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The world's greatest MURDERER. 218,400 caught in five days. Figure for yourself the sickness and disease prevented. Send 50c for bottle of FLY BAIT and full instructions How to Make a Fly Trap. Postal order or 2c stamps accepted.
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in 6 to 8 weeks. We give complete course in driving, repairing, etc., all kinds of automobiles. Every student gets personal attention and actual road experience. Write for terms
Behnke Auto School & Garage, E. 23d and Morrison Sts., Portland, Ore.

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—The great skin rejuvenator, if you have sallow skin, wrinkles, pimples or roughness of the face or arms, the application of FUCHI will bring back the glow and freshness of youth. Pr package, $1. (Branch) Fuchi Laboratories, Suit 9, 342 1-2 Washington St., Portland, Ore.

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**Secret Revealed by Face.**

If you want to get at the real strength and character of a person's face, study the right side of it—the ugly side, as portrait painters sometimes call it. There you will find the lines bold and harsh, with every defect accentuated. On the left side, however, everything is softened down, and the face is at its best. Whenever you suspect a man of trickery or deceit—and this rule applies equally to the fair sex—stand on his right and watch his expression closely.

**MEXICAN MUSTANG LINIMENT**
THE POULTRY REMEDY.
Mr. Stephen Holbrooke, Sec'y Tacoma (Wash.) Poultry Ass'n writes: "I will give Mexican Mustang Liniment an unequivocal endorsement as a remedy for Bumblefoot and Canker in the Throat. Hitherto I have found these diseases of my poultry very difficult to cure but Mustang Liniment proved to be a positive remedy."
25c. 50c. $1 a bottle at Drug & Gen'l Stores

**Would Encourage Marriage.**

Citizens from Aculco, state of Mexico, have come to this city, says the Mexican Herald, to complain against the action of the parish priest who recommends that all men of marriageable age should marry because if they do not they are liable to be enlisted by means of a lottery and made to serve in the army.

*Stimulant or Tonic?*

Ayer's Sarsaparilla is not a stimulant. It does not make you feel better one day, then as bad as ever the next. There is not a drop of alcohol in it. Ayer's Sarsaparilla is a tonic. You have the steady, even gain that comes from such a medicine. Ask your doctor all about this. Trust him fully, and always do as he says. He knows.

Who makes the best liver pills? The J. C. Ayer Company, of Lowell, Mass. They have been making Ayer's Pills for over sixty years. If you have the slightest doubt about using these pills, ask your doctor. Ask him first, that's best.
Made by the J. C. AYER CO., Lowell, Mass.

# IMPORTANCE OF DISINFECTING AFTER OUTBREAK OF DISEASE

**Practice Not Entirely Appreciated by Stockman and Farmer—There Is Also Lack of Information Concerning Practical and Economical Methods of Procedure of Cleaning.**

(By GEORGE W. POPE.)

It has been found that the average stockman and farmer does not realize the importance of thoroughly disinfecting his premises following an outbreak of contagious disease. There is apparently a widespread lack of information regarding the germicidal power of various substances, commonly termed disinfectants. There is also a lack of knowledge concerning practical and economical methods of proceeding with the work of disinfection. Moreover, the reappearance of a contagious disease on premises from which it was believed to have been eradicated may frequently be traced to careless or imperfect work in connection with the cleaning and disinfection of the place.

It is but natural to acknowledge the presence of only such objects as can be seen with the unaided eye. Science, however, by means of the high-power microscope, has clearly proved the existence of numerous minute animal and vegetable organisms—and it is a matter of common knowledge that many of these organisms frequently find their way into the animal body and produce disease. It is also well known that these germs vary in form and other characteristics and that for each disease of an infectious nature there is a specific germ.

Applying Disinfectant.

