

## EXPERIMENTAL ROAD

Large Piece of Work Completed by the Illinois State Highway Commission.

### ITS METHOD OF CONSTRUCTION

**Considerable Difference from That Followed in Building Other Roads**  
—Experimental Macadam Highways.

Springfield, Dec. 31.—The state highway commission has completed its largest piece of experimental work near Beollet. This road differs materially in its method of construction from that followed in the other experimental roads. Its construction was based on the idea that a thick layer of well-compacted clay or impervious earth will if given the proper shape about water and not become muddy or cut through like these roads usually do.

The piece of road constructed is one and three-fourths miles long made by seven sections of one-fourth mile each. The method of construction on the different sections was varied somewhat. One was made by cutting out the center portion of the road until a broad trench eight to ten inches deep was formed for a width of from twelve to fifteen feet. The bottom of this trench was then rolled with the aid of a heavy steam roller into the wheels of which had been set blunt-nosed projections or spuds, so that after the roller had gone over the road it had very much the appearance of a heavy waffle as the spuds filled it full of holes. The rolling was continued in this manner until the spuds penetrated scarcely one-half inch.

**Heavy Pressure Used.**  
The pressure obtained by this method was about five hundred pounds to the square inch—twice as much as the heaviest loads produce even on the narrow-tired wagons. The earth that was dug out of the trench was thrown back and the rolling continued until the center of the road had been built up of compacted earth.

Another section of the road was made practically the same with the exception of cutting out the trench, as this was not believed to be essential. The surface was merely rolled and the material worked in and spread with the road-grader, the rolling continuing all the time that the earth was being spread. Special care was taken of the drainage and the ditches were shaped with sloping sides so as to prevent their caving in.

On another section the spuds were removed from the wheels and the earth was rolled with the smooth wheels. This is not believed to give as good results as where the earth is tamped in with the spuds just described. An exact account was kept of all the work that was done so that the cost would be known, which was found to be a little less than \$300 per mile. If a stretch of eight miles were built at once, the work could be done cheaper.

It is too early to say whether this experiment will be successful—that is, whether the results as proven by the test of a winter's use will warrant spending the much money for the results obtained. As soon as actual use has demonstrated that this is a practical method of construction a detailed description of the work as best way to do it—and the cost will be put into a short bulletin so that the highway officials all over the state may have the benefit of the results of the test.

One hundred dollars toward the cost of this experiment was contributed by the highway commissioners of Belmont township, so that the actual cost to the state commission was very small when the importance of the results is considered.

**Experimental Macadam Roads.**  
Experimental roads have been built this past summer on Oak Island, Carthage, Elburn, Elmhurst, Hillside, Highland, Mendota, Elgin, McLean extension, and the Delta re-routing.

The local communities furnished all the labor cost and paid the freight on the material, except in a few instances where it was arranged that the freight should be paid in kind.

The material for these experimental roads was made either at the Joliet penitentiary or at the state prison at Menard, in the southern part of the state. By this means the most effective plan of cooperation that has been employed in any state is made possible.

There has been no additional cost to the taxpayers at large for the crushed stone. The convict, whether working or idle, cost the taxpayers practically the same. Whatever is produced by their industry is just so much gain to the community.

Preparing crushed stone interferes with no existing industry, as this material is, in almost every instance, used in places where it would not be tried unless it could be secured at an especially low rate. Neither is free labor brought into unfair competition. On the contrary, work for free labor is created in constructing the roads. It is also a plan of co-operation whereby one community does not benefit at the expense of other communities.

The law making this plan possible was passed by the Forty-fourth General Assembly on recommendation of Governor Hogen and is one of the most effective pieces of road legislation that has been enacted in recent years, not only in Illinois, but in any state. Many inquiries are received by

## LAKE ZURICH

We sell as cheap as the mail order houses. A. W. Mejer.

Miss Anna Schaefer spent Christmas with friends at Wauconda.

Mr. and Mrs. L. Dixon are the happy parents of an eleven pound boy.

The Palatine bowling team defeated the Lake Zurich team January 1st.

Many from here attended the New Year's dance at Long Grove, December 31st.

Dick Hollie and family expect to move on a farm north of town in the near future.

Mr. and Mrs. James Stetsinger have gone to Canada to visit with Mr. Stetsinger's relatives.

Mrs. Charles Scholz and son of Chicago visited with her husband's parents a few days this week.

Charlie Homeyer and Dick Elehman who have been employed at Janesville, Wisconsin, have returned home.

Henry Selp who has been on the sick list for some time is reported much better. Mrs. P. Doolittle and Miss Emma Selp of Waukegan who have been at home for a few days returned to Waukegan Tuesday.

The annual meeting of the Elia Mutual Fire Insurance Company will be held in the town hall in this village Tuesday, January 7th at 10 o'clock a. m. Reports of officers and election of directors is the principal business to be transacted.

Rev. J. Heinrich who has been pastor of the St. Peter's church of this place for the past seven years expects to leave in the near future, his destination being Lincoln, Nebraska, where he will have a much larger congregation. Rev. Heinrich has made a great many friends who all wish him much success in his new position.

