

MILLION ROAD FUND

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both the saturation point in motor vehicle ownership and the average mileage per car. The cost of operation per ton mile on the old road should be ascertained and from this should be subtracted the estimated cost of operation per ton mile on the improved highway established by comparative data of operating costs on highways similar to the type or types under construction for the improvement. This method leaves to the engineer the same discretion as he now customarily exercises in selection of design but subjects it to the test of financial justification. This is in cost of traffic operation per ton mile when applied to the total existing and potential increase in ton miles gives the gross annual saving in traffic operation attributable to the improvement.

The rapidity with which the American people are turning to dustless highways is shown in figures recently compiled by Highway's Information Service, New York City. These show, for instance, that during the past eight years five million tons of asphalt—a quantity sufficient for 50,000 miles of roads and streets or double the entire mileage of the Route Nationale, the main highway system of France, have gone into roads and streets in this country. A census of city paving, recently compiled, shows that of 364,901,611 square yards of paved streets in the 196 leading cities of the country, 37,476,345 consisted of surface-treated gravel, 58,412,780 consisted of surface treated water bound macadam, 14,279,494 of bituminous macadam, 26,430,112 of asphaltic concrete, 105,712,821 of sheet asphalt, 59,963,748 of brick, 10,733,695 of Portland cement concrete, 6,259,695 of asphalt block, 10,313,420 of wood block and 37,098,414 of stone block. The percentage ratio to the whole was: Brick 14 per cent; stone block, 10.2 per cent; Portland cement concrete, 2.9 per cent; sheet asphalt, 29 per cent; asphalt concrete, 7.3 per cent; asphalt block, 1.7 per cent; bituminous macadam, 3.91 per cent; waterbound macadam, 16 per cent, and gravel, 10.23 per cent.

The types most favored, not only for paved streets but for improved roads, included not only the asphaltic types but those of brick and macadam. Brick is highly desirable but more costly than some types. Macadam is a satisfactory type when combined with a bituminous binder which makes the road dustless and prevents ravelling. It costs but little more than the old type of macadam because of the fact that the use of sprinkling with water is eliminated. Portland cement concrete is resilient but it forms an excellent foundation for the resilient surfaces. When used with a bituminous filler brick is semi-resilient. Asphalt surfaces have an average life ranging from 20 to 25 years and foundations, if thus protected, should last not less than thirty years. When a foundation is covered with a shock absorbing surface that receives the impact of heavy traffic the base need not be so thick, thus affording a material economy. One authority states that an inch saved in the thickness of the Portland cement concrete will mean \$5,000 saved for every mile of eighteen foot highway built.

Investigation shows that during the years 1915 to 1920 the price of bituminous paving materials increased only 65 per cent while highway labor increased 150 per cent and the price of other road building materials rose from 90 to 150 per cent. Costs of both labor and materials remain on the decline, however, and there is a strong reaction in favor of reduced freight rates. All of this, of course, means cheaper highways.

Canada's Land and Water Area. The total land area of Canada is 3,838,000 square miles; the total water area is 125,755 square miles—that is, the total water area is about equal to one-half the total area of Saskatchewan.

Society

On Saturday of last week Mrs. E. Taft Betson and Mrs. Geo. Thatcher were hostesses at a bridge tea given at the Hotel Eccles. The rooms were decorated with autumn colors and autumn foliage and the dainty tea table was graced with clusters of brilliant leaves. Mrs. Earl Robinson received the card prize. Presiding at the tea table were Mrs. D. C. Judge and Mrs. Marie Christensen. The guests numbered forty.

Mrs. S. B. Clawson of Salt Lake City was the guest of her daughter, Mrs. E. Taft Betson last week end.

Mr. and Mrs. R. G. Thatcher went to Salt Lake Tuesday afternoon, accompanying them were Mrs. C. Clyde Squires and children, Clyde, Jr. and Jean, Miss Nora Ellason and Miss Jennie Hansen, Mrs. Squires and children will leave Salt Lake shortly for their home in New York. Miss Hansen will go with them to spend the winter there studying music.

Last Sunday afternoon Miss Lora Bennion was the honored guest at a tea given by her three sisters, Lavinia, Elma and Erma. The decorations were carried out in shades of purple, asters being grouped about the rooms and arranged on the tea table. They were assisted in receiving by Mrs. Edwin Bennion and Miss Claire Bennion. About fifty guests called during the afternoon.

