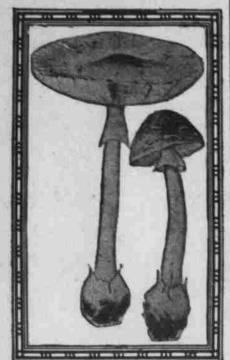


"Mushroom Growing and Mushroom Spawn Making" is the title of a very interesting bulletin just issued by the Department of Agriculture. This is a subject which, to most farmers, is surrounded by a haze of mystery and ditation, owing to the fact that there are a number of species of mushrooms

Determining the Poisonous Fungi.

The first question a man will ask is "How can I tell a toadstool from a mushroom?" The Department answers this question by saying that you cannot tell a mushroom from a toadstool to be easily taken care of by the womnet tell a mushroom from a toadstool en of the household. not tell a mushroom from a toadstool because mushrooms are toadstools. The general belief is well-nigh universal in this country that the fleshy um-brella-shaped fungi are divided into two classes—mushrooms, which are edible, and toadstools, which are pol-sonous. The assumed difference does not exist. All fleshy umbrella-shaped fungi are toadstools; a number of these are edible, and commerce applies the name mushroom; but not a small num-ber of other toadstools are edible, and a great many of them, probably the



THE FLY AGARIC. Deadly Poison and Closely Resembles the Edible Mushroom.

most of them, are not poisonous. Ability to distinguish poisonous varieties from those that are edible is not easily learned. On the other hand those who wish to collect fungi for their own consumption or the market must begin by committing to memory the distinguishing marks of a few species. Until this is done one must not venture to trust to general rules for distinguishing good species from bad There is one rule, however, which should be applied: no one, unless decidedly expert, should collect for eating the buttons, or small, unexpanded fungi, since in their young condition it is often impossible, even for experts, to recognize what the species is. The Department of Agriculture has issued a number of bulletins on mushroom growing which give certain rules for determining the difference between the edible common field mushrooms and edible common field mushrooms and those that are deadly poisonous. This subject is particularly treated in the Year Book for 1897; reprints of this portion can be obtained from the Division of Publications.

The mushroom in commerce is prac-tically the fruit of the mushroom plant, and not the plant itself. The plant proper is a white or bluish white mold—the spawn—that grows in fields and manure piles. Comparing the mushroom to an apple tree, we have the trunk, branches and leaves buried in the ground, leaving only the apples themselves standing above the ground.

The toadstool, like the apple, contains the means of reproduction-the apple contains seeds, while the toadstool is filled with microscopic, dustlike bodies having the same function as

### Important Crop Abroad.

Mushrooms are extensively grown in England and France, and to a limited extent in Belgium, Germany and in many other countries. Paris, however, is the center of commercial production. In the vicinity of that city the culture

Many people who would enjoy mush-rooms added to their menu are de-barred because of the difficulty of obtaining them except at considerable expense, and because of unfamiliarity as to methods of home culture.

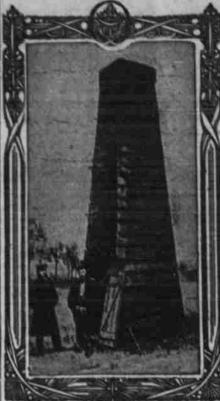
Mushrooms are easy to grow, and beginners are often as successful with them as are those having an extensive experience. Aside from preparing the manure and making up the beds, it is a clean grow to havelle and converted.

Cellars or basement rooms where the cellars or basement rooms where the temperature in the winter does not go below 55 degrees or does not rise above 65 degrees are suitable places for growing mushrooms. It is hardly advisable to grow them under the living part of the house, since the odor of the manure will permeate the dwelling. Stables will permeate the dwelling. Stables that are not too cold in winter are suitable.

Preparation of the Beds.

The mushroom bed is best prepared from horse manure that comes from well-bedded stables. Some straw is desirable, but a large percentage is objectionable and should be removed.

cities, although many large growers continue to sell entirely by contract or by special orders to hotels and rest-aurants. The farmer, however, will find ready sale for any of the standard varieties. Should basement or cellar be unavailable, open-air culture may be resorted to, although this method



VENTILATOR OF PARISIAN MUSH-

CHEW FOODS THOROUGHLY.

GLADSTONE CHEWED MEAT THIRTY-TWO TIMES-OTHERS RECOMMEND FIFTY.

Certain Indigestion Preventative— Less Food Well Masticated Fur-nishes More Nourishment for Body -Saliva A Digestive.

