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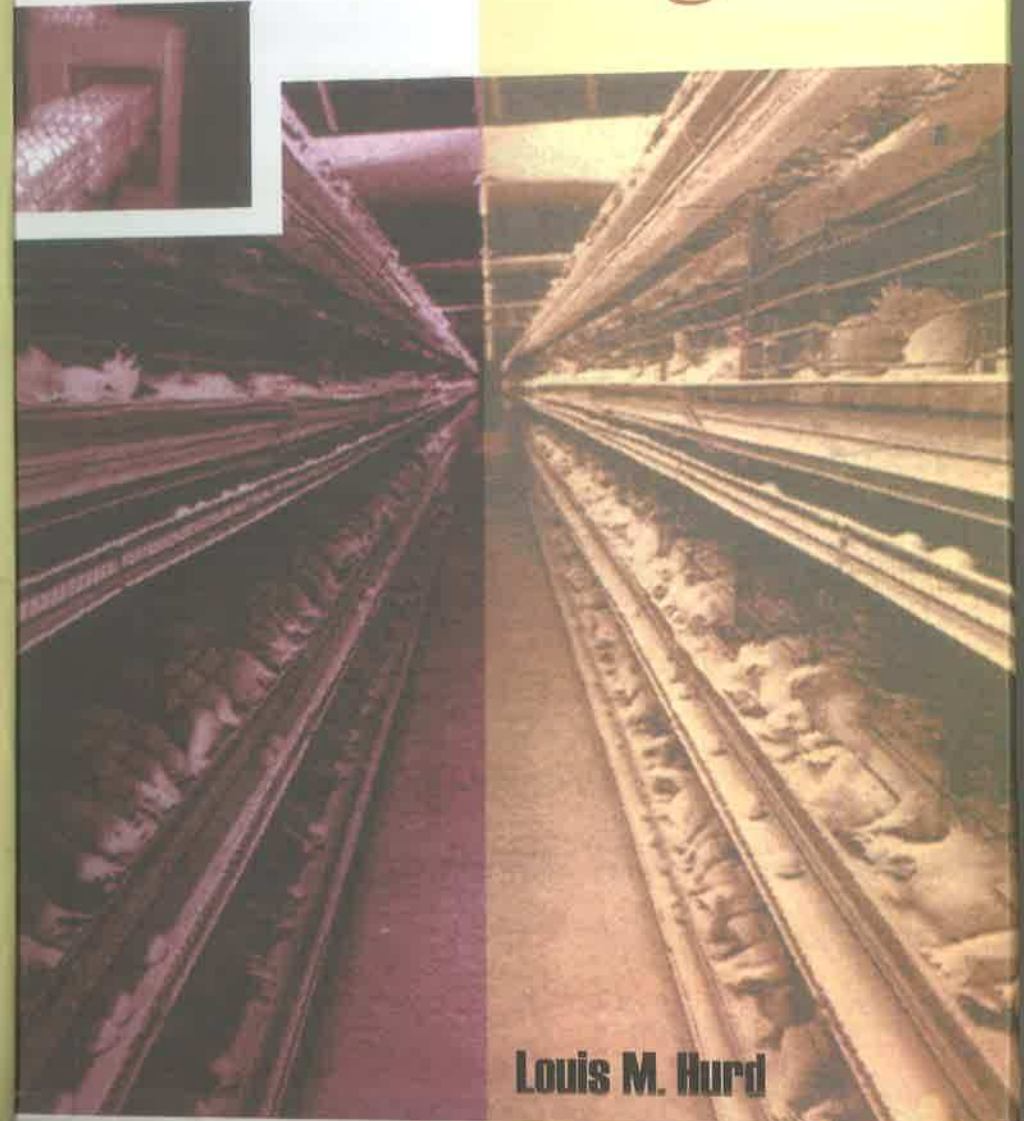


Modern  
Poultry  
Farming

Louis M. Hurd



# Modern Poultry Farming



Louis M. Hurd

**MODERN POULTRY  
FARMING**

**Louis M. Hurd**



## Preface

THIS book is prepared as a practical guide for both large and small poultry keepers and those interested in starting a poultry enterprise. The practices and methods are those most commonly used by successful poultry keepers and are based on scientific principles.

The author desires to express his appreciation to the following members of the Poultry Department at Cornell University, who read or approved parts of the manuscript in their particular field:

- Mr. F. E. Andrews..... feeding, caponizing and general management.  
Professor H. E. Botsford... egg marketing.  
Dr. J. H. Bruckner..... breeding methods.  
Dr. G. O. Hall..... breeds and breeding, selection and poultry marketing.  
Dr. G. F. Heuser..... feeding.  
Dr. F. B. Hutt..... genetics.  
Dr. W. F. Lamoreux..... genetics.  
Dr. L. C. Norris..... vitamins.  
Professor E. I. Robertson.. feeding and vitamins.  
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Professor L. E. Weaver.... management.  
Professor E. Y. Smith.... turkeys.

Also to other members of the staff who made suggestions and other contributions to the book.

