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THURSDAY - - - - - DECEMBER 5

POPE ON ROADS.

COMMERCIAL IMPORTANCE OF GOOD COUNTRY HIGHWAYS.

The Best Road is the Cheapest—American Roads are Notoriously the Poorest in the World.

SYRACUSE, Nov. 28.—Col. Albert A. Pope of Boston to-day, by request, delivered an address on the subject of roads before the Board of Trade.

It has already been my privilege to speak in your city upon the benefit of good roads to an important branch of trade.

But there is a higher and broader view to take of the whole matter, and we may well consider the importance of good roads to us as Americans, as men of whatever social or business interest, as property-owners, and finally as citizens of our respective localities.

The influence of good roads toward the development and increase in value of the agricultural regions will hardly be questioned.

The advantages of improvements are not confined to the proprietors or to those living immediately upon any road, but are shared by all who avail themselves of the increased facilities.

Agriculture is both directly and indirectly dependent, in a great degree, upon good roads for its success and rewards.

Directly, as these roads carry the production of the fields to the market, and bring to them in return their bulky and weighty materials, at a cost of labor which grows less as the roads become better.

Indirectly, as the cities and towns whose dense population and manufacturing industry make them the best markets for farming produce are enabled to grow and to extend themselves indefinitely, by roads alone, which supply the place of rivers; to the banks of which these great towns would otherwise be necessarily confined.

While, therefore, it might be an inexcusable waste of money to construct a costly road to connect two small towns which had little intercourse, it is equally wasteful, and is a much more frequent shortsightedness of economy, to leave unimproved, and almost in a state of nature, the communications, between a great city and the interior from which its daily sustenance is drawn, and into which its own manufacturers and merchandise are conveyed.

The prosperity of any city depends largely upon the surrounding country, and the better the road facilities, the faster the country will grow in population and the more business the city will have in supplying their wants.

Some of the advantages thus to be attained have not long since been well summed up in a report of a committee of the English House of Commons:

"By the improvement of our roads every branch of our agricultural, commercial, and manufacturing industry would be materially benefited."

on this subject, at the Institution of Civil Engineers, remarked: "In the present condition of the country, it is of vast importance to reduce the cost of transport to the utmost. If by the improvement of the rural roads, four horses could be enabled to do the work of five, the saving of the country in agricultural horses would not be less than seven million a year."

A mile of good macadamized road is more easily supported than a poor horse. Prof. Jenks says: "On Illinois roads a full load for a two-horse team can be carried for three months of the year, two-thirds of a load for three months, and half a load for six."

God roads are then unquestionably cheaper to maintain and to use than poor ones. It is safe to say that a perfect road once laid down will cost far less to keep in repair from year to year, at the end of twenty years will have required a far smaller total expenditure than a poorer road costing half as much and improperly made.

A properly built highway, constructed upon any one of the systems accepted as the best for their various purposes and locations, must necessarily be made with a solid and firm foundation, effectually separating the surface from the soil below.

It should be thoroughly drained, and provided with water-courses at the side, and a hard and compact surface, as smooth as the nature of its composition will admit of, and free from mud, dust, and loose stones.

To reach this degree of perfection, the best obtainable materials must be used. It requires good labor, ample time in construction, and above all, the science and skill of a professional engineer, whose business is road making.

Certain kinds of roads are accepted as the best under certain conditions. For the country, it is essential to make use of such material as nature furnishes for each locality, but more attention should be paid than generally is, to the first principles laid down by such road builders as Macadam and Telford; so far, certainly, as they provide for thorough drainage, and for homogeneous, even surfaces of the best materials within reach, and then for systematic care and repair.

Country roads needs be no wider than is absolutely necessary for the accommodation of the traffic and travel that will come upon them. In many places a road wide enough for a single team, is all that is necessary with suitable turnouts, for it is unwise and expensive to attempt to maintain a country roadway wider than the requirements of the community demand. The sides can be grassed down, making the road more agreeable to the eye and a source of comfort in the greater freedom from dust.

For suburban roads nothing can be better than what is known as Macadam system with firm and well-drained foundations' six or eight inches of crushed stone, as near as possible to uniform size, very compactly pressed down by a steam roller, and with a thin crust of fine gravel on top.

A broad and well-shaded street contributes more than some of us realize to the attractiveness and health of a city. What can be more beautiful than such avenues as Delaware of Buffalo, Euclid of Cleveland, Woodward of Detroit, in their best portions, the splendid and constantly improving streets of our national capital and Commonwealth avenue and Beacon Street in our city, affording as they do, a most appropriate setting for the finest results of the architect's skill, each example of which leads on to greater and better efforts in a spirit of rivalry which is the healthiest sign of a city's vigorous prosperity and growth.

