

No. 11 DECEMBER 1946

### CHRISTMAS GAR TINGS - from the Vice President.

This being the first thristnas number of the 'Circular', the editors have asked me to write a rew lines suitable to the occasion.

I will, therefore, in the first place, take this opportunity of wishing hearty Greetings and a Happy Christmas to all our nembers. Thristmas is the time of peace and poodwill, and one cannot help thinking that if we sould only st the spirit of friendship and socially which we have in our lirole into the world at large it would be a happier place.

To the rallways, hristmas means a time of reat activity, extra trains for recelle travelling to join the family circle; nountains of parcels and mail to be not safely to their destination. Anyone who has spent an hour in the evening at King's Cross or Buston during the week before hristmas has some idea of what this means.

To a railway enthusiast of an older eneration a white hristnas hay brid menories of a couple of 'Joles Goeds' ploughing their way ever that wild and treacherous spet, Dava surmit, between Forres and Avience, or two Johnson 0-6-0's with show lengths at each end patrolling the line from Flea Moor over best Head. A younger generation whose thoughts turn the same way would think of 4Ps, or Horwich he wish that his entires the Tones Goods' seemed to be when they first appeared, how small they would look today beside a 'heyal Scot' or L.Y.S. Pacifie!

The motte of our railways has always heer "Sun or rail, for or show, if humanly possible the train must to through", and at no time hore so than at thristmas.

In bell Leich's beck "On the Line" his first chapter is entitled "hid int len", and describes the scene on the footplate of an L.N.L.A. Pacific on which he rede from Lidin up h to London; watchful and alert on the part of the driver, active and strehueus for the firenam. At the conclusion he takes the scene to a sleeping car where the attendant has roused a passenger to tell him it is seven o'clock and the train is nicely 'on time'.

'Yes', ir. Leigh concludes, 'the "lid int len"

have 'ee seei to that all light'.

There is much hope and anticipation at hristlas which depends on the "ideight len", so I will conclude 'y expressing on behalf of our hailway Direct very 'est wishes to our railways and our railway nen. As our President has said "The railways relard us as Antassadors for them", so we who derive so much leasure from our railways express our locawill to them. Handas HUTTON.

#### DITOLIAL

The Joint Laitors take this opportunity of wishing all readers of the "Direular" a Happy Christmas and the sincere wish that "the sticks may be off" throughout the coming year.

Lisewhere in this issue will be found the Hon. Secretary's notes reparding the Annual General Secretary's notes reparding the Annual General Secretary and the Liection of Officers. One cannot emphasise too strongly the importance of filling in and returning the enclosed callet paper, as a good return will give those who are responsible for the administration of the Lircle and assurance of continued interest on the part of the members. It might be well to bear in might that the strongest and most thriving of societies may be weakened and eventually destroyed by a athy and indifference.

serted in the lovemer issue 'y'r. . Hubert Fester In this connection the editors would like to suggest that "The Hobbies Shop" is a valuable addition to the railway enthusiasts' anenities in the city, and that its continuance depends upon the support forth-coming from those who are likely to benefit nost from it. Any orders one can place in ir. Foster's direction will be a means to an end.

Attention might also be drawn to the business of Locomotive and General nailway Photographs, Merege, Trevoke Lay, Padstow, Jornwall. The preprieters of this concern, lesses. J. n. Slinker and a. Vau ham-Jenkins, are themselves railway enthusiasts

and contine a specialised knowled e with a willingless to neet one's individual requirements, resulting in a very happy and personal service. Fr. 9. Button and hr. J. Theribill have on different occasions been much indepted to these gentlement for the provision of thetographs at short notice, without which certain lectures would have been so and the poorer.

hecently the editors were favoured with a copy of the ristol mailway lircle's house journal. This attractive and licely produced marazine makes interesting reading, although much of the space is devoted only to the domestic affairs of the society. A feature which connectes itself is the excellent took review putting forward short and shappy criticisms of recently published railway literature. To the ristol mailway lircle is offered sincerest wishes for continued prosperity and success.

The "lircular" is normally published during the first week of the month, but this issue has been purcosely with held so that it may reach one's readers with the hristnas mail. It is repretted that owing to the incidence of the hristnas holidays the January issue will be of sub-standard thickness. Publication will be delayed until after the himual General Neeting so that a detailed report of the husiness transacted may be published without delay.

