Augled 23, 1928.

In re Inveatigation of Acojaent on the Southern Rallway, July 17, 1912.

On July 17, lola, there a Aerallment of a pasanger train on the Knosvilie 5iviaion of the gouthern Railmay nems Vance, Tennesgef, regulting in the death of ons mall olerk and the injury of 5 agil clerisa, 3 alning cer employees and 24 passengars. After an invertigntion of the nature and onuse of this acaldent and the arreumetances conneoted therewith, the Ohter Ingpentor of safety Appilenees remorta a Sollows:

The train involted in this socident was Gouthern Rallwoy tratn ⿴o. 20, known an "Wachington-Memphin Mpecisi*. On the dete of the derainent thietrain left driatol, Tonn.,
 It Fas in ohsrge of conductor turray and encineman Brooks, and aongisted of engine No. 123a, one bail oar, ane comoination bagenge and pamanger our, one aly coath, one aining ogr, two cullagn meepers and one obervation oar. These barg were of all steal or stegl undaririze construation, with the excestion of the pullwan sleapers.

The torallment oocurreá about 3:00 p.m., nine winutes at ther the train"e deperture trom Bristol, a a point about $51 / 2$ miles distent from that pliae. The whace of the formazd trupk of the engine tender left the relle at the foot of a slightiy desoending ersid to the woet, as the engine was rounding a three enc one-hals degreg curve to the right, and
thile the eare of the train wer on a roverse auxv. The apeed of the train mt the time of the aosident was variously entimated at fram 30 to 70 miles per hour. At the place of dorallment the Hraok te laid of an 20 root till. Hfter the acasumbthe ongine tenter hay on ita left side to the right of the track. The
 of 45 degreen, and went down the mbankment. One ond of this ogr was ramed by the oombination car immediavely in its rear, and ite enperstructurg ghove the atoel underfreme was ploughed off and oompletely wresined by the lupsat of the combination osf and the cars followine 1t, none of which turnea ovor, but all of whoh ploughed through the mail oar as it lay ugon the ground oronamie of tho tracik. The observation ogr at the Fegr of the train dit not leave the rails and suffored no damage.

The trask at the rlace of the derailiment in good
 on hardmoon the and roek bellagt. The ralle were now, having been latd only about five months provious to the time of the aocident. The gauge and alspmant of the track wer good. The relis ware single aphiser sut ornoen were used on the murves. The survature at the point ge deraliment wem thrat and one.
 and ono-half inches, whish alould be mafe for a evect of from 40 to 60 milats par hour. An axamination of all the trades of the onsing tender snd barg fitied to diagloge any dafect in the roiling equipmant that mitht have oused the darallment.

That this deraliment mas anuese by the exobenive speed at which the train wen Funning esers to be amply proved by the chroumstaness muxpounding the acotient, and the conatition of track and equisumt artex ite occurrenoe. The ookeanle apead of train as at the plece of the adoident if about 36 mileo per hour. The train left itm diviaional terminal at fristol eleven minutec late, and had proceeded slve and one-halt mileas in 9 minutea when the aecident oscuryed, although it wen required by tine cara rule not to exceed a meaed of ten milen per hour through the ofty 14mits of Bristol. Arter the mheels of the tencer left the wall they ron along on the ties for diatanod of 20 rail lanytha before the tender went down the $f 111$ on the inner glice of the gurve. After the mati oar laft the ratim and turnect over on 1 te alde 1 t wag puahed along on the ground by the momatual of the train for atatanee of fourteen rall langthe, the artire train going in tinis cundition a Chatanog of four hundred feet after the deraliment. The track was vary badly torn up for a atatmae of nearly four hundrea feet, neensbitating the une of $2 s 0$ nem tieg and 19 nes raile to glage to again in aerviabie sonatition.
 and flagmen Barohifela, who ere in oharge of train No. 20, are to the effoct that the spend of theis train wan from 36 to 45 milam por hour. Track auperviao Wample of the gouthern
 the eocident, atated that the track wa "perfectiy sefo for a
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opead of cixty mile per hour." teotion forexan MaCorkle and the men who werf working with hit in the viainity etated their bellaf that the gpeed of the train exoeeded sixty alles per hour, while farmer living fifty fema frof the traok at the point of the accitent, who was looking at the tealn when it lott the rails, aid that inhis sixteen yeare residence at that place he had never before geen a train run at euohe high rate of apeed as this one dian

That tharg wat not a much greater easuality 1ist may be attributed to the motern equinent of the care at this train. Tespeotrully gubmitted.

Cheef Inapactor of anfuty Applisncen.