The author wishes to express his appreciation for the assistance of Dr. E. L. Brunett, who read and approved the chapter on diseases and made several valuable suggestions. Dr. A. M. Goodman and F. L. Fairbanks of the Department of Agricultural Engineering of Cornell University for their suggestions on poultry house ventilation. Chapters V and XIII

PREFACE

are taken partly from Cornell Bulletins Nos. 153 and 410 written by these men.

Many of the pictures were especially taken by the author for this book. A number are from the files of the Poultry Department at Cornell University. In some cases illustrations have been taken from books or experiment station bulletins or have been supplied by commercial concerns, for which the author wishes to express his appreciation. Credit has been given in all such cases.

Although there is more information about poultry than ever before, it has not made the management of a flock any easier. If anything, it has added to the many conflicting ideas with regard to the best methods or practices to follow in caring for a flock. Every poultry keeper, therefore, needs to study, read extensively, and think clearly before starting an enterprise. Changes in practice should then be made cautiously and only when they are based on sound scientific evidence from reliable sources.

Ithaca, N. Y.

L. M. HURD

Contents

CHAPTER	PAGE
I. THE BUSINESS OF POULTRY-KEEPING . . . . .	1
II. STARTING A POULTRY ENTERPRISE . . . . .	8
III. CHOOSING A BREED . . . . .	22
IV. INVESTMENT, RETURNS AND EXPENSES IN POULTRY FARMING . . . . .	39
V. POULTRY-HOUSE CONSTRUCTION . . . . .	54
VI. A HOUSE FOR LAYING HENS . . . . .	79
VII. HATCHING THE EGGS . . . . .	98
VIII. REQUIREMENTS FOR BROODING CHICKENS . . . . .	131
IX. BROODING, FEEDING AND REARING CHICKENS . . . . .	159
X. CHOOSING A RATION . . . . .	189
XI. FEEDING THE LAYING STOCK . . . . .	217
XII. VITAMINS . . . . .	238
XIII. ARTIFICIAL ILLUMINATION AS A MEANS OF INCREASING EGG PRODUCTION . . . . .	255
XIV. MARKETING EGGS . . . . .	264
XV. MARKETING POULTRY . . . . .	298
XVI. CULLING AND SELECTING POULTRY BY EXTERNAL CHARACTERS . . . . .	348
XVII. SELECTION AND MANAGEMENT OF BREEDERS FOR EGG PRODUCTION . . . . .	377
XVIII. PRINCIPLES OF BREEDING POULTRY FOR EGG PRODUCTION . . . . .	403
XIX. POULTRY DISEASES . . . . .	421
XX. TURKEYS, GUINEA FOWLS AND PEAFOWLS . . . . .	501
XXI. DUCKS, GEESE AND SWANS . . . . .	531
XXII. PIGEONS . . . . .	555
XXIII. PHEASANTS . . . . .	562
APPENDIX . . . . .	571
INDEX . . . . .	583

TABLE 6 (Continued)

FEEDSTUFF	VITAMIN A PER POUND	VITAMIN B <sub>1</sub> PER POUND	VITAMIN D PER POUND <sup>1</sup>	VITAMIN E <sup>2</sup>	VITAMIN G (RIBOFLAVIN) PER POUND	CHICK ANTIDERMATOSIS FACTOR PER POUND
	International Units	International Units	A. O. A. C. chick units <sup>3</sup>		Micrograms (gammas) <sup>4</sup>	Modified Jukes-Lepkowsky units <sup>5</sup>
<i>Grain and seeds</i>						
Cod-liver oil . . . . .	340,190 <sup>7</sup>	0	45,360 <sup>7</sup>	0	0	0
Cod-liver oil, fortified . . . . .	1,362,000	0	181,600	( <sup>6</sup> )	0	0
Fish meal, white . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	4,500	.2
Fish meal, sardine . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	3,200	.2
Fish meal, menhaden . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	2,250	.2
Liver meal, Argentine . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	18,500	8.0
Meat scrap . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	.....	( <sup>6</sup> )	2,700	.2
Pork liver, dried . . . . .	47,670	170	206	( <sup>6</sup> )	45,360	10.0
Sardine (pilchard) oil . . . . .	45,240	( <sup>6</sup> )	45,360	( <sup>6</sup> )	0	0
Skim milk, liquid . . . . .	15	40	.....	+	1.00	.3
Skim milk, dried . . . . .	130	400	.....	+	9,500	2.5
Tankage . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	.....	( <sup>6</sup> )	800	( <sup>6</sup> )
Whey, dried . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	.....	( <sup>6</sup> )	12,000	4.0
<i>Green feeds, etc.</i>						
Alfalfa (green) . . . . .	63,560	225	.....	++	2,000	.1
Alfalfa-leaf meal, dehydrated . . . . .	95,000	450	.....	+++	8,000	3.0
Alfalfa-leaf meal . . . . .	32,000	400	14	+++	7,000	2.0
Alfalfa meal . . . . .	13,000	400	.....	+++	5,000	1.5
Cabbage . . . . .	200	100	.....	( <sup>6</sup> )	100	( <sup>6</sup> )
Cane molasses . . . . .	( <sup>6</sup> )	( <sup>6</sup> )	.....	( <sup>6</sup> )	2,000	6.0
Carrots . . . . .	18,200	100	.....	( <sup>6</sup> )	120	.1
Kale . . . . .	181,400	100	.....	( <sup>6</sup> )	2,240	( <sup>6</sup> )
Potatoes . . . . .	220	80	.....	( <sup>6</sup> )	55	( <sup>6</sup> )
Red clover hay . . . . .	9,000	450	.....	+++	( <sup>6</sup> )	( <sup>6</sup> )
Turnips . . . . .	( <sup>6</sup> )	70	.....	( <sup>6</sup> )	45	( <sup>6</sup> )
Yeast, brewers', dried . . . . .	( <sup>6</sup> )	4,500	.....	0	16,000	15.0