Thanks are accorded to hr. G. D. James for the excellent picture in colours of a Great Northern Loud which he has presented to the Lircle; also to hr. L. Exley, the precision model maker and a fellow member, for a print of an "S" class 4-5-0 of the Borth Lastern nailway. This was notable as tein the first 4-6-0 built for EXPLESS passener work in Great I ritain. Hr. J. Therehill also gave a framed print of George Hudson, the "nailway King" and first Chairman of the Leeds and Tradford hailway.

As a class in eneral, there is much that is interesting out Tark in ines. They are usually rejarded as the small tothers (or should it te sisters?) of the lorely Tender in ites, destined, as small trothers (or sisters) in any time family are, to do all the rulling about, all the odd jobs too menial for the time trothers (or sisters), and to lend a hand where-ever necessary, as a great favour.

Of course, all the talks are not little 'uns Lowadays, and can often show the hih and right y row ups how to tackle a hefty jo', a d do it well, but its the lowlier end of which I am really thinki. . I always had a artiality for tacks, to dou't hecause I was reared on the Great Lastern sultr'and a line which saw only tasks, little chass with small wheels. 0-S-0s that ! istled along with a fifteel. ceach train of fourwheelers, their red coulding reds flying round at an anazing speed. There were a jew aristocratic 0-4-4s, but they looked down their loses at having to hix with the brats. I always like to see a talk entire hauling its train tanker first, it looks here correct somehow. To me a tack rulling chimley first colveys the impression of ya ki its load alo. with a air of "for goodless safe Alfie, cone along do", but runing burker first it's "come on love, tuck your arm in mine, I'll help you along ".

Some tacks convey a definite sense of the jot they were intended for. Look at a L.T. & S.m. 4-4-2 and your thoughts fly to Southend-on-Sea and Jockles. A Southern 4-4-2 singly says " righton", a G.M.M. 0-6-2 looks the part to an inch of humping a full lusiness train up the worthern Heights line with its endless gradients.

There was the classic effort of a L.S. ... 0-4-4 (was it a Druroud?) which was the only entire available when a special excursion to Southampton bein so well patronised relief trains used all the "big loy s", and the last relief had to have the 0-4-4, take it or leave it. It stoped for water quite a lot, but it lot there, and the duly time it lest was the time it took for its drinks.

I was oin to say a word a out Larky Tarks. 'ut

# THE MIDLAND GLASS 2 PASSINGER LIGHTLS

Three menters of our Circle having recently inquired for certain details about the class 2 passenger engines of the late Midland mailway, a short account of this class may not be out of place.

All the large-loiler class 2 entines were rebuilds or renewals of Hr. Johnson's 4-4-0 entines will between 1882 and 1901, and they retained their former running numbers. The emigical numbers were a varied assortment, but in 1907 the renumbering scheme placed all entities of a particular class in series. As the old numbers may not now be widely blown, the 1907 numbers will be adhered to.

The history of the Johnson 4-4-0 entires in their ori ital form is too lot; to deal with it this brief review; suffice it is to say that they had driving wheels of either 6'.6", 6'.9", or 7'.0"; the entires wilt till 1891 having a coupled wheel ase of 8'.6" and the later builds 9'.0" or 9'.6" to accompate a larger fire ex; except ten entires (473 to 482) tilt in 1900 with the older 8'.6" hase. All these aimensions were retailed when the entires were first require with large toilers.

Larly in 1903, Mr. Jehnson introduced his "H" class toiler of 4'8" diameter with 1,428 square feet of heating surface and a pressure of 175 les.; its chief object teing to adapt the older 4-4-0 entires, and also many of the 0-5-0 goods entires, to the heavier traffic.

He at once connenced fitting it, to other with new can and splashers, etc., to the 4-4-0 engines with 6' 6" driving wheels huilt 1888 to 1900. Mr. Decley continued the process but eventually applied his own new cap with roof extended backwards (modified specimens of this cap can still be seen on the majority of the class 2 0-6-0 goods engines

Talks - Very Tuch (continued)

I dare not. Lut I have remember an inspired article
by well J. Allen, havy years alo, on their work
the Liver collandester expresses. Talks -- what
would a railway do without 'en?

rewilt with elpaire fire ox).

