

## A REPORT ON THE C.M.& H. BUS LINE

Ву

CYRUS HOSMER, JR.

and

WALTER HENRY RIDLEY

For

JOHN F. LOVELL

Concord, Mass.

December 12, 1924.

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Ridley & Hosmer, Consulting Engineers.

Concord , Mass.
December 12,'24.

Mr. John F. Lovell, Treasurer,
Lovell Bus Lines, Inc.,
Maynard, Mass.
Dear Sir:-

We herewith submit the report on the Concord, Maynard, & Hudson Bus Line, which you requested in your letter of October 9, 1924.

This report is lacking in detail due to our inability to get exact figures concerning the operation of your bus line. We feel that more time and research work is necessary to get a real definite report.

Respectfully submitted,

Walter & Ridley Cyros Horner, p. COPY.

LOVELL BUS LINES, Inc.,

Maynard, Mass.,
October 9, 1924.

Mr. Walter H. Ridley,
Mr. Cyrus Hosmer, Jr.
Concord, Mass.
Dear Sirs:

I have been asked by the Massachusetts Motor Bus Club to furnish them with a complete report of the Concord, Maynard, and Hudson Bus Line for ten months beginning January 1,1924. Sometime ago you suggested writing such a report; if you are still at liberty to do this, I would appreciate your starting work as soon as possible.

Very truly yours,
(Signed) John F. Lovell,
Treasurer.

REPORT.

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REPORT ON THE CONCORD MAYNARD & HUDSON BUS LINE.

#### INTRODUCTION

#### Purpose.

The purpose of this report is to secure complete information concerning the Concord Maynard & Hudson Bus Line for a period of ten months beginning January 1st, 1924. Having done so, we have compiled this information in such a way as to determine the Bus Line's condition financially and otherwise.

#### Scope.

This report includes the history of the above named Bus Line, the territory in which it operates, and its standing in same. A general comparison with other bus lines is made. The report also considers the probibility of the future success of this company and the present and future benefits to the communities in which it operates.

#### Method.

We inspected the various books of the company in person, thus obtaining actual figures which have to do with the operation of the busses. Several visits were made to the company's headquarters, during which a survey of the property, equipment, and rolling stock was made. We have read extensively about bus line operation in magazines, from which various clippings have been taken and included in this report.

#### SUMMARY

#### Statement of Problem.

The problem in this report was to determine the financial condition of the C.M.& H. Bus Line as well as its standing in the communities served by it. Solution of the Problem.

A study of the problem has lead us to conclude that the standing of the bus line in the various towns was very favorable. The financial condition, however, is unsatisfactory, due mainly to very inefficient operation. This was discovered thru an investigation of the bookeeping methods of the company, of the bus-records of the company, and of the method of fare-collecting used by the company.

#### Recommendations.

We recommend the following:

- (1) that speedometers be installed on all busses;
- (2) that an accurate individual bus-, record be kept;
- (3) that a more standardized system of bookeeping be installed;
- (4) that a new system of fare-collecting be put into operation as explained on page 22 of this report.

#### BODY OF REPORT

## History of the Company.

The Concord Maynard & Hudson Bus Line is an off-spring of the Woburn & Reading Bus Line, which was incorporated Aug. 21, 1919. This parent line operated busses in the towns of Woburn, Reading, Wakefield, Burlington, and Wilmington from September, 1919, until January 1, 1923, when it turned over its entire business, including busses and all, in these towns to the Eastern Massachusetts Street Ry. for a fair price paid by the latter.

During January 1923 the Woburn & Reading
line started running busses between Maynard and Acton,
and a month later from Maynard to Concord, having secured permission from the towns concerned to do so. In
April of the same year busses were operated from Concord through Maynard to Hudson. It was from these towns
that the line took its name, by which it has been known
ever since.

However, on February 18, 1924 the name was changed to Lovell Bus Lines Inc., the reason for this

being that under this name busses could better be run to towns other than Concord, Maynard and Hudson. An illustration of this was the extending of the main route to Clinton on September 8, 1924.

A brief summary of the growth of the parent company and its off-spring can be had by referring to Appendices A, B, C, D, and E, which are the statements of condition to date.

## The Nature of the Company's Business.

Although the real name of the company has been discussed above, we will make all references to the C. M. & H. Bus Line. This company is now engaged in carrying passengers in the following towns: Concord, Concord, Junction, Maynard, Stow, Gleasondale, Hudson, Berlin, Clinton, South Acton, and West Acton. The main line, so-called, includes all but the last two towns. On this line busses run hourly from 6:30 A.M. to 11:30 P.M., from Maynard. On the Maynard-South Acton-West Acton line, they run according to certain designated hours according to time-table. Since to give the complete time-table here in the text would be very confusing and difficult, we have entered that as Appendix F, which can readily be referred to if desired.

Outside the scheduled trips there are special trips for (1) school-children; Two extra busses are needed each morning and afternoon to take high school pupils from Concord Junction to Concord and back, a distance of about two miles; the Town of Acton has contracted to use two busses each school day to bring pupils in the rural districts to the grammar schools, these busses covering about fifty miles a day.

Under (2) come the workmen specials which run in the morning, noon, and night to carry the mill-help to and from the mills in Maynard, South Acton, Hudson, and Clinton.

Then come (3) the misce Maneous special trips run for those who so desire for a nominal charge per mile. In the summer and fall months, busses are chartered to carry the Maynard baseball team and followers to their out-of-town games, for example, or picnic crowds to the beaches. Since these special trips occur usually on Saturdays or Sundays when the schools and sometimes the mills are closed, the rolling stock of the company is kept moving most of the time. During the winter, the lodge-meetings in the various towns help keep the stock arolling; traffic is heavier, and the schools are open

besides.

