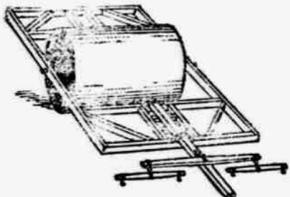


ROAD AND FARM IMPROVEMENT

A HOME-MADE ROAD ROLLER.

Implement Which Will Help Put the Road in Good Condition.

If you need a road roller get a heavy sheet iron cylinder, stand it on end and place a length of 1 1/2 or 2-inch pipe through the center. The end should be placed on planks which are well soaked or oiled, and the pipe braced to keep it exactly in the center. Fill the cylinder with good concrete, and when it has set tip it over and build a frame for it, so you can hitch a removable tongue at either side. The frame should be made of good, strong hard wood well braced. The cuts show plainly just how the roller is made and put together.



The Road Roller Complete.

er side. The frame should be made of good, strong hard wood well braced. The cuts show plainly just how the roller is made and put together.

HUMUS FOR THE SOIL.

Necessity of Restoring This Element Where it Has Been Exhausted.

An extensive chemical survey has been taken of the soils of Tennessee, and it has been found that humus is one of the principal factors in soil fertility found to be lacking in that state. Commenting on the loss of humus and the means of replacing it, the investigator, Charles A. Mooers of the Tennessee station in bulletin 78 lately issued makes these observations:

One of the soil constituents which is well known to decrease under usual cultivation is humus, as the dark-colored organic substances which result from the decay of vegetable matter, etc., are called. The value of vegetable matter in the soil can hardly be overestimated. Especially is this true in the south, where the climatic conditions through a large part of the year are favorable to oxidation and consequent loss of humus from the soil.

In addition, the prevailing soil texture, and the hilly and rolling nature of the country, are such that except on well-set grass land there is a continual loss of the best of the soil by washing. This loss of surface soil may have something to do with the maintenance of the mineral plant-food supplies, which are, to a certain extent, renewed in this way; but, on the other hand, it takes away the humus and its chief plant-food constituent, nitrogen, both of which are found in only meager quantities in the sub-soil.

Furthermore, with this loss of humus there is a decided deterioration in which structure, or tilth, of the soil, which dries out sooner, bakes worse, and is more troublesome to handle than when first cultivated.

For these reasons particular attention should be given to the building up of the soil by the incorporation of vegetable matter, and to its retention by deep plowing to prevent washing, by the growing of cover crops, and in some cases by the use of embankments and the like.

The disfavor with which many farmers look upon commercial fertilizers comes as a result of relying too much on small applications of the mineral elements without either making adequate applications of farmyard manure or following a system of cropping which would in and of itself do much toward the maintenance of soil fertility especially with respect to the supplies of both vegetable matter and nitrogen.

ITEMS.

Pleasant, friendly, unselfish ways carry their own welcome with them wherever they go.

Know that you know something, and you'll then have someone who will believe that you know it.

The farmer can better afford to pay \$75 for a good cow than \$25 for a common cow, but it is impossible to make some farmers see the point.

A cow is a mere machine for the conversion of food stuff into condensed product, and if the best results are desired from the food the cow eats she must be kept quiet, contented and above all things comfortable.

Believe in the betterment of the human race and while believing make it so as far as you are concerned. There will be one knave less to cope with, and therefore you will have made a success of your belief.

Butter Flavor.

Not so very much is known about the causes which affect the flavor of butter. The latest investigations conclude that it depends upon bacteria, which after using some of the materials in the butter, form a by-product and gives its odor.

THE GENTLE CYNIC.

The social whirl is apt to make a girl giddy.

An ounce of scare is often worth a pound of advice.

The man who has no music in his soul might try a shoe horn.

The fool jumps at conclusions, the wise man jumps away from them.

It is hard to preach total abstinence when lemonade costs more than beer.

The fellow who always has his hammer out is seldom the one to nail a lie.

The umbrella prefers a rainy night for a hold-up, but the footpad isn't so particular.

