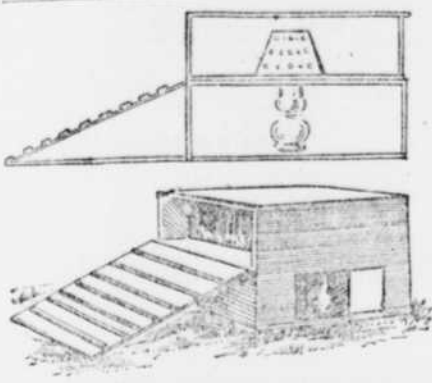




A Home-Made Brooder.
The brooders sold by manufacturers are usually all that are claimed for them, but when one desires to economize, a home-made affair can be constructed by anyone with a little ingenuity which will work nicely. Take two boxes of convenient size, three feet square by fifteen or eighteen inches high is a good size, and set one on top of the other, cutting a hole through each directly in the middle. The hole in the bottom or floor of the upper box is covered with an inverted tin pail, or can, which is perforated at intervals of two inches, using a wire nail for the work and punching in. Fit this can snugly over the hole and place the regular brooder lamp underneath it, resting on floor of the lower box. A little door is made in the side of the lower box so that the lamp may be properly attended to. The roof of the upper box is lined with cotton flannel, as are also



HOME-MADE BROODER.

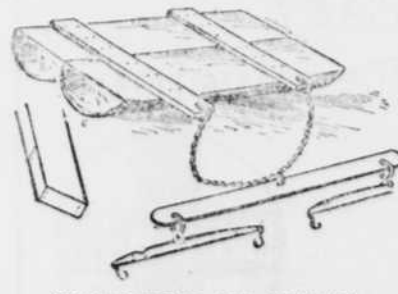
the sides, except the front, which is left open and across it, three inches from the edge, is nailed a strip (double) of cotton flannel, which is cut in strips an inch wide. A walkway is built from the ground to this opening through which the chicks pass. Essential ventilation may be had by boring a few tiny holes in the upper box at a point furthest away from the lamp.—Exchange.

Hoed Crops in the Orchard.

The best orchardists are averse to growing anything in the orchards but the trees even when the latter are young. They argue, and properly, that the growing trees need all the virtue there is in the soil and that if the apple crops in future years are to be of any value they must be provided for during the earlier years of the trees. There are fruit growers, on the other hand, who insist that a hoed crop will be of benefit to the trees, and that this may be considered so under certain conditions and up to certain limits. If the soil in the orchard is kept up to the highest state of fertility so that the trees will not suffer the want of the portion of the fertilizer taken by the hoed crop, then the latter can do no harm, indeed, it will be of value because the soil will receive a certain amount of cultivation which, perhaps would not be given it if it were not for the hoed crop. Work the hoed crop in the orchard cautiously, and watch the effect on the trees.

A Portable Implement.

On soil that is inclined to lump up some implement must be used which will level the soil readily, and at the same time crush the clods. Such an implement can readily be made at home and be quite as effective as those which must be bought for the purpose, if one has a leveling toward manufactured articles. This home-made clod crusher and soil leveler can be made of a log of hard wood by splitting it in half. The log should be about two feet in diameter to work to the best advantage. Lay the two halves of the log side by side with the rounding part down and at either end, about a foot from the end, spike a two-by-four strip, letting them project out sufficiently far at one side so that an iron strip or loop may be set over the ends, fast which to hook the whiffletree



CLOD-CRUSHER AND LEVELER.

chains. This implement can be made at small cost, and unless the logs are too heavy a good team of horses can handle it nicely. The illustration shows the idea clearly and how very simple it is.—Indianapolis News.

Preserving Eggs.

If eggs are cheap in the local market preserve them for use in the fall and winter. The water-glass way is the best. Dilute the commercial solution with ten times its bulk of water. A gallon will cover seventy-five dozen eggs. Next winter they will bring only a few cents a dozen less than fresh eggs. Preserve only fresh eggs. No process can improve a stale egg. Pack in wooden or earthen vessels, putting the eggs in from day to day with a wooden spoon to avoid breakage. Keep them covered with the solution and keep the vessels covered and in a cool place.

Caring for Chicks.