These 4-4-0 e. ites - los. 378 to 402 and 428 to 482 - were all retuilt by early 1908. r. Teeley the started re wildi the 6' 9" and 7' 0" drivi wheel endes that ado ted his later style of car. of almost the same pattern as that which he had introduced for his new three-cylinder componeds in 1905, and he also medified the splashers. These elies had his lew slintly tareri chi ev with wild deflectors, and the lew screw and olt fastelea flat smoke ox acor (the 6' 6" arivi; wheel e. iles had bee fitted with the Johnson tager chiney). y the samer of 1908 all the endes of this class had 'ee. con leted, viz: 328 to 357, d.w. 5' 9"; 358 to 377, 403 to 427 and 483 to 562, all with driving wheels 7' 0" diameter. The latest el i es had r. Deeley's new parallel chimney with will deflectors and convex stoke ox door, and these features were soon fitted to all the older en ites.

In 1909 it was decided that all lew collers for the class 2 lasse for elices should have a claime fire ox. The lew coller, later desidated G7, was similar to the "H" coller except for the reliaire fire ox and a long smoke ox, and it first appeared on the so-called 386 class. This was supposed to be a retuild, but as the lew frames with raised runing coard were provided, extending the coupled wheel ase to 9' 0", it is hit well be termed a lew endings. Letwee 1909 and 1912, los. 378 to 393, 450 and 465 were requilt to this lew deside (450 and 465 had a 9' 0" coupled wheel ase from the time of their building in 1895).

Shortly after the appearance of .0. 386, the new elpaire coller was also gradually fitted to 25 of the 6'-9" and 7'-0" driving wheeled as it as betwee 328 and 376 (various numbers), but these retailed their ori ital frames so were more believe rebuilds that the 386 class.

Lefuilding of this class also continued till 191s in which year it was decided to apply superheating to the class 2 passener engines. In Fowler therefore prepared a new design which was a aim termed a rebuild, but as very little of the older engine could be incorporated in the new design the latter is best regarded as a new engine. The new boiler was similar to the 1909 G7 but with superheater, and (continued on page 9)

it became known as the G7s. New frames were previded having a soupled wheelbase of 9'.6". The first entires chosen for renewal were 483 to 562 as these had piston valves and 7'.0" driving wheels, two features required in the new design, from their origin in 1896 to 1901. All these were renewed by 1914. A start was then made on the older engines and various numbers between 332 and 482 were gradually dealt with till 1923, naking a total of 155 entires for the class. Then, owing to the grouping having made it uncertain which pre-group classes would be perpetuated, the renewing geased.

There were then thirty-seven entities still in their 1903-8 rebuilt form (with "H" boiler), and these continued to work on lighter duties till the boilers were worn out, when they were scrapped and the running numbers left blank; the last two, 428 and 473 being withdrawn late in 1927; except one oddity, No.331, which had been fitted in 1909 with the new long spokebox but not relpaire firebox, this was scrapped in 1928.

The first of the 386 class to be scrapped was no. 384 in 1925, but the majority of these 1909-12 entires lasted until after 1930; the last of the femile rebuilds, Do. 372, being scrapped in 1940. Four of the 386 class are still at work.

In conclusion, it hay be nexticated that five entities of the 1912 superheater design were constructed at Derby in 1914-21 as renewals of the older S. & D.J... entities, and these came into L.L.S. stock in 1930 as nos. 322 to 326; thus bringing to 160 the total number of this "renewed" class.

For Sale: "Lecomotives" by A. M. Tell.
Two volumes in good condition. 37/- the two.
For Particulars write 6, Fern Hill Mount, Shipley.

Since the cover was printed it is learned that Mr. Fester has a limited number of ".ailway Figtorial" (the efficial new publication of the ailway Photographic Society) for sale at 5/- each

Since early coaching days Thristmas Eve has been a day of travel. The scenes of accident and hold-up, so vividly described by such writers as Charles Dickens, were a feature of the coaching era, and this element of danger lent to the hrist mas journey a more than usual spice of adventure.

ith the coming of the passenger carrying railway this hristmas flood of traffic ave place to a lew mode of travel, less picturesque that the state coach perhaps, but certainly affording a mad

greater degree of safety.

