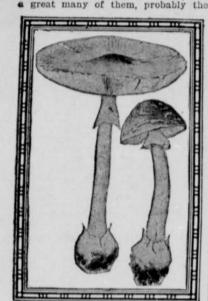


EDIBLE MUSHROOMS.

GUY ELLIOTT MITCHELL.

'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 hesitation, owing to the fact that there are a number of species of mushrooms

Determining the Poisonous Fungl. 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 can not tell a mushroom from a toadstool not tell a mushroom from a toadstool because mushrooms are toadstools. The general belief is well-nigh universal in this country that the fleshy umbrella-shaped fungi are divided into two classes—mushrooms, which are edible, and toadstools, which are poisonous. The assumed difference does not exist. All fleshy umbrella-shaped fungi are toadstools: a number of these 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



THE FLY AGARIC. Deadly Poison and Clos ly 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 dis-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 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 those that are deadly religious. This 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 Divi-

sion of Publications. The mushroom in commerce is practically 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 manure is first put on the bottom and the trunk, branches and leaves buried then thoroughly tramped or pounded in the ground, leaving only the apples themselves standing above the ground.

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

Important Crop Abroad.

Mushrooms are extensively grown in Rngland 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 mushrooms added to their menu are debarred 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

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 crop to handle and occupies little space. The gathering, sorting, packing and marketing of the mushrooms can be easily taken care of by the women of the household.

en of the household. 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 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. The manure is cured by putting it un-der cover in piles three to four feet deep

planting the beds, may be obtained

cities, although many large growers continue to sell entirely by contract or by special orders to hotels and restaurants. 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-ROOM CAVE.

of growing is more difficult owing to or boxes until the temperature has ure of the beds. The various bulletins into the stomach is not healthful, and

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 ate 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.
"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 prove before it is in a condition to be prop-erly digested. Swallowing should be a slow, almost formal action, for if a bite is gulped down even after it has been well masticated it will cause dis tress by lodging in the thorax for a few seconds and bringing on a dull

heaviness in the chest and stomach.
"Some foods should be more thor "Some foods should be more thoroughly masticated than others. For 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 coffee, milk, wine, water—should be coffee, milk, wine, water—should be drunk slowly. Five minutes at least should be given over to the slow sipand of any length and width. It usually requires from ten to fifteen days to cure, but should not be put in the beds temperatures and controlling the moist or cold, for a quantity suddenly put

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MAXWELL'S HOMEMAKER MAGAZINE 1409 FISHER BUILDING, CHICAGO,

WORTH

son should be more thoroughly masti-

Chewing food thoroughly accomplishes the double results of mincing 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; Every time we draw our breath

Or stop to drink or eat.

In horrid consternation We vainly try to sleep 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

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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 TO MAKE PERFECT PORK.

Method of Slaughtering Which Insures Wholesome Meat.

SCENES IN SOME OF THE GREAT MUSHROOM CAVES OF PARIS.

from nearly any seedsman in the form of dried manure bricks. These should A Kansas City man has discovered a novel mothod of preparing pork for be broken up into pieces about 2 inches the market in a way that will give to in diameter, planting each piece in the bed 8 to 10 inches apart by making a suitable hole 2 inches deep and presstate when a pig is sent to slaughter. ing the spawn firmly into it. The hole every squeal emitted in the process of should then be again filled with the slaughter is an audible announcement manure and packed down firmly. The of a nervous reaction that effects every bed is covered loosely with excelsior or fiber of its body, producing such is now almost entirely straw to retain the moisture and to 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 or mash, or any other pig delicacy The animal poles 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. Two-thirds of the dinner hour, or longer, if convenient, should be used in eating meats, vegther pig is in this state it is slaughtered. There is no excitement, no squeal and of the period given over to consequently no thermic changes.

The Strenuous Life.

expected. You embarrass me very Hurryup (glancing at the clock) "I'll give you one minute to recover

from your embarrassment." When the Stork Flew Down. "Mama, were you at home when I

"No, dear, I was at grandma's in "Wasn't you awf'ly s'prised when you heard about it?"

At the Literary Tea.

gone down to 100 degrees. A layer of the Department of Agriculture on | frequently causes an uncomfortable of the more strawy portion of the mushroom growing may be obtained fullness, which, if continued, results in a form of indigestion."

The principal directions of one emi-nent specialist on digestive troubles are, in most every case which comes to him, to eat much less and chew it more.

Better to Eat Little.

"If the time that can be devoted to a meal is short," he says, "It would well to remember that a small quantity of nourishing food, properly masti-cated, is more beneficial than a larger amount poorly chewed and swallowed in a hurry. The best plan I know is in a hurry. The best plan I know is to leave the table without entirely satisfying one's hunger, while another baked apple or piece of beef would taste good

"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

tication of deserts, which, if of pastry



COMMON MEADOW MUSHROOM. Edible and Delic

or cake, require about half as long not easy to obtain permission to make a casual visit to the mushroom caves. The total production of mushrooms in a few of the larger and giving it a gentle twist or bend the fruit will come away from the from shave only recently been of any importance commercially, although they are not grown to any extent.

Too Much Yet Not Enough.

Too Much Yet Not Enough.

"What's the matter, Willie," asked grandma. "Did you eat too much dinner?"

"No." sobbed the little fellow, "I'm just feeling bad 'cause I didn't eat enough to make me feel uncomfur they are not grown to any extent.

are harder to digest, and for that res

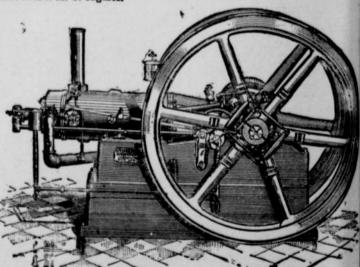
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A PLATE OF THE FINEST EDIBLE MUSHROOMS.

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 entitled by shafts, protected at the surface by wooden towers. Until resent times the mushroom growers of Paris refused to allow visitors to these caves, some of which are miles in length—the cultural methods being enrefully guarded. Even to-day it is not easy to obtain permission to make a casual visit to the mushroom caves.

"Indeed, Mr. Hurryup, this is so un-

Miss Sappho-"And you haven't said a word about my new poem." Mr. Cholly—"Aw beg you' pawdon—gweat, you know—weally, Miss Sappho, I didn't think you could wite to such a—aw—depth of profundity."