

WITH OUR EXCHANGES

The remains of Joseph Charles Bar... who committed suicide yesterday morning at the Gaston Hotel...

With the view of finding for Norfolk an inexhaustible water supply from the Chowan river...

State Insurance Commissioner Young directs the people of the state interested in insurance to the fact that the fire loss in the United States...

J. H. Johnson, a white man aged 65 years, a driver for the Washington steam bakery, was almost instantly killed this morning at 10:30 o'clock...

The brick laying has been finished and the roof is being put on Raleigh's handsome new building...

These are located in the front portion of the massive structure, which faces on Fayetteville street...

The Phil G. Kelly Co., Richmond, has instituted suit against J. N. Stronach, of this city for a balance of nearly \$500 for liquors sold...

FOR HEADACHES

There Isn't Any Headache Remedy That Does The Work Like HICKS' CAPUDINE.

It gives quick relief from Headaches of all kinds, including Sick or Nervous Headaches, and Headaches caused from heat, cold, grip or stomach troubles.

Capudine is also the best and quickest remedy for attacks of Cold or Grip. It soon relieves the aching and feverishness and restores normal conditions.

Capudine is liquid—easy and pleasant to take—acts immediately. 10c., 25c. and 50c. at drug stores.

But it's all right to judge a tailor by his clothes.

Right doesn't always make right, but it seldom gets left.

It is wiser to trust some people with a secret than with a dollar.

- Bloodline Cures Strains, Rheumatic Bruises, Sprains, Lament Rheumatic pains, Pains in the Chest, Side and Back, Swellings and Tumors, Frost Bites, Sore Throat, Quinsy, Croup, Hoarseness, 25c and 50c a bottle.

MAINTENANCE OF COUNTRY ROADS

Way Rural Highways Should Be Cared For.

CONDITIONS IN HILLY SECTIONS

Get a Decent Grade if You Must Zigzag It—Take Roads Out of Creek and Branch Beds and Keep Them Out Drainage is the Most Essential Feature of Any Road.

In speaking of country highways in his county J. H. Murray, county highway engineer of Douglas county, Mo., gives many interesting facts which may be of help to many counties in the country where similar conditions prevail.

We need so many things done and have so little to do with that one hardly knows where to begin.

There are conditions when it is the best policy to build a masonry arch, a steel deck span, a concrete arch, perhaps a steel arch or a steel through span.



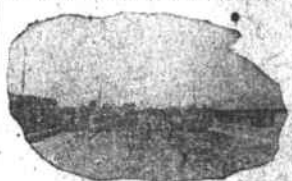
ROAD IN HILLY COUNTRY.

verts built, ditches cut, roadbeds crowned and steep grades eliminated. And as we make roads we want to use the best as one of the best means of improving and maintaining them.

If you have given a roadway along your farm and it is thirty feet wide through your best land, it is only a fraction less than an acre along your forty acres and is perhaps yielding you tenfold the greater profit of any acre in the forty.

In a hilly country we must be governed by the topography. Try to cross the high ridges in the lowest grass; get a decent grade if you must zigzag to do it.

The most essential feature of any road is drainage. Without good drainage it is impossible to maintain a good road. All other road work depends on this for success.



CROSSING A CREEK.

You must get a tight roof and dry collar. Give the water a chance to run off.

I want to give some tables made by careful trial and observations. Here is one:

Table with 2 columns: Level earth road in best condition, 2,000 pounds. and Pounds. Rows include 1 per cent grade, 2 per cent grade, 3 per cent grade, 4 per cent grade, 5 per cent grade, 10 per cent grade, 15 per cent grade, 20 per cent grade.

Of these given forces (resistance of friction, collision and gravity) that of gravity stands alone, constant in relation to the load. It is constantly drawing you back and with a force proportional to the incline as shown in the accompanying table:

Table with 2 columns: Resistance of Gravity on Different Grades and Pounds. Rows include 1 per cent grade, force of gravity, 2 per cent grade, force of gravity, 3 per cent grade, force of gravity, 4 per cent grade, force of gravity, 5 per cent grade, force of gravity.

The following table is practically correct for all grades given. To make it apply to conditions as met with we will assume that the load consists of wagon, 1,200 pounds, and corn, 1,800 pounds, amounting to 3,000 pounds.

