

Guide-Advocate

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HARRIS & CO.
PROPRIETORS

Guide-Advocate

HARRIS & CO. PROPRIETORS.
WATFORD, JANUARY 2, 1914.

NOTE AND COMMENT.

This is the season when farmers' clubs, rural literary societies and debating clubs should renew their efforts. Open discussion on all problems is elevating and tends to promote reading and thinking. Every reader should be a thinker.

It is not only boys' corn clubs that are showing farmers the way to larger crops and larger profits. Last year a group of school boys in Cumberland county, Tennessee, formed a potato club. The best yield was 384 bushels to the acre; the next best, 379 bushels; the average of the club 258 bushels. For the state, the average is only about 80 bushels. All Tennessee now perceives new possibilities in potato culture.

A correspondent of the London Chronicle has dug up a statement giving the heights of some of the Highland prisoners taken after Culloden. The tallest of the heights given was five feet, six and a half inches. In 1883 the average height of Scotch soldiers in the British army was nearly 5 feet, 9 inches.

Isn't it remarkable when good books and papers are so cheap that men and women read so little and neglect the minds God has given them to improve? It would make our homes and our home life pure, heavy and elevating we must seek knowledge on the various topics that are daily discussed. Too many boys and girls grow up now that by the time they have entered their teens have cultivated such a taste for trashy, impure literature which is scattered broadcast over our land, that anything solid or that would improve their minds or character is considered dull and uninteresting.

Do not trust strangers, and do not expect strangers to trust you. We have all seen people who were very angry because strangers seemed to regard them with suspicion, and we have ever been irritated in that way ourselves, no doubt. But we have no business to expect confidence from those who do not know us. We may feel that our very appearance ought to show that we are good, but far more respectable-looking folk than many of us have turned out to be scoundrels. Satan is sometimes disguised as an angel of light.

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. Cheney & Co., Toledo, O.

We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by him.

NATIONAL BANK OF COMMERCE,
Toledo, O.

Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price 75 cents per bottle. Sold by all Druggists.

Take Hall's Family Pills for constipation.

Worms feed upon the vitality of children and endanger their lives. A simple and effective cure is Mother Graves' Worm Exterminator.

There is no poisonous ingredient in Hollister's Corn Cure, and it can be used without danger of injury.

A worthy preacher got so irritated at a singer in the congregation who used to show off his musical compass by changing from tenor to bass, that at last he burst out, "Mr. O'More, if you're to sing tenor, sing tenor, or if you're to sing bass, sing bass. But we'll have no more of your sandygaff."

WHIRLING BODIES

They Invariably Tend to Point to the Pole Star.

SCIENCE AND SPINNING A TOP.

That the Earth Revolves on Its Axis May Be Proved by a Simple Experiment With the Gyrostat—Phenomena of Rapidly Revolving Objects.

Spinning a top is not always child's play, although it has generally been regarded as a juvenile sport. Once in England top whipping was practically ordered by law. There was a huge top formerly provided in every village to be whipped in frosty weather that the peasants might be kept warm by the exercise and out of mischief while they could not work. Shakespeare in "Twelfth Night" says, "His brains turn like a parish top." Ben Jonson in "New Inn" writes, "He spins like a parish top," and Beaumont and Fletcher have "dances like a town top and reels and hobbles." Evelyn, the diarist, speaking of the uses of willow wood, says that it was ordered that "the great town tops should be made thereof."

Of late years, however, science has taken a hand in spinning tops with fruitful results. From spinning tops we can learn many interesting and valuable things. For example, we can prove that the earth revolves on its axis and calculate at what speed.

The phenomena of spinning bodies are extremely interesting. If you throw your hat into the air, but without spinning it, it will fall perhaps on one side, perhaps on the other, but if you give it a spinning motion before sending it into the air it will always come down the same side down as it went up. The same thing is true of coins and in fact of all objects spun in this manner. A knife, if merely thrown into the air, may come down at any angle, but if held point down and sent spinning into the air it will on falling stick its point into the floor invariably.

Other bodies acquire rigidity when spun rapidly. Thus a piece of chain if placed on a wheel and made to revolve rapidly will form a perfect circle and if thrown off the wheel suddenly will roll across the table or the floor just like a solid hoop until its speed is diminished, when it will fall into a huddled mass.

It is a strange fact that spinning bodies always tend to point to the north star—the pole star. Gently, but firmly, they seem to tug at their moorings in an effort to assume the angle that will point them in that direction. Once they have attained it they do not vary.

