

THIS OUTSIDE view of the 216-feet-long windowless house, shows its compact construction, the service doors, air vents and bulk feed bins



KRAYBILL, IN the foreground, and Charles Keagy, rear, THE CHUTES coming through the ceiling, gather eggs along the center "egg aisle" of his streamlined gravity feed mash and pellets from one of egg factory. Eggs are gathered from the 1,000 feet of nests, the fiveton capacity roof-top bulk feed three times daily.

LF PHOTO bins on the house. Feed drops directly into

the automatic feeder hoppers, which are electrically controlled. Should one unit break down, the other will provide ample feed for that side of the house LF PHQTO

Co. Poultryman Pioneers Full-Control

Most Lancaster county poultrymen would consider pro- ering cart, as it is wheeled along savings in sheathing beneath it. length feed troughts on each side duction of almost 6,000 eggs daily from 8,000 laying hens, the egg asle When a cart is full, The half-inch sheet rock was de- of the building with less than 40 hours total labor per week as a nearly it is wheeled into the cooing cided upon because of a "no- With 616 sq ft in each pen and perfect operation. Especially during the first year of pro- room, odd eggs placed in special sag' guarantee duction from a radically different type unit.

Most poultrymen would. But, not the man who owns operates it.

baskets, and the six-high filler The 20 x 50 feet service section each of the 588 birds in each pen stacks placed in cases after the is at one end, with 14 laying pens has slightly more than one square eggs cool Usually less than a occupying the rest of the struc- foot of floor space There are 27

deducting for equipment area,

Benjamin S Kraybill, RD 1, or reflections from windows; im-Marietta, is a slender, quiet, and provement of building mainteextremely unassuming person, nance, and the ability to adjust But once you inspect his new lay- egg production to the time of ing house, a suspicion of hidden day most convenient from the located in one corner of the serv- bulk feed bins, supplies, well talents begins to form in your labor standpoint through the automatic lighting system mind

The laying house can be described as a windowless, waste- offers several advantages These less, and fully automatic egg include disease prevention, and factory Ben, being something of maintenance of steady tempera perfectionist, would of course, atures insist it isn't fully automatic. But even the ancient skill of "picking least 10 degrees below outside henfruit" has been streamlined leadings in summer and will be in his plant to where it is hardly held around 40-50 degrees in more than an inspection tour of winter the 196 foot-long laying pens

Feeding is strictly a push-but- with the layers currently receivton operation. He doesn't even ing 14 hours per day. If merhave to press a button to water chandising required having the his birds As for the once hor- eggs leady for buyers at noon rendous task of cleaning the each day, the lights could be set poultry house, you guessed it it to have most of the laying done is another button, or rather, three from 10 or 11 pm to 10 am buttons

This leaves egg gathering, culling, and maintenance as hand la- ing the "Stimulating System' bor in the operation.

The most truly unique facets when his next pullets are placed

construction because of the com- spent in preparing the house plete control it offers of the entire operation

This includes

ing insulation; no window upkeep on the three shelves of the gath- of its inherent strength and the two units offer four house-

Controlled ventilation in inself

House temperature is kept at

All lighting is clock controlled,

baskets

other It is 14 x 20 feet in size, system chutes from the roof-top ice room, with the building's pump and large water tank. cinder-block walls forming two ture at 58 60 degrees

The inner insulation is the ing major difference, however It condow displays.

Resembling sponge rubber in in winter. its texture, Styrofoam is relamends it for this purpose

50 x 216 feet Walls are cinder- the 5000 mark block, the roofing is channel Kraybill is sold on windowless old birds to young without weeks wool bats, and an air space

dozen eggs must go in the odd ture. The service room contains nests in each pen, three high

room is no 'different than any units of the automatic feeding on the aisle.

The laying pens are divided sides and 2 x 4 studding the other by wire partitions, crossing every two walls A three-quarter ton 28 linear feet of the building. cooling unit holds the tempera- with a four-foot "egg aisle" running down the center of the build-

Ground breaking for the buildsists of a gleaming white, 2- ing foundations was last Nov 1, inch thick layer of Styrofoam, with most of the construction the sparkly, clisp, white plastic being handled by an Amish consubstance often seen in store win- struction ciew Kraybill emphasizes he would never again build

On March 29, 3,800 hvbrid pultively inexpensive, easy to clean, lets were housed with the rest and very effective in insulating of an 8240 pullet total added on the cooling 100m Although it April 8 and 10 Production had is a new substance for farm in-aligady started on April 1st sulation, Kraybill heartily recom- with 30 eggs recorded April 25th production was 3 000 and The building's overall size is by May 18 production reached

On each side of the aisle, the of the operation are windowless in the house When that day drain, copper-coated steel, inter- pens have a single V type water construction controlled ventila- comes, the slatted floor, pit clean- ior insulation on the ceiling con- trough running through the cen tion, case-fillers for egg gather- er and disease free conditions sists of a one-half inch layer of ter There are two endless-chain ing and the egg-room insulation will enable rapid transition from sheet rock, three inches of rock- type feed units on each side of the aisle providing feed tinsur-

a 14 x 20 egg cooling room, egg with the slanting wire floor feed-On the surface, the cooling washer, distribution and power ing eggs into the collecting tray

> The entire floor area of pens is of slat construction, with droppings falling into the pits, which are cleaned twice weekly with a system of three electrically operated pit cleaners his ten year old son and a manure spieader Even after months of use, the slat floors remain exceptionally clean, and with the twice weekly p.t cleaning leaves Kraybill with no parasite problem with his flock internal of external.

Many of these features have been incorporated into Lancas ter county laving houses before but as far as Kraybill knows, this 15 the first windowless, slatted floor automation house of its type in Pennsylvania

Although there are no windows 14 insulated doors were installed along each side of the building to be used in moving chicken crates in and out

Ventilation is handled by a specially designed system of pushpull fans with six per side Pro viding complete control of air circulation in any weather the system was paid for by savings in the windowless construction Acomplete change of air is made every three minutes in summer and six minutes in winter

'A lot of people were waiting

(Continued on page eleven)

The einder block walls are ance" for all layers, in case one Use of case fillers for egg coated with a special waterproof motor should buin out or megathering is a relatively new and cement mixture, sprayed on at chanical troubles develop Ben obvious time-saver The egg case high pressure This type wall was points out this insurance is one Control of ventilation and con filler flats are simply stacked used for economy and insulation major reason he selected his partrolled lighting, complete build- six high ready to go in the case, Steel loofing was used because ticular equipment, plus the fact

o_I any like period desired. Kravbill also is considering us-

with the 42 flourescent lamps,