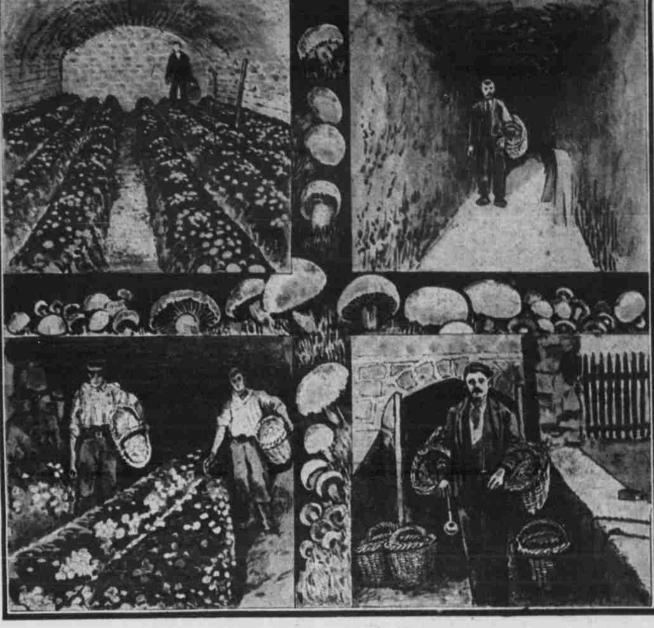
Gladstone chewed every mouthful of meat he are thirty-two times, but sixty times is not too often to chew a mouth ful of solid food, according to a well-known specialist on stomach diseases, who declares that it is the one sure way to avoid indigestion, stomach and intestinal troubles.

intestinal trouble intestinal troubles.

"Each mouthful should be chewed from fifteen to sixty seconds, according to the kind of solids it contains," he says. "Every piece should be ground into fine pulp and thoroughly mixed with the saliva in the mouth before it is in a condition to be properly digested. Swallowing should be a slow, almost formal action, for if a bite is guiped down even after it has a slow, almost formal action, for it a bite is gulped down even after it has been well masticated it will cause distress by lodging in the thorax for a few seconds and bringing on a duli heaviness in the chest and stomach. "Some foods should be more thoroughly masticated than others. For instance, beef yeal, mutton—in fact.

instance, beef, veal, mutton-in fact, all heavy foods should be chewed for at least a minute, while soft cereals, mushes and well-cooked vegetables need not be held in the mouth for more than fifteen seconds before they will be ready to swallow. All liquids—tea,





SCENES IN SOME OF THE GREAT MUSHROOM CAVES OF PARIS.

manure is first put on the bottom and then thoroughly tramped or pounded down. Succeeding layers are then applied and each packed down until the bed is 10, 12 or 14 inches deep. Cultivated mushroom spawn, used for planting the beds, may be obtained from nearly any seedsman in the form of dried manure bricks. These should be broken up into pieces about 2 inches in diameter, planting each piece in the bed 8 to 10 inches apart by making a

of the more strawy portion of the mushroom growing may be obtained on application. TO MAKE PERFECT PORK.

Method of Slaughtering Which Insures Wholesome Meat.

"If the time that can be devoted to a meal is short," he says, "It would be well to remember that a small quantity a novel mothod of preparing pork for the market in a way that will give to of nourishing food, properly masti-cated, is more beneficial than a larger the people a meat which is perfectly wholesome. The theory is advanced suitable hole 2 inches deep and press-ing the spawn firmly into it. The hole should then be again filled with the slaughter is an audible announcement many other countries. Paris, however, is the center of commercial production. In the vicinity of that city the culture of mushrooms is now almost entirely straw to retain the moisture and to changes as will be detrimental to any one partaking of the flesh. The plan proposed is to drive the porker up an incline into a small pen. Just as he steps in the pen the platform tilts and runs him down a chute. At the end of this chute there is a bucket of slop or mash, or any other pig delicacy. The animal pokes his snout into the bucket when his whole head is caught in a trap and nitrous oxide renders him unconscious before he has time to let out even a little squeal. While the pig is in this state it is slaughtered. There is no excitement, no aqueal and consequently no thermic changes.

"Indeed, Mr. Hurryup, this is so un-expected. You embarrass me very

Hurryup (glancing at the clock) "I'll give you one minute to recover from your embarrassment."

"Mama, were you at home when was born.

you heard about it?"

At the Literary Tea.

Miss Sappho-"And you haven't Mr. Cholly-"Aw beg you' pawdon-

Too Much Yet Not Enough. "What's the matter, Willie," asked randma. "Did you eat too much grandma.

or cake, require about half as long time as the chewing of meats. "Persons who have vigorous exercise and sit up late should have a fourth meal at about 11 or 12 o'clock. This

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Health in THE HOME

WORTH

What is it that you most want or most value in your life?
so't ft good health or something you must have good health to get?
What then is good health worth to you?
What would you give to avoid a day's sickness, after the sickness had come?

"An Ounce of Prevention is Worth a Pound of Cure." If you will read the health page in Maxwell's Homemaker Magasine every month, one year, and follow its teachings, you will never need to be sick or to pay a tor's bill

tor's bill.
What would that be worth to you?
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Of course it would.
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The Magazine will cost you just ten cents. No more—No less!

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HOME COOKING

WORTH

And Then About Cooking.

You've heard the old saying: Good Cooking Contributes to Good Health.

Did you ever hear of good digestion wait on appetite, and health on both."

Did You ever hear of good digestion waiting on bad cooking?

Bad Health goes with bad cooking.

And the Home Cooking Department in Maxwell's Homemaker Magazine is an aid the Good Health Department.

Good Cooking and Good Health!

They're The Gold Dust Twins that make the work of life easy and lead us on through happy and useful years to a hale and hearty old age.

