FOUGHT IN MIDAIR REASONS FOR GROWING OLD.

EXPERIENCE OF STEEPLEJACK WITH CRAZY COMRADE.

Worker Tells of the Time When Dan O'Brien Had an Impulse to Jump and How Narrowly a Tragedy Was Averted.

"Did you ever have an impulse to jump off a steeple?" I questioned, recalling the sensation of many people in looking down even from a houseton,

"I've kept pretty free from that," said he; "but there's no doubt climbing steeples does tell on a man's nerves. Now, there was Dan O'Brien; he had an impulse to jump off a steeple one went mad on one of the tallest spires in Cincinnati; right at the trop of it."

"Went mad?" "Yes, sir, raving mad, and I was by er the church was Baptist or Presbytehand on top of the steeple, the forefinger pointing to heaven.

We were putting fresh gilding on thumb side and O'Brien on the littlefinger side, both of us standing on tiny and both of us made fast to the steeple absolute rule in climbing steeplesnever to do the smallest thing unless you're secured by a lifeline.

"It was coming on dark, and I was cause we'd given the hand a fresh coat morning. We hadn't spoken for some time, when suddenly I heard a laugh from O'Brien's side that sent a shiver that a Planarian separates off down my spine. Did you ever hear a crazy man laugh? Well, if ever you him, and saw by his face that something was wrong.

"'What are you doing?' said I.

"I thought I had better keep him in

ground in our saddles.' "That's a fair idea,' said he in a

shrill voice, but I've got a better one. We'll race down without any saddles; yes, sir, without any lines, without a blamed thing.' "'Don't be a fool, Dan. What you

want to do is to get that gold onquick.' I tried to speak sharp. "No, sir; I'm going to jump, and so

are you. "I caught his eye just then and saw it wasn't any time to bother about gold leaf. I reached up and eased the hitch of my line around the hand so I could swing toward him. I knew if I once got my grip on him he wouldn't make any more trouble. But I'd never had realize how tricky and quick they are. While I was working around to his side and thinking he didn't notice it, he was laying for me out of the corsaddle-board helpless, and if it hadn't grams of blood. him with it. The tool happened to be practiced. a monkey-wrench, and when a man have fallen if it hadn't been for the enter. From three to five grams of solifelines.

What the Sign Says.

An unusual way of asking golfers for their co-operation in keeping their course in good condition and in re-

Aeroplanes Meet in Air.

meet as if attacking, "lock horns," and plunge downward together. For six thousand feet they fell, performing all manner of gyrations, while the spectators watched horrified. The ma- lamps have played an important role chines finally landed in the top of a in at least one engagement around Vertree and the four men were taken dun, namely, the retaking of the Haudown uninjured.

How We Waste Wood.

mills in the United States, and their showed brief visions of carnage and output of waste in the form of saw- terror. Friend often grappled friend. refuse is estimated at 36,000,000 cords fastening an electric pocket lamp to a year-enough to fill a bin one-half the tunic button. The light gave the mile high with a base covering a Germans a better mark, but enabled forty-acre lot, or to make a solid the French to rally together and sweep forty-acre lot, or to make a some the foe back in the final rush en mersed in a distreture or iodine. The result is a positive photograph, on each edge.-Literary Digest.

Men of Research Have Been Unable to Agree as to Why the Human Frame Debititates.

To the question. "Why do we grow old?" many answers have been given. Meischnikoff suggested that we are poisoned by the absorption of the products of bacterial activity in the large intestine, for this brings about hard ening of the walls of the arteries and also corrupts our bodyguard of wandering amoebold cells so that they become traitors, turning upon the cells of the central nervous system Others have suggested other modes of autointoxication. To some it has seemed enough to refer to wear and tear of hard-worker organs like brain and heart, liver and kidneys, for a chain is no stronger than its weak day, and a strong impulse, too, He est link. Others have referred to the waning activity of the all-important organs of internal secretion, and others to the important fact that there is no multiplication or replacement of him when it happened. I forgot wheth- the cells of our central nervous sys tem after a very early date in our life rlan, but I know it stood on Sixth It may be pointed out, however, that street, near Vine, and there was a big most, if not all, of the theories break down because they do not admit of all-round application. Thus it is plain that many animals that are not this hand. I was working on the troubled with a large intestine nevertheless grow old. Furthermore, the theories seize on symptoms rather stagings about the size of a chair-seat, than on causes, for while it is good sense to refer to wear and tear, by lifelines under our arms. That's an question arises why all animals do not exhibit the perfect recuperation to which some at least have attained.