The minimum fare charged is 10¢ for everybody except school-children, who ride at half-fare on school-days, and workingmen, who may ride at slightly cheaper rates through the use of commutation tickets. At the western end of the line these tickets have proved to be very satisfactory, the percentage of workingmen using the busses there being greater than on the eastern end. However it was just recently that this priviledge was extended to the Concord end of the line. A fare-schedule, and sample tickets in Aps. G & H.

The method of fare-collection is to pay-asyou-enter the exact fare to your destination. No receipts
are given upon payment of fare, so the driver has to
depend solely upon the honesty of the passenger.

In order to operate busses in the various towns the company must get permission from the towns concerned each year. In some of these towns a bond must be deposited through the selectmen.

The busses are used for carrying the Boston evening papers to Maynard from Concord, thus getting the news which left Boston at 2:30 in the afternoon to Maynard by 3:30. There is, of course, a small charge for this service.

Whenever possible the busses meet the trains; this accommodation is greatly appreciated by the residents of the towns which have poor railroad service or none at all. The schedule of the busses is now so arranged so as to meet certain trains in the various towns each day barring unavoidable delays, but in doing this the regular service has to be slightly altered, and usually means making up the time lost in so doing.

During the winter, the busses are equipped with snow-plow attachments, by means of which the lines are kept open and schedules maintained. In the past, this has been done very satisfactorally with much less modern equipment than they now possess.

## Facts about the Towns Served by the Bus Line.

An examination of the map (Appendix 0) will give the relation of the aforesaid towns to one another, and the routes the busses travel to reach them; a table showing the relative population of these towns is also in the Appendix under the heading Appendix I. A few facts about these towns follow, each community being taken up separately.

#### CONCORD.

Concord center marks the eastern terminus of the line. It is a town of 6500 inhabitants and is well served by the Fitchburg Division of the Boston & Maine Railroad, also by one train a day each way on the Lexington Branch of the same road. The Middlesex & Boston Street Railway run busses at certain scheduled hours from Concord to Arlington Heights, via Bedford and Lexington. These busses do not run as often as do those of the C.M.& H., but on certain trips both lines arrive at Concord at the same hour, thus giving practically continuous passage into Boston from Maynard and other towns west at a rate much cheaper than that of the railroad.

There are no mills or large business houses in Concord Center, it being largely a residential town. It does have a large high school, which necessitates running extra busses for carrying pupils.

In order to get some idea as to the geographical location of this town, we might add that Concord
is 18 miles directly west of Boston on the Mohawk Trail
automobile route. It is on the Sudbury and Concord Rivers.

#### CONCORD JUNCTION.

Sometimes known as West Concord, this village breaks up the 6 mile gap between Concord and Maynard. It comprises about one-third the total population of Concord yet only about one-sixth of its area. As its name implies it is at the junction of two railroads: the Fitchburg Division of the Boston & Maine and the Lowell-Mansfield Division of the New York, New Haven & Hartford. However the service rendered by these railroads is comparatively poor, and the people are obliged to the hard Concord this village has one train a day each way on the Lexington Branch, which terminates at the Reformatory. The distance from Concord Center to Concord Junction is about two miles.

Concord Junction is a small industrial center, having a woolen mill, a chair factory, a foundry, a harness and leather goods shop, and a few other small plants.

#### MAYNARD.

This is a mill-town of some 7100 inhabitants.

The American Woolen Company has a large mill here and employs some 500 men and women . The town is

Branch of the Boston & Maine Railroad. Train service is not exceptionally good, however, the people using South Acton and Concord stations for going to Boston or more distant points. This is made possible since busses run from Maynard to South and West Acton as well as to Concord, Hudson, and Clinton.

The headquarters of the Company are located in the town of Maynard, this being the central point.

STOW.

One of the connecting links between Maynard and Hudson is the town of Stow of 1100 people. This village has no station on the Marlboro Branch of the Boston & Maine, the nearest one being Lake Boon about three miles distant. Hence the busses are practically the only public carrier the residents of Stow have.

Stow is three miles west of Maynard, and, on what was once known as the Fitchburg Turnpike.

#### GLEASONDALE.

This is a very small village and part of the town of Hudson. It has railroad-stations on two Boston & Maine lines (Marlboro Branch and Central Massachusetts), but the trains are few and far apart; here again the busses are the main means of travel as they

run at least hourly towards Hudson and Maynard.

There is a small factory located here in Gleasondale, which accounts for some of the passenger traffic handled in this vicinity.

#### HUDSON.

Hudson is another industrial center, having a rubber factory as well as some small plants besides. Like Gleasondale it is on the same two rail-roads, enjoying the same kind of service. The Boston & Worcester Electric Air Line have a branch line extending from Marlboro to Hudson which makes good connections with the C.M.& H. busses at the latter terminal.

This town has a population of about 7600, and is 6 miles from both Maynard and Clinton.

#### BERLIN.

A very small town is this village of Berlin. It is of about 900 inhabitants, has no industries, and one railroad-station. It depends largely upon the C.M. & H. busses for its transportation.

#### CLINTON.

This is by far the largest town served by the

C.M.& H.Bus Line. It has many business houses and manufacturing establishments. Two Boston & Maine Railroads—
enter the town, but only one competes with the bus line
in any way; that is the Central Massachusetts, which
takes in such towns as Berlin, Hudson, and Gleasondale.
This railroad also includes Worcester, hence making it
possible to get from that city to towns east served by
the busses.

