

POULTRY

SUGGESTIONS ON EGG INCUBATION

Incubation is the natural process through which the egg must pass to produce the chick. Our object, when hatching larger numbers of chicks, is to substitute for the natural method of hatching with hens. The incubator has solved the problem. It has grown from the mere hatching boxes to machines that are capable of producing a large percentage of strong, healthy chicks. Some hatching boxes are still on the market; the medium to high priced incubators are the ones to purchase. The initial price is of small consideration when compared with good, livable chicks.

The hen prepares the egg. Her owner generally receives it in good condition. What he does to the egg before it is actually placed in the incubator, greatly influences its hatchability. The fresher the eggs, the larger the percentage of hatch will be and the stronger the chicks.

The proper care of hatching eggs will increase the hatch. They should be turned daily if kept longer than five days. The best temperature is from 50 to 60 degrees Fahrenheit. Germ development starts at 68 degrees. More care should be taken to see that the eggs do not reach that point.

More eggs are ruined by becoming too warm before they are set than by chilling. When an egg is kept in a room where the temperature is 70 to 80 degrees, germ development starts. There is not enough heat to continue incubation; consequently many embryos die then or during the first few days in the incubator. Under such conditions, the eggs will show clear or nearly clear when candled on the eighth day.

When selecting an incubator, be governed to a large extent by the machines that are giving the best results in the community, not only for number of chicks hatched but for the condition of the chicks as well.

There are two general types of smaller incubators—the hot-water and the hot-air. The greatest problem with hot-water machines in general is proper ventilation; moisture is the greatest problem in the hot-air machine. The water in the water-heated incubator does not influence moisture in the egg chamber. Lack of moisture means that there has been too great an amount of evaporation. In the water-heated machines the air does not circulate so freely. With slower moving air, there will be less evaporation. The fact that many of the smaller hot water incubators have very little ventilation, makes it necessary to air and cool the eggs daily.

The hot-air incubators are quite different. The heat is furnished by the air so it is necessary that the air be in more rapid motion. This causes greater ventilation and evaporation, hence moisture usually must be added.

In operating the incubator follow directions. Most incubator companies give very complete directions regarding the operation and control of their machines.

Uniformity of temperature is a great controlling factor. An incubator run at a uniform temperature of 102 degrees will do better than one varying from 101 to 105 degrees. Gradual variation is not detrimental.

Too high temperature lowers the vigor of the chicks. In some machines, it is considered best to start at 101 degrees, increase to 102 degrees the second week, and only allow the standard of 103 degrees to be reached a few days before the hatch. Above everything, the eggs should not get too hot—Noel Hall, Extension Specialist, Missouri state poultry experiment station, Mountain Grove.

World's Large Cities

The following cities reported at the last official censuses—1919 to 1923—as having more than 1,000,000 population: London (county), 4,483,249; London (greater), 7,476,168; Berlin, 1,902,509; Berlin (greater), 3,803,770; Paris, 2,902,509; Vienna, 1,866,147; Moscow, 1,511,045; Leningrad, 1,067,328; Glasgow, 1,034,174. Several other cities had close to 1,000,000 each, and perhaps exceed that number now. These were Hamburg (985,779 in 1919); Warsaw (938,046 in 1921); Budapest (928,996 in 1920), and Birmingham (919,438 in 1921). Constantinople was formerly considered to have a population in excess of 1,000,000, but has lost considerably in late years, and after a canvass in 1924 was reported to have 880,968.