Lvel so, the hrist as seaso has in the past leet marred by railway disasters, hapily infrequent, and of these the nost appealing to the po, ular ina ination were the ones, three in hum er,

which took place on hristmas we. On Mecenter 24th, 1841 the Great estern ailway experienced its first really had accident. The trail involved was the 4-30 morning Nown Goods fro Paddil ton, which in addition to seventeen loaded wa one and a van also included two third class coaches, a six-wheeler and a four-wheeler, marshalled lext to the eline and carryin thirty-eight

passell'ers.

In the dee est part of Somit Cutting excessive rai fall had caused a la.d slip to cover the road-jed to a depth of a out four feet, and into this of struction the train with its unfortunate third class [assel ers rat at some s, sed. In the e suid derailment the frail little passe er coaches were sadly crushed 'etween the tender and the following heavy goods vehicles, eith people being killed and seventeen severely injured.

In the card of Trade enquiry following this accident the conditions under which third class passe gers had to travel were a versely come ted upon and from that time he am a gradual amelioration of the lot of the travelling proletariat. The hristmas martyrs of Solding did not die in

vai:! .

Thirty-three years later the Great destern hailway was a ai. afflicted by a hristnas accide. which throughout the low history of that Company was to remain the worst ever.

On hristmas we 1874 the ten o'clock morning. express from Paddin to to inkerhead, consisting of fourteen carriages, the majority of them sixwheelers, drawn by two emines, arrived at Oxford thirty minutes late. As no third class accomodation was available a small four-wheeled coach was attached Lext to the engines, and, after some delay, the train departed on the next stare of its

journey. Shortly after passing Kidlington (then known as (codstock load) station at a speed of thirty-six miles an hour, the tyre of the right hand leading wheel of the lewly attached coach flew off and was shortly followed by a piece of the wheel rim itself. The couplings held up the coach for a short distance thatil, when hear Shipton-on-Inerwell, the drivers became aware that it was off the road. whereu, on, with the jest of intentions but some lack of fore-thought, they reversed their entires and whistled for the trakes to be a lied.

The little coach was immediately crushed and smashed into pieces by those thind, of which nine were throw off the rails and ladly dama ed. four of the leid completely destroyed. Of the remailing seven the last two only remained on the rails. The ellies released by the treaking of a coulling ral ahead and their crews were whurt but no less that thiry-four passen ers lost their lives and sixty-mine were more or less seriously injured.

In the subsequent enquiry the Inspecting Officer severely reprinanded the responsible people on the Great Jester Lailway for their allowing the continued use of rolling stock with wheels having rivetted tyres, a practise condemned some years

I irty-six years elassed before the we of Ciristmas was again distured by a serious railway disaster. On December 24th, 1910 the evening newsa ers carried selsational headlines - there had been an accident at Hawes Junction on the "idland Lailway.

In the small hours of that day two light ellines, but recently detached from the Up expresses they had piloted from Carlisle, were standing coupled to ether at Hawes Junction Down advanced starter signal. Upon the signal being lowered they started to move in leisurely fashion towards arlisle but before they had not far of their way

were run into at full speed by the double headed night Glasjow express from St. Famoras, comprising eight logic coaches and two twelve-wheeled sleeping cars, for which the Down line signals had actually been pulled off. The smash was terrific and, to add to the horror, fire broke out amongst the wrecked jas-lit coaches. It is on record that of the many passengers homeward bound for Thristmas, twelve were killed and seventeen, including all eight engineen, were seriously injured.

The accident was caused by the signalman, preoccupied by the novements of four other light entires about the restricted yard, for etting the whereabouts of the two light entires when he offered the express forward to Aisgill. The crews of the former were also very much at fault in reglecting to carry out the provisions of hule 55, although they were standing on the main line for eighteen minutes.

The conflagration emphasised the possible dangers of Jas-lit coaching stock and largely influenced the railway companies in their more rapid adoption of electric lighting. Thus did lasting good come out of the hristmas smash of 1910.

# Auktal General Meeting

Me nominations for committee members having been received, the committee as a whole stand for re-election. Fill every member please return the enclosed ballot paper, either direct to the Hon. Secretary, to reach him before the date of the Annual General Meeting, or hand it in to him at the meeting. Please do one or the other.

F. H. Lea, Hon. Secretary.

Date of the Amual General Meeting - Jan. 8th.