When chicks are removed from the incubator to the brooder great care should be taken that they do not become chilled. The floor of the brooder should be covered with fine, clean chaff. Fine sand and clean water should be in the brooder from the beginning. All the fine, dry bread crumbs they will pick up every two hours should constitute the feed for several days, gradually adding rolled oats, hard-boiled eggs, cracked wheat, Johnny cake, millet seed, etc. Milk and water should always be kept in the fountains. When three weeks old make mash of bran, meal, middlings, beef scraps, table refuse, all salted to season and mixed together with skim milk. Alfalfa leaves may also be thrown into the brooder in the place of straw or chaff. The mash in the morning, wheat at noon and cracked corn or kafir corn at night constitute the main feed to keep the chicks growing.

More Oleo Now Being Made.

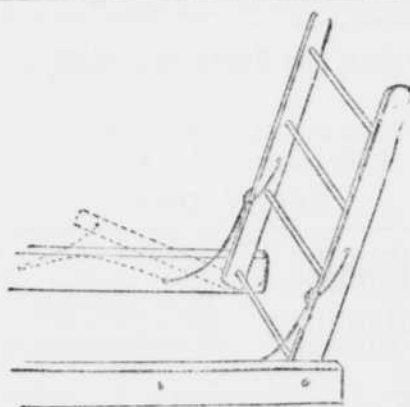
Butter men may well find food for thought in the figures showing the big increase in the oleo output for the last six months of the past year, says the American Cultivator. There was an average gain of more than a million pounds a month as compared with the same period of the preceding year. The figures include both colored and uncolored oleo, and the relative gain in many dairymen that the product final—the uncolored product suggests to the consumer in some mysterious manner, having acquired the yellow hue without the payment of the 10-cent tax. Nobody seems to be buying or using uncolored oleo in a retail way, yet the output of the product is increasing to an enormous extent. The present high price of butter is, of course, a stimulus to the bogus butter industry.

Shape of Ideal Dairy Cow.

Whether she be a Holstein, a Jersey or whatever she may be, you will find the typical dairy cow with heavy head and strong jaw, long between the eyes and nose, with broad muzzle. She should have a bright, protruding eye, which means strong nerve force and action later on. She should have a thin neck and retreating brisket. The lines above and below must not be straight, or she will steal from you. She should be slightly depressed behind the shoulders with a sharp chine—not too straight a backbone. She must have large organs of reproduction and large heart girth, wide between fore legs and sharp on shoulders, which gives large heart action and strong arterial circulation. And last, but by no means least, she must have a good udder, for one-half the value of a cow is in her udder, which should be long from front to rear.

Holder for Hay Rack.

I used a pair of the jointed braces to a commonplace top buggy, writes a correspondent. The illustration explains the position of braces on rack when standard is up and down.



HOLDER FOR THE HAYRACK.

Fasten braces on outside of standard and on inside of bed piece. By taking brace and trying you can soon tell how far back to fasten it.

Pigs Do Well on Alfalfa.

When your pigs weigh about fifty pounds each, turn about twenty-five head in an acre of alfalfa pasture and they will make a gain of about 100 pounds each during the growing season, says an Indiana farmer. They will need no other feed, but can be given a supplementary feed of grain if you wish the gain to be better. From this you can figure up a fine return for the use of an acre of alfalfa—2,500 pounds of pork, worth at the low figure of \$4 per 100 pounds, \$100. But prices are much higher now and you can get more for your pork. Again your hogs will almost always be free from any disease.

Poultry Pointers.

Never refuse a fair price for a bird that you do not want for breeding purposes. At the same time never sell a good bird that you want yourself.

Do not feed the newly hatched chickens too early; wait at least twenty-four hours. There is sufficient amount of food in the shell for the chick this length of time.

In feeding fowls always keep in view the fact that the excess of food over and above that required for warmth of body and egg production will be converted into fat.—Journal of Agriculture.

Cowpeas for Fertilizer.

In green manure tests made at the Kansas Agricultural College during last fall cowpeas were found excellent to sow both in corn and wheat stubble. The crop also makes good pasture, and is a good winter covering. Since cowpeas take their nitrogen largely from the air by means of the bacteria which grows on their roots, the soil is actually made more fertile by the growing of this crop. It is a hot-weather grower, and quite hardy.

A Unique City.

In one respect, Quito, the capital of Ecuador, is the most unique city in the world. It is situated in both the northern and southern hemispheres—if we accept the equator as the real dividing line—a distinction claimed by no other place of importance on the globe.

At Quito the sun rises and sets at 6 o'clock the year round. You may forget to wind your watch while you are visiting the Ecuadorian capital, but you need not hunt up a regulator; set it when the sun rises or sets, and you will be sure to be right. Old Sol makes no mistakes.