Prof. Child, of Chicago, has been working for 15 years or more with hurrying to get the gold leaf on, be simple creatures called Planarian worms. One of the features of their of sizing that would be dry before life which he brought to light is their enpacity for periodically becoming young again. Thus it often happens posterior third or quarter of its body, which speedily grows into a whole do, you'll remember it. I looked at while the diminished original heais itself and grows a new tall. When

a Planarian is starved it can continue living on its own resources for sev-"He answered very polite and steady eral months. Its cells become smaller like, but his tone was queer. 'I'm try- and they also become fewer, but life ing to figure out how long it would is not surrendered. Such facts have led take a man to get down if he went the Prof. Child to a survey of the animal kingdom, the result of which is to show that there is a much wider oca good humor, so I said: "Til tell you currence of rejuvenescence than has what, Don, you brace up and get this been hitherto realized. It occurs gold on, and then we'll race to the especially in connection with vegetative multiplication, but there are other occasions in which the creature becomes younger in whole or in part by lying low for a season. Perhaps this may be part of the value of processes of dying back and rearrangement which occur in winter in some animals and in many plants.

Blood Transfusion.

This month's number of La Revue describes a new method of transfusion of blood, an operation often necessary under conditions which do not always allow certain precautions to be taken.

The method is due to Prof. Luis Agote, an Argentine surgeon, and sucessful experiments have been made a crazy man to deal with, and I didn't before the rector of the Sorbonne, the dean of the faculty of medicine, and several professors and doctors.

Blood is taken from the bend of the elbow of the subject willing to lend ner of his eye, and the first thing I his aid and collected in a receptacle knew he had me by the throat and which contains a solution of neutral everything was turning black. I let citrate of soda, prepared in the progo of the line and dropped back on my portion of one gram of salt for 100 been for blind luck I guess the people vents the blood from coagulating, down below would have got their without destroying its vital propermoney's worth in about a minute. But ties, and as the citrate employed is inmy hand struck on the toolbox as he offensive to the organism it can be inpressed me back, and I had just lected into the forearm without danstrength enough left to shut my fingers ger, thus obviating the chief draw on the first tool I touched and strike at backs to the transfusion as generally

The receptacle for the blood drawn gets a clip on the head with a thing is a graduated glass with double tublike that he's pretty apt to keep still ing and has a large enough opening to for a while. And that's what allow the blood to fall directly into O'Brien did. He keeled over and lay it. The end is pointed to allow the there, and I did, too, until my head got tube for injection to collect the maxi-

steady. Even then I guess we'd both mum of blood without allowing air to lution are placed in it, a sufficient quantity for 300 grams of blood .- Paris Correspondence to New York Sun.

Investigating New Serum

Scientists in the Johns Hopkins unifraining from undesirable practice is versity are experimenting with a newemployed by a Cincinnati golf club, ly discovered serum which they believe which has placed a large sign beneath will eventually be able to restore a the bulletin board on the first tee of person to life after asphyxiation or the course, according to Popular Me-drowning. The experiments performed chanics magazine. It reads: "Treat upon animals in a number of instances the course as though you loved it." restored them to life after they had Every player is sure to see the request been to all appearances dead for sevbefore starting over the links. A eral hours. A few days ago an anisimilar sign has been put up at the mal was brought back to life four hours after its apparent death by the injection of this serum. In this case, however, the animal died shortly after One of the most remarkable acci- ward from blood pressure. It is be dents in the history of aviation is re- lieved that this tendency can be overported from the cattle front. Two come and the new serum utilized in French flying machines, each contain- the resuscitation of human beings who ing a pilot and observer, were seen to would otherwise "die" permanently.

> Electric Lamps in Verdun Fighting. According to a special correspondent of the New York Times, electric pocket

dromont quarries by the French, of which he says in part: "Underground in the quarries the darkness was abso-There are more than 48,000 saw- lute save when bursting grenade dust, shavings, slabs and other wood until the French adopted the plan of

Plenty of Fresh Air and Pure Water Will Keep the Doctor Away

By DR. R. H. BISHOP, JR. mmssioner of Health, Clereland, Ohio

If everyone would drink as much pure water as they ought and breathe as much fresh air as they think they do, no one would have to think about a doctor.

Air is the first necessity of life. It is more important than good food-it is even more important than water. We can live days without food, a considerable time without water, but we cannot do without air more than a few minutes.