If these germs could be confined to the animal body and die with it there would be no such thing as an infectious disease. Unfortunately, however they are thrown off by the animal through the excretions and lie in the earth, in the litter of stables, upon the floor and walls, and in cracks and crevices. Here they may remain and maintain their virulence for an indefinite period, ready at any time to be gathered up by an animal in its feed or to be blown about in dust and drawn into the lungs.

The work of disinfection is based upon our recognition of the presence of disease germs, and disinfection means the act of destroying the cause of the infection. In other words, disinfection is a removal of the cause, and it will be clear to any practical man that in dealing with disease any effort which stops short of a complete removal of the cause is most unwise and unprofitable. To those unaccustomed to the work, disinfection may seem a most complicated process. Any approved method, however, is comparatively simple when carried out carefully, although like many another procedure it is one in which attention to details counts for much. It is important to bear in mind that the causative agents of many diseases are extremely small and may remain for an indefinite time in dust, cracks, and crevices of buildings, so that efforts aiming at the eradication of disease from contaminated premises must be thorough in order to be effective.

In the work of disinfection nature has provided man with a most valuable ally—sunlight. It is well known that the direct rays of the sun are destructive to many forms of bacteria, in some cases destroying them and in others lessening their influence. Thus the importance of well-lighted stables is evident. The dark and sunless building will be a favorable breeding place for bacteria, and the structure which admits the greatest amount of sunlight will be the least favorable for their development. Again, heat will destroy the bacteria of disease. By this is not meant the ordinary heat of the sun, but heat as developed in boiling water or in flame. It is upon this principle that the surgeon before operating renders his instruments free from the possible presence of bacteria by boiling, and it is heat which renders a jet of live steam destructive to bacteria. Sunlight, however, cannot be considered more than an accessory in the destruction of bacteria, while the application of heat in the form of steam or flame is seldom possible. The result is that in the practical work of disinfection we are dependent upon certain drugs, which have power to destroy the organisms of disease.

Such drugs are known as disinfectants, and, fortunately, we have at hand a number that possess the power of destroying bacteria.

Bichlorid of mercury also known as corrosive sublimate and mercuric chlorid, chlorid of lime, formaldehyde, carbolic acid, crude carbolic acid, cresol, and compound solution of cresol, are such drugs. They have only to be brought in contact with the bacteria in order to destroy them.

Before either of the above are used, however, the farmer should study their peculiar characteristics and use the one best suited to his purpose. Violent poison should not be used unless the user of the disinfectant is familiar with it and its results.

In the practical work of disinfection there are three essentials:

1. A preparation of the building that will facilitate reaching organisms of disease.

2. A disinfectant which upon contact can be depended upon to destroy such organisms.

3. A method of applying the disinfectant that will assure the most thorough contact with the bacteria.

# SALT NECESSARY FOR ALL FOWLS

**In Order To Guard Against Any Deficiency It Is Well to Feed for Lack of Palatability**

Salt in some quantity is a necessity to the living animal. Some food contains all that is probably needed, but the amount in others is small. In order to guard against any possible deficiency it is well to feed some salt, especially if it increases the palatability of the ration.

Moderate quantities of salt had been fed to poultry with apparent advantage, but the limitations of its use were not known. A feeding trial was therefore made with twelve hens to get some suggestion as to the approximate limit of its safe feeding to mature fowls. For one lot of hens salt was mixed in the food, increasing in amount by periods of feeding. Until it was fed at the rate of .063 ounces per day, per fowl (nearly one-half pint per day for 100 hens) no bad effects were noticed.

With this amount, however, diarrhoea attacked a few of the hens, but the trouble disappeared when the amount of salt in the food was reduced about one-third. When the hens were allowed free access to boxes of course barrel salt, not enough was eaten to show any ill effect, either by hens that had been fed salt freely for two months or by those that had been without any for the same time.

Little significance was attached to the egg yield from the old hens fed at an unproductive time of year, but twice as many eggs were obtained from the salt-fed hens as from the others so there was no indication of unfavorable effect in this direction. When reporting the experiment it was suggested that salt at the rate of one ounce per day for 100 matured fowls could be fed without risk. In later feeding it was found that five ounces of salt in every 100 pounds of food was a safe proportion. The station has not advised the feeding of any salt to young chicks or until they are two or three months old.