<sup>7</sup> Cod-liver oil, if it is to be sold legally as such in interstate commerce, must contain at least 272,150 International Units of vitamin A and 38,590 International Units of vitamin D per pound. The vitamin A content of cod-liver oil varies from 272,150 to about 1,000,000 International Units per pound and the vitamin D content from 38,590 to about 160,000 units per pound. Cod-liver oil and other vitamin-bearing fish oils should be purchased only from reliable sources and should be used according to the manufacturer's guarantee of their vitamin potency.

<sup>4</sup> From U. S. D. A. Yearbook of Agriculture, 1939.

## Index

- Abdomen, condition of, 374  
 Abnormal eggs, 272  
 Age  
   as an indication of production, 134  
   at sexual maturity, 376, 387  
   indications of in market poultry, 299  
   of breeding stock, 381  
 Air  
   cell, 107, 116  
   movement in a poultry house, 56  
   requirements, 56  
 Air-sac mites, 484  
 Albumen  
   kinds of, 107, 265  
   quality of, 268, 271, 272  
   secretion of, 108  
 Alfalfa  
   hay, 206  
   meal, 205  
 All-mash  
   feeding, 172, 226  
   rations, 220  
 American  
   class and breeds of poultry, 571  
   Poultry Association, 24  
   Standard of Perfection, 24, 387  
 Amino acids in proteins, 191, 192  
 Anconas, 26, 29  
 Animal proteins, 200  
 Anti-gizzard erosion factor, 253  
 A. O. A. C. units, 207  
 Appliances  
   feeding, 88, 89, 166, 167, 168, 169, 170, 232  
   lighting, 262  
   poultry house, 85  
   watering, 91, 92, 176, 177, 229, 230, 231  
 Artificial illumination (see Illumination)  
 Ash, 192  
 Asiatic class and breeds, 571  
 Aspergillosis, 429  
 Axial feather, 364, 365  
 Bacteria  
   and disease, 421  
   and egg quality, 273  
 Bakery products, 197  
 Banding  
   chicks, 129, 395  
   breeders, 125, 392, 394  
 Barley, 195  
 Barred Plymouth Rocks, 33, 34  
 Barring, inheritance of, 409  
 Batteries  
   for chicks, 183  
   for laying, 93  
 Beak pigmentation, 387  
 Beans, 197  
 Blackhead, 430, 511, 517, 525  
 Black Jersey Giants, 29, 32  
 Blastoderm, 107  
 Blood  
   dried, 201  
   spots, 272  
 Bloody eggs, 272  
 Body type as indication of capacity, 370  
 Bone meal, 212  
 Botulism, 431  
 Boxes for chicks, 296  
 Brahmas, 29, 30, 31  
 Bran wheat, 199  
 Breast blisters, 189  
 Breed  
   characteristics, 26  
   choosing, 22  
 Breeders  
   age, 381  
   artificial illumination for, 236, 261  
   feeding, 235  
   mating, 389  
   pedigree hatching, 125, 395  
   rations for, 217, 218, 219, 220  
   selection of, 346, 377, 385, 387  
 Breeding, 377, 403  
 Chickens, 377  
 Ducks, 535  
 Geese, 550

- Breeding—*Continued*  
 guineas, 528  
 peafowl, 529  
 pheasants, 563  
 pigeons, 559  
 practices, 377  
 principles, 403  
 swan, 554  
 turkeys, 503
- Breeding for  
 broilers, 300  
 egg production, 377  
 livability, 381
- Breeding males, 387
- Breeding plans, 392
- Breeding records, 128, 397-402
- Breeding stock selection, 346, 377
- Breeds of chickens, 24  
 for broilers, 335  
 for capons, 346  
 comparison of light vs. heavy, 51  
 egg, 26  
 meat, 29  
 miscellaneous, 36  
 number of, 24  
 origin of, 23  
 selection, 21  
 standard weight of, 574  
 general purpose, 32
- Breeds and varieties of  
 ducks, 531  
 geese, 548  
 guineas, 527  
 pheasants, 562  
 pigeons, 555  
 turkeys, 501
- Broiler production, 334
- Broilers  
 batteries for, 336  
 breeds for, 335  
 cutting up, 321  
 definition, 331  
 feeding, 172  
 marketing, 337
- Bronchitis, infectious, 432  
 chick, 432
- Brooder houses  
 colony, 141  
 permanent, 140  
 portable, two-room, 146  
 ventilation of, 163
- Brooders  
 battery, 185  
 capacity of, 161  
 coal, 149  
 electric, 138, 152  
 gas, 152  
 oil, 151  
 wood, 155
- Brooder record  
 board, 396  
 sheet, 128
- Brooding, 159  
 artificial, 137  
 battery, 183  
 chickens, 159  
 clean ground in, 177  
 confinement, 181  
 costs, 49, 156  
 crowding in, 163  
 ducks, 540  
 equipment, 149, 159  
 exercise in, 164  
 feeding practices in, 165, 172  
 feed required in, 174  
 floor space in, 160  
 geese, 552  
 growth rate in, 174  
 guards in, 161  
 guineas, 528  
 keeping old and young separated  
 in, 165  
 litter for, 160  
 natural, 123, 136  
 natural enemies in, 182  
 outside yards in, 162  
 pastures in, 135  
 peafowl, 529  
 pheasants, 565, 569  
 planning, 132  
 range for, 134  
 requirements, 131  
 sanitation, 159  
 segregating sexes in, 177  
 temperature, 162  
 turkeys, 515  
 ventilation in, 163
- Broodiness, 387, 417
- Broody coop, 87
- Broody hens, management of, 237,  
 376