Air that is good for breathing purposes should be fresh, cool, have motion and the proper degree of humidity. Drafts signify danger to most people. Yet a gentle draft is one of man's best friends.

Colds do not come from drafts. They are various forms of catarrhal disease and are caused by germs. Of course too strong a draft will chill some portion of the body so much as to lower its resistance to these germs, but as a general rule air currents do more good than harm.

The proper way to get good ventilation in a house is to have a crosscurrent of air. To do this you must have an entrance for fresh air and an open window or door on the opposite side of the room for the used air to go out by.

When this is not practical, circulation of air can be secured by having are just as good, and really it is a a window open both top and bottom.

Stagnant air is almost as bad as no air at all. If impossible to obtain this natural motion of air, artificial means should be employed. Electric fans are good. Hand fans help. American men could well adopt the custom of the Jap, who goes to his business with a fan in his hand.

In this country there are 35,000 deaths annually from typhoid fever-most of the cases being caused by infected drinking water.

In European cities where for many years especial care has been taken to provide safe water supplies, the annual death rate from typhoid fever seldom exceeds 10 per 100,000 people, while often the rates are lower than

The water we drink should be wholesome, absolutely clean, and free from an excessive amount of minerals.

hens are.

eased.

breeding purposes.

form products.

fectant.

door up tight.

feed regularly.

method

try.

Do not

kerosene and gasoline.

POULTRY POINTERS

Sudden fright and excitement at

once tells on the egg crop. Never

Market the broilers and all the roost-

Uniform products command the best

When selling the eggs to the coun

the transaction be on a quality basis.

thoroughly and spray with a disin-

Clean up the incubator; use a good

Regularity of feeding means much.

Those who feed spasmodically are

likely either to injure the fowls by

overfeeding or not give enough, per-

haps both. The birds should have their

time and in the right manner. This

There should be method in marketing.

but the quantitiy should be ample. It

Method has much to do with poul-

try raising even where farmers have

small flocks. Just as method is re-

sponsible for much in general farm-

ing so is it important in raising poul-

Things You May Not Know.

god, doing no fishing, but utilizing the

Sugar is extracted from 16 varieties

Under normal conditions, France

Penrls are steadily increasing in

value; they are now worth three times

The two-edged weapons are found

among the earlier specimens of Jap-

Biblical mention is made of 19

different precious stones, 6 metals, 104

trees and plants, 35 animals, 39 birds.

The diver's boots weigh 20 pounds

It is said that a lion will not attack

a trainer who has perfumed himself

London's inhabitants include 417,000

The first lighthouse on the conti-

ent was built in 1715, at the entrance

of Boston harbor, by the province of

Massachusetts, and was supported by

light dues on all incoming and outgo-

ing vessels, except coasters. Several

Milk is sold in bricks in Siberia.

each and the helmet 40. In addition he

as much as they were ten years ago.

makes 26,000,000 pairs of gloves per

of paims which grow in Ceylon.

time to mend their nets.

anese metal working.

other small creatures.

is otherwise weighted.

with lavender.

flat dwellers.

Colonies.

Not only should feeding be regular,

After one fot of chickens is re-

prices. Purebred fowls produce uni-

ers that you don't want to keep for

FILM FAVORITE



Anita Stewart

Movie star who recently has built a magnificent country home near New York, out of some of her earnings on the stlent stage.

All Around the World.

It is estimated that nearly 70,000,000 wild animals are killed yearly for the

Electrical machinery has been installed in the world's richest iron mine, which is in Lapland.

T. E. Wilson, once an office boy, now draws \$200,000 a year as head of a New York corporation.

A calculator that shows the money values of one country in the terms of several others and applies the values to various weights and measures has been invented by an Englishman.

The records of the American consulate at Grenobie, France, show shipments of women's gloves to the United States during 1915 to the value of \$1,168,819, compared with \$1,875,185 in

According to a French scientist, digestion proceeds more swiftly when persons are recumbent than when erect because in the process of evolution the stomach has not advanced as rapidly as other organs.

Americans in Shanghai, China, are planning to form an American Country club. As there are 1,500 members of the American colony it is expected that the venture will be successful. Shanghat Americans already have a chamber of commerce, an Association for China, a bar association, a volunteer com-pany, university club, women's club, and other organizations.