Strange as it may seem you can save yourself a lot of trouble by not borrowing any.

It is said that wealth doesn't bring happiness, but most of us are willing to try the experiment.

After all, there isn't a whole lot of difference between entering upon a career and getting a job.

One man in a thousand feels that he is appreciated, and that man may really be overestimated.

Adam looked out for number one, and his descendants have been doing the same thing ever since.

Many a fellow has fallen in love with a peach, only to discover that fate has handed him a lemon.

THOUGHTS ON THINGS.

Liars occasionally tell the truth; they do it to make their lies go down.

Mr. Rockefeller says the first million is the hardest to make. This teaches us that we should make our second million first.

No woman is so poor a mathematician but that she calculates every few months how much her husband would save if he cut out tobacco.

Though many piano-playing machines are on the market, young ladies find no more time than formerly to help their mothers with the housework.

One difference between a man and a woman is that the man will carry home an 18-pound turkey, while the woman will have the van deliver a packet of hairpins.

A beauty doctor says the eyes should never be placed farther apart than the width of one eye. Let us remember this, girls, when dressing for the next dance.

GENERAL CHURCH NOTES.

In Japan there is one Sunday school pupil for every 720 inhabitants, but in Korea the proportion is one to every 270.

The church missionary society's workers in Persia have in six years gained 119 converts from Mohammedanism.

Elected six weeks ago as Episcopal bishop of eastern Oregon, Rev. Robert Louis Paddock of New York has decided to accept the position.

"Moving pictures and songs, with social science class," is a part of the Sunday services of the Theodore Parker Memorial church at Boston.

The recent action of the bishop of Dorking in volunteering for work outside of England has inspired a number of men to follow his example.

The German Baptist Brethren of Iowa, or Dunkards as they are more commonly known, have opened a home for the aged near Marshalltown.

MERE OPINION.

No man ever rectified a mistake by refusing to acknowledge it.

People frequently mistake for candor what is mere garrulousness.

Too many people are like the poems in the magazines—merely used to fill in.

Most women cease to care for poetry after young men quit reading it to them.

Nearly every man has faith in himself, but comparatively few have the courage to put their faith to the test.

Along about the time that a man ceases to notice that his ears stick out he begins to worry about the size of his waist.

OVER THE CURLING TONGS.

Some time or other a woman learns this philosophy:

Not to be too unselfish, or she will only make others selfish.

Not to think of herself, if she doesn't want to be miserable.

Not to expect anything, if she doesn't want to be disappointed.

Not to waste her life fretting for congenial spirits, but to make congenial spirits of the people about her.

Jesus at the Pool of Bethesda

Sunday School Lesson for Feb. 23, 1908
Specially Prepared for This Paper

LESSON TEXT.—John 5:1-8. Memory verses 5, 9.
GOLDEN TEXT.—"Himself took our infirmities, and bare our sicknesses."—Matt. 8:17.
PLACE.—The Pool of Bethesda at Jerusalem.
TIME.—In the spring of A. D. 28. Two or three months after the last lesson, John the Baptist was put in prison about this time.

Comment and Suggestive Thought.

V. 3. "Lay a great multitude of impotent folk." Literally, people without strength, especially, as here, debility caused by sickness. The class of diseases brought to these waters is described as "blind, halt" (or lame, as from rheumatism) "withered," members of whose body were deprived of their natural juices, wasted, shrunk. "Waiting for the moving of the water." That there was a moving of the water is evident from the statement of the sick man in v. 7. But this part of v. 3 and the whole of v. 1, explaining the cause of the movement, is omitted from both the R. V. and the Am. V., because they are not found in the best manuscripts. But the explanation may be true.

V. 4. "The angel" is not necessarily a person. Angel means "messenger," an agent sent by God to do a certain work. Thus it is said (Psa. 104:4, R. V.) that God maketh "winds his messengers," his angels.