- Buckwheat, 195
- Bulk in a ration, 214
- Bumble foot, 488
- Business management of a poultry  
 farm  
 fundamental factors, 43
- Buildings on a poultry farm, 20
- Buttermilk, 201
- Cabbage, 206
- Cafeteria feeding, 225
- Calcium  
 in egg production, 193, 211  
 for growth, 211  
 sources of, 212  
 requirements, 216
- Campines, 29
- Candling eggs, 274  
 equipment, 275
- Cane molasses, 200
- Cannibalism  
 among chicks, 498  
 among hens, 495  
 in batteries, 187
- Canning poultry, 342
- Capital investment on a poultry  
 enterprise, 5, 39
- Caponizing, 343-347  
 best age for, 343  
 breeds for, 347  
 care after, 344  
 instruments for, 344  
 operation of, 345-346  
 preparing for, 343
- Capons  
 feeding, 347  
 marketing, 347  
 profits from, 347
- Carbohydrates, 192
- Carotene and Vitamin A, 241, 242
- Carriers for poultry houses, 64, 93
- Carrots, 206
- Catching equipment, 351, 352, 353,  
 354, 355
- Cartons for eggs, 284, 285
- Case, for eggs, 287  
 home-made, 286  
 method of packing eggs, 287
- Ceca and coccidiosis, 438
- Cecal worms, 438, 439
- Cells  
 division, 408  
 reproductive or gamete, 408
- Chalaza, 107, 109, 265
- Characters, 409  
 dominant, 413, 417  
 inheritance of, 412, 414  
 recessive, 413, 417  
 transmission, 417
- Charcoal, 213
- Chemical disinfectants, 422, 425
- Chicken mites, 482
- Chicken pox, 452
- Chicken  
 breeds of, 24  
 classification of, 26  
 classes of market, 331  
 cut-up, 324  
 defects in, 379  
 dressed grades of, 333  
 grading live, 332  
 origin of, 23  
 temperature of, 189
- Chicks  
 banding, 129, 395  
 battery brooding, 183  
 brooding with hens, 136  
 confinement brooding of, 181  
 effects of overheating, 163  
 embryo development of, 110  
 feed consumption by, 174  
 feeding, 165  
 floor space for, 160  
 growth of, 174  
 hover space for, 161  
 mortality of, 50  
 pasture for, 138  
 practices in rearing, 159  
 ration for, 171  
 sexing, 122  
 shipping, 295  
 temperature in brooding, 162  
 when to hatch, 132
- Chiggers, 487
- Chlorine, 211
- Cholesterol, 249
- Choline, 254
- Chromosomes, 408  
 characters in, 409  
 sex, 408
- Clam shells, 212

Classes of chickens, 571  
 Classification of poultry, 24  
 Cleaning  
   eggs, 281, 282  
   brooder equipment, 159  
   houses, 424  
   incubators, 119  
 Climate for poultry, 12  
 Coccidiosis, 435  
 Cod liver oil, 206  
 Cold storage  
   of eggs, 291  
 Colony brooder house, 141  
 Comb  
   changes with production, 355  
   defects, illustrated, 381  
   dubbing, 390, 490  
   frozen, 490  
   rose, inheritance of, 417  
   types, illustrated, 25  
 Commercial poultry farming  
   a study of, 39  
 Comparison of  
   light and heavy breeds, 51  
 Composition  
   of egg without shell, 109  
   of feeds, 577  
 Concrete  
   floors, 77, 81  
   mixtures, 70, 82  
   walls, 81  
   foundations, 77, 81  
   forms for, 81  
 Condensed milk products, 201, 231  
 Confinement  
   of chicks, 181, 183  
   of layers, 93, 205  
 Consumer preference  
   for eggs, 271  
   for turkeys, 503  
 Consumption  
   of eggs, 2  
   of poultry meat, 2  
 Continental class of poultry, 573  
 Cooling  
   dressed poultry, 319  
   eggs during incubation, 117  
   market eggs, 266, 280  
 Coops, broody, 87  
 Copper in nutrition, 211