# 'T-IXT DE: ALD GLS.Y. y . J. Corrisc.

Some twenty mileslong 'y line at its proadest. guided on the west by the silting bee and on the east 'y the 'Lsy ersey, lies that quai t "tearot spout" of land, the irral. Though ores jurely a ricultural a a still contain some fine farming laid, the forther half is now alrest entirely eccu-, ied 'y the tow s of 'irke head, allasey, -ew rihtch and the low string of rowing townships which for one of the Lain acr itory areas for Liver col. It will surprise to railway lover to lear, that railways have taken a pajor hand in this vast charge. That is sur risi is the variety of different com a les in what is, after all, a very small area. In making a quick review of these various likes I shall take ther one at a time. " i. attent to rai tai a strict chro ological order.

## 1. The ersey ailway.

As the air Liver, ool- irral lik, this sall independent line occupies a major place in the story. Ore ed in 1866, this is haily a underround railway. It comences in Liver och in a low level station 'elow the Je tral termins of the heshire Lines of ittee. Tentral is in the midst of the mai Liver, col sho, in area and is also reasonally convenient for the main L. S. terminal at Line Street. The line innediately falls stee ly i. ti el to Jares Street. Here ald at the corres-.c. ai. irke head static of Harilto Square the ersay is very hear and the stations are reached y high speed electric lifts, for oth lie at a very low level. The new lifts at Hamilton Square were 1 stalled early in the recent war after a casty accident to one of the old fashioned hydraulically operated lifts the it ise. All the regaining ersey stations are near eloubly to the surface to le reached by short stircases. James Street station is in the midst of the Liver coll tusiness area ald withi easy reach of the other 'i Liver col L.I.S. statio . . xcha e. A out half way 'elow the Mersey the line allost violently change from descelding to ascelding. In steam operated days this

switch ack-like feature caused considerable trouble on a class of 2-6-2 tanks with breakates of the rivoted frames of the pony trucks, so much so that when more of the class were tuilt five years later. radial axles were sur stituted for the troublesome ony trucks. eyond Hamilton Square the line divides, the fork to the right cling it steely through turnel, emerging into the open to effect an end-on juiction with the L.T.S. ( irral section) at Park station. Fark is a commodious twin island platform erection, but in view of the recent developments. shortly to be mentiched, only two of the platform faces are regularly in use. The Hamilton Square-Fark tu del featured in al unusual: war-time incideit. A German tomb, aimed presuma ly at the docks, missed and, penetrating a street intersection, succeeded in blocking the Mersey Mailway thinkel which had the ill-luck to pass beleath. As a result all energely tus service had to te operated for some north's between Fark and Harilton Square, and for a lo: time after re-opening there was a severe speed restriction at this point. Park station itself was adly dana ed and a two track carriage shed hear was demolished. These, some surface damage at James Street, and a rather amoying "hear miss" in a cutting on the nock Ferry line comprise the entire war dama e suffered by the Mersey.

The left hand fork at Hamilton Square also clim's steadily to energe from turnel into a deer cutting at irkeshead Jestral. Sestral is the headquarters of the line. It is a three platform station with extensive stora e and repair sheds and a small endine shed where is housed the one steam loco. of the Hersey, used on permanent way work. A short turnel brings the line to Green Lame, itself partly in tunnel, and another short tunnel followed by a deer cutting with the line rising steeply, brings the Mersey into the open alemside the joint lines of the L. .. S. - G. ..., from irke head (codside) to Mester. There is a physical commection here, used for 'allast trails, etc., and the joint tracks are paralleled into Lock Ferry where the Mersey has a two platform terminus adjacent to the main line station.

Though an electric line for most of its career,

the steam en ines of the Hersev are well worth mention. The line abounds in gradients of 1 in 27 and 1 in 30, and to work traffic smartly outstanding en ines were provided. Teyer, Peacock supplied Line 0-6-4 tanks for the opening. These had outside frames and bearings for the coupled wheels. iside cylinders 21" x 24" - at that time the largest in the country - 4' 7" drivers and a boiler

pressure of 150 l's. per square iich.