Jesus Going About Doing Good.—The meeting of Jesus with the invalid at Bethesda is one instance of his method of reaching men. He went about doing good. One Sabbath at evening, when the sun did set, they brought unto him all that were diseased, and them that were possessed with devils.

And he healed many that were sick of divers diseases, and cast out many devils: That it might be fulfilled which was spoken by Isaiah the prophet, saying, himself took our infirmities, and bare our sicknesses. (Matthew and Mark.)

Imitation of Jesus in Doing Good.—"All the experience of modern missionaries in the east goes to show the wisdom of the method employed by Jesus Christ and his apostles in giving attention to diseased bodies as a means of access to diseased souls."—Isabella Bird Bishop.

Christ tells us that those who believe in him shall do greater works than he, and it is true that Christ in his Christianity is doing on a far larger scale the works of Christ than it was possible for him to do in Palestine. The kindly feeling, the desire to help, the increased skill, which spring up under Christianity as flowers and fruits grow in the sunshine, have made Christ's works through his people greater than those he wrought on earth. They are not miracles, but are better than the power of miracles, as the prolonged sunshine is better than a flash of lightning. Blind asylums have opened many eyes, and caused people to read and work even without sight. Hospitals have cured and cared for multitudes of sick and insane.

It is the privilege of each individual Christian to know something of Christ's healing power. The cheer, the hope, the inspiration, the uplift of faith in him, is a healing power over disease. Prayer is said by experts to be a real power in curing the insane. Jesus himself can still heal our diseases in his own way. And yet more, he can cause them to bring spiritual health and peace.

It is the privilege of every Christian to go about doing good in the name of Jesus.

Jesus cures the morally sick as he did this man at Bethesda, not so much by what he does for them as what he does in them. With the command came the inspiration, the power to obey. Therein lies the difference between the advice which men give and the commands and invitations which God gives. Advice to be good is no doubt often of value. But what men need and what God gives is life, new hearts, strength to follow the advice. All other religions give advice; Christ is the way, not merely an ideal, but the way to reach the ideal; not a picture of what we ought to be, but the way, the power, the life by which men can realize the picture.

V. 9. "Took up his bed." Showing his faith and obedience. "And walked." Showing the completeness of the cure. The Cure of the Soul Went with the Cure of the Body.—A little later in the day Jesus finds the man in the temple. His religious nature was awakened by his cure. He had doubtless been for a long time wanting to worship God, but was unable to go. I remember well in my boyhood's days that my first deep and earnest seeking for the religious life was during the later stages of recovery from sickness. The disease and danger were gone, but the heart turned toward God. In the temple Jesus made himself known, and bade him sin no more.

The healing of the body is of small account unless there is also a healing of the soul.

And this is symbolic of his work even where he did not heal. Why did he not at a word heal all the sick in Palestine?
1. One of the great disciplines and powers for the transformation of character lies in the triumph of the soul over evil, as by Paul's thorn in the flesh the apostle experienced new degrees of God's grace.
2. In our present state perfect relief from all cares, ailments and burdens would be a curse.



WHY IS IT?

That each month in all the best homes in this country, on the library table, and in every club reading room, you find the

METROPOLITAN MAGAZINE

It is because it keeps you in touch with those great public and human movements on which the American family depends.

It is because its stories are the best published anywhere.

It is because its illustrations in color, and black and white, set the standard.

It is because its articles are the most vital and interesting.

It is because there is something in each copy for every member of every American family.

A YEAR'S FEAST

1800 Beautiful Illustrations. 1560 Pages of Reading Matter.

85 Complete Stories. 75 Good Poems.

50 Timely and Important Articles.

1000 Paragraphs presenting the big news of the "World at Large."

120 Humorous Contributions.

Wonderful Color Work, presented in frontispieces, inserts and covers.

All Yours for One Year's Subscription to
THE METROPOLITAN MAGAZINE
Price \$1.50 per Year or 15 Cents a Copy

The publishers of THE SENTINEL have made a special arrangement with THE METROPOLITAN MAGAZINE by which they are enabled to offer the following extraordinary bargain:

The cost of one year's subscription to THE METROPOLITAN is \$1.50.

