INTERSTATE COMMERCE CO. TOTION

REPORT OF THE DIRECTOR OF ALL BURGAU OF SAFETY IN REINVESTIGATION OF ALL ACCIDENT "FICH COCURRED ON THE DELAWASE, LACKA" AND ALL SETTE WE RAILROAD AT GRAVEL PLICE, PA., OW FEBRUARY 20, 1953.

March 16, 1923.

To the Commission.

On Feoduary 20, lea5, there was a rear-end collision outseen two light engines on the Delaware, Lacka and a Western Railroad at Gravel Place, Pa., resulting in the death of one employee.

Location and method of operation.

At Gravel Place, near Strougsburg, there is a rounchouse on the south side of the main tracks, movements to and from the main tracks being controlled oy an interlocking plant. Leaving the roundiquee, there is a track Which extends Westward and connects with a track known as the run-around track; the discance east and from the switch connecting three two tracks to the switch connecting the rin-around track Alth the eastcound slow track is about 1.000 feet The run-around track, commencing at the eastocund slow track and extending westward, is on a curve of 60301 to the left, followed by a tangent, the accident occurring on this tangent near its eastern and. The grade is 0.32 per cent ascending for vestbound movements. It was showing at the time of the accident, which occurred at about 3 45 pm

Description

Light engine 839, in charge of Engineran LaBarr, disconnected on one side, and with the coupler missing from the rear end of the tender, was en route to the shops at Scranton for repairs. It was headed west, and after leaving the roundhouse and proceeding to the run-around track, water was taken, after which it was backed eastward on the run-around track at a speed estimated to have seen 3 or 4 miles an hour. It was prought to a stop when about 150 feet west of dwarf signal i, which governs movements from the run-around track to the main tracks, after Fire an Ayers, who was

riding on top of the tender, sal light engine 1458 coming west on the run-around track, he shouted to the engineman, at the sale time invine a go-ahead signal, the engineman revised the engine and had just started it ahead when the tender was struck by the tender of engine 1258.

Light engine 1258, in charge of Engineman act, headed east, stopped on the east cound main track 1,103 feet cast of the point of collision, dwarf signal 30 displayed an indication showing that the route was lined for a pack-up movement across the castoound slow track and thence to the run-around track, and engine 1258 had gone in on the run-around track 529 f et, traveling at a speed variously astimated to have been be the fear of engine 639.

The engines came to rest about 108 feet west of the point or collision, without being derailed. The tender of engine 835 was padly damaged, the tender of engine 1258 being only slightly damaged. The employee killed was the firman or chine 835.

Summar; of evidence.

Engine 1358 backed in on the run-around track at a speed estimated by Incincian lack to have been about 8 or 10 miles an nour. He said the run-around track was clear as far as he could see, that ne shut off steam at a road crossing about 400 feet from the point of collision, and when rounding the west end of the 8-degree 30-minute curve to the left, he saw engine 83%, over the top of the tender of his engine, this about 30 feet distant, at about which time Fireman Fockin shouted to him. He at once applied the independent air orake, but the driving wheels locked and the engine alidena collided with the tender of engine 839 at a -peed of 5 or 6 miles an hour. Engineran Mack attriouted his failure to see engine 839 oefore the collision to the fact that he was on the outside of the curve and hat the Meather conditions and steam from the stoker obscured his vision. Fireman Hockin stated he was riding on the cao seat on the left side, looking backwards, when he saw engine 839 about four car lengths distant and shouted to the engineman to stop. He estimated the speed at this time at acout 7 or 8 miles an hour, and said the engine was working steam.

Engineman LaBarr, of engin 83e, said his first knowledge of anything Trong 12e when Fireman Ayers, who was riding on top of the lender, shouted to him and gave a go-ahead signal, and he revised the engine and had just started ahead when the collision occurred. He estimated the speed of engine 1258 when he first saw it, about two engine lengths away, to have been about 20 miles an nour, he also said he sounded a whistle signal for prakes.

To verman Arnold, on duty at the interlocking tower, 700 feet east of the point of accident, and Signalman Knoll, who was standing at a road crossing, about 200 feet east of the point of accident, said the speed of engine 1258 backing in on the run-around track was from 12 to 18 miles an nour. The towerman also said ne could plainly see to the point of accident while the signalman said he engineman was looking in the direction of the roundhouse, on the firstan's lide. Other employees about the roundhouse office estimated the speed of engine 1258 at 15 or 20 miles an hour. All of these employees heard the whistis for prakes sounded by the engine of engine 335 before the solilation, which signal the engine crew of an ine 1258 cisim not to have heard.

A test run was made with engine 1258, with Engineman wack in charge, his instructions being to duplicate as nearly as possible the run made by him on the day of the accident, beginning at the point on the eastoound main track where the back-up movement started. and applying the air brakes at the point where he said he applied them at the time of the accident. It was found that he obtrated the engine at an average speed of about 15 miles an hour, and that the chaine stopped 56 feet west of the point of coursion, the ariving wheels skidued when making the stop. Vithesses of the accident and of this test thought the rail was in the same condition as on the way of the accident, and that the speed of the engine was the came. It is noted, nowever, that marry twice the distance was required to top on the day of the accident, indicating that the speed was nigher. The range of vision was found to be 270 feet.

Conclusions.

This accident was caused by the fairule of Engineman ack, of engine 1258, to operate his engine under proper control within yard limits.

Paragraph 7, of the general instructions in the time table I ad as follows.

"Fithin yard limits, yard engines, second class, third class and extra trains, will proceed under control expecting to find tracks occupied "

The evidence clearly indicates that Engineran lack operated his engine at an excessive rate of opeed when his victor of the track anead was obscured by a curve, as fell as show and escaping steam.

The fact that the tender of single 53s was not equipped with a coupler contributed to the seriousness of the accident, the coupler at the rear of the tender of engine 1258 passing under the tender frame of engine 35s, raising the tender and pinning the fireman between the boiler head and the tender

The employees at fault were experienced men None of the employees involved had been on duty in violation of the promisions of the nours of service law.

Respectfully submitted,

M.P. PORLAND

Director.