Democratic Matchman. Bellefonte, Pa., May 4, 1923.

WHAT EVERY ONE OUGHT TO KNOW ABOUT GERMS.

By William C. Miller, M. D.

Persons who have been exposed to communicable disease are quarantined until the period of incubation has passed, unless they are known to be immune or may be made so artificially. For instance the incubation period.

For instance, the incubation period, or the time between contact with smallpox and its appearance is from 12 to 14 days. A person in contact with a case of smallpox, would be sub-with a case of smallpox, would be subwith a case of smallpox, would be sub-ject to the restraint of quarantine un-til that time had passed, unless he could show evidence of vaccination, or of having had the disease; but he might be released if he submitted to immediate vaccination, in which case his address would be taken and he vould he kert under observation unwould be kept under observation until there was evidence that the vacci- air space. nation was successful.

nation was successful. In practically every State, the fol-lowing diseases are subject to abso-lute quarantine: Bubonic plague, cholera, leprosy, smallpox, typhoid fe-ver and yellow fever. This means that not only the patient, but all persons in the house are required to remain up-on the premises until the quarantine nation was successful. A room 15 feet feet square would have 15x15 or 225 square feet of floor space; if it have a 10 foot ceiling, there would be 2250 cubic feet. De-ducting for the space occupied by fur-niture, you may calculate such a room as having about 2,000 cubic feet of air space. The operator must retire hastily, person rugs to remain in a room where there was a case of communica-ble disease, at its termination they should take them out, thoroughly beat them over several times each day. Terminal sanitary cleaning also ap-plies to rooms which have been occuperiod has passed and the house has been disinfected in accordance with State or local regulations.

#### MODIFIED QUARANTINE.

In most States modified quarantine is established in cases of: Anthrax, infantile paralysis, cerebro-spinal meningitis, chicken pox, german measles, glanders, diphtheria, malarial fever, measles, mumps, relapsing fever, scarlet fever, typhoid fever and whooping cough.

In some States, to these may be added venereal diseases.

Modified quarantine entails the per-fect and complete isolation of the patient, but under certain circumstancces, wage-earners in the family are permitted to continue their work.

To be explicit, in the case of scarlet fever or diphtheria attacking a child of school age, in a family of half a dozen, the following quarantine method would obtain:

If the father and other adult mem-bers of the family work outdoors and do not handle foodstuffs, they may continue to work, provided they do not enter the sick room, or travel in public conveyances, enter stores, theatres

es to a gallon of water. In such a so-lution, clothing, bed clothes, towels, napkins, etc., used by the patient should be immersed for at least two hours before leaving the sick-room for laundry purposes. It is needless to add, no laundry may be sent from the bare with event thing that creeps or crawls. The ob-source state of the sick-room for laundry purposes. It is needless to add, no laundry may be sent from the bare with event the sick state of the sick state of the size state of the siz

the house until quarantine has been

Later experience, however, has proven that gaseous disinfection is not necessary for protection against future contagion. The greater numlifted. All dishes and utensils used by the patient and the nurse should be properly disinfected before leaving the room. This can be accomplished by their regulations in regard to terminal

GASEOUS DISINFECTION.

in the dry air of a room.

NET ADDITIONS TO BELL TELEPHONE CENTRAL OFFICE EQUIPMENT IN PENNSYLVANIA 1919 - 1922

WHAT IS QUARANTINE? Quarantine plays a tremendously important part in checking the spread of communicable diseases. Among public health people a distinction is made between quarantine and isolation. The term "quarantine" is applied to the restrictions imposed to disease and are liable to contract and later pass it on to others, and to carriers, who harbor in their nose, throat

later pass it on to others, and to car-riers, who harbor in their nose, throat or intestinal tract, germs which, though harmless to themselves, may produce disease in others. The term "isolation" applies to the restraints placed upon the actual vic-tim of the disease. Persons who have been exposed to communicable disease are quarantined jected to the same treatment as the Windows should be taken out entire

ly so that the germicidal action of the air and sunlight may have full oppor-

tunity to do their share, which is a

permanganate and one pint of forma-lin, for each thousand cubic feet of them. Should any person so far overlook the proprieties as to allow car-A room 15 feet feet square would pets or rugs to remain in a room

space. The operator must retire hastily, for the gas is liberated rapidly. After the room is closed and sealed from the outside, it must not be opened for 6 or the room is closed and sealed from the outside, it must not be opened for 6 or the room is closed and sealed from the the room is closed and sealed for 6 or the room is closed and sealed from the the room is closed and the room is closed and

8 hours. If properly done, there can be little doubt about its efficiency. knowledge not only protects the com-

the futility of burning sulphur candles actly how absolute and modified quar-The sulphur should be placed in a pot or pan which rests in a tub, partly filled with water. Ordinary flour of sulphur is best. It can be ignited by When a c

INFORMATION FOR MOTHERS.

most common among children; also giving the regulations in one State covering the lifting of quarantine: Measles, incubation period 9 to 14 days; lifting of quarantine, 16 days after disease develops.

