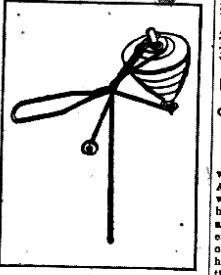


CORNER FOR THE JUNIORS

DEVICE FOR SPINNING A TOP

Shaped Wire Frame Holds Spikes of Toy Until Sufficient Momentum is Acquired.

An ingenious little device for spinning a top has been designed by Colorado man. It remains to be seen, however, if the top can be spun any better than the average small boy can do by carefully winding his cord up and spinning his top by hand. A Y shaped wire frame has recesses at the ends of the arms to receive the spike of the top and a spindle projecting from the head. Below this spindle is a circular groove around which the cord fits, but it is not necessary to wind the cord up. Just loop the cord around this groove once, leaving one



For Spinning a Top.

end long. Then pull the short end and in passing through the groove the cord revolves the top in the handle. When the top has acquired sufficient momentum it will fly out of the handle and spin on the pavement.

BEST TO PROVE ALL THINGS

Experience Teaches That It is Well to Experiment With Matters Contrary to Belief.

Whenever you read or hear anything that is contrary to your experience or belief it is always just as well to try it, if it is within your reach, before you repeat it to your friends, because if they know it is not true they may laugh at your credulity and you will get a reputation for being either unreliable or gullible.

Some years ago there was a paragraph going the rounds of the papers and magazines saying that any boy who wanted to cut glass and did not own a glazier's diamond could cut it with a pair of stout scissors if he was careful to hold the glass and the scissors completely under water. The same thing is still to be found in some of the books on scientific experiments. The reason alleged was that it is the vibration of the glass that shatters it, but that when both the glass and the scissors were held completely under water the water stopped this vibration. That this is not true any boy could have found out in five minutes by trying the experiment with an old negative. Glass and marble have to be cut in the same way, by making a slight crack on one surface and then breaking it.

ODD STUDY IN PERSPECTIVE

Many Things Young Artist Finds Difficult to Solve—Peculiar Illusions is One.

There are many things about perspective which are very puzzling. Young artists find much trouble in getting the perspective in their drawings to come out right, and sometimes we even find errors of this sort in the work of trained artists. The optical illusion in the picture is due to the defective drawing of the two men on the platform. In actual perspective upon the paper the further man looks much taller than the other. Measurement, however, shows the figures to be exactly of a height. The



An Illusion in Perspective.

Illusion is due to the fact that the head of the further man is out of perspective. If he is about as tall as the other, he will appear shorter. As shown, he is not a success more than eight feet high.

Waiting a moment.

Let a mother have a man, and she will find that she can't do it. The mother's job is to make a man.

Some women think it brings bad luck," answered his mother; "why do you say that?"

"Why do you have your children like snakes in the box, and I like one to break the hoodoo?"

A WISE LITTLE MOUSE



A little mouse hid from a hole in the wall. Then he saw a hole in the wall. A bit of cheese would be a treat.

But hardly had she found a shaft when suddenly she said, "What's that? It sounds like a great big cat."

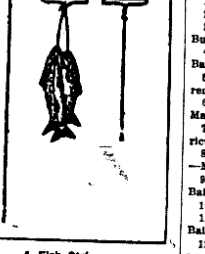
And sure enough, "he said to me, 'An old Tom cat had come that way. But mouse very quickly hid behind a big black kettle.'"

And "meat that cover she did stay Till Thomas Cat had gone away. Then, after eating, back she stole Wall filled and happy to the hole."

FISH STRINGER QUITE HANDY

Can Be Made in Few Minutes of Old Piece of Wire—Excellent Addition to Camp Kit.

Here is a stringer that will do good work on your camping trip, says the American Boy. Get a piece of wire which has been taken from a bale of hay and twist a hand-hold on one end as in Fig. 2. The other end is sharpened and must be concealed in a cork or bit of wood to avoid pricking the hands. The wire of the size mentioned is intended for small pan fish. If you are out for larger fish, use heavier wire. The bending is rather hard to do unless the wire is annealed. This means softened or made more



A Fish Stringer.

pliable. It is accomplished by heating the wire to a cherry red and then cooling as slowly as possible, by turning the fire down a little at a time. As you may readily see, the stringer is also used to carry the catch home. If you make one of them it will not take more than a few minutes and it will prove itself a worthy addition to your camp kit.

