shorter key then is generally used for making this connection, and only projected through the up and down rod about half an inch. The arring of the key was suffigient to have held it in "lade, but there is no evidence that its removal was the result of any malinious or deliberate intent to greak the train. It was the belief of General Superintendent Pechin that is electing out water, eaused by melting of the ice and snow and having of the graund, section men struck the end of this stort cutter key with some tool with which they were working and invest teither wholly or partially out. If driven entirely out it dould easily have landed 18 inches away, at the point where it was found, and if driven

only partially out the epring of the key, when it left the hole due to the vibration of trains passing over the switch, would have thrown it to the point where it was found.

Madesstar Larsen stated that it was the duty of section foresen to make a daily examination of the condition of all switches. Section Foresan Langer said that he examined this switch about 3 o'clock in the afternoon of the day of the accident and did not discover the absence of the cotter key. He did not, however, at that time examine the bettom of the up and down rod to assure himself that the key was in place. He examined the bottom of the rod on March lith, three lays before the accident, and found that my in place at that time.

The investigation developed the fact that switch stands of this type were ordinarily provided with a strap of iron reaching scrose the head blocks and beneath the bottom of the throw rod, so as to prevent it from dropping down for enough to become disconnected from the up and down rod in case the sotter key became displaced, thus providing a sateguard against the throw rod beoming accidentally disconnected. This lafety strap was not in place on this switch stand at the time of the scooldent. Section foremen langer said that the strap has been removed sometime last fall for the purpose of changing the head blocks to the switch. He did not replace the strap after shanging the head blocks to the switch. He did not replace the strap after shanging the head blocks to the switch. He did not replace the strap after shanging the head blocks to the switch. He did not replace the strap after shanging the head blocks to the switch as are one, but forgot about it. We further stated that had the strap been in place the throw rod could not have dropped down for enough to become disconnected.

Fredmenter Largen said that he made a personal examination of the exitoh on February 4th, but did not notice the absence of the existy strap. He said that had this atrep been in place the thro rod would not have dropped down.

Under date of Merch 7, 1976, Toadmester Larent 1seued a circular letter to all section foremen warning them to pay particular attention to their syltahes and see that these safety straps were in place.

For the undare condition of this switch, Section Foresan Langer and Tookerter Largen are responsible. Both of these men knew the importance of maintaining the astety strep in place, and the residuates has traned apendal instructions with reference to the matter, yet so little attention was paid to It that when the strap cas possered by Porchan Langer to peralt the changing of heat blocks he neglected to replace it. and admitted that he forget all about it. The evitah therefore remained without this execution enterty attachment for neveral months, and its absence was the primary cause of this devolument. Buring the time that this switch was in its unsafe condition, contrary to "'a reproductions of Moadmaster Larson, it was under the inity observation of Forman Langer, and even the most perfunct by impention would have ap rised his of the condition. Tradestation harden also used an inspection of this switch wars that a south prior to the date of the additiont, and although the strap was then absent contrary to his specific instructions, as failed to note it. Inspections de the reaction of the following of the state of the recommendation of the state of truck conditions and securing their correction. When they fail to accomplish their purpose, as was manifestly true in this case, the roalmaster cannot escape responsibility for the consequences of such failure.

Lection Foreman Langer has been employed in track work by the Chicago, It. Faul. Minneapolis & Omaha Railway for eighteen years, nine years of which time had been as section forman. He had been forman of the Vendota section for seven years. Rominaster Larsen had worked for the Chicago, St. Paul. Minneapolis & Omaha Railway in track work for a period of thirty-two years, twenty years as section and extra gang to mean, and twelve years as readmenter and acting row/master. He had been roadmenter in the Minneapte and Towa division a little over nine years.

No employee involved in this accident was working in violation of any of the provisions of the hours of service law.