IN RE INVESTIGATION OF AN ACCIDENT WHICH OCCURRED ON THE BOSTON & MAINE RAILROAD AT DUMMERSTON, VT., SEPTEMBER 10, 1918.

Feburary 25, 1919.

On September 10, 1918, there was a rear-end collision between a passenger train and a freight train on the Boston & Maine Rail-road, at Dummerston, Vt., about 5-1/3 miles north of Brattleboro, Vt., which resulted in the death of 3 passengers and the injury of 25 passengers and 1 employee. The investigation of this accident was conducted jointly by the Bureau of Safety and the Public Service Commission of Vermont; as a result of this investigation the Chief of the Bureau of Safety reports as follows:

The Second District of the Connecticut & Passumpsic Division of the Boston & Maine Railroad extends between White River Junction Yt., and Springfield, Mass., a distance of 123.18 miles. Between Windsor, Yt., and East Northfield, Mass., the line on which this accident occurred, the track is used jointly by the Boston & Maine and Central Vermont Railroads. It is a signal track line, over which trains are operated by the table, train orders and an automatic block signal system. The general direction is north and south, the tracks in the vicinity of the accident following the west bank of the Connecticut River.

The signals on this line are of the two-position, two-arm, lower quadrant, normal clear type. Signals are arranged in pairs. the opposing signals being staggered about one-half mile apart. with an average distance between pairs of signals of a little less than 2 miles, this being the block length for trains moving in the same direction. Preliminary track circuits are used in order to give proper hand-on protection and a signal cannot clear for a following move until the first train has passed the second opposing signal and its preliminary section Before the distant signal arm can clear, the train must pass still another signal, so that trains running under clear signals are spaced not less than approximately 4 miles apart. On the Boston & Maine Railroad signals are placed about 200 feet into the block, so that the signal goes to stop position before the engine passes it, the "setting point" being indicated by a "block post." Switch indicators are not used, but switch boxes are used to shunt the track circuit at each switch. Rule No. 513 requires that a train before passing from siding to main line must wait a sufficient time after the switch has been thrown to allow a following train to come to a stop before reaching the switch.

Southbound signal 668 is 9,200 feet north of the point of accident and it is 9,250 feet farther to signal 686, which is located about one-half mile south of Putney Station. Signal 652 is about 120 feet south of where the rear end of train No. 82 stood at the time of collision and is 209 feet south of the south siding switch at Dummerston. From signal 657 to signal 629 is a distance of about 11,650 feet and that distance, added to the length of the preliminary section, a total of 13,700 feet, is the distance a train must travel before signal 652 can start to clear.

The signals and track circuit conditions at Dummer ton siding are such that when the south switch is opened, signal 668, the first automatic signal north of Dummerston station, assumes the stop position. The opening or closing of the south switch has no effect on signal 652. The track circuit is extended onto the siding as far as the fouling point, about 165 feet north of the switch.

Approach Durmerston from the north there is a succession of short curves and tangents, the track opposite the station being on a tangent. Beginning about 200 feet south of the station there is a 5° curve to the right, 1,500 feet long, followed by a tangent at the south switch and upon which the accident occurred. This 5° curve passes through a side cut about 70 feet in depth, the slope of which is on an angle of approximately 55 or 60 degrees on the right or enginements side of a southbound train and restricts his vision to a distance of about 550 feet from the rear of a train standing on the main track after pulling out from Dummerston passing siding through the south switch.

Beginning at block signal No. 668, and proceeding south the grade is slightly descending for a distance of about 2,000 feet, and then there is a slight ascending grade extending to Dummerston passenger station, where the grade is practically level; sout of the station there is a descending grade of .46% to .25% extending to level track south of the south passing track switch where the collision occurred.

Approximately 3/4 of a mile north of Dummerston there is a slow board restricting speed of southbound trains between the slow board and the south switch to 20 miles per hour. In time-table No. 42 there is also a speed restriction of 20 miles an hour at the south switch.

The trains involved in this accident were southbound first-class passenger train No. 82 and southbound freight train extra 6. Under the current time-table train No. 82 is scheduled to be passed at Brattleboro by train No. 98, the "White Mountain Express" However, on account of construction work in Brattleboro yard, the

passing point of these trains was changed from Brattlebers to Dumorston by joint special order No. 1, issued by the Besten & Maine and Central Verment Bailroods August S, 1918, to become effective August 11, 1918, no supplement to time-table No. 92 being issued. A copy of this joint special order was delivered to the erose of Nos. 82, 96 and extra 6, and at the time of the accident all members of the crows, excepting the firement of extra 6, were fully esquisment of the fact that the passing point of Nos. 82 and 95 had been changed from Brattlebers to Busserston.