U. S. Marshall, Mr. Acquilla Nebeker spent last week end here the guest of his daughter, Mrs. L. Monch.

Miss Jennie Hansen has gone to Salt Lake City from which place she will go to New York where she will continue her studies on the cello. Miss Hansen is a very talented player and will no doubt make much progress while away. She has been the motif for several social affairs among the younger set this week, among them a party Friday evening given by Miss Marie Anderson. Fall flowers were used as decoration and games and music enjoyed. Dainty refreshments were served. The guests numbered twelve. Miss Polly Rich also entertained in Miss Hansen's honor on Monday afternoon. The guests were all school chums of Miss Hansen and a most pleasant afternoon was spent in music and games. A buffet luncheon was served.

Mr. Wm. Peterson left for New York on Wednesday, where he will continue his study of music.

Mr. and Mrs. H. A. Pederson came home from California the first part of the week.

Mrs. Fred Taylor and Mrs. L. Tuckfield of Salt Lake City arrived here yesterday and are the guests of Mr. and Mrs. Frank Earl.

Miss Melba Morgan entertained with a troupe tea on Monday from 7:30 until eight o'clock in the evening. She was assisted in receiving by Mrs. Glover of Denver, Mrs. Russell Hertenstein, Mrs. Ralph Hyer and Miss Inuvilla Morgan. Fall flowers were tastefully arranged about the room and on the tea table. About one hundred guests called during the afternoon.

The marriage of Miss Melba Morgan and Mr. Eric A. Johnson was solemnized on Wednesday afternoon in the Logan temple. The young couple left at once for a motoring trip to Colorado after which they will make their home in this city.

The M. B. M. Club met on Thursday evening with Miss Mabel Oldham. A pleasant social evening was enjoyed, concluded with delicious refreshments. There were twelve members in attendance.

A marriage of interest this week is that of Miss Lora Bennion and Mr. Hulme Nebeker of this city. The ceremony was performed at the Logan temple on Thursday morning, immediately following a bridal dinner was served at the Bennion home for the members of the immediate families. Fall flowers and fernery were used about the rooms and the dining table was graced with clusters of roses. The party included thirty guests Mr. and Mrs. Nebeker left at once for Chicago where they will make their home for the present.

On Monday evening the Misses Rebecca Cardon and Harriett Bateson entertained with a delightful social party. Fall foliage and flowers were effectually used as decoration. Marshmallows were toasted before the open grate and a candy pull indulged in. The guests: Mr. and Mrs. Grant Bateson, Mr. and Mrs. Russell Bateson, Mr. and Mrs. Ezra Athay, Mr. Jack Wilson and Mr. Bill Hickman.

Mrs. Mose Thatcher entertained on Friday of last week with a tea in complement to her daughter, Mrs. Chas. W. Woodruff who has spent the summer with her. The rooms were very pretty with a variety of fall flowers. The guests included the members, the Mater, and the patronesses of the Beta Delta Sorority. Mrs. Woodruff left Sunday for Salt Lake where she met Mr. Woodruff and they left for Chicago where he will conclude his study of medicine. Mrs. Thatcher accompanied Mrs. Woodruff to Salt Lake and is expected to return home today.

Dr. and Mrs. E. P. Oldham entertained on last Sunday with a family dinner. The guests included eleven members of the Oldham family.

Mr. and Mrs. Geo. Welch of Salt Lake City were guests of Mr. and Mrs. W. D. McClellan one day this week on their way from Idaho to the State Capitol.

Mrs. N. J. DeSanders is spending this week in Salt Lake City.

Justice to the Bldbug. Many times the leading bug has been accused of transmitting disease, but the investigating scientist at the United States public health service says the bug, apparently has been charged with wrongfully when not guilty, as the pest has no way of getting into the mouth in which to carry germs of any special danger. However, the flies, bees and mosquitoes are convicted of being disease carriers.