The cost of 12 months' subscription to THE SENTINEL is \$1.50.

We offer both for \$1.75.

"That Four Mule Team."

Generally speaking it sometimes is better to have a four mule team working for us than a single mule. It may be four times as difficult to keep the larger force in the furrow; but often the most helpful energy is that which is directed to that end rather than merely to disintegrating the team." Saturday Evening Post, Aug. 24, 1907.

The Post is numerous yet profound, wise even beyond its years. Proof may be found on the page from which the above is quoted or the editorial page of any issue. It is healthy. Its digestion is evidently good. It is a cheery optimist, and sound. The Post is wise, witty and cheerful, but the Post is reckless. Fate should guard the venerable Post and protect it from mules—mules "single" or in quadruplets—real or allegorical—or Roosevelt "will get it if it don't watch out."

The writer of the above may have seen mules, but he does not know them. And mules if approached by those who are strangers to them, should be approached deliberately, prayerfully, and with circumspection. The Post takes liberties with mules. This will not do. It is reckless, foolhardy. I know. I was raised with them—have raised them, and been raised by them, played with them, and been played with, worked them and been worked, ridden and—failed to ride them. Aye, I have been kicked by them; kicked on the shin, even on the tender and susceptible shin; kicked on the finger, leaving that member a wreck, upon which I now fondly and reminiscently gaze; kicked squarely between the eyes, and on all intermediate points. I have been kicked by mules, kicked often, kicked intentionally, wickedly, viciously, deliberately, and with malice aforethought; kicked by many mules, and many times by the same one, yet I live.

But never during my long and varied experience with mules, have I dared to insult his royal asinity to the extent of attempting to force or persuade a "single mule" to walk in the furrow. The physical law that the plow will follow directly and exactly behind the "single mule" would inevitably be clear to the mule, though the Post overlooked it. The futility of his walking in the furrow and hauling a plow would fill him around in the same old furrow with his practical soul with disgust.

I am not a coward, but neither have I dared to offend their ideas of seemingly by putting four mules in the furrow, when I have plowed with four. Four times as difficult, my dear Post? Four times as difficult are the arbitrary rules of science to gauge the operation of an intellect, especially the intellect of a mule. And how cheerily do we in ignorance attack a proposition that is full of ambushes and pitfalls. "Four times as difficult?" Four hundred times, four thousand times, infinitely. Even two, my dear Post, even two mules in the furrow and you must drive them tandem. And did you ever drive a tandem mule team? Why do I ask? If you do, the very fact demonstrates that they were not mules. And a double tandem! A double tandem mule team all in the furrow, the plow in the furrow behind them! O shades of the ancient charioteers! Sit up and take notice!

PEDRO.

The Tie That Binds.

Recorder Speer issued licenses to the following parties to go and "tie up" for better or for worse, during the month of January:

Axlene Samuel E. of Fairfield, Iowa, and Cora E. Grimes, of Forest City, by Rev. B. H. Hobbs, January 29th.

Burrier Geo. A. of Oregon, and Nora Baker, of Forbes, January 12 by Rev. B. H. Hobbs.

Dodge Lewis A. and Julia A. Jones of Forest City, January 18, by J. H. Wilson, J. P.

Heits Harvey J. of Corning, and Anna Vollmers, of Craig, January 29, by Rev. G. H. Lentzsch.

Lewis Charley and Dollie Hester, of Mound City, January 18, by Rev. T. J. Foyeart.

Patterson Arch R. of Maitland, and Alma Keiffer, of Mound City, January 22 by Rev. Birt H. Dawson.

Reyburn Charles E. of Mound City, and Grace M. Holderman, by Rev. E. Wallace Wait.

Swain Walter L. and Francis Rybolt, of Mound City, January 15, by J. K. Young.