Train No. 62 consisted of locometive 3635, 2 baggage care, 1 combination until and baggage car, 1 smeking car and 2 day conden, in the order named, all the conden being of wooden construction; it was an route from Newport, Yt., to Springfield, Mass., in charge of Conduster Biggins and Engineers Pergette. This left Newport, Yt., at 6:25 a.m., passed Putney at 1:34 p.m., 5 minutes late, entered the north end of the siding at Dommerston and arrived at the passenger station at 1:41 p.m., 6 minutes late. After receiving and discharging passengers, the train order signal being clear, the train proceeded to south end of the siding to wait for train No. 98 to page.

From No. 95 passed Dumersten at 1:51 p.m., 9 minutes late. Them train No. 95 passed the clearing point of signal 65%, approximately 2,59 miles south, and the indication of that signal changed from step to enution, the brahmen of twein No. 52 immediately opened the south switch of Dumersten passing siding and train No. 52 proceeded out upon the main line where it stepped with the rear and of the last coach 89 feet south of the switch points, to wait for the brakeman who closed the switch. About the time the signal changed from step to enution, the flagman of train No. 52 placed a terpode on the main track at a point about 965 feet north of on the main line. Immediately after train No. 52 had cleared the rear of train No. 52 where it stepped the siding, the brakeman closed the switch, and just after the switch use closed, train No. 52 was struck from the rear by extra 6, at about 1:56 or 1:56 p. m.

local freight train extra 6 consisted of locantever No. 6, 1 leaded box car, 1 copty box car and a coach used as a caboose, in the order named, and use an route from Bellows Palls, Vt., to Brattlebero, Vt., in charge of Conductor Saxin and Engineera Wobb. It left Bellows Palls at 12:50 p.m., arrived and took siding at Patagy, at 1:20 p.m., to permit trains Nos. 52 and 98 to pass; extra 6 then unde a suitabing movement, and left Patagy at 1:50 p.m. As extra 6 approached signal 686, the indication of that signal changed from caution to clear. Then extra No. 6 passed signal 668, which was also in the clear position, it was traveling at a speed considerably in excess of 20 miles an hour and this rate of speed continued to a point near Dumeraton station, where the train slowed down slightly. After passing the station the train picked up speed again, and no reduction was made until the explosion of the torpeds placed by the flagmen of train No. 62; the brakes were applied in energoncy just before the collision occurred.

The force of the collisaton caused coach 665, the second coach from the rear

in train No. 52, to telescope each 902, used as a making car, for about twathirds of its length and the two conches came to root with coach 665 slightly above coach 702. Hearly all of the Milled and injured were taken from the making car. Coach 653, the last coach in train No. 52, was also hadly damaged.

Conductor Magins, of train No. 52, stated that they pulled into the north end of Dummerston eiding, arriving there about 5 minutes late. After stopping at the station the train pulled down to the south and of the siding and united for No. 98 to pass. After leaving Donnersten station the conductor went into the begange car and he was there when the collision securred. After No. 95 passed he looked at his watch and it was about 1:50 p.m.; 3 or 4 minutes later the top arm of signal 652 dropped, the head brakeman then epened the switch and their train immediately preceded out upon the main line. When they got out on the main line he locked at his watch and it was 1:56. His train had eleared the switch and had just some to a step then the collision securred. He did not hear Extra Io. 6 approaching and the first he knew of the accident was the shock of collision. He said they had made this move a number of times and it had been their practice to move out of the siding as soon as the top arm of Signal 652 cleared. He had given his flagmen no particular instructions, but the flagments practice had been to place a torpodo on the main track about 500 feet north of the switch, a short distance book of the rear of their train while standing on the siding, and this he did no the day of the accident. He said he know the requirements of Rule So. 513; he know that the throwing of the south switch would set signal 668 at step and he understood that it would also set signal 652 if train No. 95 had not eleared the block.