Clever Guesses.

What goes all the way to Milwaukee from New York without moving? The railroad track.

What is that which works when it plays and plays when it works? A fountain.

What will turn without moving? Milk.

Why is the letter "K" like four? You cannot make cake without it.

If there were five birds in a tree and a hunter killed two of them and they fell down, how many would be left in the tree? None—the rest flew away.

What is the difference between a bad boy and a postage stamp? One you lick with a stick and the other you stick with a lick.

Why is the letter "P" the most peaceful letter in the alphabet? Because it changes a friend into a friend, a man going upstairs and a man looking upstairs. One stays upstairs and the other stays up steps.

Why did the razor-hill raise her bill? To let the sea-robin see her chin.

What bothered Bobby? Bobby's father owned an incubator and one day the little fellow was watching a chicken energetically breaking its way through its shell. Just then his father came along and Bobby said:

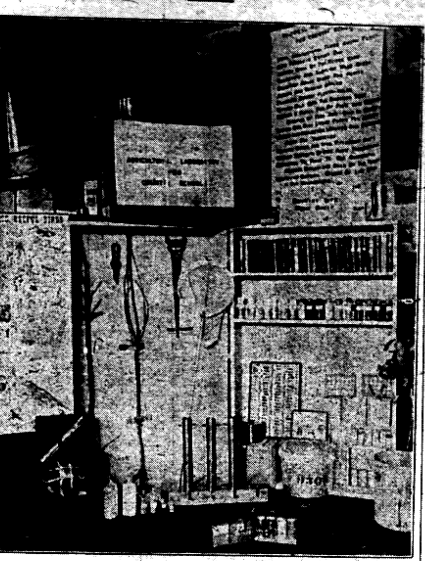
"Pop, I see how that chicken gets out of its shell, but what I can't understand is how he got into it."

Johnny breaks the hoodoo.

"Say, pa," said Johnny, "ain't this hoodoo?"

"Some peewees think it brings bad luck," answered his mother; "why do you say that?"

U. OF I. AGRICULTURAL EXTENSION EXHIBIT AT THE COUNTRY LIFE CONFERENCE



The agricultural exhibit prepared by the extension department of the agricultural college of the University of Illinois for the country life conference at DeKalb consisted of materials and apparatus for an agricultural laboratory for country schools, educational charts, a "Country Life Book Shelf" and collections of illustrative material.

The books selected and which are recommended for the "Country Life Bookshelves" in the country schools of the state contain the following titles:

1. The Land We Live In—Preston.
 2. Checking the Waste—Greory.
 3. Chapters in Rural Progress—Butterfield.
 4. The Country Life Movement—Bailey.
 5. Elements of Agriculture—Warren.
 6. Beginnings in Agriculture—Mann.
 7. One Hundred Lessons in Agriculture—Nolan.
 8. Manual of Practical Agriculture—Mennan.
 9. Principles of Fruit Growing—Bailey.
 10. Manual of Gardening—Bailey.
 11. Principles of Agriculture—Bailey.
 12. Farm Boys and Girls—McKeever.
 13. Practical Forestry—Gilford.
 14. Good Health—Gulick.
 15. Nature Study Ideas—Bailey.
 16. Report of Country Life Commission—Bailey.
 17. Insects of Field, Orchard and Garden—Sanderson.
 18. Rural Hygiene—Oaden.
 19. The Story of the Boll—Hopkins.
 20. The Corn Lady—Fields.
 21. Law for the American Farmer—Green.
 22. Neighborhood Entertainment—Stein.
 23. Agriculture for Country Schools—Cotton and Fisher.
 24. Encyclopedia of Agriculture—Bailey.
 25. Types and Breeds of Farm Animals—Plumb.
- The agricultural laboratory for country schools contained, among other things, the following:

SOIL MOISTURE FOR CROPS

Growth Should Never Be Retarded When It is Within Power of Farmer to Furnish Water.

The growth of crops should not be retarded at a time when it is within our power to provide them with moisture.