While the Macadam system is durable, and by all means the most comfortable and satisfactory for its cost for streets immediately outlying the city proper and for those used principally for pleasure driving; in the central business portions, where more active traffic is to be provided for, where commerce plants her heavy foot, and the wear and tear are considerable, there are no better and more appropriate pavements than granite blocks, or perhaps the best grades of fire brick, where the streets have the roughest usage or are liable to disturbances by those dreaded nuisances, the street gangs of the water and sewer department.

And between the suburbs and the business part of the city where the traffic is the heaviest, asphalt pavement will be found to be very desirable and probably the best.

In the matter of cleanliness and comfortable use, the smoother the surface the better, and for your city I believe asphalt should be used wherever practicable. Its noiselessness is a desirable feature, and its more general use in our city streets will have a very beneficial effect on the nerves, and, in consequence, the general health of our business and professional men, and all who

have occasion to endure the incessant noise of the busy street. A thing that is worth doing at all, is worth doing well, and thoroughly, at once; and so I believe that the best thing for you to do is to determine, through the proper channels, how much it will cost to properly pave all of your most important streets, raise the amount necessary by issuing bonds running twenty-five or thirty years, or for longer time if it seems best.

Have the work done as it should be; remove it as far as possible from politics, under the eye of a special and competent engineer, whose business is road construction.

Let him be watched and guided by your Superintendent of Streets, or your Citizens' Committee, or whom you will, to make sure that your money is spent in the right direction.

These pavements, once laid, will last longer than you and I. They will give satisfaction to all who use them, will bring credit upon your city, and their saving alone, annually put by in a sinking fund, will, by the time your bonds are due, be sufficient to take them up and leave a large surplus.

If you cannot accomplish this whole scheme, do what you can of it, beginning at once, and lay as much pavement in 1890 as you can raise money for, but as far as you go, do it right.

As a result of elaborate experiments, made to ascertain the relative resistance of friction of different pavements, it has been established that while 200-pounds force is required to draw one ton over an ordinary dirt road, 100 pounds will do the same work on Macadam, thirty-three on best granite blocks, and fifteen asphalt.

Beware of the Threatening Danger. Do not neglect a cough or any affection of the lungs. Delay is fatal. Holden's Etheral Cough Syrup will cure you if taken promptly. Large size \$1, small 50 cents. For sale by all Druggists.

The Palpit and the Stage. Rev. F. M. Shroet, Pastor United Brethren Church, Blue Mound, Kan., says: "I feel it my duty to tell what wonders Dr. King's New Discovery has done for me. My lungs were badly diseased, and my parishioners thought I could live only a few weeks. I took five bottles of Dr. King's New Discovery and an amount and well, gaining 25 lbs. in weight."

Arthur Love, Manager Love's Funny Folks Combination, writes: "After a thorough trial and convincing evidence, I am confident Dr. King's New Discovery for Consumption, beats 'em all, and cures what everything else fails. The greatest kindness I can do my many thousands of friends is to urge them to try it." Free trial bottles at Dan'l J. Fry's Drug Store. Regular sizes 50c. and \$1.00.

A precursor of the continued popularity of the link cuff is found in the windows of the jewelry shops where the preponderance of new designs in sleeve buttons are of the link pattern.

In Australia there are 248,000 more males than females. A CALIFORNIA SENSATION. [Petaluma Courier.] It is reported that the sales of the "California Remedy," Joy's Vegetable Sarsaparilla, have grown within a few months till they are now really sensational. The way the fame of this production has spread is simply marvelous. Six months ago it was unknown. Today it is all over the country. It is heretofore stated that they have been actually giving it away in San Francisco to people afflicted with dyspepsia, sick headaches, indigestion and liver troubles, not to be paid for unless cured. Such practical tests are so startlingly convincing as to be almost sensational. It is stated that two of the active principles of the new remedy belong to the vegetable kingdom of California, and are so well known to us all under common names that it would surprise us if told them. But we are not surprised at anything Californian, and this recent discovery of the new medicinal virtues of its vegetable kingdom is but another instance of the astonishing possibilities of a soil and climate like ours.

School Tax Notice. The school taxes of District No. 24 in Marion county, are now due and payable at the clerk's office, No. 104 Court street, in Opera House block, Salem. The same will be deemed delinquent unless paid within sixty days from date. DAVID SIMPSON, School clerk. October 15, 1889.

Meeks & Minton Have received and answered over One Thousand Letters of Inquiry RELATIVE TO OREGON SINCE JUNE 17, '89

No charges, no commission, unless we sell your property. John A. Carson, COUNSELOR, ATTORNEY-AT-LAW AND NOTARY PUBLIC. Member of the Bar of Ontario, Canada. Office, 99 State Street, Salem, Oregon.