Ingineran Forgett, of train No. Et, stated that he was substituting for enother engineers and that was his first trip on this ren. He said they pulled into the north siding at Domerston, set the switch, then pulled up to the station. He said they were at the station 13 or 14 minutes before they started to pull down to the south end, at 1:40 p.m. Then they arrived at the couth switch they stopped about an engine length morth of the feuling point, to unit for No. 95 to pass. About two minutes after No. 95 passed the head brakeman malked down to the switch, imboshed it and stood watching eignal 652 and when the top age started to drop the brokeman threw the switch and they started right out. He did not think there was an interni of more than 2 minutes from the time they started to pull out onto the with line until the collission corurred. In pulling out upon the unin line he applied the brakes ence to slow up, then released them, and unde another application when they were almost out; he had not released the brakes when the colligion occurred. They had just cleared the exiteh when the firemen \ yelled to him and he funged down from his sent. He did not hear the whistle of Brira 6 nor the explosion of a torpode. He did not remember that he had been in Democrates siding boofe under similar circumstances, but stated that it was his conton to come out of a giding as seen as the switch was thrown. He said he know the requirements of Rule 513, but had not considered that the rule applied to their movement at Dunmarston; he thought 4 or 5 minutes would have been a sufficient length of time for them to have waited after throwing the swithe. He said he did met know that throwing the south switch set signal 668, but thought it set the signal about of him and that this was the reason the brakeman did not open the switch earlies.

Firman Quertin of train No. 52 stated that when they had moved down to the south switch at Dumerston and stopped into clear, the engineean was watching the block, the signal cleared, the brakeman throw the switch and it was about 2 minutes from the time the switch was opened until they were out on the main line, No was watching for a proceed signal from the rear when he saw Extra 6 coming around the curve and jumped just as his engine was coming to a stop. He heard no terpode explode.

Brokeman Graves, of train No. 52, stated that after No. 95 passed, at 1:50 p.m., he went back, with flag and terpeddes, and at a peint about 500 feet from the switch, two car lengths or more north of the rear of his train as it stood on the siding, he placed a terpode on the rail. At that time there was no sign of the approach of extra 6 and he then started toward the rear of his train. His train had started to move formurd before he reached it and he had to rea to sutch it. We bearded the train, crossed the rear platform and was just starting to get o ff at the switch when he heard the explosion of the terpode. Locking back, he saw Extra 6 approaching around the curve at a speed he estimated at ever 30 miles an hour. Is yelled to the head brokenen and they both jumped. While he had not been instructed to do so by the conductor, it had been his practice to protect the movement of his train in pulling out of the siding by placing a terpodo on the main tracks each time they had made this move he had put down a torpedo at appreciimptely the same point. On the day of the accident, hewever, he had extra 6 in mind and thinking they would be through with their station work at Putney, he want up the truck farther then usual, golds back as for as he could to put down the torpode and allow himself time to get back to the train and close the ewitch before the train started. He buid he intended to put down two terpedoes, but saw the rear of his train moving and did not think he had time to do so.

Head Brakesan Riley, of train No. 62, stated that when his train stepped at the switch at Busserston he walked back from the engine and stayed opposite the baggage our until No. 95 passed. When the top arm of signal 652 dropped, after the passage of No. 95, he threw the switch for the main line, but did not give the engineers any signal to proceed; he though they were about 2 simutes in pulling out upon the main line. The rear and of his train had just cleared the switch, he had through the handled ever and was just about to drop it into place when he heare the brake-man shout and looking back, saw extra 6 approaching at a speed of 30 or 35 miles an heur; he did not think their speed was reduced much, although steam was apparently skut off. He heard no terpedees or whistle signal. He said he had been instructed by his angingman and conductor to always wait until the top arm of signal 652 dropped before throwing the section.

Regagemen Hackett, of train N. 52, stated that No. 96 and been by about 6 minutes and they were uniting for it to clear the block. The block cleared and after throwing the spints they pulled out on the main line and were almost immediately struck by extra 6. He heard no torpode nor warning whistle.

Conductor Saula, of extra 6, stated that he understood No. 95 was to pass No. 52. at Dumorston and assumed that his engineens had the same understanding.