## INDEX

Corn, 195, 218  
   feed meal, 196  
   gluten meal, 203  
   effect on meat quality, 301  
 Cornish, 31  
 Coryza, infectious, 459  
 Costs  
   of broiler production, 336, 337  
   of raising pullets, 49, 50  
   of egg production, 39  
   of producing turkey hatching eggs, 511  
 Cottonseed meal, 203  
 Crematory for dead chickens, 426  
 Crop-bound, 488  
 Cross breeding, 37, 419  
 Cross breeds for meat purposes, 300  
 Crosses for sex identification, 411  
 Crowding, 163  
 Culling  
   body capacity in, 370  
   definition of, 342  
   handling quality in, 374  
   how to cull, 350  
   importance of, 342  
   judging, intensity of laying while, 370  
   judging persistency in laying while, 359  
   judging present production in, 355  
   molt in, 363  
   pigmentation in, 359  
   skin in, 375  
   temperament in, 375  
   the head in, 371  
   time of year for, 349  
 Defects in breeding birds, 379  
 Dietary requirements of poultry, 215  
 Disease  
   carriers of, 421  
   diagnosis of  
     by external examination, 427  
     by autopsy, 428  
   prevention of, 424  
 Disinfectants, 425  
 Disinfecting a poultry house, 424  
 Dominant characters, 413, 417  
 Dorking, 31  
 Double-yolk eggs, 272

## INDEX

Dressing  
   chickens, 308  
   ducks, 544  
   guineas, 529  
   geese, 553  
   squabs, 560  
   turkeys, 524  
 Dried milk, 201  
 Dried whey, 201  
 Dried blood, 201  
 Dropping  
   boards, 64, 83  
   pits, 64, 83  
 Droppings  
   amount excreted, 499  
   composition of  
     chicken, 500  
     duck, 547  
 Dry picking, 311  
 Dried eggs, 293  
 Dubbing, 390, 490  
 Ducks  
   breeds, 531  
   brooding, 541  
   care and marketing of feathers, 546  
   commercial duck growing, 541  
   equipment and location for, 534  
   diseases, 547  
   feeding laying and breeding, 537  
   feeding ducklings, 542  
   green ducks defined, 535  
   hatching of, 537  
   laying and breeding rations, 538  
   management of breeders, 535  
   marketing eggs from, 546  
   pellets for, 543  
   rations for young, 543  
   selection and management of, 535  
 Ear lobe, 379  
   pigmentation in, 360  
 Egg bound, 489  
 Egg breeds, 26  
 Egg-eating, 495  
 Egg sorting table, 126  
 Egg  
   composition without shell, 109  
   fertilization, 108  
   formation, 107  
   fresh  
     broken out appearance, 268  
   Egg—Continued  
     candling appearance, 277  
     structure, 107, 264  
   Egg cartons, 284, 285  
   Egg-marketing methods, 290  
   Egg prices, 290  
   Egg production  
     annual decline in, 291  
     body changes and, 374  
     breeding for, 377  
     effect of lights on, 255  
     feed consumption and, 221  
     geographical distribution of, 2  
     head characteristics and, 371  
     inheritance of, 404  
     labor income and, 44  
     mineral requirements for, 216  
     molt in relation to, 363  
     persistence of, 359  
     pigmentation in relation to, 359  
     protein requirements for, 216  
     progeny testing for, 388, 392  
     rations for, 217, 218, 219, 220  
     seasonal distribution of, 296  
     sexual maturity and, 376  
     vitamin requirements for, 216  
   Egg quality, 264, 387  
     changes in, 266, 269  
     cotton seed meal and, 203, 270  
     dark yokes and, 270  
     flavor and odor of eggs, 271  
     feeding and, 269  
     frequent marketing and, 284  
     humidity and, 267  
     inheritance of interior, 268  
     maintenance of, 280  
     measure of, 274, 275, 276  
     rapid cooling and, 282  
     rough handling and, 106, 271  
     temperature and, 266  
     vitamins and, 269  
     washing and, 273  
   Egg room, 283  
   Egg shape  
     affected by isthmus, 108  
     inheritance of, 277  
   Egg size  
     influenced by high temperature, 66  
     inheritance of, 277  
   Egg, time required to form, 108