It is at this Clinton end of the line that working-men's commutation tickets are used mostly.

SOUTH ACTON.

The town of Acton includes South, West, East, and North Acton and Acton Center. The bus line just operates in the first two of the above named districts. South Acton is a mile and a half from Maynard in a north-easterly direction; it is on the Fitchburg Division and Marlboro Branch of the Boston & Maine and has pretty good train service. There are two mills in this village.

WEST ACTON.

This town is also on the Fitchburg Division, but does not have as good service as does South Acton. It is more of a residential town and borders the South

Acton and Boxboro. The good service rendered by the busses insures good transportation to the West Acton townspeople as well as to the rural inhabitants.

#### The Company's Equipment and Facilities.

At present the company owns 11 busses, 2 trucks, and 2 taxies, and has complete facilities for housing and repairing same. Most of the motor-busses are new and modern and carry an average of 25 passengers, being typical of the type used for short hauls. The company has a variety of truck-makers, as can be seen by refering to Appendix J, which lists the trucks and various facts concerning them. We have attempted to show the type of bus that predominates by a few cuts, which we entered in the Appendix under K.

The repair and machine shop is very well equipped, so that no work on the trucks has to be done outside. Overhauling is done here as well as all emergency cases; brakes are relined and valves ground. Batteries are even repaired and charged. There is a compressed air tank for inflating tires. Plenty of gas, oil, grease, and alcohol are kept on hand as are also repair parts, tires, tubes, and chains. The company does all its own painting and also outside paint jobs.

In the rear of the machine shop is the boiler-room, which supplies the entire building with steam=heat. The building covers about 90,000 square feet floor space and is a single story structure about 25 feet high, hence requiring a large amount of heat. The temperature does not have to be kept very high, but at point so as to keep the trucks warm, thus insuring quick starting in cold weather. The company has housing facilities to hold at least 25 busses. The garage is of fire-proof construction, being made of brick with a fire-wall inside dividing the bus-storing quarters from the machine shop and the office. Fictures inside and outside were taken and will be found under Appendix L.

### Officers.

The officers of the company include the following:

Mary C. Lovell, President,

John F. Lovell, Treasurer,

Ethel M.D.Fayton, Secretary.

These officers are elected for term of one year.

Labor.

The company employs 9 men as drivers of

the busses, 2 men as repairmen, 1 for general duty, 1 foreman, and 1 bookeeper, a total of 14; all work nine hours a day with the exception of the bookeeper who works six. None of the employees belongs to labor unions.

#### Insurance.

All of the busses are insured against public liability, property damage, and accident, the cost of which amounts to a very large sum each month. The insurance company requires that each driver carry with him a pad in the form of a brief questionnaire to be filled out by persons injured in or witnessing an accident. Upon the driver's arrival at the company's headquarters, a more detailed questionnaire is filled out in duplicate, the original being sent to the insurance company's claim division, while the other is retained by the bus line. Samples of these forms are given in Appendix M.

### Operation.

The company has rendered very good service to the towns which it serves, hence in this respect the operation is efficient. As regards the cost of operation,

it is a difficult problem to determine whether the maximum benefits to the company are being obtained or not. We have had access to all the figures (accounts, mileages, receipts, expenses, etc.) that were available at the company's headquarters, and from these have attempted to get a definite relation between cost per bus-mile and income per bus-mile, but the necessary figures for this relation could not be obtained except in round numbers. As such, they were of no definite value, although we have based our conclusions and recommendations on what we did obtain in the line of figures. Appendices A, B, C, D give the statements of condition of the original company and the present company upto January 1, 1924. Appendix E gives the same on November 1, 1924. A study of D and E shows that both Notes Payable and Accounts Payable have increased rather unproportionately compared to increases in the other items. The Accounts Receivable have shown a small increase, however. The most outstanding item is that of surplus which has decreased by an amount of \$2900. It is out of the surplus that the loss from operation is taken, or which is increased when there is a

profit from operation; hence from these statements it would appear that the company is operating at a deficit.

We have compared the income and cost per month before the extension to Clinton was put into effect with the same afterwards, and find that it has benefited the company rather that placed an increased burden upon it.

Thus the efficiency of operation from the company's standpoint is not very favorable, there being a great chance for improvement.

#### CONCLUSIONS

Maynard, & Hudson Bus Line, we conclude that it has established a favorable reputation in the towns which it serves; its equipment, rolling stock, repairing and housing facilities are in first-class condition; its financial standing is non-too-favorable, due to the inefficiency of operation, which in turn is due to the comparative newness of using the motor-bus as a means of transportation; the prospects of future success by the company are favorable.

#### RECOMMENDATIONS

We therefore recommend that:

- (1) speedometers be put on all busses and kept in running condition;
- (2) an accurate individual bus
  record be kept (preferably on a printed form) to include
  such items as gas, oil, miles, drivers, runs, receipts,
  number of passengers carried, repairs, tires, and remarks.
- (3) a more standardized system of bookeeping be installed to surplant the very inefficient system now in vogue.
- (4) the pay-as-you-enter system of fare-collecting be abolished, and a system by which a printed check be given the passenger upon entering the bus showing just where he got on, this to be surrendered by him to the driver when his destination is reached, and the proper fare paid upon leaving.

Respectfully submitted,

Cyner Hosmer, Jr. Walter H. Ridley. APPENDICES.

