

Mr. Freund found many factors contributed to begging; crippled beggars alone are subject to the following: unscrupulous or thoughtless friends or relatives who hope to share in the money received; the unthinking public; condoning by police and courts of the practice and the attitude of the public which seems to justify begging by a cripple; legalization of begging under the pretext of selling cheap merchandise; development of the habit of begging; the pleasure of the irresponsible life; the natural despondency which follows an accident and makes a rehabilitation difficult. Many of these factors apply to other types of beggars as well as to cripples.

ELECTRIC INCUBATOR BEST HEN SUBSTITUTE

An electric incubator is the most satisfactory substitute for a hen, according to Edmund Burke, chemist at the Agricultural Experiment Station at the University of Montana.

Temperature is the most important factor in hatching eggs, he has found. The temperature of an electric incubator can be more readily controlled to simulate the temperature conditions under the hen than the older types of hot air incubators. It has been found that eggs hatching under a hen vary several degrees in their temperature on top and on the bottom. Why this is desirable is not known, but the fact remains that, up-to date a responsible motherly hen hatches a higher percentage of chicks than any incubator.

English experimenters have tried to imitate this condition by covering artificially hatching eggs with a thin sheet of rubber to keep the top warmer. They claim a highly increased per cent. in their hatch but the experiment has not been repeated in this country.

Mr. Burke found in his experiments that the carbon dioxide and moisture given off by the body of the hen during hatching are necessary elements in the chemical changes that render the calcium of the shell available for the bone formation of the embryo chick. The electric incubators were found to be superior in reproducing this condition also. The amount of moisture and carbon dioxide could be more easily controlled than in the hot air types and the quantity of each admitted to the eggs approximated more nearly the amount given off by the hen with a consequent increase in the hatching percentage of viable chicks.

GORILLA'S STRENGTH DUE TO PITUITARY ?

It is possible that the pituitary gland is responsible for the difference between men and gorillas.

The gorilla is, from the point of view of the structure of his anatomy, man's nearest relative. Contrasting man and his ape cousin in a lecture recently given before the Royal College of Surgeons, Sir Arthur Keith, M. D., F. R. S., said that man has stayed in a state of physical development corresponding to a gorilla's youth. In his evolutionary career man has moved in the direction of brain while his next anthropoid neighbor has progressed in the direction of brawn.