The seasons, as far as names are concerned, change almost instantly; but, as the temperature is remarkably even, these curious points are seldom thought of by the people who make Quito their home.

The Mole Has Eyes.

The majority of people believe that the mole is even "blinder" than the proverbial bat, but the naturalists know that such is not the case. Sir John Lubbock and Carl Hess, the latter a noted German naturalist, by careful investigation proved that the mole has eyes which are as perfect as those of a horse or an elephant. They are very small optics, to be sure (only one millimeter in diameter), but in the matter of reflection and refraction do not differ from the normal eyes in larger animals.

FITS St. Vitus' Dance and all Nervous Diseases permanently cured by Dr. Kline's Great Nerve Restorer. Send for FREE 24-page booklet and treatise. Dr. R. H. Kline, Ltd., 931 Arch St., Philadelphia, Pa.

Our Locked Up Forces.

It is the locked up forces within that lie deep in our natures, not those that are on the surface, that test our mettle. It is within everybody's power to call out these hidden forces, to be somebody and to do something worth while in the world, and the man who does not do it is violating his sacred birthright.—Success Magazine.

Satisfied Them All.

Aunt Panthea Brooks lived in a little New Hampshire village very many years without quarreling with any one, and was so thoroughly liked by every one for miles round that her popularity excited the interest of a summer visitor.

"Aunt Panthea," he asked, "how is it that you keep on such good terms with every one, while they are all quarreling among themselves?"

"Well," said Aunt Panthea, "being as you aren't to stay here long I'll tell you. When I go down the street I meet Jason Purdy, and he says, 'Why, Panthea, how well you look?'"

"I'm glad you think so, Jason," I say, smiling at him.

"Next minute up comes Ezra Draught. 'Well now, Panthea,' he says, 'how poorly you are looking this year.'"

"My land, Ezra," I say, "how quick you are to notice those things!"

"So it is with everything. Those who like to think one way, I let 'em think it, and those who like to think the other, I let 'em think it."

Who can deny that Aunt Panthea had discovered a comfortable philosophy of life?

Values.

"After all, a kiss is worth only what the contracting parties think it's worth."

"Well, a girl's kiss is always worth its face value."—Philadelphia Press.

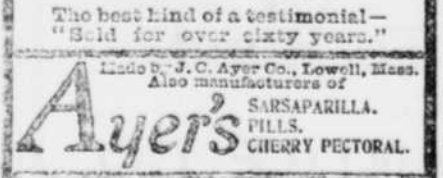
Had Tired It.

"You ought to try taking a long walk on an empty stomach."

"Why, doctor, I did the other day, after the races were over, and felt all the worse for it."

My Hair Ran Away

Don't have a falling out with your hair. It might leave you! Then what? That would mean thin, scraggly, uneven, rough hair. Keep your hair at home! Fasten it tightly to your scalp! You can easily do it with Ayer's Hair Vigor. It is something more than a simple hair dressing. It is a hair medicine, a hair tonic, a hair food.



The best kind of a testimonial—"Sold for over sixty years."

Made by J. C. Ayer Co., Lowell, Mass. Also manufacturers of Sarsaparilla, Pills, Cherry Pectoral.

An Owl.

"She thought he was very prominent before their marriage."

"Yes, she saw his picture in a newspaper labeled 'A Young Man of the Day.'"

"And now that they are married?"

"She has found out that he is a young man of the night."

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Tell us what and where you want to buy, about what you can invest, and we will send you descriptions, with name and address of owner absolutely FREE.

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Peter Prey's Philosophy.

Half truths are worse than whole lies.

Some women make "flirting" cover a multitude of sins.

Marriage is a partnership in which woman is never the "silent partner."

Buy your wife a good diamond ring for economy's sake. She'll never wear out many pairs of gloves after that.—Pittsburg Gazette.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

Not Inevitable.

"Figures won't lie," remarked the man who is never original.

"Maybe not," replied the compiler of life insurance literature. "But you can sometimes coax them to prevaricate a little."—Washington Star.

Few Thoughts.

Fred (after six months' absence)—Are you married yet, old man?

Joe—Not me.

Fred—But I thought you were going to marry that wealthy young widow?

Joe—I thought so, too, but I discovered that she was also a thinker.

Nothing but Trouble.