If, now, you want to prove the rotation of the earth by means of a spinning top you can do so as follows: Provide yourself with a gyrestat capable of being driven by electricity so that it can run for twenty-four hours or more without stopping. Set this going and point it to the north or pole star. It will soon assume that direction. Now, as the axis of the top is pointed in a certain direction (say the north wall of the room) and stays there without ever moving, this will be a guide to you to check off your observations. And as you watch you will notice that in six hours' time the top will point to the west and six hours later to the south, six hours later to the east, and at the conclusion of the twenty-four hours it will have completed the circle and will again be pointing due north. It will have completed the circuit of the four walls of the room.

What does this mean? It means that the room has revolved round the top, but as the room is fixed to the solid earth it implies that the whole earth has revolved round the top, which alone remained stationary. Consequently we have proved by this means that the earth has turned once round on its axis, and that it does so turn, and that the heavens remain still and stationary.

Many interesting astronomical discoveries have been made by the aid of spinning tops, and the facts obtained by their study have been applied to the rotation of heavenly bodies, the earth included, and the "wobble" of its axis has been calculated by this means. In many ways, therefore, the spinning top is a valuable scientific instrument.—Howard Carrington in New York World.

Effect of a Dream.

"The happiest dream I can recall," said a successful business man, "was with my good mother again, seated in the old home church. She placed her hand on my head and whispered, 'Son, I am proud of you.' That little statement has kept me out of wrongdoing more than all the sermons I have ever heard and, I think, has made me a better man."—Philadelphia Record.

KURIOS FROM KORRESPONDENTS

Q. Last winter my ducks seemed to have rheumatism. Are they subject to this? My ducks sleep on a dry earth floor. A. Ducks quickly go off their legs on damp, hard or cold floors. Their plaster droppings make it almost impossible to keep an earth floor dry unless it is continually scraped and something spread over it to dry the moisture. Their feet get cold quickly, and they can't stand that. If you bed your quacks dry and keep their lameness well ceased.

Q. Why is the Cayuga duck, the only true American duck, not more popular in this country? It certainly is fine eating. A. Its feathers are black. American cooks hate black pin feathers, and a black duck is horrid to pick.

Q. I have noticed that fowls at shows often get the feather eating habit and thus pass it around when they return home. Is this caused by lack of an element in ration or what? A. Fowls at shows are idle. They have nothing to do but endure the public gaze. So they just form themselves into mutual admiration societies and proceed to remove each others' garments.

Q. Would you recommend sawdust for scratch material and for the dropping boards? A. For neither. On the floor it will get mixed with the feed, and that means indigestion and death.

Q. I have pure bred Brown Leghorn chicks here whose parents show no sign of white and didn't when young, and yet these young ones show some white in tail, wing and breast. What could cause it? A. Likely overworking at night. They may molt them out before adult age.

FEATHERS AND EGG SHELLS.

It is said the egg trust, in attempts to block the Householders' league in its crusade against high prices, shipped large quantities of eggs over into Canada and paid a duty on them of 1 1/2 cents per dozen. There were too many eggs, however, for these exports to affect the supply, and the women come out ahead, anyhow.

The farmers' wives of this country produce most of our billion dollar poultry product, and the government tells us the farm hen averages but sixty eggs per year. The thoroughbred hens at the Storrs (Conn.) and Misour egg contests averaged 153 and 134 per hen respectively. We do not agree that the farm hen lays but sixty eggs per year, but it's a sure thing that if more farmers bought their wives pure bred birds the farm poultry production and poultry profits would boom immensely.

This year at the Allentown (Pa.) fair prizes will be offered for the laying and meat type of chicken. The winners in the meat type will be killed and dressed after the ribbons are up, so the farmers and fanciers may see what the judge considers a No. 1 type of market chicken is.

There is a movement on foot to secure state aid for poultry shows. We believe the state should first make adequate appropriations for poultry research on its experiment station, for poultry lectures at farmers' institutes and town associations. Then let the state establish a state show, county or district shows for the exhibition of utility poultry and eggs and place the appropriation and management in responsible hands.

Some farmers will spend \$100 to call the man who stole a bushel of corn, but they won't spend a red cent for traps, poisons or repairs to stop the rats and mice that devour and destroy bushels and bushels of grain in the fields, and barn, and granary, and corncrib, and cellar on their farms every year.