REFERENCES AT TORONTO: Hon. Sir Thomas Galt, Chief Justice of Common Pleas; Hon. James McLaughlin, Judge of the Court of Appeals; Hon. W. P. R. Street, Judge of the Queen's Bench. Money to loan.

A. A. OSBORN Has 25 acres of The Best Pasture Land in the State, One mile from the bridge in Polk county. Parties wishing pasture will address A. A. OSBORN, Salem.

Catarrh is a constitutional and not a local disease, and therefore it cannot be cured by local applications. It requires a constitutional remedy like Hood's Sarsaparilla, which, working through the blood, eradicates the impurity which causes and promotes the disease, and effects a permanent cure. Thousands of people testify to the success of Hood's Sarsaparilla as a remedy for catarrh when other preparations had failed. Hood's Sarsaparilla also builds up the whole system, and makes you feel renewed in health and strength.

Catarrh affects a permanent cure. Thousands of people testify to the success of Hood's Sarsaparilla as a remedy for catarrh when other preparations had failed. Hood's Sarsaparilla also builds up the whole system, and makes you feel renewed in health and strength.

Catarrh I used Hood's Sarsaparilla for catarrh, and received great relief and benefit from it. The catarrh was very disagreeable, especially in the winter, causing constant discharge from my nose, ringing noises in my ears, and pains in the back of my head. The effect to clear my head in the morning by yawning and sneezing was painful. Hood's Sarsaparilla gave me relief immediately, while in time I was entirely cured. I am never without Hood's Sarsaparilla in my house as I think it is worth its weight in gold." Mrs. G. B. GIBBS, 188 Eighth Street, N. W., Washington, D. C.

Hood's Sarsaparilla Sold by all druggists, \$1; six for \$5. Prepared and sold by C. I. HOOD & CO., Apothecaries, Lowell, Mass. 100 Doses One Dollar

Some striking styles in silk hats may be looked for in the spring. The sugar loaf and taper crown will be correct for young men.

Epoch. The transition from long, lingering and painful sickness to robust health marks an epoch in the life of the individual. Such a remarkable event is treasured in the memory and the agency whereby the good health has been attained is gratefully blessed. Hence it is that so much is heard in praise of Electric Bitters. So many feel they owe their restoration to health, to the use of the Great Alternative and Tonic. If you are troubled with any disease of Kidneys, Liver or Stomach, of long or short standing you will surely find relief by use of Electric Bitters. Sold at 50c. and \$1 per bottle at Dan. J. Fry's Drug Store.

Wide wales are conspicuous in the spring overcoats. They run diagonally. The colors are all shades of brown, slate, drab, light and dark mixtures. Short top coats cut in box shape with strap seams will be in vogue.

Bucklen's Arnica Salve. The best salve in the world for cuts, bruises, sores, ulcers, salt rheum, fever sores, tetter chapped hands, chilblains, corns and all skin eruptions, and positively cures piles or no pay required. It is guaranteed to give perfect satisfaction, or money refunded. Price 25 cents per box. For sale by Daniel J. Fry, druggist.

Dancing School. Every Monday and Thursday. Ladies' and Children's class Saturday afternoon. For particulars inquire at Diamond's Music Hall from 10 to 12 a.m. and 2 to 4 p.m.

JAPANESE BAZAAR! BRANCH STORE OF ANDREW KAN & CO., 204 Commercial street, opposite Postoffice, Salem, Or., direct importers of Japanese and Chinese Curiosities, And novelties as well as fine porcelain China-ware, Cloisonne, Satsuma, Bronze, Ivory, Carvings, Silk, Crepe, Satin, Embroideries, Gating, Fine Tea, etc. Country orders promptly attended to. Wholesale and retail.

Educate For success at the CAPITAL BUSINESS COLLEGE, Salem, Oregon. A. P. ARMSTRONG, MGR. E. L. WILLEY, PRM. Business, Short-hand, Typewriting, Penmanship and English. Day and evening Sessions. Students admitted any time. Call at the College or address the Principal for catalogue.

Notice to Cannery Men! A large Cannery and Fruit Drying establishment would do well at Aumsville, Oregon, as plenty of pears, plums, prunes and cherries, raspberries, blackberries, also plenty of green corn, peas and tomatoes could be obtained for canning purposes. There is a grand opening here to such an establishment.

AUMSVILLE is located in the midst of a good grain, fruit and stock country. For further particulars address: T. S. MAHSON, Aumsville, Marion county, Or. 10-10d-wim

Conservatory of Music Of the Willamette University, Salem, Oregon, the most successful Music School on the Northwest Coast. Courses in music are equal to Eastern music schools. Yearly attendance of nearly one hundred and fifty. The able corps of teachers for the coming school year will be Prof. Z. M. PARVIN, Leona Willis, Miss Eva Cox, assistant teachers, Miss Lulu M. Smith, Miss Hedy Parvin, and Miss Maggie Parvin. Branches (Singsongs) Vocal Culture, Piano, Organ, Violin, Pipe Organ, Harmony, Counterpoint, and Class Teaching. Diplomas given on completion of course send for catalogue and circular. Z. M. PARVIN. 7-25 10-10-wim.