Mrs. Growells—Oh, dear! It's trouble, trouble everywhere, and no relief in sight!

Growells—What's the matter now?

Mrs. Growells—Why, this is the cook's day out, but she insists on staying in.

WIT OF THE YOUNGSTERS.

Teacher—In what way do the quakers speak differently from us, Johnny? Johnny—They don't swear.

"Oh, mamma," exclaimed 3-year-old Margie the first time she saw hall falling, "tome look—it's wainin' pills!"

City Boy (in country)—What kind of bird is that, grandpa? Grandpa—That's a barn swallow. City Boy—Does it swallow barns?

"Mamma," queried 4-year-old Edna, who was learning to sew, "does it make any difference which side of the needle I poke the string in from?"

Grocer—Well, little girl, what can I do for you? Little Girl—Please, sir, mamma wants to know how much you charge for a dollar's worth of sugar.

Mamma—How careless you are, Elsie! Did I teach you to throw your clothes around on the floor in that manner? Elsie (aged 5)—No, mamma, I just learned it all by myself.

Mamma—Why, Willie, what is your object in saying your prayers twice tonight? Little Willie—Because, mamma, I forgot to say 'em last night, so I thought I'd better make up for it.

THERE ARE NO NEW JOKES.

Humor is as Old as the Pyramids, Says Marshall P. Wilder.

Marshall P. Wilder is a sovereign power in optimism. You can rage, you can quarrel and be as disagreeable as you will, but the good humor will be with him still! Wilder is impervious to despondency. His words, his actions are optimistically humorous, says the Brooklyn Eagle.

"You can't change humor," he declared the other day. "You can twist about the surrounding circumstances, but the pith of the humor will remain the same. There is nothing new in humor, and there will not be. Being before the public incessantly as an entertainer, I am obliged, of course, to vary my stories and quips, but you find that they rarely lose their original point. I fatten up my jokes, but they are not new. They have a new style, and they must progress as the public progresses. I try to bring up a joke in the way it ought to go. I put it into a new dress. I clothe it over and over again, anew and anew, just as you do a child from babyhood to manhood. If I should come, as it inevitably will, to a grim old age, there is still hope for its resuscitation. The veriest aged 'chestnut' is not beyond redemption. Your audiences can't remain the same, so you fit the joke to the audience."

"New people arrive at that stage of life when they are ready and eager to be amused. They will think, possibly, and you will share in that belief, that they require a new diet in humor. They don't. What I do is to try to make the old jovial dish somewhat more tasty; I add a little pepper, sprinkle a little salt, dash in a soupçon of lemon, embellish it with some fresh seasoning and there you have practically a new joke with all the retaining faculties of the old witticism. The idea of humor though, don't change. You will find Irish 'bulls' on the soil of ancient Africa, British jokes in the tomb of Ahasuerus II. and our own native pleasantries culled from races of very ancient renown."

"It is a moot question how or when a joke originated and it is harder still to predict what guise the joke of the future will take. You have my word for it, though, that whatever habit it dons the joke which masquerades as a tyro is an impostor. It has had a history, but its exponent has been clever enough so to invest it in the form presented. A joke, you must know, has considerably more than nine lives. It is perennial, everlasting and the majority of these bon mots, quips, cranks, call them what you will, will be bandied about until the last humorist hears the last trump, about which he will probably make a final witticism!"

Frightened the Bride to Death.
In the Church of Christan at Pisek, in Bohemia, a marriage was about to be solemnized between Anna Roslin, aged 19, and a youth of her choice. Bride and bridegroom stood all ready before the altar, where were lighted tapers. Before the priest could unite the bridal pair one of the tapers became suddenly extinguished. A loud shriek came from the bride, and she gasped, "Meine kerze ist erloschen!" ("My taper is extinguished!") and sank unconscious into the arms of the bridegroom. Immediately all attention was turned to the condition of the bride. Several attempts were made to revive the poor girl, but in vain. The bride, in her chapel and veil, died at the altar rails. The superstition of the villages of the plain is that if a lighted taper becomes extinguished on either side of the altar the person standing on that side of the altar where the light went out will suffer a dire calamity.—London News.

A Long-Felt Want.
"Some of us," said Borem, "are organizing a new society that you should join."

"Haven't time," replied Wise. "I'm thinking of organizing a new society myself. It's the 'S. S. U. S.'"

"What's that? The 'U. S.' sounds patriotic, anyway?"