Case holding thirty dozen eggs is most too large to be filled promptly from the average farm flock, thus there is often a wait before the case is filled and part of the eggs deteriorate. A six or twelve dozen case is better and means better eggs and better pleased and better paying trade.

Mrs. John Weckesser of Bayonne, N. J., had the police court clerk issue a summons against the rooster of Mrs. Goldweber for assault and battery on her eighteen-month-old baby. If there is a preacher on the jury that poor rooster is sure to get it in the neck.

Two foolish ways to use louse powder or moth balls is to put them in the dust box and the nest. This is simply waste, and the balls are apt to spoil egg embryos. The bugs are on to the fowl, and the killer should be worked down through the feathers to the skin, where it will do execution.

Lo. M. Darnitz.

Asthma Doesn't Wear Off Alone. Do not make the mistake of waiting for asthma to wear away by itself. While you are waiting the disease is surely gathering a stronger foothold and you live in danger of stronger and yet stronger attacks. Dr. J. D. Kellogg's Asthma Remedy taken early, will prevent incipient condition from becoming chronic and saves hours of awful suffering.

Several cases of whiskey consigned to parties in Leamington were seized by Inspector Stone at Ruscomb.

FIGHTING A FIRE IN IRKUTSK.

A Comedy of Flaming Torches and Empty Water Wagons.

They fight fires in a peculiar way in Siberia. First you find the fire. The city is plotted into districts, each with its engine house and watchtower. On the watchtower by day and night stands a guard who scans the house-tops for a sign of smoke. When the fire has got enough headway for him to see the smoke he gives the alarm and the engines dash out. The spectator is amused, not so much at the dash as at the engines. They are primitive, and the use of them is more so.

We went to a fire one Sunday afternoon in Irkutsk, continues Mr. Richardson L. Wright in his book "Through Siberia." It was close to our hotel, so that we had an excellent view. First came a troika team that dragged a hook and ladder carriage. On the carriage hung the fireman, howling Cosacks with brass helmets jammed down over their ears, who carried in one hand—how the symbolism would have stirred the heart of Maeterlinck!—flaming torches. Behind the hook and ladder was the hosecart, and then came a hand engine of the type our grandfathers used to drag to fire. After that, for two blocks, trailed a queue of water filled hogsheads on wheels. The cavalcade passed us in a cloud of dust, accompanied by the yells of the torch bearing firemen. When the supply of water ran out the carts dashed down to the river and were replenished.

This crude high pressure service gave rise once to a rather humorous incident that the Irkutskians tell with great glee. During a fire several years ago a string of water wagons went down to the river, were filled and came rambling back. When they reached the fire the water was gone. The enthusiastic captain of hogsheads had neglected to put back the plugs in the barrels and had spilled his supply for several blocks along the main street.

TWO GREAT STARS.

Sirius is the Brightest of All, and Canopus Comes Next.

The results of that instrument of precision, the meridian photometer, are that Sirius is seven-tenths of a magnitude brighter than Canopus, which easily teaches that Sirius is brighter than any other star.

Canopus, next in brilliancy, is visible from that portion of the world south of north latitude 37 degrees, since its declination is south 53 degrees and 53 is the complement of 37. It therefore never rises above the south horizon of any point 37 degrees north. The latitude of this observatory is 34 degrees 17 minutes; hence Canopus rises very nearly 3 degrees above the watery wastes in the Pacific sea. Its low altitude makes it much fainter than higher Sirius, as the light must traverse layers of dust and water vapor near the earth's surface. Still it is magnificent, especially when standing over a calm ocean surface.

Canopus has no parallax that the highest power telescopes that can be made are able to measure. This is one of the most overwhelming facts within the entire range of human experience. This means that if one goes to Canopus with the most powerful telescope ever made, turns and looks back this way, the base line, the entire diameter of the orbit of the earth—185,764,000 miles—windles to a minute point too small to be measured by any microscope. Some idea may be had of the immensity of the universe by thinking of this fact during each space minute. Better to so think than to waste the precious moments.—Edgar Lucien Larkin in New York American.

Uncle Sam's Antecedents.

A reader asks how the name Uncle Sam came to be adopted for the imaginary genius who directs the destinies of this nation. The answer is very simple. "Uncle Sam" is merely a popular expansion of the letters "U. S." Albert Matthews once wrote a forty-five page monograph to prove this, and he showed that the expression went back to the year 1813. James Fenimore Cooper in "The Prairie" in 1827 spoke of "the well known initials that have * * * gained for the government of the United States the good humored and quaint appellation of Uncle Sam."—New York Post.