He did not look at his match while at Putney, but asked the enerator there regarding these two trains and was informed that both were on time. There departed from Putney at about 1:50 p.m., approximately 7 minutes after No. 95 left. Leaving Putney, as he was entering the caboose, he looked at the signal and noted that it had cleared. He said there was no appreciable reduction of speed at their train approached signal 668 and he did not see that signal as they passed it. Their speed approaching Dunnerston station was between 30 and 35 miles an hour; he heard the engineeus sound the station whistle and pass the station the engineers slowed down so the conductor could throw off a may-bill there. He conimited they passed the station at about 25 miles an hour and after throwing off the way-bill he want inside the cabons and was making out time reports when the accident occurred. He said they passed Dunnerston at 1:57 p.m.: he did not looks at his match, but later asked his rear brakensu, who told him. We one called the position of the signals and as the caboose of their train had no cupols, the signals could be observed only by looking out of the window or from the plateform and none of the trainman did this. He heard no torpedoes but felt the brakes being applied, fellowed not more than 20 seconds afterwards by the shock of collission, The conductor said he did not think they were traveling at any excessive rate of speed and he made no effort to check it, as he considered Engineeus Webb qualified to regulate the speed. He did not recall the restirction of the speed board located morth of Dummerston ner the time-table restriction of speed at the south switch. He said the brakes were all working, as he helped test them and they had no trouble with then on this trip.

Engineers Webb, of extra 5 stated that after coupling on the train at Putney he applied the brakes, then released them and heard the triple release on the selecte. The next time he had occasion to use the brakes was coming around the curve at Murder Hollow between Putney and Dunmerston, when they operated properly. Coming out of Putney and appreaching signal 656 he observed that the red are was sown and the yellow arm was up, but the yellow blade started to drop before he passed it. His fireman called the indication of this signal to him as clear and he makenowledged it. Signal 668 was in the camtion position when he first saw it, but as they approached the black post the yellow arm started down and had cleared just before he reached there; after passing the block pest and when his engine i was about 50 feet distant both arms went up together. From the signal south of Putney deport to Marder Hollow they did not exceed a speed of 20 miles an hour, but after receiving a clear indication at signal 568 their speed increased to about 30 or 35 miles as hour and he maintained this speed until he came to the speed board, where he slowed down; he sounded the station whistle signal and after passing the station he increased speed. His train was traveling at a speed of from 25 to 30 miles an hour when, remains the curve south of the station, at a point about 6 or 7 car lengths from the switch, he ran ever a orpodo. He immediately closed the threttle but it flow back open and he again closed it; at the same time glanding mt the cab window, he can the rear end of No. \$2 and immediately applied the brakes n emergency, but could not stop his train in time to avoid the cellismion. He stated that his engine brake was in good condition and the train brakes were working satisfactorily. Regimens Webb stated that he was aware the passing point of Mes. \$2 and 98 had been changed from Bruttleboro to Dummerston; also he was familiar with the speed restirction for freight trains and with the location of the slow board. He said he had No. 82 in mind, but when he saw signal 665 clear he assumed it was

clear he
it was No. 52 just leaving the dearing point for block 665. Engineers Webb
said he could not dony that he expected the speed limit, as he came at a speed
faster then that called for.

Firman Couchlin of extra 5 stated that at Painey the only conversation he had with Engineens Webb was to remark to him that they were waiting for No. 95. He said he usually calls all nignals, but as they were leaving Patney he was working on his fire and did not notice the position of signal 686 ver distinctly; he thought it indicated clear and salled this indication to his engineers, who acknowledged it. We get a glimpse of signal 665 as they were approaching it and thought that it also indicated clear and called the indication to the engineers, who waved his hand in acknowledgment. He said he could not state positively about the signal indications. Their speed between Putney and Dunnersten was between 30 and 35 miles an hour, but approaching Dunmersten station the engineers secured the whistle, slawed down, and they pussed the station at a speed of about 15 or 20 miles an hour, after which speed was again increased to about 35 miles an hour. We get down to put on some coal, heard the whistle, then the engineers called to him to gump. The engineman made an emergency application of the brokes at the some time sounded the whistle and the collision openred about a half minute after. The firemen did not think the engineeus our the extra more than 30 seconds before the cellisies and did not think the speed of the train was checked by the brake application. He said the brakes were all right, but the threttle of their engine was not much good and did not hold.

Plagman O'Connor of extra 6 stated that the air brakes were tested at Putney by the conductor, assisted by the head and middle brakesen and just previous to the collision they took held in good shape. He estimated their speed from Putney to Dunmerston at from 30 to 35 miles an hour. He heard no terpedoes their speed was about 30 miles an hour when the engineeum sounded the whistle and the brakes were applied in emergency.