Making Photograph on a Leaf. A photograph on a leaf is an interesting curiosity easily made as follows, from the Scientific American: Fasten a negative with strong contrasts to a very smooth, thin, hairless growing leaf-such as the Indian cress, scarlet runner or nasturtlum, and leave it exposed to strong sunlight for several hours. Then cut the leaf from the plant, steep it in boiling water for half a minute, then immers It in warm 80 per cent alcohol. After a little time the leaf, now white, is imoften of surprising sharpness.

boiling water and allow to boil 15 minutes, stirring often with a fork so as not to break, then drain and add to

Nutritious and Appetizing Dish That

May Be Prepared at Compara-

Two pounds of shank (or any pre-

ferred cut). Have saucepan very hot,

water to just cover meat, cover close-

ly and simmer slowly until nearly

done. Do not add more water unless

small pieces of onlons. At the same time put macaroni to cook in rapidly

tively Small Cost.

meat. Cook all together until potatoes are done; take out thick part on deep platter, thicken gravy with tablespoonful of flour dissolved with little cold water, bent very smooth, then pour contents in platter and serve very hot. Dumplings can be added. but we never eat them. We like it made of round steak, but cheaper cuts delicious dish.—Boston Globe

GOOD THINGS TO KNOW

When ironing table linen, Iron with the selvage and not across the grain. To clean bamboo furnture use a brush dipped in warm water and salt. The salt prevents the bamboo from

Salt rubbed on tea cups will remove tea stains, and discoloration on crockery or china will respond to the same treatment.

To clean collars apply benzine and after an hour or more, when the grease has become softened, rub it or remove with soapsuds.

A little clear coffee can be added to starch for tan or cream materials, and this is better than pure white starch in many colored things.

For black garments black starch is sold that is quite satisfactory. White starch is almost sure to give unsatisfactory results on black material.

allow strange dogs about where the Iron saucepans should be cleaned as Don't relax the care of the chicks. soon as possible after use, and if anything greasy has been boiled in them They will become inactive and disput in some soda and boil up.

To Whip Condensed Milk.

Place one can of condensed milk in water and heat to boiling. Remove promptly and thoroughly chill by placing the can on ice. When cool, open the can and pour the milk, the entire try merchant or cash buyer, insist that contents of a small can or half the contents of a large one, into a chilled bowl, moved from the brooder house, clean cracked ice. After the milk has become thoroughly chilled whip in the regular way with an ordinary egg beater for five minutes. Sweeten and fladisinfectant; empty the oil and throw vor if desired. Keep it on ice until the wick away. Allow the machine to served. Condensed milk will whip dry thoroughly before closing the without heating, but there are better results when following the above di-

Suet Pudding With Sterling Sauce. One cupful finely chopped suct, one cupful molasses, one cupful milk, three cupfuls flour, one teaspoonful soda, Eggs are easily affected by bad one and a half teaspoonfuls salt, onehalf teaspoonful each ginger, cloves, bin, or in the vegetable cellar, or nutmeg and one teaspoonful cinnawhere they can absorb the odors of mon. Mix and sift dry ingredients; add molasses and milk to suet; com-Marketing must be done at the right bine mixtures. Turn into buttered mold, oover and steam three hours. is very important for it will be the Serve with sterling sauce. Raisins final test of profitable poultry raising. and currants may be added.

Sterling Sauce-half cupful butter one cupful brown sugar, one teaspoonful vanilla, four tablespoonfuls cream would be waste of feed to give too or milk. Cream the butter, add sugar much, but enough should be given and gradually and milk and flavoring drop just enough. Surely this requires by drop to prevent separation.

> Creole French Dressing. Four tablespoonfuls of the best

olive oil, one tablespoonful of vinegar, one teaspoonful of dry mustard, yolk of one hard-boiled egg, salt and pepper to taste. Rub the oil into the mustard, a drop at a time, until mustard is moistened and smooth, then alternate the oll and vinegar until all is in. When smooth add the hard-The fishermen of the Gold coast of boiled egg, salt and pepper to taste, of the tractor to swing about a ver-Africa devote each Tuesday to the sea and beat well. If the oil seems to separate, a few drops more of vinegar and a hard beating will make it smooth again.

Using Left-Overs. Here is a good way to use cold tongue, even if there is only an end left that is too small to slice: the cold tongue into small dice. Now put two tablespoonfuls of butter into a saucepan and let it melt slowly. Add the same amount of flour, salt, pepper, and the juice of half a lemon. Add a cupful of strained tomato pulp. Simmer slowly for ten minutes. Strain. then return to the saucepan, lay in fishes, 11 reptiles, 20 insects and the tongue, and let it stand where it will keep hot without boiling for five A rifle ball covers 1,200 yards in two minutes. Serve in a hot platter.