Fatal Dust Explosions

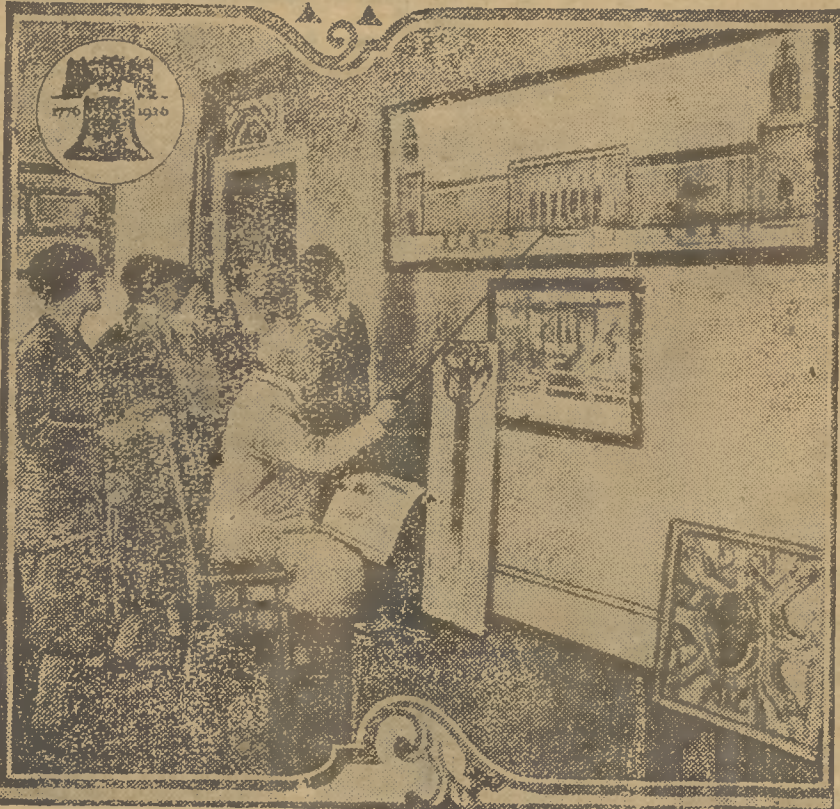
Dust explosions caused a loss of 183 lives, injury to 130 employees and a property damage amounting to more than \$12,000,000 in the period from 1919 to 1925. More than one-fourth of the loss in life and more than one-half of the property damage occurred in grain elevators, however, which has led the dust-explosion experts of the United States Department of Agriculture to turn their attention primarily to the elimination of the dust-explosion hazard in the grain-handling industry.

SITE OF THE FIRST PHONE MESSAGE



Walter S. Gifford (left), president of the American Telephone and Telegraph Company, and Leonard H. Kinnard (right), president of the Bell Telephone Company of Pennsylvania and Associated Companies, are shown standing on the exact spot where Alexander Graham Bell first talked over his invention at the Centennial Exposition 50 years ago. In the background can be seen Memorial Hall, relic of the Centennial, and which is now being used as a museum. It was on this spot that Don Pedro, then Emperor of Brazil, met the 29-year-old inventor and exclaimed, "My God, it talks!" when he heard Bell's voice come over the wire. The exhibits to be staged by the organization these men represent will be one of the great features of the Sesqui-Centennial International Exposition, which opens in Philadelphia June 1 and continues to December 1 to celebrate the 150th anniversary of the signing of the Declaration of Independence.

FAMOUS ARTIST INSTRUCTS



William de Leftwich Dodge, famous mural artist, in his studio at the Sesqui-Centennial International Exposition grounds in Philadelphia, where the 150th anniversary of signing the Declaration of Independence will be celebrated from June, to December, of this year, giving instructions to a group of young artists who are creating the "Rainbow City." Mr. Dodge is the color expert for the exposition, and every bit of color work done must be approved by him.

Today is Always Best

By O. Lawrence Hawthorne

'Twas only yesterday, it seems,
That I was just a little boy
And life was filled with idle dreams
And play. Oh, how I did enjoy
Those happy hours, too quickly sped
Into the past! Soon I shall see
That busy, hopeful youth has fled,
And never can return to me.

Then age will come. 'Tis but a day
Until my final sun will set.
But I shall go with spirit gay
And heart that harbors no regret.
If I live manfully and face
Each golden morning with a smile—
If I determine to embrace
The chance to make today worth while.



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Executrix Notice

Having qualified as executrix of the Last Will and Testament of the late C. H. Griffin, this is to notify all persons holding claims against said estate to file same with the undersigned at Woodland N. C., within one year from the date hereof or this notice will be pleaded in bar of the recovery.

All persons indebted to said estate will please make immediate payment. This May 10th, 1926.
MRS. MATTIE SYKES GRIFFIN,
Executrix of the Estate of
C. H. Griffin,
Burgwyn & Norfleet, Attys. n19

Notice of Administration

Having qualified as administratrix, c t a, of the estate of R. V. Bridgers, deceased, late of Northampton County, North Carolina, this is to notify all persons having claims against the estate of the said deceased to exhibit them to the undersigned, at Conway, N. C., on or before the 10th day of May, 1927, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.

JOSIE BRIDGERS,
Administratrix, c t a, of R. V. Bridgers.
By R. Jennings White, Atty. 19

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