## INDEX

- Eggs  
 abnormal, 272  
 albumen of, 108, 265, 268  
 blood spots, 272  
 candling, 274  
 care of, on the farm, 280  
 case shipments of, 287  
 cartons for, 284, 285  
 chalaza of, 107, 109, 265  
 cleaning, 274, 281  
 cold storage of, 291  
 color of, 279  
 cooling, methods of, 282  
 composition without shell, 109  
 cost of producing, with high and low mortality, 47  
 definition of fresh, 264  
 determining price of, 291  
 dirty, washing and preventing, 273  
 double yolks, 272  
 dried, 293  
 effect of feeds on, 269  
 effect of high temperature on, 266  
 effect of humidity on, 267  
 external appearance, 276  
 fertilization of, 108  
 fishy flavor of, 271  
 flavor of, 271  
 formation of, 107  
 frozen, 293  
 gathering, 280  
 germinal disk, 108  
 grades of, 277  
 hatching, 105  
   chilling, 106  
   cooling, 105  
   dirty, 106  
   holding time for, 106  
   holding temperature for, 106  
   incubation of, 111  
   position of, 114  
   selection of, 105, 279  
   shipping, 289  
   size, 105, 279  
   turning, 106  
 handling on farm, 280  
 holding temperature for market, 280  
 home preservation of, 294  
 inter quality of, factors affecting, 266
- Eggs—Continued  
 meat spots in, 272  
 methods of marketing, 290  
 moisture conditions for holding, 267, 280  
 odors and flavors effecting, 270, 271  
 oil treated, 292  
 packing for shipment, 284  
 parcel-post shipment of, 286  
 per hen, 44  
 pink white of, 270  
 rough handling of, 271  
 shape of, 277  
 shipping, 287  
 size of, 277  
 structure of, 264  
 U. S. grades of, 277  
 vitamins in, 269  
 weight of, 277, 278
- Electric hovers, 138, 152  
 Embryo, chick, development of, 109  
 English class of poultry, 572  
 Epidemic tremors, 441  
 Ergosterol, 249  
 Essential points in physical selection, 378  
 Expense in poultry farming, 41  
 External parasites, 480  
 Eye worms, 479
- Factors R, S, U, 254  
 Fall production, 45  
 Farm plan, 192  
 Fattening rations for poultry, 18  
 Faverolles, 36  
 Favus, 442  
 Feather, axial, 364, 365, 369  
 Feather mites, 483  
 Feather picking, 499  
 Feathers  
   care and sale of duck, 546  
   of turkey, 525  
   order of molt, 369
- Feed  
 amount consumed  
   by chicks, 50, 156, 174  
   by ducks, 543  
   by laying hens, 51  
   by turkeys, 524  
 cost in egg production, 41

## INDEX

- Feed—Continued  
 cost in growing broilers, 336  
 cost in growing pullets, 50  
 room, 93
- Feed-hoppers  
 for growing chickens, 166, 167, 170  
 for ducks, 542  
 for hens, 88, 89  
 for turkeys, 522
- Feeding  
 all-mash, 226  
 animal protein, 200  
 breeders, 235,  
 broilers, 172  
 broody hens, 237  
 changes, 232  
 clam shells, 212  
 charcoal, 213  
 chicks, 165  
 ducks, 536, 542  
 free choice, 225  
 geese, 551, 553  
 grain and mash, 222  
 grain in hoppers, 224  
 green feed, 228  
 grit, 213, 229  
 guinea fowl, 529  
 hens in summer and fall, 234  
 laying hens in hot weather, 235  
 legume hay, 206  
 manganese, 213  
 methods, 220  
 milk, 231  
 minerals, 229  
 oyster shell, 213  
 peafowl, 529  
 pellets, 228  
 pheasants, 564, 566  
 pigeons, 558  
 principles of, 189  
 pullets, 233  
 space required for  
   chicks, 166  
   hens, 224  
   turkeys, 513, 522  
 salt, 212  
 silage, 218  
 supplements, 170, 227  
 swans, 554  
 turkeys, 513, 520  
 to force molt, 235
- Feeding—Continued  
 to prevent slumps in production, 236  
 vegetables, 206  
 water, 229  
 wet mash, 227
- Feeds  
 classification of, 190  
 composition of, 215, 577  
 laxative, 214  
 moldy, 429  
 palatability of, 214  
 variety in selecting, 214
- Fertility  
 following mating, 289
- Fiterita, 198  
 Fiber, 192  
 Financing a poultry farm, 15  
 Fish meal, 202  
 Fish oil, 206  
 Flea, description of and treatment, 485  
 Flock mating, 391  
 Flock size and profits, 43  
 Flock renewal, 133  
 Floors for poultry houses, 77, 79  
 Floor space for  
   chicks, 160  
   ducks, 535  
   hens, 67  
   turkeys, 509  
 Flukes, 480  
 Formalin, 120  
 Foundations, house, 77, 79  
 Fowl  
   ancestry of, 23  
   grades of dressed, 333  
   grades of live, 332  
 Fowl cholera, 443  
 Fowl paralysis, 445  
 Fowl pox, 452  
 Fowl tick, 484  
 Fowl tuberculosis, 470  
 Fowl typhoid, 457  
 Fowls  
   air requirements, 56  
   body temperature of, 189  
 Free choice feeding, 225  
 Freezing  
   cabinets, 339



- Freezing—*Continued*  
 eggs, 293  
 preparation of poultry for, 339  
 French class of poultry, 573  
 Fresh eggs  
 appearance of broken out, 268  
 candled appearance of, 277  
 Frizzle, 36  
 Frozen combs and wattles, 490  
 Frozen-food lockers, 338  
 Fuel cost of brooding, 156, 157  
 Fumigation of incubator, 119  
 Game class of poultry, 573  
 Gametes, development of, 408  
 female, 408  
 male, 408  
 Gape worms, 477  
 Geese, 547  
 care of young, 553  
 feathers of, 553  
 general management, 548, 551  
 hatching, 552  
 marketing, 553  
 noodling, 553  
 opportunities in growing, 548  
 sex, 550  
 varieties of, 548  
 Genes, 409  
 General-purpose breeds, 32  
 Germ cells, 407  
 Germ spot, 109, 265  
 Gizzard worms, 479  
 Glass substitutes, 76, 210  
 Gluten meal, 203  
 Grades  
 of dressed poultry, 333  
 of eggs, 277  
 of live poultry, 332  
 Grading, 420  
 Grain for poultry feed, 194  
 Grain standards, U. S., 195  
 Green feed for poultry, 204  
 Green pasture, 205  
 Grit, 213  
 Growth  
 cross breeding effects on rate of, 37  
 feed requirements for normal, 216  
 mineral requirements for, 216  
 protein level and rate of, 173