"It's more than patriotic. It's the Society for the Suppression of Useless Societies."—Catholic Standard and Times.

Jealousy is a tree that bears the most bitter of all fruits.

ALL HAIL PE-RU-NA
A Case of STOMACH CATARRH.



Miss Mary O'Brien, 206 Myrtle Ave., Brooklyn, N. Y., writes: "Peruna cured me in five weeks of catarrh of the stomach, after suffering for four years and doctoring without effect. In common with other grateful ones who have been benefited by your discovery, I say, All hail to Peruna."

Mr. H. J. Henneman, Oakland, Neb., writes: "I waited before writing to you about my sickness, catarrh of the stomach, which I had over a year ago."

"There were people who told me it would not stay cured, but I am sure that I am cured, for I do not feel any more ill effects, have a good appetite and am getting fat."

"So I am, and will say to all, I am cured for good."

"I thank you for your kindness. 'Peruna' will be our house medicine hereafter."

Catarrh of the stomach is also known in common parlance as dyspepsia, gastritis and indigestion. No medicine will be of any permanent benefit except it removes the catarrh.

A Great Tonic.
Mr. Austin M. Small, Astoria, Ore., writes: "During the hot weather of the past summer I lost my appetite. I tried Peruna, and found it pleasant to take, a splendid appetizer and a great tonic."

A Live Issue.
"I notice that a Chicago paper has been discussing the question 'How to live on \$1,000,000 a year.'"

"No doubt the articles were written by some hustling reporter who has learned to live on \$20 a week."—Cleveland Plain Dealer.

The new administration and jobbing house building erected by the W. L. Douglas Shoe Co. as a part of its mammoth manufacturing plant in Brockton, Mass., was dedicated June 19. The program included open house from 11 in the morning until 8 in the evening. There was a musical program and refreshments were served all day. Fifteen thousand invitations were sent out, including over 11,000 retail dealers in the United States who handled the W. L. Douglas shoes. Mr. Douglas says that his three large factories, also the new building just dedicated, will always be open to inspection and visitors from everywhere will be welcome.

The new jobbing house just dedicated will enable hurry orders for Douglas shoes to be shipped the same day they are received. The new building is 260 feet long, 60 feet wide and two stories high. The jobbing department occupies the entire lower floor and the new offices of the Douglas Shoe Company occupy the entire second floor. In the new building there will be special offices occupied by the Western Union and the Postal Telegraph Companies; also by the Telephone Companies and there is an elaborate mailing department. The completion of this new administration building marks the establishment of a modern, up-to-date wholesale jobbing house and office building.

Mr. Douglas has long considered the advisability of a jobbing house, not only for the purpose of supplying his own retail stores more readily, but that the 11,000 dealers throughout the United States handling the W. L. Douglas shoes might be able to obtain shoes for immediate use with greater facility.

The new building is said to be the most complete and convenient of any ever built for a commercial house in the United States, so were the expressions of appreciation by the many persons who visited it for inspection sincere and of a highly congratulatory nature. Architectural beauty as well as adaptability to the uses to which it is to be put has been the aim in construction, and the result is most satisfactory, to the visitor as well as the firm.

Doing Her Level Best.
Father (sternly)—Now, Sophia, something must be done to reduce your expenses. You are actually spending more than your allowance.

Daughter—It isn't my fault, father. I've done my best to get you to increase it.—Brooklyn Life.

STATE OF OHIO, CITY OF TOLEDO, LUCAS COUNTY.

Frank J. Cheney makes oath that he is the senior partner of the firm of F. J. CHENEY & CO., doing business in the city of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of HALL'S CATARRH CURE.

FRANK J. CHENEY.
Sworn to before me and subscribed in my presence, this 23rd day of December, A. D. 1886.

(Seal) A. W. GLEASON, Notary Public.

Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free.

F. J. CHENEY & CO., Toledo, O.
Sold by Druggists, 75c.
Take Hall's Family Pills for constipation.

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A Vegetable Preparation for Assuaging the Food and Regulating the Stomach and Bowels of INFANTS AND CHILDREN.

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

Recipe of Old Dr. J. C. AYER
Amplicin Sarsaparilla
Aloes
Cascara Sagrada
Sulphur
Syrup of Marshmallows
Syrup of Marshmallows

A Perfect Remedy for Constipation, Sour Stomach, Diarrhoea, Worms, Convulsions, Feverishness and LOSS OF SLEEP.

Facsimile Signature of *Wm. D. Galt*
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