# INCREASING THE YIELD OF GRASS

**Among Four Chief Essentials are Smooth Surface, Preparation, Good Seed and Fertility.**

(By R. B. RUSHING.)

Farmers who content themselves with two tons or less cannot understand how yields of three or four tons even more are obtained. There are, however, four chief essentials; a smooth surface, with even, steady grade, thorough preparation of the soil, and abundance of good, healthy seed and plenty of fertility and to which might be added the proper amount of moisture.

Where land is stumpy or rocky, it may be considerable expense to remove them, but to obtain the greatest amount of grass it must be done. The rocks must either be sunk or hauled away and the surface smoothed so as to give a gentle grade. A little depression where the water can stand may cause a patch of grahss to die out and a few patches will kill a hundred pounds of hay.

After this thorough grading the land is thoroughly fitted. This does not mean just plowed and harrowed in the ordinary way. I prefer the use of a cut-away disc, which does the work just the opposite to the turning plow.

The continued working of the soil with the cut-away clears the soil of foul stuff and gives the new seeding a chance. The soil should be worked over with the cut-away and the smoothing harrow many times, not all at once, but continued through July and August. In this way, when ready to seed the soil is certainly as fine as an ash heap.

The seed then should be put on carefully and accurately, so as to have every square inch of surface covered, thus having two blades of grass where one formerly was.

The question frequently asked is: Why is this large amount of potash necessary? No one who has ever used fertilizers on grass need be told that nitrogen gives the grass a rich, green color and makes it grow very rapidly.

**Spring-Cleaning**

**The Human System Needs It.**

Mrs. M. Morgan, 411 4th Ave., E., Brainerd, Minn., writes: "I take from one to two bottles of Hood's Sarsaparilla in the spring to purify the blood just as regularly as I do my house-cleaning, and go around light-footed and light-hearted. I believe it is the best blood purifier known."

Hood's Sarsaparilla so combines the curative principles of roots, barks and herbs as to raise them to their highest efficiency; hence its unequaled cures.

Get it today in usual liquid form or tablets called Sarsatabs.

**Took an Unfair Advantage.**

Doctor Graham, a widely known physician in London, once conceived the plan of burying persons up to their necks in the earth and leaving them there for some hours as a cure for some diseases. George Dyer, it is said, in despair of anyone listening to him read his own poetry, took advantage of the situation of Doctor Graham's patients and read to them all the while they were stuck in the earth.

**DAISY FLY KILLER**

placed anywhere, attracts and kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts all season. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective 15c each at dealers or 6 sent prepaid for $1.
HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

**Importance of Physiognomy.**

"Do you believe a man with a receding chin is likely to get along as well in this world as a man with a chin that projects?" "It all depends upon circumstances. If the man with the receding chin is a son of the president of the company and the man with the chin that projects is merely working his way up from the bottom I should be inclined to feel that physiognomy would not be of vast importance."

**EVERYBODY DOING IT! DOING WHAT? TAKING**

**Hostetter's Stomach Bitters**

For all troubles of the digestive organs—Biliousness, Constipation, Headaches and to drive out the blues.

**60 YEARS DOING IT**

**A Chinese Puzzle.**

Some days ago we published a conundrum from the Chinese, taken from a Paris contemporary, but as we have not received the correct answer we give it, together with the original question. The question ran: "Young I am green, old I am yellow; well beaten I become compliant; if I accompany a friend for long, he urges me to leave him; young I am honored, old I am despised." The answer is "Straw slippers."—London Globe.

Be thrifty on little things like bluing. Don't accept water for bluing. Ask for Red Cross Ball Blue, the extra good value blue.