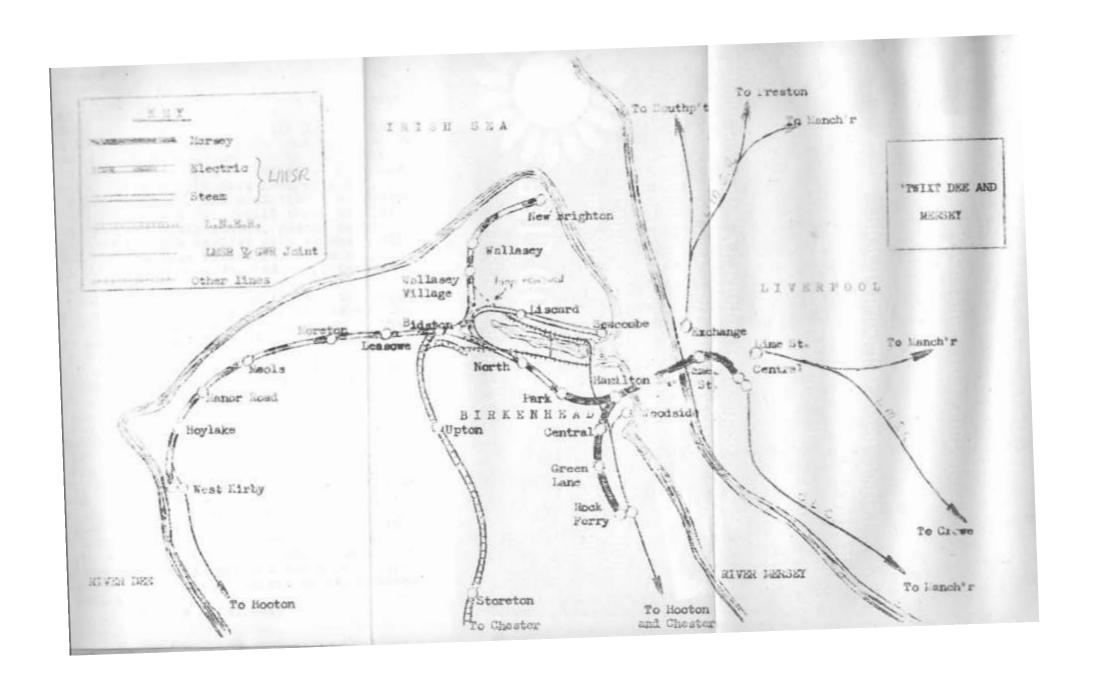
These were followed in 1887 by six more remarkable talks of the 2-6-2 wheel arragement, again by eyer, Peacock. These are historic in being the first 2-6-2 talks to 'e used in ritain. They had inside frames, outside cylinders 19-1/2" x 36", 4' 7.1/2" driving wheels, and a aim 150 l's. ressure. In 1892 Kitson and To., built three similar locos., but, as previously stated, radial axles were su' stituted for the earlier poly trucks. All of these two classes were fitted for condensing and, except for weather - cards, had no protection for the el illenet.

In charging from steam to electricity, the Hersey would a pear to have one to America for ideas. The old stock is of unistaka le American ori in. The coaches are large, of square section with clerestory roofs and end doors, opening inwards - very like fairly early Americal Full als. The later coaches have here modern outlines with rounded roofs, large wildows and ritish pattern to ies, but otherwise retaining many of the ori inal features. Shortly after the outlineak of war, the internal fittimes of the cld coaches were prought into line with the new. The stock is very confortable 'ut the time would seen ripe for complete re-equipping of the line with modern stock having better positioned doors, for in station work, the Mersey trains compare but poorly with their na Lificently modern Leight ours.

In conclusion, a short note on simalling. At wock Ferry lower quadrant semapheres are in use, and at the L. S. eld of Park, upper quadrant semahores. Alsewhere the simals are two-aspect electric. A charge over to multi-aspect would, however

seen very desirable.

(To be continued)



Bradford My. ircle 1st.A. iversary - 18/10/46.

The lircle celebrated its first a liversary on Friday, 18th. Octo er 1946. The proceedings were oneled by a speech from Mr. Lea, who welcomed the presence of our President, Mr. Tlowerdew, and briefly reviewed the pro ress of the lircle since its first meeting twelve months a c. mecalling the distinctly chilly atmosphere of that meeting he went on to reiterate how the society had one from strenth to strength, and said that one of the him li hts was undowntedly the part we played in the Leeds and radford hailway 'enterary celebrations. In this commection he once a air thanked the railway company, through ir. Flowerdew, for the help they had livel to make our efforts a success.