The average farmer begins every spring with an average supply of moisture in his soils to supply the crops through a rainless season, but on most of our farms the lack of drainage and indifference to the conservation of moisture reduces the yield of crops.

After the soil moisture has been allowed to evaporate we are powerless to provide a new supply for the crops that have been robbed. Summer droughts can be avoided in no other way than by improving the water-holding capacity of the soils and shaping the methods of tillage and cultivation so that we may prevent the loss of the moisture with which they are saturated at the beginning of the season.

On many soils under drainage is necessary and will produce wonderful changes in the character of the soil. It improves its action toward heat, light, penetration of roots, and the implements used in preparation and cultivation and stimulates beneficial action, which we are not likely to appreciate as an important factor in soil fertility.

Clean Milk and Health.

The Ten Commandments of Good Health with Respect to Clean Milk:

1. Milk spoils easily—keep it pure.
2. Use clean milk—clean milk contains no sediment.
3. Take the milk into the house without delay after delivery.
4. Do not use C.O.O.L.
5. Do not allow it to stand around in the house.
6. Keep it covered.
7. Keep it away from odors.
8. Keep milk bottles out of the sick room.
9. Pasteurize the milk for infants.
10. Visit your dairy.

The Compost Chart.

The raising of this tree usually depends on the soil on which it grows, and also on the amount of fruit which it is allowed to bear. If grown on rich, heavy soil, with the fruit thinned when it sets too abundantly, it will last probably 15 years. However, if grown on light soil and allowed to bear its excess, it lasts only about six years.

Honor for Dean Davenport.

By the order of the east of Russia, "Dean Davenport's" "Principles of Breeding" will be translated into Russian for the use of schools and agriculturists of that country.

Farm Knowledge.

It takes an good judgment to know how to use a new and reap as it used to maintain the farmstead of a good family.

NEWS OF ILLINOIS

Bloomington.—Raymond Miller, aged sixteen, and Eddie McEwan, aged seventeen, both of Chicago, were instantly killed when their automobile was struck by a T. P. & W. train at Weston.

Rock Island.—Frank E. Larson, late clerk of Prospect camp, Modern Woodmen of America, at Minneapolis, had been arrested there on a charge of grand larceny preferred by the National Surety company of New York, which is on his bond for \$5,000.

Vandalia.—Officers are searching for Henry McCart, a rural mail carrier—residing at Brownstown. It is charged that McCart mortgaged property not his own and forged notes amounting to several hundred dollars.

Mount Sterling.—The large barn of Wade Irving near the Illinois river was struck by lightning and completely destroyed. The loss estimated at \$10,000. It was filled with hay and all kinds of grain and farming implements.

Stratton.—Thomas Surphy, formerly of Kentucky, leaving a team in a field, sloped to Ottawa with Frieda Winters, the daughter of his former employer, and was married. He was arrested and put in the county jail on the charge that he swore falsely that the girl was of age, when she is only fifteen.

Elgin.—A man named Ballinger was the first victim of the automobile race here. He was killed in a motor accident while on the way from Chicago in an auto. He was driving the big Lozier in which Ralph Mulford won the Vanderbilt cup. Ballinger was employed by the Stromberg Motor Device company.

Bloomington.—Improvements in the postal service will be discussed at the ninth annual convention of the Illinois branch of the National League of Postmasters, which will be held in this city next Thursday and Friday, September 15 and 16. There will be addresses by many of the leading postmasters of the state.

Aurora.—Joseph King of Wheatland will appear before the magistrate in Joliet to answer a charge of assault preferred by Eugene Tattler, who has been paying attention to King's habits for some time. King is said to have run the young farmer from his home with a shotgun. His defense, he says, will be that "tattle was a pest."

Danville.—William Henry Harbaugh celebrated his one hundred and seventh birthday anniversary and is still hale and hearty. He came to Illinois and to Danville in 1833 and conducted the first blacksmith shop in this town at the age of seventy-five years. On his one hundred and seventh birthday anniversary he smoked his first cigar and appeared to like it.

Bloomington.—Labor troubles are believed to be impending in the shops of the Chicago & Alton. The Chicago Federation of Labor has charged nine boiler-makers who retired from the union because of heavy dues as a result of the strike on the Harbans lines.