New Express Wagon. WILLIAM HOLCOMB Has started a new express wagon and is now ready to deliver baggage to and from the depot, and to any part of the city. Baggage of any kind delivered on short notice.

The Best Residence Localities

In the city of Portland and other prosperous towns are those owned by men or corporations who have the disposition and ability to improve them.

HIGHLAND ADDITION

-IS OWNED BY-

THE OREGON LAND COMPANY!

And this Corporation is determined to

Make It The Most Attractive Addition

To the city of Salem. They have at this time fifteen teams employed and the contemplated improvements have scarcely begun. It is intended to make the drive leading from Commercial street through Riverside and Highland additions and around Highland Park

THE FINEST DRIVE IN THE STATE

Of Oregon. The line of the Salem Street Railway Company runs through the middle of this addition, and no lots will be more than two blocks distant from the line. Highland Park will in the near future be

THE MOST POPULAR RESORT

ABOUT THE CITY OF SALEM.

Lots in Highland Addition are High and Dry and Well Located; Most Excellent Drainage

The soil is black and rich. From all points a fine view is obtained of the public buildings and our highest mountain peaks. Arrangements are already being made for the location of two churches in this addition, and a number of residences are soon to be built. Buildings only of the best class will be permitted. Residences lots within the limits of the city of Salem are worth on an average over \$1000. We can sell you better lots in Highland addition for one-third of the money, and being directly on the line of the street railway they are practically not half so far from the public buildings and the business part of the town as the majority of the so-called "inside lots."

Buy a Lot in Highland Addition for Three Hundred Dollars,

And let some other fellow pay \$1000 for an inferior lot not so well located. With the difference of \$700 you can build a beautiful cottage, or put it out at a rate of interest that will buy you nearly two thousand street car tickets every year.

ATTENTION FARMERS! Single lots and acres. One half mile West of Salem P. O. Good soil, all clear and in fine condition. All ready for planting fruit and shrubbery at once. Each piece fronts on a nice street, and no city tax.

THOMAS & PAYNE 99 STATE ST. SALEM.

This Space is Reserved for Cox & Boggs.

Call and See T. J. CRONISE. Salem's Popular Job Printer. AT HIS NEW QUARTERS IN THE State Insurance Building, Cor. Commercial and Chemskeete streets 1-11

Teachers' Examination. NOTICE is hereby given that the next regular quarterly examination of applicants for teacher's certificates will be held at the court house in Salem commencing at 12 o'clock m. of Nov. 27, 1889. All applications must be present at the opening session on the 27th. D. W. YODER, County superintendent of schools for Marion county, Oregon.

Proposals for Heating. THE BOARD OF TRUSTEES of the Oregon state insane asylum invite sealed proposals for heating the new wing of the asylum with hot water. Plans and specifications may be seen at the office of Dr. Harry Lane, Salem, Oregon. The right to reject any and all bids is reserved. Bids will be opened at 2 o'clock p. m., on Tuesday, November 26, 1889. E. V. VENTER, FENWICKER, GEO. W. McBRIDE, Board of Trustees. WM. A. MUNLY, Clerk of Board.

Loans. Loans negotiated and closed without delay when security is satisfactory and Title Good! Principal and interest payable at our Salem office. Loans made on farm property. Money Ready When Papers Completed. These wishing loans for improvements or stock are requested to call on us or correspond. SMITH & HAMILTON, Office with Duncan & Booth, 99 State st., Salem, Oregon.

L. S. WINTERS, THE PEOPLE'S GROCER Carries a select line of family groceries and provision that are sold at reasonable rates. Country produce; such as apples, fruits of all kinds, potatoes, vegetables, etc., always on hand. Call at 100 Court street, Salem. P. H. EASTON'S Salem Music Store

New Fish Market. Allen Rhodes has established a new Fish Market on State street, and he keeps a good supply of fish, poultry and game. Give him a call and your order will be promptly attended to. 8-25-1m

New Butcher Shop AT NO. 110 STATE ST. ANGEVINE & JEFFERSON. Have opened up a first-class butcher shop at the above location, where they will be pleased to serve the people with the CHOICEST AND BEST MEATS of all kinds that the market affords. Give them a call and be convinced of the superiority of their meats. Goods delivered free.

SCRIBER & POHLE Have moved to 47 and 49 State street where they are now ready for work. A our old patrons and friends are invited to call and see us in our new location. We are better prepared for work now than ever having secured more room. 10-14