**To the Teacher.**

A teacher who can arouse a feeling for one single good action, for one single good poem, accomplishes more than he who fills our memory with rows on rows of natural objects, classified with name and form. For what is the result of all these, except what we know as well without them, that the human figure pre-eminently and peculiarly is made in the image and likeness of God?—Goethe.

**Pettit's** BEST FOR **Eye** EYE ACHES **Salve**

**Reality Would Be Different.**

"De hymn goes dat you wants to be a angel, but ef you had wings right now you'd hire yo'se'f out as a curiosity in a sideshow."—Atlanta Constitution.

**IT GRATES ALL THE NUTMEG**

**New York Man's Invention Will Save Housewife From Grating Off Fingernails.**

A nutmeg grater that grates all the nutmeg, down to the last scrap, has been designed by a New York man. It also saves the housewife from grating off her fingernails and the tips of her fingers. The grater proper is circular and is affixed to a wooden handle.

Pivoted to the center is a revolving handle resembling a miniature motorman's controller, with a little cup in one end to hold the kernel and a spring cap to keep it in place and press it against the grater plate. The nutmeg is placed in this cap and the handle turned until the desired amount is ground off, the operation being much speedier than when kernel has to be rubbed across the grater by hand. Furthermore, the hand method results in waste, as after the nutmeg has been ground so small that it cannot be scraped without scraping the fingers as well, it has heretofore had to be thrown away.

**It Cures While You Walk.**

Allen's Foot-Ease is a certain cure for hot, sweating, callus, and swollen, aching feet. Sold by all Druggists. Price 25c. Don't accept any substitute. Trial package FREE. Address Allen S. Olmsted, Le Roy, N. Y.

**Well-Ordered Life.**

To do with as few things as we can, and, as far as we can, to see to it that these things are the work of freemen and not of slaves; these two seem to me to be the main duties to be fulfilled by those who wish to live at once free and refined, serviceable to others, and pleasant to themselves.—William Morris.

Red Cross Ball Blue gives double value for your money, goes twice as far as any other. Ask your grocer.

**Lifelong Eccentric Dresser.**

An old man who recently passed away in Whittinsville, Wash., during all the 88 years of his life had never worn stockings—because he hated the feeling of them; nor had he worn anything but a straw hat, summer and winter alike, to keep, as he expressed it, rain and snow from going down his neck.

**When Your Eyes Need Care Try Murine Eye Remedy**
No Smarting—Feels Fine—Acts Quickly. Try it for Red, Weak, Watery Eyes and Granulated Eyelids. Illustrated Book in each Package. Murine is compounded by our Oculists—not a "Patent Medicine"—but used in successful Physicians' Practice for many years. Now dedicated to the public and sold by Druggists at 25c and 50c per Bottle. Murine Eye Salve in Aseptic Tubes, 25c and 50c.
**Murine Eye Remedy Co., Chicago**

**Persian Lamb Skins.**

The trade in Persian lamb or astrakhan skins centers in Turkestan, and the traders of that country have the entire monopoly of it. They pasture the ewe lambs in immense flocks, and it has been found useless to try to accustom these animals to any considerable change of climate. If they survive elsewhere, the skin undergoes degeneration and the fur consequently becomes less valuable.—Harper's Weekly.

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

**Shibboleth.**

Shibboleth, now taken as meaning the watchword or slogan of a particular sect or party, had its origin in the incident recorded in Judges 8:1-16, wherein the word shibboleth was used as a test by the Gileadites to detect their foes, the Ephraimites. The Ephraimites were unable to pronounce the combination sh, and when put to the test called the word "sibboleth," thus betraying their breed and giving away their case.

**The Hunter.**

The man who loses hope is not likely to find appreciation.—Chicago Record-Herald.

**Fundamental Truth.**

A thing that is morally right can never be economically wrong.