Homemade Cork Cleaner.

When cleaning steel knives I have found that a cork is much better than a cloth for rubbing on the soap or scouring powder. It cleans the knives quickly and at the same time polishes them. A cork from an olive bottle is the best.-Exchange.

Prune Salad.

Mix fine quality prunes, steamed, stoned and cut in pieces, with shredded nuts-pecans, walnuts or almonds. Serve on lettuce with a cream mayonnaise in which is mixed a little celery. other lighthouses were built by the finest cutter of the meat grinder.

BEEF SERVED WITH MACARONI PROTECT CORN FIELDS

Plow Land in Midsummer to Eradicate Cutworms.

fry out a piece of fat or grease bot-Vegetation Suitable for Moths to Lay tom with butter, cut up meat and Eggs Upon Is Removed-Pasturplace in pan, allowing to fry until ing Hogs on Infested Land Is seared on every side. Salt and pepper, dredge with flour, pour on boiling Good Practice.

Land to be planted to corn the following spring, especially such land as there is danger of going dry for you has laid in grass for a considerable only want enough for gravy and not a time and is likely to contain cutstew. Twenty minutes before serving worms, should be plowed in midsumpare potatoes and add whole with mer or early fall about the time the eggs are laid, or better, before the eggs are laid, for then vegetation which is suitable for the moths to lay their eggs upon is removed. The earlier the preceding year grasslands to be planted to corn are plowed, the less will be the probability that the cutworm moths will have laid their eggs thereon, and the less, consequently, will be the danger of injury by cutworms the following year.

Late fall and winter plowing of grasslands, although not as effective



Variegated Cutworm-a, Moth; b. Normal Form of Caterpillar, Side View; c, Same in Curved Position; d, Dark Form, View of Back; e, Greatly Enlarged Egg, Seen From Side; f, Egg Mass on Twig.

as early plowing, will destroy many of the hibernating cutworms, as well as such other important corn pests as white grubs, and should be practiced when earlier plowing is impracticable.

Pasturing hogs upon land supposed to be harbor cutworms is a beneficial practice, as these animals root up and devour insects of many kinds, including cutworms, in large numbers, Farm poultry, if trained to follow the plow, will prove of inestimable value.

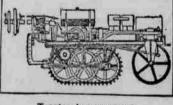
When cutworms are found to be abundant on corn land, the use of the poisoned bait is recommended. This may be prepared as follows: Mix 50 pounds of wheat bran, 2 pounds of paris green, and 6 finely chopped orplaced in another bowl filled with anges or lemons. Then bring the whole mixture to the consistency of a stiff dough by the addition of a cheap molasses, such as is used in cattle rations, adding water when necessary. Distribute this balt over the infested field in small lumps, taking care to sprinkle It sparingly around each hill. In case bran cannot be readily obtained, middlings or alfalfa meal may be success fully substituted.

Frequently cutworms migrate to cultivated fields from adjoining grassland, and in such cases the crops can be protected by running a narrow band of the poisoned balt around the edge of the field or along the side nearest the source of infestation.

IMPROVEMENT ON A TRACTOR

Joliet Manufacturer Granted Patent on Steering Mechanism-Draw-Bar Pivoted to Rear.

Patents were recently granted a Jo-Het, Ill., manufacturer on an improvement in the steering mechanism. A draw-bar is pivoted to the rear portion



Tractor Improvement,

tical pivot, this draw-bar having a rearwardly extending part in combination with the drive wheel and steering wheel.-Farming Business,

ACTIVE FEEDING TREE ROOTS Does Not Do Much Good to Pour Wa-

ter Around Stem-Distribute It Around Under Branches.

(By W. C. PALMER, North Dakota Agricultural College.) The active feeding roots of a tree are not near the trunk, but out on the very ends of the new roots.

In watering a tree it does not do much good to just pour water around

Distribute It from the trunk out as far as the branches reach.

GET INFORMATION ON SPRAYS

When in Doubt Write to State Experiment Station or Department of Agriculture at Washington.

If you are not perfectly sure that you know just when and how the spraying should be done, write immediately to your state experiment station, or the department of agriculture, Washington, and ask for information. It will be furnished in printed form, very finely minced, or run through the free of charge, and very plainly stated. Den't put it off. Write today,