Head Brakeman Riley of extra 6 stated that he was riding in the caboose and their speed from Putney to Dumerston was 30 or 35 miles an hour. Just after they passed around the curve he heard a torpedo explode, then the brakes were applied in emergency and the collision followed within half a minute.

Middle Brokumen Jones of extra No. 6 estimated their speed at 30 miles an hour, except passing the station, when the engineers slewed down. When at a point about 8 telegraph poles from the point of accident he heard a torpode explode, and estimated their speed when they struck at 25 or 30 miles on hour.

Bridge Ference St. Greix stated that on the day of the accident he was working on Bridge 60, which is about 200 feet south of signal 668 and was on the east side of the track as extra 6 approached. He ead that as the extra come around the curve, which is about 500 or 600 feet from signal 668, the signal was in the step position and when the train was about at the fouling point the top arm of the signal dropped

and then went right up again, while the lower arm stayed up. When the extra passed him it was traveling at a much higher rate of speed than the other trains.

Bridge Corporaters Pennock, Brennan and Hackett corresponded their foremen's testimony and said that extra 6 did not slacken speed as it passed.

Section Foresan Salvin, in charge of Section 19, between Brattlebore and Desmerston, stated that on the day of the accident he was working with three men about half a mile south of the south switch of Dummerston passing miding, right beside signal 647, the northbound signal. He saw the brakeman of train No. 52 set the switch and the train immediately moved out, a little more than 2 minutes from the time No! 95 passed, and came to a stop on the main line with the engine about half way between signal 647 and the south switch. He could hear extra 6 approaching the other side of Dummerston station and wondered why it did not reduce speed, which he estimated at 30 miles an hour, and the collision followed. He did not remember hearing a whistle counded, but just an instant before the collision securred he heard the explosion of a terpeds.

In the investigation of this accident an inspection of all signals involved was unde and the relays tested. The switches in the block in which the accident secured were tested for shunt and found to cut out the track circuit properly. Then epened, the mechanisms were found in very good condition and the shunt bexes were clean. The signals worked freely and the clutch coils of signal 665 showed no signs of residual magnetism. The tests unde, tegether with the test-imeny, justify the conclusion that the signal apparatus was in good working order and did not fail to perform its proper functions at the time of the accident. It is apparent from the evidence in this case that extra 6 passed signal 665 before the could exite of Dummerston siding was opened.

The investigation disclosed a conflict in the testimony regarding the signal indication displayed by signal 668 for Extra 6. The statement of the enginemen of the engineens of that train is to the effect that the single cleared just before his train reached it, and the firemen stated that although he was not certain of the indication displayed he called the signal clear. The members of the bridge gang who were working near were positive in their statements that the top arm of sigmal 668 cleared as extra 6 approached, and that the signal indicated caution when the train passed the block post. If extra 6 had passed signal 668 after the south switch at Dunmerston was opened, that signal would have indicated stop, while if it passed that signal before train No. 95 passed the clearing point for signal 652. signal 668 would indicate caution. In view of the positive and unquestioned svidence that the south switch was epened as soon as the top arm of signal 652 cleared as well as the evidence furnished by members of the bridge gang that signal 668 was in the caution position for extra 6, that train must have passed signal 652, and signal 668 ms therefore in the caution position. This conclusion appears to De theroughly established. Engineman Webb's statement to the centrary notwithstanding.

From tests conducted after the accident, it was found that a train similar to extra 6 on the day of the accident, proceeding at 32.7 miles on hour, could have been brought to a step within a distance of 600 feet and within 16 seconds

arter exploding a terpode placed 965 feet from the rear and of train No. SE as 10 stood on the unin line. It was also found that, with an engine the same type as was used on extra No. 6 on the day of the souldest, looking out of the onb window from the engineera's side, a clear and unobstructed view of the rear of a train as No. SE stood at the time of socident sould be obtained at a point 546 fact north of the point of collision, form which point signal 652 could also be seen distinctly.

The primary same of this accident one failure of the erow of train No. 62 to write a sufficient length of time after opening the switch before moving their train from siding to sain line, in vicinties of Rule 513, for which Conductor Briggins and Baginessa Forgette are responsible. A contributing same was the failure of the erow of extra 6 to properly beed and comply with signal indications, speed restrictions and torpote signal, for which Conductor Samin and Baginessa Webb of that train are responsible.