Evanston.—Any one who can charm rats as did the Pied Piper of Hamelin would be a welcome visitor to this town at once. The rodents have given up the place that the authorities have given up trying to poison them and are seeking in Chicago to find a professional rat exterminator. Food sprinkled with phosphorus has been carefully avoided by the rodents for several weeks at this time. There will be exhibits from the many machinery houses, who will actively display and explain every new and modern device by attending to the entire day. In fact, the ten-day period of the show will have crowded into it more of real value for the dairy industry than any other show ever held for such a purpose. The man engaged in producing dairy products and the consumer will get immeasurable benefit by attending upon this entire day of tail working of all that pertains to dairying under one roof.

Unusual Occurrence.

Richard Harding Davis, during his Atlantic City honeymoon, said at a fish luncheon:

"I confess that I am not pleased with the modern trend of fiction. The newest fiction leaves a bad taste in the mouth. It is full of double entendres—like the parlor maid's remark: 'A gentleman came down breakfast one morning with bloodshot eyes. He drank eight glasses of ice water hurriedly, then he sneezed and hoarsely to the pretty parlor maid: 'Tell me, Adele, did I reach home last night very much under the weather?'"

"Indeed you did, sir," the maid replied. "Why, sir, you kissed the maid's face!"—Washington Star.

A Booklet for Investors.

The Harris Trust and Savings Bank, of Chicago, has issued a booklet entitled "Why Bonds Are a Safe Investment." It contains a list of persons planning to invest in bonds for the purpose of accumulating money for simple terms the purposes and uses of the values of bonds as safe investments and the reasons why they are safe. Copies may be had free on application.

Carload.

Hobson—I understand that you patronize Stutz the tailor. Does he suit you?

Harroppe—Not unless I pay his bill in advance.

Macomb.—A motorcycle ridden by Charles Wehman collided with a horse driven by three small boys. The horse galloped, the motorcycle overturned and it was cut loose with a pair of pluckers.

Galena.—Charles Edriss, fifty-two, shot and killed himself after he had been covered by a posse led by officers who feared he was insane because of his refusal to give up a revolver aimed at night armed with a loaded gun.

Carle's Carriage Shop.

Carle's Carriage Shop has the best made Carle's Carriage in the world. It's a pleasure to pull with, but it's a cry to pull with.

THE DAIRY INDUSTRY

The National Dairy Show, having arranged for a permanent home in Chicago, which is toward the Dairy Industry in all of its branches, and recognizing in all of its branches the importance of the cow as the foundation of all things Dairy, is undertaking to build an annual Exposition that will not alone prove to be a school for the farmer, but an advocate of the highest type for the more general and varied use of the products of the Dairy. To do this successfully we must first have the attention and interest of the manager and dairymen; next the support of the many interests allied with and collateral branches of the industry.

With this thought in mind, the management of the National Dairy Show desires to report progress made for the year 1912. The show will be held in Chicago, October 24 to November 1. We have secured from the best breeders of the different breeds of cattle that they will display their best specimens for the purpose of a very complete classification, and by obtaining the very strongest talent for judges we will be selected with a view to the purpose in view of making a ribbon at this great National Show an article of supreme value, settling the question of the yard supremacy each year after the show has done battle in the fairs and shows in their respective territories. We will make this show the yard mark for highest type of selection with the cow that we have all matters of breeding and feeding will be demonstrated as a guide to the old-timer and new beginner. Here is what we will have for you: Judges of National and International repute to pass upon the cattle; a Government exhibit in charge of experts that will display breed with records of test performance, the kind to own and the kind not to own; the test of feeds for results; the proper and improper methods of feeding and marketing and hygienic requirements will be illustrated and explained by experts of national repute. We have prepared a splendid premium list for Dairy Products which will bring out a strong lot of contestants with milk and cream exhibits for honors; butter and cheese makers will enter their products for supremacy and every thing that can be developed for the benefit of the industry will be shown. The selection will be also by the National League of Postmasters, which will be held in this city next Thursday and Friday, September 15 and 16. There will be addresses by many of the leading postmasters of the state.

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