## Appendix A.

C. D. 182. 6-24-75,000 A 298

1

## ABSTRACT OF CERTIFICATE OF CONDITION UNDER THE

Incorporated under the laws of	Name of Corporation,	n and 1	Rea	ding 1	Bus Line.	Inc.	_
Use Statement							
When Certificate was filed.  Date of Annual Meeting.  Date of Statement.  Dec 31,1920  PREFERRED STOCK  Common STOCK  Capital stock authorized with par,  Capital stock issued with par,  Capital stock pald in with par,  Par value of shares,  Number of shares,  Number of shares authorized without par,  Number of shares sisued without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  7654  Notes payable  Accounts receivable  Accounts receivable  Cash  Accounts receivable  Accounts receivable  Patent rights  Trade-marks  Good will  Dec 31,1920  PREFERRED STOCK  COMMON stoc							
Date of Annual Meeting,  Date of Statement,  Dec-31,1920  PREFERRED STOCK  Common STOCK  Capital stock authorized with par,  Capital stock issued with par,  Capital stock paid in with par,  Par value of shares,  Number of shares,  Number of shares suthorized without par,  Number of shares paid in without par,  Number of shares paid in without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  7624  Notes receivable  Accounts receivable	Incorporated under the laws of	Massa	chu	setts			-
Date of Statement.  Dec 31-,1920  PREFERRED STOCK COMMON STOCK  Capital stock authorized with par, Capital stock issued with par, Capital stock paid in with par, Par value of shares, Number of shares, Number of shares authorized without par, Number of shares issued without par,  ASSETS Real estate Machinery Merchandise Furniture, fixtures and tools Autos, trucks and teams Tobe 100  Accounts payable Accounts receivable Accounts receivable Accounts receivable Scurities Patent rights Trade-marks Good will  PREFERRED STOCK COMMON STOCK  COMMON ST	When Certificate was filed,			Org. A	lug. 21,19	19.	
PREFERRED STOCK  Capital stock authorized with par,  Capital stock issued with par,  Capital stock paid in with par,  Par value of shares,  Number of shares,  Number of shares issued without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Notes receivable  Accounts receivable  Accounts receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  Trade-marks  Good will  Capital stock (include only shares with par value)  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  without par value  Without par value	Date of Annual Meeting,						-
Capital stock issued with par, Capital stock issued with par, Capital stock paid in with par, Par value of shares, Number of shares, Number of shares authorized without par, Number of shares paid in without par, Number of shares paid in without par,  ASSETS Real estate  Machinery Merchandise Furniture, fixtures and tools Autos, trucks and teams Notes receivable Accounts receivable Accounts receivable Cash Securities Patent rights Trade-marks Good will  ACCOUNTS PARCEL  MONTEGARE SEQUENCE VICTURE AND SHARES WITHOUT PARCEL  ACCOUNTS PARCEL WITHOUT PARCEL  ACCOUNTS PARCEL WITHOUT PARCEL  ACCOUNTS PARCEL WITHOUT PARCEL  ACCOUNTS PARCEL WITHOUT PARCEL WITHOUT PARCEL  ACCOUNTS PARCEL WITHOUT P	Date of Statement,	ec-31-,1	92(	J			
Capital stock issued with par,  Capital stock paid in with par,  Par value of shares,  Number of shares,  Number of shares authorized without par,  Number of shares paid in without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Notes receivable  Accounts receivable  Surplus  Profit and loss  Without par value  Shares  Without par value		PREFER	RED	STOCK	COMMO	ON STOCK	
Capital stock paid in with par,  Par value of shares,  Number of shares,  Number of shares authorized without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  AUDO  AU	Capital stock authorized with par,	none	1			5000-	
Par value of shares,  Number of shares,  Number of shares authorized without par,  Number of shares issued without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Notes receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  Autos, trucks  Sood will  Trade-marks  Good will  Autos, trucks  Sood will  Autos, trucks  Autos, tr	Capital stock issued with par,						
Number of shares,  Number of shares authorized without par,  Number of shares issued without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Notes receivable  Accounts receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  Sumber of shares authorized without par,  LIABILITIES  Capital stock (include only shares with par value)  * 5000  Mortgages  Accounts payable  Notes payable  Notes payable  Reserves  Surplus  Profit and loss  without par value	Capital stock paid in with par, .						
Number of shares issued without par,  Number of shares issued without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Accounts receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  AUTIBILITIES  Capital stock (include only shares with par value)  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  without par value  Without par value	Par value of shares,					100 -	-
Number of shares issued without par,  Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools Autos, trucks and teams  Accounts receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  ASSETS  LIABILITIES  Capital stock (include only shares with par value)  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  without par value	Number of shares,		:			50	
Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Accounts receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  ASSETS  LIABILITIES  Capital stock (include only shares with par value)  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  without par value							
Number of shares paid in without par,  ASSETS  Real estate  Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Accounts receivable  Accounts receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  ASSETS  LIABILITIES  Capital stock (include only shares with par value)  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  Without par value  Shares  Without par value							
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Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Notes receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  Without par value  * 5000  * 5	ASSETS	3		LI	ABILITIES		
Machinery  Merchandise  Furniture, fixtures and tools  Autos, trucks and teams  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  Securities  Patent rights  Trade-marks  Good will  Mortgages  Accounts payable  Notes payable  Reserves  Surplus  Profit and loss  without par value	Real estate	\$		Capital st	ock (include only	. 5000 -	
Merchandise Furniture, fixtures and tools Autos, trucks and teams Notes receivable Accounts receivable Cash Securities Patent rights Trade-marks Good will  Accounts payable Notes payable Reserves Surplus Profit and loss without par value	Machinery				3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONTRACTOR OF THE PARTY OF THE	
Furniture, fixtures and tools Autos, trucks and teams  -7624  Notes receivable  Accounts receivable  Cash  Securities  Patent rights  Trade-marks  Good will  -7624  Notes payable  Reserves  Surplus  Profit and loss  without par value	Merchandise						
Autos, trucks and teams	Furniture, fixtures and tools	300-		a name and a			
Notes receivable  Accounts receivable  Cash Securities  Patent rights  Trade-marks Good will  Surplus  Profit and loss  without par value  Shares	Autos, trucks and teams	7624-		0.000		2.00	
Cash	Notes receivable			The second second			
Cash	Accounts receivable	50		Profit and	loss		
Patent rights Trade-marks Good will	Cash	30			Shares		
Trade-marks	Securities			without	par value	THE REAL PROPERTY.	
Good will	Patent rights			A THE			
Profit and loss		3576	 -=- <b>=</b> -				
TOTAL \$11550 TOTAL \$11550 _	Profit and loss	\$11550		TOTAL	L	11550	_