NOTICE OF SALE OF FORFEITURE OF MECHANIC'S LIEN ON PERSONAL PROPERTY

Notice is hereby given that the Logan Garage and Supply Co. will sell at the front door of its place of business at the corner of Main and Second North Streets, in Logan City, Cache county, Utah, at 12 o'clock noon on Wednesday the 19th day of October, 1921, at public auction, the following described property: One Saxon Touring Car, motor number 12524, serial number 24994, license number 34330, upon foreclosure of mechanic's lien for work and labor and materials furnished in the repair of said automobile between the 3rd day of August, 1921, and the 5 day of August, 1921 furnished at the special instance and request of Geo. Atanazof, the owner of the said automobile, upon which the amount claimed to be due at the date of the first publication of this notice is \$74.42 which amount has been past due for more than 30 days.

Dated at Logan, Utah, September 22, 1921.

Logan Garage & Supply Company By C. M. Harris, Manager.

Adv-10-5

Men's Work Shoes

Rasmussen Bazaar

Do you know the value of a Goodyear welt Work Shoe? It is worth at least 1-3 more than the McKay sewed or standard screw made shoe, and will wear you twice as long.

We are offering our Z. C. M. I. Goodyear welt sewed work shoes for the same money and even less than other merchants are asking for their cheap McKay sewed shoes. We have a big variety. Your choice for \$3.98 We still have a large supply of Misses and growing girls school shoes, that we are offering from \$1.98 to \$2.98.

Ladies military and high heel Oxfords in black or brown, your choice for \$4.50

H. G. HAYBALL MERCANTILE COMPANY

Are the sole agents for MAYER BROS. WOOLY BOYS CLOTHING. A few of the main reasons why you should buy your boys suit from us.

24 STAR FEATURES IN THIS SUIT



1. Mayer Bros. label in neckband—guarantees dependable clothes value.

- 2. All materials especially selected for their wearing qualities—proper foundation for live boy's clothes.
3. Carefully shaped collar—insures perfect fit on neck.
4. Every lapel carefully sewed and padded—keeps coat in retaining neat shape.
5. Reinforced shoulder pad—prevents sagging.
6. All seams reinforced and overcast—makes for additional wear.
7. Han shaped coat front—retains fine fitting lines.
8. Special strong thread used in every stitch—seams will not rip or tear.
9. Buttons are hand-sewed with strongest linen thread—stay on.
10. All pockets are linen stayed—prevents sagging.
11. All belts and belt loops uniformly finished—look neat.
12. Coat bottoms turned and felled—prevent drooping of lining.
13. Inserted pencil pocket—a convenience.
14. All armholes are taped and sleeves tucked—prevents lining from bulging.
15. Strong strip of wigan on cuff of sleeve—added wear.
16. Every seam is pressed by special ironing machine—guarantee against burning or scorching of material.
17. Watch pocket in waistband—compact and handy.
18. All inside pant seams taped—guards against ripping.
19. Pants full lined—gives double durability.
20. Adjustable buttons at pant bottoms—insure neat fit.
21. Cloth faced reinforced pant pockets—withstand strain boys put on them.
22. Coat designed along advanced style lines—gives desirable manly appearance.
23. Pants fashionably bloused—gives very pleasing effect.
24. Every garment examined carefully three times—insures perfectly finished suit.

Mr. H. G. Hayball who is now in New York City is sending goods every day. Ladies Suits, Dresses, Fall Coats at prices that will surprise you, they are so low.

At The Movies

Lyric Theatre Oak Theatre

TODAY Ethel Clayton in 'WEALTH' Comedy & Topics
TODAY Wm. Farnum in 'The Great Sacrifice' 'Babyhood'

Evil of Discontent. Discontent is the ink poured into water, which fills the whole fountain full of blackness. It casts a cloud over the mind, and renders it more occupied about the evil which disquiets than about the means of removing it.—Feltbam.

Be Patriotic. Attend the Cache Valley Fair Sept. 27, 28, and 29th.

AVTOMOBILE PAINTS

Women are engaged as garage keepers in England.
Ontario is the center of the automobile industry in Canada.
Spain, with a population of 25,000,000, has only 29,000 automobiles.
State governments throughout the Union operate 26,000 public vehicles.
Holland has 10,000 automobiles, only one car in every 200 inhabitants.
Practically all motor trucks in use in England are equipped with wireless.
The total automobile production in Holland was 207 cars and 29 trucks in 1920.
In Kansas and West Virginia an operator of a motor vehicle may be fined ten years old.