Related Problems and Solutions

(Continued from Page 20)

cent will continue toward automation, environmental control. and the handling of poultry manure.

Air Movement

One poultry consultant sees an improvement in fan efficiency and a trend toward larger fans, perhaps as large as 60 inches He also notes that variable speed

Air volume would be con- changes and stresses trolled by simply cutting off or is spread with many birds

The problems, say the ventilation experts, have been to develop controls that are sensi-

have waned during the past year loultry-engineering area in some 'parts of the country tems do work well, but the com- for their solution. mon complaint has been the high humidity conditions

cooling

tures and humidities

This brings to mind a need for quent differences in temperature keep them under control

started pullets

Engineering Help Sought

agricultural engineers in the layers. Interest in pad-type evapora- poultry industry and we welcome

Pennsylvania never did have in- some of the problems in the production. stallations of this type In some poultry industry, as engineers parts of the country these sys- we need your further assistance thing as far as the poultry in-

agement involved with the sys- ing broilers to the processing diseases. tem relating to utside relative plant. We have tried to straighten this out with the highway

The trend today is to depend people, however, there are still need to develop a system of In Pennsylvania most of the

Effect Of Gases?

research in varying the tempera- Another problem has to do However, if cage growing does tures for raising pullets. That with the detection of the various come into being, then some of 18, cycling the temperatures dur- gases in the poultry house to the people outside of Pennsyl-

This has proven to be bene- ammonia. The effects of am- the cages. They will be concern- balloon, this is 26 feet by 300 turning on fans because the total ficial to broilers and this prin- monia on the performance of ed relative to the choice be- feet, has been placed on a founchange in cubic feet per minute ciple should be carried over to broilers are probably not as well tween windowless and windowed dation with a large circulating known as the effects of ammonia houses. on egg. production.

However, it might be logical Relative to engineering, I to suspect that the effects would tive enough to do the job, yet should like to mention that we be detrimental to broilers, somecapable of withstanding the have had terrific cooperation what similar in economic magniworking conditions of a poultry here in Pennsylvania with our tude to the detrimental effect on

Layers exposed to excessive tive cooling systems seems to any further cooperation in the amount of ammonia do eat less feed, and it affects the rate of Just at random, concerning sexual maturity and the rate of

However, the most important dustry is concerned is that it We need to control poultry lowers the bird resistance to the maintenance costs and the man- feathers, especially in transport- onslaught of various respiratory

Caged Broilers?

In the poultry industry, we

system is utilized

on air movement and distribu- complaints of sifting Some of raising broilers in cages, how- bioiler houses are windowless; tion rather than on evaporating the large poultry processing ever, under the present manage- however, we have a lot of talk plants have installed large ment system utilizing cages for relative to the practicality of However, the industry does vacuum cleaners to at least clean broilers, breast blisters, poor the windows The common comneed a great deal more research out the crates before they are conformation and so forth are plaints concern the bird quality on the effects of air movement, returned to the farm. However, major problems that have to be as to the bind's poor pigmentaespecially at different tempera this is only part of the problem solved before this management tron, too many blisters and many downgrades, among other complaints However, how factual this complaint is can be argued.

Balloon Houses?

motors for fans are no longer ing the day, so that the pullets establish tolerances, then to needed with the image number of may be "hardened up" to subsemption to subsemption these so that we can housing being tried in the concerned about remodeling en housing being tried in the An example would be that of their present housing to adapt to Shenandoah Valley A reinforced Continued on Page 26)

Need . . .

HAY - STRAW - EAR CORN

Buy Now and Save!

More and more farmers are buying from us for better value and all around satisfaction

DELIVERED — ANY QUANTITY

Phone Area Code 717 687-7631

Esbenshade Turkey Farm

"America's Oldest"

PARADISE, PA.

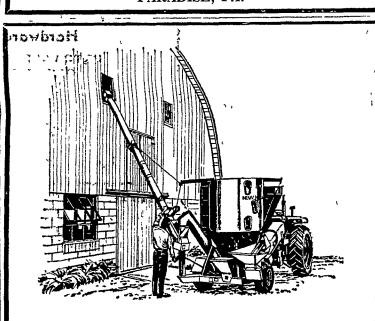


BIG DUTCHN

A Division of U.S. Industries, Inc.

215 Diller Ave., New Holland, Pa. 17557

Phone 354-5168



Unloads feed faster-and farther.

The New Holland Model 352 grinder-mixer unloads more than 50% faster than other leading brands. Two unloading augers are available: a 13' auger and a 17' auger that's hinged to operate at either 10' length or at 17' length. See us for a demonstration.



A. B. C. Groff, Inc.

110 S Railroad Ave. New Holland 354-4191

Roy A. Brubaker Lititz RD3 626-7766

L. H. Brubaker 350 Strasburg Pike 397-5179

C. E. Wiley & Son, Inc. 101 S Lime St., Quarryville 786-2895