## INDEX

- Growth—*Continued*  
 sex difference in rates of, 300  
 vitamin requirements for, 216  
 Glucuronic acid, 254  
 Guineas, 527  
 Hamburg class of poultry, 29, 572  
 Handling quality in determining the  
 production of a hen, 374  
 Harmful plants and seeds, 216  
 Hard-scald picking, 312  
 Hatchability  
 age of parents and, 381  
 breeding to increase, 385, 387  
 cross breeding and, 37  
 Hatching basket, 126  
 Hatching  
 by hens, 123  
 pedigree, 125  
 season, 132  
 with incubators, 98  
 Hatching eggs  
 care of, 105  
 cleaning, 106  
 holding temperature, 105  
 holding time, 106  
 position of, 114  
 selection of, 105  
 turning, 106, 117  
 Head  
 defects in male, 381  
 different types of combs and heads,  
 24  
 judging production by, 371  
 Heat  
 effect on egg quality, 266  
 for poultry houses, 66  
 Heat prostration, 65, 490  
 Hen batteries, 93  
 Heredity, 404  
 Heterozygous, 414  
 High production, how determined,  
 383  
 Hominy, 197  
 Homozygous, 413  
 Hoppers, feed (see Feed-hoppers)  
 Houdan, 36  
 Houses  
 brooder, 146  
 cleaning equipment for a, 486, 487  
 colony, 141

## INDEX

- Houses—*Continued*  
 construction of, 54, 141  
 dropping boards in, 65, 83  
 dropping pits in, 65, 83  
 floor in, 77, 79  
 floor space (see Floor space)  
 foundation for, 77, 79  
 insulation of, 74, 75  
 laying, 81  
 location of, 54  
 multi-story, 68  
 nests for, 84  
 permanent, 140  
 portable two room, 146  
 roofing materials, 73  
 size of, 67  
 straw loft in, 55, 72  
 style of roof, 71  
 sunlight in, 62  
 temperature in, 64  
 ventilation of, 54  
 Humidity  
 in battery rooms, 187  
 in egg storage rooms, 267  
 in incubators, 115  
 in laying houses, 54  
 Illumination  
 all night, 256  
 arrangement of lights and reflectors,  
 262  
 artificial, 255  
 cost of, 261  
 feeding with, 259  
 kinds of, 262  
 management of hens under, 259  
 Inbreeding, effects of, 418  
 Income  
 from broiler production, 337  
 from egg production, 40  
 Incubation  
 artificial, 98  
 cooling eggs during, 117  
 critical periods in, 110  
 embryo development during, 110  
 hens for, 123  
 humidity requirements during, 115  
 loss in weight during, 116  
 taking off the hatch, 119  
 temperature for, 114  
 Incubation—*Continued*  
 turning eggs during, 117  
 ventilation during, 118  
 Incubator cellar or room, 104  
 Incubator record, 128  
 Incubators  
 disinfecting, with gas, 120  
 location of, 104  
 mammoth cabinet, 102  
 mammoth sectional, 101  
 small, 100  
 testing eggs during incubation, 112  
 ventilation of, 118  
 Indian runner, 532  
 Inheritance of  
 albumen quality in eggs, 268  
 a pair of characters, 412  
 barring, 410  
 characters, 412  
 early maturity, 173, 376  
 egg production, 383  
 egg size, 278  
 fishy flavor in eggs, 271  
 longevity, 381  
 rose comb, 413  
 sex-linked characters, 410  
 two pairs of characters, 412  
 Insulation of houses, 74, 75  
 Internal layer, 491  
 Intestinal worms, 473  
 Iodine, 425  
 Iron, 211  
 Irradiation of birds, 210  
 Jersey Black Giants, 32  
 Jungle fowl, 23  
 Kafir, 198  
 Kale, 206  
 Killing poultry, 309  
 Labor  
 cost of  
 in broiler production, 336  
 in chick production, 50, 156, 157  
 in egg production, 41, 51  
 efficiency, 45  
 income, definition, 42  
 factors affecting, 47  
 Lamona, 8  
 Langshan, 571