## Appendix B.

C. D. 182. 6-24-75,000 A 298

## ABSTRACT OF CERTIFICATE OF CONDITION UNDER THE

BUSINESS CORPC	RATION I	_AW OF	MASSAC	HUSEIIS
W				
Name of Corporation,	W. & R	.Bus Li	ne	
Location,				
Incorporated under the laws of				
When Certificate was filed,				
	eb. 18,19	922		
Date of Annual Meeting,	00. 57 00	7		
Date of Statement,	ec.31,192	<u></u>		· · · · · · · · · · · · · · · · · · ·
tunier en en en en en en	PREFERRED	STOCK	соммо	ON STOCK
Capital stock authorized with par,				
Capital stock issued with par,				
Capital stock issued with par,				
Capital stock paid in with par, .		NO CHA	NGE	
Par value of shares,				
Number of shares,				
Number of shares authorized with- out par,				
Number of shares issued without par,				
Number of shares paid in without par,				
ASSETS		LIAB	ILITIES	1/3/1
Real estate	\$	Capital stock	(include only par value) .	s 5000
Machinery		Mortgages .	par value) .	3000
Merchandise	400	Accounts pay	able	1878
Furniture, fixtures and tools	9700	Notes payable		3145
Autos, trucks and teams	3700	Reserves		
Notes receivable		Surplus		
Accounts receivable	82	Profit and los	s	
Cash			Shares	
Securities		without par	r value	
Patent rights		13,8		
Good will	284I			
Profit and loss				
TOTAL	\$13023	TOTAL .		13023

## Appendix C.

C. D. 182. 6-24-75,000 A 298

3

## ABSTRACT OF CERTIFICATE OF CONDITION UNDER THE

Name of Corporation,	.& R.B	us	Line Inc.			
Location,						
Incorporated under the laws of						
When Certificate was filed,	March	10,	1923			
Date of Annual Meeting	Jan.	16.,	11			
Date of Statement,	Dec. 3	1,1	922			
	PREFE	RRED	STOCK C	оммо	ON STOCK	
Capital stock authorized with par,						
Capital stock issued with par,						
Capital stock paid in with par, .		- N	O CHANGE			
Par value of shares,						
Number of shares,						
out par,						
par,						
ASSETS			LIABILITIES			
Real estate	\$		Capital stock (include shares with par value)	only	5.5000	.==
Merchandise			Mortgages		4400 843	60
Furniture, fixtures and tools	400		Accounts payable  Notes payable		15057	92
Autos, trucks and teams	33451	20.	Reserves		5451	47
Notes receivable			Surplus		4615	06
Accounts receivable	17	0.7	Profit and loss			
Cash		0.0		Shares		13.072
Securities			without par value			
Trade-marks					1 2 3	
Good will	1500				*	
Profit and loss						
TOTAL	\$35368	05	TOTAL		<b>3</b> 5568	05

## \_Appendix D

C. D. 182. 6-24-75,000 A 298

4

## ABSTRACT OF CERTIFICATE OF CONDITION UNDER THE

Name of Corporation,	Lovell Bu	s Line	Inc.		
Location, Grea	t Road, 1	aynard,	lass.		
Incorporated under the laws of	Öhanged n	ame to	L.B.L.,	Feb.18,19:	2
When Certificate was filed,	Apr. 29,				100
Date of Annual Meeting,	Mar. 21,				
Date of Statement,	Dec. 31	, 1923/			3
4	PREFERRE	D STOCK	сомм	ION STOCK	
Capital stock authorized with par,					
Capital stock issued with par, .  Capital stock paid in with par, .  Par value of shares.		NO CHAN	<u> </u>		
Number of shares authorized without par,  Number of shares issued without par,  Number of shares paid in without par,					
Machinery  Mcrehandice Mot.4. Sup.  Furniture, fixtures and tools  Autos, trucks and teams  Notes receivable  Accounts receivable  Cash  Securities Un. Insurance  Patent rights  Trade-marks  Good will	\$12935 04 1462 98 2041 79 540 57178 22 8871 49 228 433 1973 73	Capital stock shares with Mortgages	Sharea	\$.5000 .5442 72 .21243 94 .3423 33 .22122 7.0	
Profit and loss	\$ 57231 69	TOTAL .		\$57231 69	