I his reply, the President said that a hirthday was all occasion when one looked forward as well as lack, and he cace more assured us that the L.I. S... would do everythi: they could to help us it. the future. He said that he read the "lircular" every Lo. th a.d thou ht that our activities were extremely creditable. Referring to modern coaching stock, mentioned by Mr. Lea in his opening remarks. Ir. Plowerdew recalled having seen a model In. coach around the exhibits on show at the opening of the clul room, and how in torld ar I, when he served in the hoyal In iteers, he had the prototype of this vehicle, Lo.121, as all ar ulaice coads on his railway. It was now running on the Military hailway at Lon moor, painted in S. h. green.

Mr. Mutten would up the speeches saying that it would always be a natter of regret to him that he was not a foundation member of the Circle, but that he did appreciate the holour conferred on him in his a pointment as Vice President. Rejarding the activities of the Jircle he thought the lectures had been marvellous, concluding by noting the great

interest shown us by the mail line railways.

A railway quiz followed, it which a tear of married members defeated a team of simple members by 25 points to 24, the meeting coming to an end

with an excellent spotting competition devised by Mr. Lea, in which tel locomotive or train phototrains were passed round for identification. This resulted in a win for "r.D. utterfield with 100 per cent correct answers.

### "lanous Ta k Line lasses"

The speaker at the last October meeting, held on the 30th, was Mr. harles Hutton. He cornerced by sayi. that very often express tender emiles were the nost popular, but tank entires were also very interesting and had a long life.

The first design to be described was a class of 4-2-48 desi ned for the ristol and xeter hailway in 1853. These endies had driving wheels of no less a diameter than 9'-0", and one was reputed to have attained a speed of 80 m.r.h. down Fellimton

back, but this he thought was dou! tful.

-ext the L. S. ... "Terrier" class, the"" class 0-4-2s and harle Tarsh's famous class "I3" 4-4-2s were dealt with, and in turn, Stirling and Ivatt desi as of the G.L... en 2-4-2s of the L. .... the L.Y. . 2-4-2s, the various tank el ile designs which had played such a his part it. Scottish locomotive history, and so to modern times, examples of which were the L. ... classes V1 and V3 : 2-6-2s and 2-6-s of the L. S. and 2-6-2s of the G. ... A beautiful sauge O model of one of the latter was on exhibition, kindly loaned for the occasion by Mr. L. H. Halliwell.

A Lost instructive discussion followed this talk which had been of the same high standard that we have come to associate with Mr. Hutton, and altogether the neeting was highly successful.

"The Levelopment of the ailways in the radford listrict"

A very interesting paper on the development of the railways in our locality was read to the Circle on the 13th. Loventer by Tr. J. T. entley.

Using large scale mass, the speaker showed us

how, from 1894, when the Leeds and null hailway land hed a scheme which evertually resulted in the Leeds and Selly line, the years up to 1909, which saw the opening of the first portion of the Midland route via Thornhill, witnessed the growth of the present day complicated railway system in the Yest widing.

Ance st the lesser known facts brought to light was the opening of the Leeds fertral station by the L.M. . . . in 1854. Of schemes which came to nought, the one which projectly would have had the most far reaching consequences was the project Midlard like from the south intended to link up with the existing like into lorster Square station, thus putting leadford on a through route, north and south.

The history of our "own." Leeds and radford ailway was fully dealt with, and "r. entley stated that it was enerally relieved that the sale of this line to the ridland ailway was one of the mail contributory causes of the dewnfall of Geore Budson, the "Lailway Kin.".

Other items of i terest included the somewhat tortucus route by which the G.M.A. first cailed access to Leeds and radford.

The proceedings concluded with a discussion.

### LOOKILG ALLAD

eduesday, Dec. 11th: A talk by Tr. G. ... James
on "The Locomotives and holling Stock of
the Somerset & Porset hailway", at 7-30.

bedlesday, lec. 25th: hrist as lay. The neetile has leed transferred to:

Molday, Dec. 30th: A Paper by Wr. J. Thorrhill on "The Smith Confounds", at 7-30.

l'edlesday, Jal. 8th: ALUAL GLI AL TILG, at 7-30. (See lote on page 10)

Dec. 31st - Jan. 8th: Dr. Jare.

Bradford Railway Circle The Centre, Manningham "tation, Bradford.

President: R. C. Flowerdew, Esq. Vice President: Charles Hutton, Esq.

Hon. Cecretary: Ir. F. H. Lea,

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