Right to the Point.

Some months ago excavations were being made for new tracks on the line of a certain railway. At one point a nearby resident obtained permission to remove a quantity of turf to resod the premises, the section foreman being instructed to notify the excavating "gangs" when the resident should have secured all he desired.

The foreman's report is as follows: "The man that wanted the earth has got it."—Exchange.

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quickly stops coughs, cures colds, and heals the throat and lungs. :: :: 25 cents.

Na-Dru-Co Laxatives
are especially good for children because they are pleasant to take, gentle in action, do not irritate the bowels nor develop a need for continual or increased doses. 25c. a box, at your Druggist's.

National Drug and Chemical Co. of Canada, Limited. 177

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From the beginning till the end of 1914 our aim will be CLEANLINESS and to use only the best material. Give our goods a trial and be convinced.

WEDDING CAKES A SPECIALTY.

LOVELL'S BAKERY

Home Hints

A man will spend \$25 to buy out flowers for his dead wife's coffin, when if he had spent twenty-five cents for a bunch of flowers for her when she was alive, she would have fainted. You wait until she is dead and then get some preacher to tell how good she was.

So far as possible, let all women dress beautifully; so God dresses the mountains and meadows. Let them wear pearls and diamonds, if they can afford it. God hung around the neck of His world strings of diamonds and braided the black locks of the storm with the bright ribbons of the rainbow.

Don't repress the buoyant spirit of your children; half an hour of merriment around the lamp and fire-light of a home blots out many a care and annoyance during the day and the best safeguard they can take with them into the world is the unseasonable influence of a bright little domestic circle.

An Objection to Sunday Funerals

Unless in exceptional cases, Sunday funerals are undesirable, especially in country towns and villages where the clergy on that day are not confined in their ministrations to one church, but more often than not take services at three different centers, being compelled to make long drives between each gathering. This fully occupies the whole day, and to be called upon to officiate at a funeral as well, upsets their usual routine, and usually means the cutting off of one or two of the services in outside districts. Apart from this, when the minister remains at one church he has Sunday school, Bible class and other work to attend to, and has no time for a funeral without upsetting the usual plains of the day.

There is no class of men who spare themselves less and are spared less by their congregations than preachers, and with six other days in the week for interments their agitation for the abolition of Sunday funerals is a reasonable desire for a concession which in 90 per cent. of instances would inflict neither hardship nor inconvenience upon anyone. In cases of emergency no objection would be offered to making an exception to the rule.

Worms are encouraged by morbid conditions of the stomach and bowels, and so subsist. Miller's Worm Powders will after these conditions almost immediately and will sweep the worms away. No destructive parasite can live in contact with this medicine, which is not only a worm destroyer, but a health-giving medicine most beneficial to the young constitution, and as such it has no superior, in Half an hour after Mrs. Richly had given her new maid an order she became uneasy and went to investigate. "Well, Mary, what has detained you? Have you found my Keats as requested?" "Yes, mum," Mary apologized. "I was just comin' back to ask what is a 'Keats'."

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CASTORIA
Vegetable Preparation for Assisting the Food and Regulating the Stomachs and Bowels of INFANTS CHILDREN

Promotes Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mineral. NOT NARCOTIC.

Design of Old Dr. SAMUEL PITCHER
Purifies the Blood
Relieves the Bowels
Keeps the Stomach
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A Perfect Remedy for Constipation, Sour Stomach, Diarrhoea, Worms, Convulsions, Feverishness and LOSS OF SLEEP.

Fac-Simile Signature of
Chas. H. Foster
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At 6 months old
35 Doses—35 CENTS

EXACT COPY OF WRAPPER.

BLACK KNIFE
STOVE
FOR BRIGHTNESS BLACK
A PASTE NO WASTE THE F. F. DALLEY & LTD. HAM.

CHINA
FRENCH, ENGLISH and in pieces suitable for Christmas at prices from 5c. to \$5.00

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AMERICAN and CANADIAN from 20c. to \$6.50.

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GENUINE BRASS, in pieces DINNER, TEA and T in latest designs and all

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I have received a shipment of fall goods which for style and quality can't be beat.

Ladies' Cushion Sole Shoe, with rubber heels, only \$3.50

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Just see them and you will buy. No old stock, all fresh new goods.

The Banner Shoe for Ladies Call and examine them

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Hats off
And me
O jolly,
You're
The man
And eh
May not
But he
Just thin
He pas
It's like
Or a tr
He smile
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CAS
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