## ABSTRACT OF CERTIFICATE OF CONDITION UNDER THE

Name of Corporation,	ovel	Bus	Lines ,	Inc.,		
Location,	Mayna	rd,	Mass			
Incorporated under the laws of						
When Certificate was filed,						
Control of the Contro						
Date of Statement,	rom	Jan.	1924 T	o Nov/	1924.	
	PRE	FERRE	D STOCK	сомм	ON STOCK	
Capital stock authorized with par			(2)	7.		
Capital stock issued with par,						
Capital stock paid in with par, .						
Par value of shares,						
Number of shares,						
Number of shares authorized without par,						
Number of shares issued without par,						
Number of shares paid in without par,						
ASSETS			LIAB	ILITIES		7
Real estate	\$1329		Capital stock	(include only par value) .	\$ 5000	
Machinery	231		Mortgages .		\$	
Merchandise Mat. 4. Sup	231		Accounts pays		7697	83
Furniture, fixtures and tools	19 4388		Notes payable		23502	65
Autos, trueles and teams	4500	+ 15	Reserves			
Notes receivable	106	6 03	Surplus		19215	77
Accounts receivable	24				0152	86
Securities Unfx \$65,	286.			Shares		
Patent rights FARE BOXES.	35		without par			
				LoveLL	6021	50
Trade-marks Cash.	1	6 45	Dep.	of Acc	8158	86
Profit and loss	305					
TOTAL	\$6959		TOTAL .		69509	61

#### Appendix F.

#### FRONT

Maynard to South Acton
Lv. Maynard 6 15 7 00w 8 00 9 30
12 00 1 30w 2 15 400w 5 00w 6 00
6 30w 8 00 10 15w 12 00 Sat. & Holiday
South Acton to Maynard

Lv. So. Acton 6 45 7 45w 8 15 9 45 12 15w 2 30 4 45w 5 45w 6 15 7 15w 8 15 11 00w

West Actom to Maynard Lv. W Actom 7 30 1 50 4 30 5 30 7 00 10 30

Sundays Lv. Maynard 8 35w 9 30w 11 00 1 30w 2 30 4 30 6 30w 7 30 8 00 9 00w 11 20

Lv. Se, Acton 9 00w 10 00w 11 15 245 445 7 15w 7 45 11 30

West Acton to Maynard Lv. W Acton 9 00 10 00 2 00 700 9 30

> KRYPTOK THE INVISIBLE BIFOCALS

CM&H

Bus

Service

Compliments of

# LOUIS PEEL Optometrist

HUDSON OFFICE HOURS
DAILY EXCEPT FRIDAYS
Open Thursday & Saturday Evenings

MAYNARD OFFICE HOURS
MONDAY EVENING
FRIDAY all day and Evening
Mahe your appointment with
A N HODGESS

REAR.

In Effect Sept. 7, 1924. Concord to Maynard leave Concord at 6 30 8 00 and hourly to 11 00 Maynard to Hudson leave Maynard at 550 6 20 7 30 and hourly to 10 30 Hudson to Berlin leave Hudson at 6 25 7 10 and hourly to 10 10 Berlin to Clinton leave Berlin at 6 40 7 30 and hourly to 10 30 Clinton to Berlin leave Clinton at 6 00 and hourly to 11 00 Berlin to Hudson leave Berlin at 6 20 and hourly to 10 20 Hudson to Maynard leave Hudson at 6 40 and hourly to 10 40 11 00 Maynard to Concord leave Maynard at 6 10 7 30 and hourly to 10 30

NOTES
For Party Work call Maynard 36-3

w- Goes to West Acton

Bus leaving Maynard at 1230 arrives
in Hudsen at 100 P.M

From Hudson 1140 and 440 for

Maynard leaves at 1200 and 500



You read and look afar with equal facility, but no one observes that you are wearing bifocals because the usual "lines" are absent. Wear the genuine KRYPTOKS awhile and you will never willingly return to oldstyle bifocal glasses.

## Appendix G.

From	Concord	Concord Junct.	Maynard	Stow	Gleasondale	Hudson	Berlin	Clinton	South Acton	West Acton
Concord	0	10	20	30	40	50	60	80	30	35
Concord Jct.	10	~-	15	25	35	45	55	75	25	30
Maynard	20	15		10	20	30	40	60	10	15
Stow	30	25	10	~-	10	20	30	50	20	25
Gleasondale	40	35	20	10		10	20	40	30	35
Hudson	50	45	30	20	10	•	10	30	4.0	45
Berlin	60	55	40	30	20	10		20	50	55
Clinton	80	75	60	50	40	30	20		70	75
South Acton	30	25	10	20	30	40	50	70		10
West Acton	35	30	15	25	35	45	55	75	10	•

Fare-schedule of the C.M.& H.

Bus Line in cents.

## Appendix H.

1	2		3	4	_ 5	
TWE	LVE R	IDE T	ICKE	T - 60	CENTS	
		BET	WEEN			
CLINTO	ON SQ	UARE	and	ACRE	CORNE	R
	L	ovell B	us Lin	e, Inc.		
THIS TI	CKET	is god	D FO	R TWEI	FTH RI	DE
6	7	8	9	10	11	TE.

1	2	3	4	5	6
Wor	kma	n's S	peci	al Ti	cket
Good 0	12 R	RIDES veen <del>M</del>	FOR	and Gle	r 20¢ ny FARE asondale
	TICKET	CONTRACTOR OF THE PARTY	D FOR	TWELFTH	
7	8	9		10	11

Twelve Ride Ticket - 60 cents

HUDSON SQUARE to McELWAIN FACTORY
GOOD IN EITHER DIRECTION

Good only on trips to and from factory, morning, noon and night
Lovell Bus Line, Inc.

THIS TICKET IS GOOD FOR TWELFTH RIDE

6 7 8 9 10 11

### Appendix I.

Population of the towns in which the C.M.& H. Bus Line operates.