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W. L. Douglas makes and sells more $3.00, $3.50 and $4.00 shoes than any other manufacturer in the world

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FOR MEN, WOMEN AND BOYS

W.L.Douglas $3.00 & $3.50 shoes are worn by millions of men, because they are the best in the world for the price
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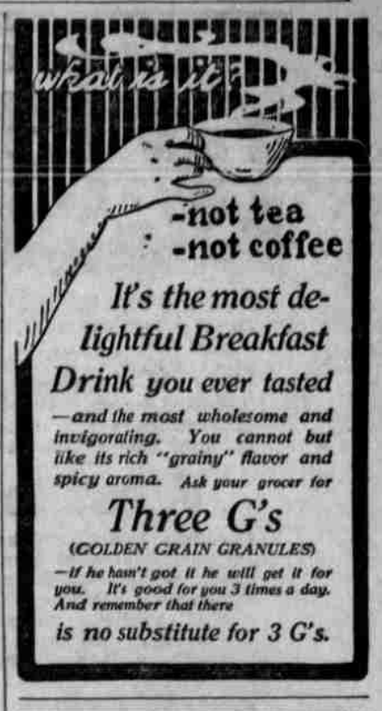
Why does W. L. Douglas make and sell more $3.00, $3.50 and $4.00 shoes than any other manufacturer in the world? BECAUSE: he stamps his name and price on the bottom and guarantees the value, which protects the wearer against high prices and inferior shoes of other makes. BECAUSE: they are the most economical and satisfactory; you can save money by wearing W. L. Douglas shoes. BECAUSE: they have no equal for style, fit and wear. DON'T TAKE A SUBSTITUTE FOR W. L. DOUGLAS SHOES.
If your dealer cannot supply W. L. Douglas shoes, write W. L. Douglas, Brockton, Mass., for catalog. Shoes sent everywhere delivery charges prepaid. *Fast Color Eyelets Used.*

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A Tonic, Alterative and Resolvent. The best remedy for Kidneys, Liver and Bowels. Eradicates Pimples, Eruptions and Disorders of the Skin. Purifies the Blood and gives Tone, Strength and Vigor to the entire system.

**Windfall in Old Hat.**

There is something more than a joke in inheriting an old hat from an uncle. For the recent Mardi-Gras fete, in Paris, a motor bus driver, wishing to "dress up," borrowed from a restaurant keeper an old battered "top" hat, inherited from a deceased uncle. During the festivities, the wearer, in attempting to adjust his wig, knocked off the hat, and to his astonishment out fell nine 100 franc notes ($180). He hastened to put this unexpected bequest into the cafe keeper's hands.

**Has One Advantage.**

The fact that a politician hasn't any presidential bee of his own sometimes makes it easier for him to stir up a hornet's nest for the other fellows.

**WOMAN SICK TWELVE YEARS**

**Wants Other Women to Know How She Was Finally Restored to Health.**

Louisiana, Mo.:—"I think a woman naturally dislikes to make her troubles known to the public, but complete restoration to health means so much to me that I cannot keep from telling mine for the sake of other suffering women.

"I had been sick about twelve years, and had eleven doctors. I had dragging down pains, pains at monthly periods, bilious spells, and was getting worse all the time. I would hardly get over one spell when I would be sick again. No tongue can tell what I suffered from cramps, and at times I could hardly walk. The doctors said I might die at one of those times, but I took Lydia E. Pinkham's Vegetable Compound and got better right away. Your valuable medicine is worth more than mountains of gold to suffering women."—Mrs. BERTHA MUFF, 503 N. 4th Street, Louisiana, Mo.

Lydia E. Pinkham's Vegetable Compound, made from native roots and herbs, contains no narcotic or harmful drugs, and to-day holds the record of being the most successful remedy for female ills we know of, and thousands of voluntary testimonials on file in the Pinkham laboratory at Lynn, Mass., seem to prove this fact.

**If you want special advice write to Lydia E. Pinkham Medicine Co. (confidential) Lynn, Mass. Your letter will be opened, read and answered by a woman and held in strict confidence.**

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