It seems to me idle to talk about making good roads without reducing the excessive grades. It has been said 'a road is as good as its worst mile.'

On a good earth road, not the best, a team should draw 5,000 pounds. If now we meet with a hill of say 10 per cent steepness the effect would be to reduce the above figures to something like one-third, or to 1,700 or 1,800 pounds, and your team actually loses effective strength on these uphill pulls.

MODERN BRIDGE CONSTRUCTION

Why Bridges Are Built Less Permanent Today.

ANCHORAGE MOST IMPORTANT

Missouri Engineer Says He Has Seen Several Structures, Otherwise Firm, Which Have Been Swept Away Because of Their Insecure Anchorages.

The question is frequently asked, 'Why are the bridges which we build today less permanent than those which the ancients built?' says F. J. Kersting, deputy state highway engineer of Missouri, in Good Roads, New York.

Heretofore financial conditions and the rapid growth of progress have made it necessary to do some things in the line of bridge building which were regrettable because the prime object was to build cheap and sometimes quickly built structures.

There are conditions when it is the best policy to build a masonry arch, a steel deck span, a concrete arch, perhaps a steel arch or a steel through span.



STEEL BRIDGES LOWER ONE HUNDRED PER CENT ANCHORAGE.

There is no doubt but that when the funds are on hand and the conditions at the site are favorable it is best to build a concrete arch. It will also be found to be economical in the long run to build concrete floors on all steel bridges regardless of the length of span.

Many county officials through an erroneous idea that they are saving the county money build spans much too short for the roadway required.

The state highway engineer is frequently asked about tubular piers, and the inquirer is generally prejudiced against them. The proper material out of which to build piers or abutments is stone and concrete.

They have been used for years not only on highway work, but also by railroads. There are several reasons for this. In the first place, there is usually a vast difference in the cost, and were it not for the tubular pier many bridges in Missouri could not have been built.

There have been more failures of concrete and masonry piers than there have been of tubular piers. In most cases this is due to the poor construction of the masonry.

Therefore there are many masonry piers built of the same class of stone and in the same manner the mason employs when building a cellar wall in his locality.

The pressure against a tubular pier at time of high water is not great owing to its cylindrical form; it is also not apt to hold drift for this reason.

Considering the unforeseen events of this world, we should be taught that no human conditions should fill men with absolute despair.

Any way a man is usually justified in doing those he has been done by.

When Tom Corbett was in the south of his farm as an employee and proprietor... 'Well, I replied, that it is no wonder to be sure. Are they calling it the Goodbye News?' 'Not exactly that,' said Tom, 'but substantially we call it called the Truth.'—Washington Star.

PROGRESS

What pains and tears the highest steps of man's progress have cost! Every hairbreadth forward has been in the agony of some soul, and humanity has reached blessing and blessing of all its vast achievement of good with bleeding feet.—Bastol.

Danny's Weakness. 'Well, Miss Mulcahy, Oh see he the papers Danny's been discharged from the millinery,' observed Mrs. O'Hooligan. 'Yes,' sighed Mrs. Mulcahy, 'Danny never could hold any kind of a job.'—Harper's Weekly.

Manitoba. Of the 47,832,840 acres within Manitoba, 6,328,000 are taken up by lakes and 25,000,000 are cultivable.

Honey has been known from the earliest times. The Scriptures make mention of it, and pagan writers celebrated its virtues. It was called 'the milk of the aged' and was thought to prolong life.

A Deadly Spirit. Featherstone—Do you believe in ghosts? Travers—Well, for years I have been living in a haunted house.

Not a Tender Plant. A temperance lecturer once displayed to his audience two geraniums. The first watered in the usual way, was a beautiful and vigorous plant, but the other had been doted with alcohol, and its foliage was shriveled and smothered and its vitality decayed.

Despotic Humility. If ever you see Sir Paris a person with a red ribbon in his buttonhole, accompanied by a friend, about to enter a house, a carriage, a shop, you may be sure that the monarchist decree will insist on his compulsory passing first.

A Smitten Conscience. Dr. Fourthly—I believe my sermon on sincerity this morning sank deep into some hearts and did good.

OPPORTUNITY. A man must train himself for his opportunity, for a great occasion is worth to a man exactly what his antecedents have enabled him to make of it.—Matthews.