(Taken from 1920 Census)

CONCORD	6461
MAYNARD	7086
HUDSON	7607
STOW	1101
BERLIN	868
CLINTON	12979
ACTON	2162

KIND OF TRUCK	TRUCK NO.	YEAR	PASSENGERS SITTING CAR	CosT	REMARKS
1. GARFORD	1.	1924	22	\$4600	N=w,
2. GARFORD	2.	1923	30	5135.25	14 good condition, Very large,
3. GARFORD.	Э.	1923	30	5023.	
4. WALKER JOHNSON	5.	1922	25	4000	<i>h</i>
5. WALKERJOHNSON	8.	1922	25	4000	, , , , , , , , , , , , , , , , , , ,
6. REPUBLIC	7.	1923 X	25	4025	
7. PIERCE ARROW	10.	1918	22	900	Quite old, used solely for school Children
8. INTERNATIONAL	11.	1923.	14	2609.67	Very small, for special trips.
9. REO	1.	1924	122	5150	Very small, for special trips.
10 REO	2.	1924	122	5150	, , , , , , , , , , , , , , , , , , ,
II. REO	3.	1925	122	5/50	" " " "
12. PIERCE ARROW	12	1918	TAXI	800	Quite old, but good looking.
13. FORD	14.	1924	TAXI	600	New, NOT used much yet.
14. GARFORD	13.	1922	TRUCK	1900	Towing and snowplowin winter.
15. FORD	22.	1922	TRUCK	250	Service can gets parts from Boston
	7	otols	259 8	4929292	

Appendix K.





INSIDE REPAIR SHOP



INSIDE GARAGE



ANOTHER VIEW



General Htility Truck.



# Woburn-Reading Bus Line, Inc.

In case of any accident, HOWEVER SLIGHT, in connection with or near your bus, to persons or property, you will AT ONCE render all necessary assistance, and AT ONCE obtain the names and residences in full of the persons injured and of ALL WITNESSES on or near the bus, then fill out this report and send it in without delay. You must answer fully and accurately the following questions, and also state all other particulars. If two busses are concerned in the accident both drivers must report. All disputes and troubles (which occur on your bus) must be reported as accidents. Any neglect to report will be a cause of discharge. Also report at once upon this blank any defect in any bus or street liable to cause accident.

#### USE INK IN WRITING REPORT

Date of Accident, 192	Date of Report,	192
	М.	
give street number.		
On line running from	to	
Name and number of car, open or Number of passengers on ca closed.	r. Number of names obtained.	
Weather—Fair or Stormy.	Roads-Wet or Dry.	
Name, age and address of persons injured or owner of property.		
Nature of Injury.		
Exact place occupied by Driver and		
moment of accident.		
Ditto of person or property injured.		
Was the Bus standing or moving just before and at moment of acci-	Grade (Up Level	
dent? If moving, how fast.	( Down	
	Hour of Accident, o'clock, Place of Accident, city or town and give street number. On line running from  Name and number of car, open or Number of passengers on caclosed.  Weather—Fair or Stormy.    Name, age and address of persons injured or owner of property.   Nature of Injury.    Exact place occupied by Driver and what doing just before and at moment of accident.    Ditto of person or property injured.    Was the Bus standing or moving just before and at moment of accident.	Hour of Accident, o'clock,  Place of Accident, city or town and give street number. On line running from  Name and number of car, open or Number of passengers on car.  Number of names obtained. closed.  Weather—Fair or Stormy.  Roads—Wet or Dry.     Name, age and address of persons injured or owner of property.   Nature of Injury.    Exact place occupied by Driver and what doing just before and at moment of accident.    Ditto of person or property injured.    Was the Bus standing or moving just before and at moment of accident.    Up   Up   Up   Up   Up   Up   Up   U

Driver to state how accident happened and all about it fully, and all that we said and done by him and the person injured, or owner of property.	ras ion	
		The Party of the P
		4
The second secon		
		3333
		4
		-
Driver's Name	No.	
Residence		

Driver's Name

Residence

NOTICE: Accidents which involve personal injuries, no matter how slight, should be reported by telephone to-

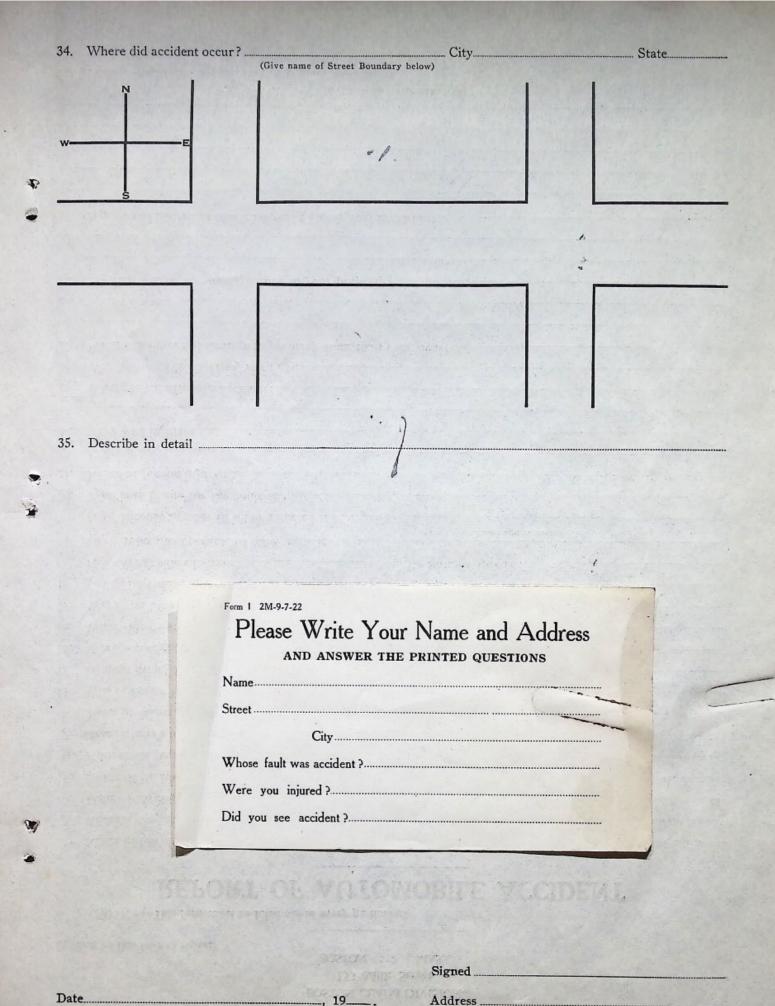
BOSTON CLAIM DIVISION 153 Milk Street BOSTON, - MASS.