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When you send your subscription, write your name and post office address so plainly that you will be sure it will be entered right, and send with it one Dime or Pive Two-Cent Stamps to

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ITS WORTH \$10

son should be more thoroughly masticated."

Chewing food thoroughly accomplishes the double results of mineing it so that the juices of the stomach can get at the individual particles and combining it with the saliva, which, in itself, is a powerful digestive agent.

### Worse Than Welch Rarebit.

Microbes in the water, Microbes in the air; Microbes in the pie and cake, Microbes everywhere; Laying for us in the cold, Likewise in the heat;

In horrid consternation We vainly try to sleep;

Every time we draw our breath

Or stop to drink or eat.

We know that through the casement The Microbes strive to creep; Though as creation's mighty lords

We swagger and pretend, The Microbe is the only one Who triumphs in the end,

## No Four Flushing.

The President stands pat on the American navy. And yet he maintains that it needs constant revision. Now let us take the problem home with us and work it out by the use of a little midnight Rockefeller.

# Kirk's

AMERICAN CROWN

SOAP

s a green soap, consistency of pasts, a perfect cleanser for automobile machinery and at vehicles; will not injure the most highly polished surface. Made from pure vegetable oils. If your dealer does not carry American Crown Soap in stock, send us his name and address and we will see that your wants are

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Foster's Ideal Cribs

Accident Proof

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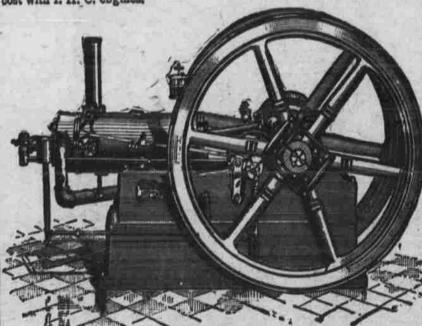
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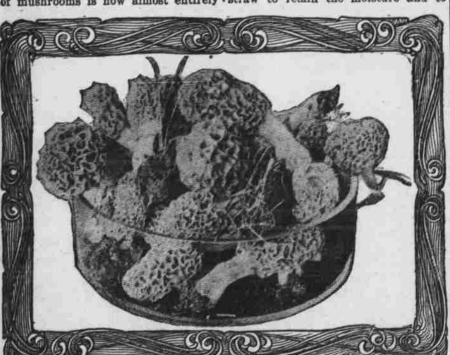
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confined to the underground limestone | prevent a too rapid fall of tempera-

quarries or cement mines. These ture. At the end of about a week caves are not unlike some of our mines this material is removed, and the beds with galleries or halls radiating in every direction. Most of these are well ventilated by shafts, protected at the surface by wooden towers. Until recent times the much control of the protect of the control of the c cent times the mushroom growers of Paris refused to allow visitors to these length—the cultural methods being portions are a bright pink color. The carefully guarded. Even to-day it is beds should be gone over every day; carefully guarded. Even to-day it is not easy to obtain permission to make not easy to obtain permission to make every mushroom that is large enough a casual visit to the mushroom caves. for market should be picked. In pick-

rooms have only recently been of any importance commercially, although they are not grown to any extent. There is now a good open market for they are not grown to any extent.

A PLATE OF THE FINEST EDIBLE MUSHROOMS.

Harvesting the Crop Mushrooms are ready to pick about caves, some of which are miles in the time the gills beneath the umbrella The total production of mushrooms in ing, the mushroom should not be cut off Paris alone in 1901 amounted to more at the root, but by catching it by the grandma than 10,000,000 pounds.

In the United States fresh mushthe fruit will come away from the "No."

gone down to 100 degrees. A layer of the Department of Agriculture on frequently causes an uncomfortable mushroom growing may be obtained fullness, which, if continued, results in a form of indigestion." The principal directions of one eml-nent specialist on digestive troubles

more.

taste good.

are, in most every case which comes to him, to eat much less and chew it

Better to Eat Little.

amount poorly chewed and swallowed in a hurry. The best plan I know is

to leave the table without entirely sat-

isfying one's hunger, while another baked apple or piece of beef would

"Dinner being the principal meal of the day, more solid foods are generally served, and for that reason alone more

time is required in properly eating it. A few minutes should be given in tak-

ing soup, which can be chewed or swal-

lowed like fluids, according to the in-

dividual desire. Many persons believe

that milk should always be chewed.

Two-thirds of the dinner hour, or longer, if convenient, should be used in eating meats, vegetables, etc., and the remainder of the period given over to the mastication of deserts, which, if of pastry

A Kansas City man has discovered

The Strenuous Life.

When the Stork Flew Down.

"No, dear, I was at grandma's in the country.' "Wasn't you awf'ly s'prised when

sald a word about my new poem." gweat, you know—weally, Miss Sappho, I didn't think you could wite to such a-aw-depth of profundity." -Life.

"No," sobbed the little fellow, "I'm just feeling bad 'cause I didn't eat

should be the lightest of all.

"Foods fried should be chewed a longer time than those prepared by boiling, baking or roasting, for they are harder to digest, and for that rea-

COMMON MEADOW MUSHROOM.

Edible and Delicious