German measles, 10 to 20 days; lift-ng quarantine 16 days after disease

develops. Scarlet fever, 2 to 7 days; lifting quarantine, 30 days, with an addition-al 10 days before the child having had scarlet fever may go to school. Children with running ears are held in quarantine until the secretion stops. Whooping cough, 1 to 3 weeks; lift-ing quarantine; not until paroxysms

Diphtheria, 1 to 14 days; lifting quarantine; 21 days. If anti-toxins have been used this may be reduced to 14 days provided two negative cul-tures be taken on two different days. Mumps, 4 to 25 days; lifting quarantine 21 days after disease develops.

-The "Watchman" gives all the aews while it is news.

Can Grow Potatoes Well in all Parts of Pennsylvania.

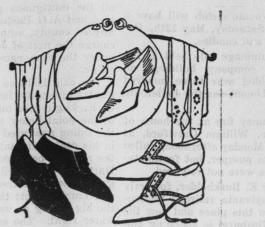
Proof that climatic and soil condi-

State he found farmers who raised more than 350 bushels per acre, compared with the State average yield of 120 bushels. The remarkable fea-ture of the ability to raise potatoes cheaply lies in the fact that the record counties are not grouped together on one general soil type, and they are

not similar in climatic conditions. "If we draw a line east and west through the exact center of the State we find eleven counties in the northern section where farmers last season produced 350 or more bushels to the acre, and eleven counties south where the same record was attained," says Probe little doubt about its efficiency. Formaldehyde gas does not injure fur-niture or fabrics. Sulphur dioxide is also widely used for gaseous disinfection, and again the room must be tightly sealed. It requires about five pounds of sulphur per thousand cubic feet of air space, for proper germicidal effect. This ef-fect is entirely lost unless a very large amount of moisture be present. Hence the futility of burning sulphur candles

actly how absolute and modified quar-antine are applied in your State or call 'potato mentality'-the proper preparation of the soil, the use of disease-free seed and up-to-date cultural methods including spraying for dissulphur is best. It can be ignited by hot coals or by soaking a piece of cot-tacks any member of your family, no-weeks all through the growing sea-

ton or waste in alcohol or turpentine tify and co-operate with your depart-and dropping it lightly into the pot. ment of public health. Its represen- acres of potatoes will be sprayed in One advantage of sulphur, if prop- tatives can save you money, time and Pennsylvania this coming seaso



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or any place where crowds gather, or mingle with children. If wage-earners are employed where they come in contact with children or handle foodstuffs or fabrics, they must remain in

the quarantined home. Children of school age may leave the quarantined home and remain with relatives or friends where there are no other children until the period of incubation has passed or, in case of diphtheria, until two negative cultures have been taken, when they may re-turn to school and mingle with other children.

The patient must be isolated in a room stripped of curtains, hangings, carpets and upholstered furniture, all of which harbor germs. Over the door of this room is suspended a sheet, dampened from time to time with a disinfecting solution, which is made by dissolving 30 grains of corrosive sublimate and one tablespoonful of common salt in a gallon of hot water. Because of its known corroding action on metals, it should be kept in a crock.

On occasions when it is necessary for the mother or nurse to leave the sick-room, she removes the cap and gown which she wears when near the patient and hangs them just outside the door, to be put on immediately upon her return.

She always washes her face and hands before leaving the room, and carries out faithfully the directions of doctor and health officials concerning disinfection, and avoiding contact with other members of the family.

#### DISINFECTION.

In referring to disinfection, public health people make a distinction be-tween concurrent disinfection, which is carried on from day to day during the course of a communicable disease, and terminal disinfection, which takes place at the end of the disease and is the requirement for release from quarantine.

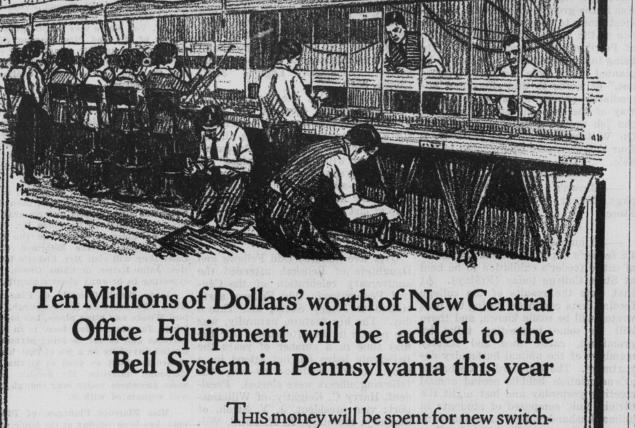
As in almost all acute communica-ble diseases, the danger of contagion is greatest at the beginning, when the mucous membranes are heavily charged with the virus of contagion It follows that of the two, concurrent disinfection is perhaps the more valuable.

CONCURRENT DISINFECTION.

From day to day all secretions from the nose and throat should be caught in rags and burned. Execretory dis-charges should be disinfected with chloride of lime or some other equal-ly effective agent and, if no sewer con-nections be had, they, together with all bath water and food refuse coming from the sick room, should be buried in a pit in the back yard.

The pit or trench should be 5 or 6 feet long, 2 feet wide and 4 feet deep. The dirt should be thrown to one side; at the other side several bushels of lime should be dumped. When waste material is thrown in, it should be covered with lime, afterwards with earth. Loose boards should be laid over the top of the pit to prevent animals from getting in

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