Taylor Alfred of Nodaway, and Jessie Colvin, of Maitland, January 9, by Rev. Jere Moore.

Wickes Emery C. and Mattie Simon, of Mound City, January 1, by Rev. C. V. Allison.

Must File Petitions by June 1st.

The following calendar has been prepared for the benefit of those who want to run for office this year. As can be seen the petitions will have to be filed by June 1st and that a great deal of hustling must be done within the next three months.

As can be seen the day of the primary is a legal holiday. Another provision of the law is that saloons must be closed on that day.

CALENDAR FOR CANDIDATES.

March 1—Secretary of state to furnish forms.

May 5—Secretary of state to indicate offices for which candidates are to be selected.

May 15—County clerk to publish this notice for six weeks.

June 4—Candidates shall have notified proper authority of candidacy.

June 9—Secretary of state to certify candidates to county clerks for publication.

July 14—County clerks to furnish chairmen and candidates sample ballots.

July 21—County clerks to correct errors, publish and distribute ballots.

August 5—Primary day. Legal holiday.

August 5—Judges and clerks to furnish returns to county chairmen and candidates.

August 7—Returns to be canvassed, county committee to meet and organize.

August 11—Congressional committees to organize and select state committeemen.

September 9—All party committees to meet at Jefferson City, organize and formulate a platform.

September 10—Platforms to be announced not later than 6 o'clock p. m.

October—Secretary of state to certify candidates.

—One queer thing about our state is that so many towns are not where it would seem they ought to be. Cassville is not in Cass, but Barry county, while Barry is in Clay, Oregon is in Holt county instead of Oregon; Clinton is not in Clinton but in Henry; neither Bates City nor Batesville are in Bates, Camden is in Ray instead of Camden; DeKalb is in Buchanan; Bonville is not in Boone, but in Cooper. Glasgow is not in Scotland, Warrensville is not in Warren, but in Johnson, Harrisonville is not in Harrison; Marionville is not in Marion; Jefferson City is in Cole instead of Jefferson, Ozark is not in Ozark, nor are the towns of Dent, Holt, Jackson, Laclede, Lincoln, Madison, Miller, Nodaway and Perry in the counties which bear their names.

—A Kansas farmer a few weeks ago sold his possessions for something over \$20,000 and with the cash on his person took a trip to Kansas City. He was afraid to trust the money in the banks, it seems. As a consequence he is short just \$20,000. Some bad man in that city touched him for the whole amount. There is a lesson in this, but what is the use of handing a lecture out to a man who has been touched for \$20,000? He feels bad enough anyway. And then it is not well to get chummy and set up as an adviser. You perhaps have never gone about carrying \$20,000, probably for the reason that like the editors of great moral guides you never had sense enough to make \$20,000. If you had the \$20,000 maybe you wouldn't carry it about on your person, but the chances are you would make a fool of yourself in some other way. Our theory is that nearly every man has a fool streak in his makeup, but one fool differeth from another fool even as one star differeth from another star in glory.

—Thirty years ago an old fashioned steel tired spring wagon was a luxury. In a funeral procession a mile long you would perhaps see two or three of them. Everyone rode in farm wagons. Twenty-five years ago a top buggy was a rich man's good fortune, and but few of them were seen. Today a top buggy with rubber tires is as common as a Democrat in Texas. Anybody and everybody has them. A farm wagon in a funeral procession would be a novelty. The upper tens ride in automobiles, and are fast getting to be common. There are many farmers now using automobiles. It's a swift old age we are living in. A newspaper printed yesterday is stale. If a letter is twenty-four hours travelling 1,000 miles there is a kick coming. Ten dollars don't last as long as two cents did with our grand fathers. We spend more for socks and suspenders than our grand-dad did for his Sunday-go-to-meeting clothes, and still we wonder what is the matter with the world that it does not grind out as many rich blessings as it did half a century ago.

—If you want the best farm paper published come in and we'll fix you up. What do you think of this—THE SENTINEL and Colman's Rural World for only \$1.75.