Unaffected. Miss Speltz—Of course no one could truthfully speak of her as pretty. Mr. Lovett—Well—perhaps not, but she has such a quiet, unaffected manner.

Hard to Get Hold Of. Gracious Visitor—Where can I get hold of the boss? Office Boy—Got me! He's bald, goes to work in slippers, wears such tight trousers that you can't get a grip on him anywhere.—Puck.

By Way of Suggestion. A parson once came from his parish church to the bishop with the complaint that a stranger had intruded into his pew. He said, 'I would not disturb divine service by ejecting him, but I took the liberty of sitting on his hat.'—Taber.

Looking Backward. 'Boss, I can't live on \$2 a week any longer.' 'Stick it out for awhile,' urged his thrifty employer. 'Think of how you can brag about it when you've made your fortune, my lad.'—Louisville Courier-Journal.

HOPE ON. Considering the unforeseen events of this world, we should be taught that no human conditions should fill men with absolute despair.—Fielding.

ADVERTISE IN THE NEWS. Any way a man is usually justified in doing those he has been done by.

DON'T STOP TO THINK Call Up No. 97

ASK FOR ANYTHING YOU WANT—DON'T ASK WHAT WE HAVE. ONLY KIND OF FANCY GROCERIES, FRUITS AND CONFECTIONARIES. ALWAYS FRESH AND COMPLETE IF INTERESTED IN THE DETAILS, CALL UP.

E. L. ARCHBELL. Phone No. 97

Southern Railway

Direct Line to All Points South, East, West. Very low round trip rates to principal resorts. Through Pullman to Atlanta, leaves Raleigh 4:05 p. m., arrives Atlanta 6:25 a. m., making close connection for and arriving Montgomery following day after leaving Raleigh 11:05 a. m., Mobile 4:12 p. m., Orlando 8:30 p. m., Birmingham 12:15 noon, Memphis 8:05 p. m., Kansas City 11:20 a. m., St. Louis and connection at Salisbury, Tenn., and other Western points.

The Weather. Generally fair tonight and Sunday. Warmer.

Fine Oysters. Some of the finest oysters of the season are now being brought to this market for consumption.

Fine Hogs. Mr. A. C. Hathaway on yesterday received another fine specimen of hogs from Southern Pines, N. C.

WORTH WEIGHT IN GOLD. Lady Learned About Cardui, The Women's Tonic and is Now Enthusiastic in its Praise.

Mount Pleasant, Tenn.—'Cardui is all you claim for it, and more,' writes Mrs. M. E. Rail, of this place. 'I was a great sufferer for 2 years and was very weak, but I learned about Cardui, and decided to try it. Now I am in perfect health.'

My daughter, when changing into womanhood, got in very bad health. I gave her Cardui and now she enjoys good health. 'Cardui is worth its weight in gold. I recommend it for young and old.'

Being composed exclusively of harmless vegetable ingredients, with a mild and gentle medicinal action, Cardui is the best medicine for weak, sick girls and women.

It has no harsh, powerful, near-poisonous action, like some of the strong minerals and drugs, but helps nature to perform a cure in a natural easy way.

And the stand-patters undoubtedly would also oppose putting the Aurora borealis on the free list.—Cleveland Leader.

A Gink. 'Father,' asked the boy, 'what is a gink?' 'I have only a vague idea, my son,' said Professor Googie, 'but I presume a gink is a guy or a pecker or something of that kind raised to the nth power.'—Chicago Tribune.

The Innocent Maid. 'Do you believe in high license?' asked the young man in the parlor room. 'Well,' replied the innocent maid, 'I don't believe the license should be high enough to discourage matrimony.'—Chicago News.

ADVERTISE IN THE NEWS. PILES CURED AT HOME BY THE ABSORPTION METHOD.

If you suffer from bleeding, itching, blind, or protruding Piles, send me your address, and I will tell you how to cure yourself at home by the new absorption treatment; and will also send some of this home treatment free for trial, with references from your own locality if requested. Immediate relief and permanent cure secured. Send no money, but tell others of this offer. Write today to Dr. J. W. Summers, Box 2, North Adams, Ind.

Electric Bitters. Suffered when everything else failed to relieve my stomach and bowels. Afterwards they are the most reliable remedy for the stomach, bowels, FOR KIDNEY LIVER AND STOMACH TROUBLE.