**QUENTIN'S CORNERS**  
Gillard Frost and wife of Cary made a recent visit at H. Cooper's.

Miss Mary Quentin of Palatine spent the holiday week with her parents.

William Quentin made a flying trip to Chicago on merchandise matters.

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## C. F. HALL CO.

### First of the January Sales.

Thursday, January 2nd, opens the first of our January Sales. According to our usual custom, all goods which we do not intend to carry over, will be placed on sale at close-out prices.

This week, we begin re-modelling our Cloak and Suit Department giving it more space than formerly and, while this may interfere to some extent with customers' convenience, it offers an additional explanation of our desire to close out these goods, even at a loss—we don't want to have to re-handle them.

Read what we are going to do and note the prices.

### Ladies' Department Sales.

Over 200 Ladies' Cloaks and Jackets, (none held in reserve) but big discount on every garment, enabling buyers to save from 1 to 4 Ladies' Capes, over 50 garments, Blacks and Tans, Plushes and Chinchillas, serge and sat. lined, worth up to \$6.00, final price each.....\$4.00

Children's Coats, over 100, any one in stock, Plushes, Wools, Bearskin, Velvets, etc., at 4 former prices.

Skirts—specials, slightly soiled by trying on etc., samples and odd garments at 50 per cent saving.

Lot of Heavy Wool Walking Skirts, worth up to \$2.00, choice, each 50c Heavy Knit, knee length Petticoats and Big Dress Skirts at saving prices.

### Special January Values.

Read every item. Cut down expense by buying at low prices.

50c Fanny Suspenders, in box.....3c Large size, Porcelain Lined Water Pails......50c Double fold Flannellet, per yd. 9c

Special cut prices on Horse Blankets, Underwear—special sale, per garment.....25c

White Caps and Bonnets, in 5 and 10c Department.....10c Sale of Boys' Overcoats, sizes 9 to 20 Men's 5c Canvas Leggings, per pair.....25c

# DANIEL F. LAMEY

## SPECIAL SALE

5 gal. best Gasoline, only.....60c  
25c Peabody coffee, per pound, only.....20c  
65c Fancy Blend Tea, per pound, only.....50c

**Dress goods.**  
We bought a lot of dress goods at a special price. They are bargains at.....12c, 18c, 35c, 50c per yard

**Underwear.**  
We made a big purchase of Underwear at a special job price to us. We can give you some good bargains in Men's, Ladies' and Children's Underwear. All sizes.

**Clothing**  
A large lot of Men's Wool Pants to close out at \$2.00, \$2.25, \$2.50 and \$3.00 a pair.

**Shoes**  
For this sale Ladies' \$2.50 Fine Shoe only.....\$2.00  
Men's \$2.50 work shoes only.....\$2.00  
Big line Children's shoes.



### Talking Machines

Do you want one?  
We sell them so you can easily own one.

## Call on us

The **Barrington Home Bakery**  
Breads, Rolls, Cakes, etc.  
See goods fresh baked  
Bake every day.  
Take goods here.

**E. C. Ankele**  
Buy your **Papers and Magazines**  
of Wilbert C. Naehrer, news agent of Barrington. News stand in the **Bank Building Basement**  
All kinds of good MAGAZINES sold there.

HOURS:  
DAILY 7 a. m. to 9:45 a. m.  
12 m. to 4:30 p. m.  
6 p. m. to 8:30 p. m.  
SATURDAY 7 a. m. to 12:20 p. m.

I started in the meat market business for the benefit of the public (and myself.) We do our own butchering and kill the best that the market affords, and sell at a reasonable price. Your patronage will be appreciated.

# WM. HOBEIN

Dealer in Milk Cows  
Best of Orono's Barber Shop  
**BARRINGTON**

Brightest, Best and Cheapest. Quickest, Cleanest and Most Convenient. Now is the time to order Gas Ranges and House Piping. Lowest Rates, Cash or Payments.  
Northwestern Gas Light & Coke Co.

**GAS LIGHT FUEL**  
Drop Postal or Telephone. Evanson 1 or Park Ridge 13

**Trade \$10 and show round trip railroad ticket and we refund your car fare.**  
Dinner tickets or horse tickets if you drive.

**SPRING LAKE.**  
Mr. and Mrs. Charles Peterson of Spring Lake are visiting at Oshkosh, Wisconsin, with relatives.

Charles Nitz of Elgin spent the holidays at the home of his brother-in-law, Charles Peterson.

Miss Marie Nitz of Algonquin is spending a week's vacation at her home in Spring Lake. She entertained Miss May Farnham of Elgin during her stay.

**Real Fish.**  
The talk around the table shifted to fish and fishing, with the usual consequences.

"What, gentlemen," said the man who was fortunate enough to tell the best story, "the best day's sport I ever had was off the coast of southern California. There were three of us in the boat, each of us had three lines out, and we simply couldn't pull them in fast enough."

"What kind of fish were biting?" asked an indulgent listener.

"I don't know what the natives call them," said the fisherman, "but they were big enough to be leithrosaurus."

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