Dale No. 513, of Rules for Severament of the Operating Separtment of this read, reads as follows:

"Trains about to enter a track protected by block signals, after the outtob has been epened which will enuse the automatic signal to indicate Step, will not enter the main track until sufficent time has elepsed to allow a train, that may have presed or be approaching the signal, to some to a step before reaching the switch."

In conformity with this rule, it was the enty of the error of train No. At before proceeding out upon the unin line to leave the switch open for a sufficient length of time for the extra to have proceeded from signal 666 to the neath switch.

The testimany given at the investigation inductes that subsequently to August 11th, up to the day of the accident it has been the practice of the eres of H₀. We to three the switch and pull out upon the main line the nement the home binds or top asm of signal 652 began to lover, which was clearly in direct conflict with late 513. Instead of uniting for the top blade of signal 652 to clear after the passage of H₀. 96 before the south switch two open, had the couth switch been opened as seen as train No. 96 passad, signal 666 would not have cleared and the accident would undoubtedly have been averted; further, after the switch was spened, had train No. 62 united a sufficient time, as required by rule, the accident would not have construct. The testimeny in this case indicates that it was the practice of the error in charge of train 62 to disregard this rule, and discloses the accounty for more specific instruction and therough examination of employees in regard to rules and their dation.

The indication of signal 668, as extra No. 6 passed it, being sention, it was the daty of Inginessa Webb to "proceed, prepared to step at next home signal," according to Rule 501. Mignal 652 was only about 120 feet south of the rear of train No. 22 as it steed at the time of the collision, and it is apparent from all the facts and circumstances that had Inginessalehb complied with this rule, he would

no doubt have been able to stop his train in time to avoid the collision. An examination of the throttle lever and quadrant subsequent to the accident of disclosed that they were in good condition. It is apparent from the evidence that Engineman Webb ont only disregarded the caution indication of signal 668, but failed to regard the speed limit as indicated by the speed board located north of Dummerston failed to comply with special time-table speed restrictions, and failed to act promptly in reducing the speed of his train after exploding the torpedo placed by the flagman of train No. 82. Conductor Sawin is responsible in that he failed to take any action to cause a reduction in train speed which he knew was in excess of the maximum speed permitted or authorized by rule.

At the investigation it was found that the brakes on extra No. 6 were in good condition and had the rules been complied with by those in charge of this train the collision would have been averted.

Fireman Coughlin is also at fault, on the basis of his own testimony for calling both signals 686 and 668 clear when as he stated he was not certain of the indications of those signals. While it may have been no bearing in this case, such practice is to say the least misleading.

While a contributing cause of this accident was the disregard of the caution indication of signal 668 by engineman Webb, that rule of the Boston & Maine Rail-road governing the observance of the caution indication, reading "Proceed, prepared to stop at next home signal," leads directly to a minimizing of the value of the caution indication. This rule permits the engineman to use his judgment as to when he sahll begin to reduce speed in anticipation of a possible stop at the next signal. The danger in this interpretation of the caution indication has been pointed out in previous reports of accidents investigated by this Bureau. The interests of safety demand such modification of this rule as will cause the caution indication to be recognized as being as positive in its indication and requiring as definite action on the part of the engineman as does the stop indication.

Conductor Sawin entered the service in 1881, was promoted to conductor in 1885 and had been on this run about one month. He had received 20 demerit marks for responsibility on the occasion of a previous collision and reprimanded once for a careless switching movement.

Congineman Webb entered the service as fireman in February 1905, was promoted to engineman in February 1912. This was not his regular run, but he had been on it about two weeks. He had been discharged once for running his train, which was an extra, on the time of a regular train and on four occasions had received demerit markes for running past signals.

Conductor Briggins entered the service in August, 1888, and had been a passenger conductor since May, 1910. He had been on this run since February. His record—showed that he was reprimended once for failure to obtain a clearance card and on two occasions had failed to properly read train orders, being once penalized for this oversight, and once reprimended for failure to register a signal.

Engineman Forgette entered the service as fireman in November, 1903, was promoted to engineman in July, 1911, and had a fair record. On the day of the accident he was making his second trip on this particular run.

At the time of the accident the grow of extra No. 6 had been on duty about 6 hours, with a period off duty of about 16 hours. Engineeus Forgette and Firemen Smortin, of train No. 52, had been on duty almost 4 hours, the remainder of the grow about 3 hours, all having had ever 20 hours rest.

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