Confirm by this written report.

NOTICE-This form must be filled out in every particular.

## REPORT OF AUTOMOBILE ACCIDENT

1.				olicy No.			
2.				State			
3.				M.			
5,				6. Age			
61/2	Address of person in charg	ge of machine					
7.				number			
9.				number			
11.				bile?			
13.		n what direction was the vehicle going? 14. Rate of speed?					
15.				ime?			
16.							
17.	Were you blowing a horn	or sounding a gong at the	time? 18. Were	e all your lights lit?			
19.	(a) If a collision, in what direction was other vehicle going?						
	(d) Who was operator of	f other vehicle?	(Name and Address	s)			
	(e) License number of o	ther vehicle?					
20.	Who is to blame for the c	ollision?					
21.	Name of person injured		22,	Married or single			
23.	Address						
24.	Nature of injuries						
25.	Where taken after the acci	dent?					
26.	Was doctor called? If so,	who?	27. Address	5			
28.	What was extent of damag	ge to property other than you	ur own?				
29.	Owner's name	- 180	30. Address				
31.	To what extent was dama	ge done to your property?					
32.							
33.	Names and addresses of w	itnesses. (This is very impos	ortant).				
				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
-		12/1					
-							



militaria, me ween how in the distributed by the pleasure

### PLACE OF ACCIDENT

	1	West	1	
South				North
		East		

Fill in names of streets nearby, and mark exact spot at which the accident happened.

Mark person or team by a circle (0). Mark location of bus by arrow (-->)

which should also show direction in which bus was going.

Witnesses. (Business and Residence,) Name and Address of those on car or near scene of accident.

1st	7th
2nd	8th
rd	9th
4th	10th
5th	11th
6th	12th

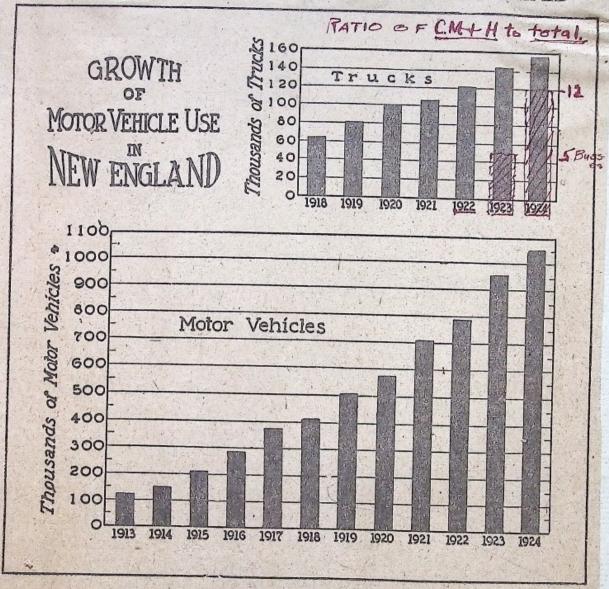
ACCIDENT

Driver No.\_\_\_\_\_
The Driver must not write under this

Injured Preson | Injury Road Date of Accident 192

### THE BOSTON HERALD DECEMBER 6, 1924

HOW NUMBER OF MOTOR VEHICLES HAS JUMPED



In seven years the motor vehicles in New an investment of \$500,000,000. Problems cre-England, including trucks, have multiplied two ated by the great increase in the number of and one-half times, as the above chart shows. motor vehicles will be discussed at the New Foday the number of commercial cars is 158,000, and of all motor units 1,050,000. At conservative market valuation they constitute

4

APPENDIX Q

Mine 3 Figures
Contours despires desperantel desperantelly determined above see howing height above mentally determined and see the surface. con Depu umord ni boinirq) RELIEF Cemeteries Church, Sohn men Atstinguish Menderican Mend nvale stratistical varional de Asald blass escrivering) Bench mark SESI X M B 1 Mao and located co Canal lock U.S.township Dam bas absoft againfund City or Metaledxoad

appear on some earlier maps.

sions; (3) culture (works of man), such as towns, railroads, and boundaries. The conventional significate features are shown below, with explanations.

ing mountains, hills, valleys, and other elevations

canale, swampe, and other bodies of water; (2)

classed in three groups—(1) water, including seas,

o sless and beheilduq gnied era aqam gniltuser edi The features shown on these allas sheets or m

A survey of the Hawaiian Islands was begun

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request.