- Laryngotracheitis, infections, 460  
 Layers  
   amount of feed consumed by, 51  
   artificial lights for, 255  
   housing, 54  
   mortality among, 47, 51  
   rations for, 217, 219, 220  
   selecting, 348  
 Laying batteries, 93  
 Laying house (see Houses)  
 Leg banding  
   chicks, 129, 395  
   pullets and hens, 392  
 Leghorn, 27, 28  
 Leukemia (see Fowl paralysis)  
 Lice, 480  
 Lights (see Illumination)  
 Limberneck (see Botulism)  
 Lime stone, 212  
 Line breeding, 419  
 Linseed oil meal, 204  
 Litter  
   for chicks, 160  
   for ducks, 535  
 Live poultry  
   grades of, 332  
   shipping, 303  
 Livability  
   inheritance of, 381  
   selecting for, 381, 387  
 Liver meal, 208  
 Longevity in breeding poultry, 381  
 Lye  
   as a disinfectant, 424  
   for washing eggs, 274  
 Magnesium, 211  
 Maintenance, nutritive requirements  
   for, 189, 221  
 Male  
   choosing breeding, 387  
   progeny testing, 392  
   ratio to females, 388, 389  
 Manganese, 211, 213, 216  
 Manure  
   duck, 547  
   poultry, 499  
 Market eggs (see Eggs)  
 Market poultry (see Poultry)  
 Marketing, chicks, 295  
   containers for eggs, 284, 287  
 Marketing—Continued  
   dressed poultry, 306  
   eggs, 284, 287  
   geese, 543  
   guineas, 529  
   live poultry, 302  
   live U. S. dressed poultry, 302  
   squabs, 560  
   turkeys, 524  
 Marking broody hens, 376  
 Mash, feeding  
   all mash to chicks, 168, 172  
   all mash to hens, 226  
   concentrates, 218  
   wet, 227  
 Mating  
   breeders, methods of, 391  
   fertility after, 389  
   flock, 391  
   pen, 391  
   stud, 392  
 Maturity early, 173, 376, 387  
 Meat breeds, 29  
 Meat scraps, 202  
 Mediterranean class of poultry, 572  
 Mendelism, 412  
 Mercurial ointment, 481  
 Methods of feeding, 220  
 Middlings, 199  
 Milk and milk products, 200  
   feeding to chicks, 170  
   feeding to hens, 231  
 Millet, 197  
 Milo, 198  
 Mineral mixtures, 211  
 Mineral requirements  
   for chicks, 216  
   for egg production, 216  
 Minerals, 211  
   defined, 192  
   sources of, 211  
   uses of, 212  
 Minorcas, 28  
 Miscellaneous class of poultry, 573  
 Mites, 482  
   air-sac, 484  
   depluming, 482, 483  
   northern, 484  
   scaly-leg, 483  
 Mixing concrete, 70

- Moisture  
   in egg rooms, 267, 283  
   in incubation, 115  
   in laying houses, 57  
 Molasses, cane, 200  
 Molt  
   chick, 369  
   factors influencing, 369  
   forcing the, 235  
   an indication of laying, 363  
   variations of, 366  
 Mortality  
   causes of, 421  
   embryo, 111  
   of growing chicks, 50  
   of laying flock, 46, 51  
 Mushy chick disease (see Omphalitis)  
 Mutation, 405  
 Natural enemies of chickens, 182  
 Nests  
   for hatching, 124  
   number of, 84  
   trap, 86  
 Net income, 42  
 New Hampshires, 35  
 Nicotine sulphate  
   for lice, 481  
   for northern mites, 484  
 Nitrogen—free extract, 192  
 Nomenclature of poultry, 379  
 Non-broodiness selection for, 387  
 Noodling geese, 553  
 Northern fowl mite, 484  
 Nutrient defined, 190  
 Nutrients, essential, 190  
 Nutritional roup, 240  
 Oats, 197  
   sprouted, 206  
 Oil-burning brooder stoves, 151  
 Oil meal, linseed, 204  
 Oils, fish, 206  
 Oil-treated eggs, 292  
 Omphalitis, 463  
 Oriental class of poultry, 573  
 Organizing a poultry business, 8  
 Ornamental bantams, 573  
 Orpingtons, 35  
 Out-crossing, 419  
 Out-door hopper for chickens, 170  
 Ovary, 108  
 Oviduct, 108  
 Oyster shells, 212  
 Packing and shipping eggs, 284  
 Palatability of feed, 214  
 Pantothenic acid, 252  
   requirement for chicks, 216, 252  
   sources, 253  
 Paralysis  
   fowl, 445  
   nutritional, 250  
 Parcel post shipping  
   chicks, 295  
   of eggs, 286  
 Parasites  
   external, 480  
   internal, 473  
 Partitions in a poultry house, 76  
 Pasture for poultry, 134  
 Pasture mixture for poultry, 135  
 Pause, winter, 387  
 Peafowl, 529  
 Peanut oil meal, 204  
 Peas, 198  
 Pedigree hatching, 125  
 Pedigree, selection by, 396  
 Pekin, 531  
 Pellets, 228  
 Pelvic bones, and egg laying, 337  
 Perches for poultry house, 82  
 Performance records, 398  
 Period, incubation, 132  
 Perosis, 492  
 Persistency  
   in laying, 359  
   in molting, 363  
 Pheasants  
   common breeds in United States,  
     562  
   breeding and care, 563  
   feeding the young, 566, 567, 570  
   incubation of eggs, 565, 568  
 Phosphorus  
   for growth, 216  
   requirements for egg production,  
     216  
 Pick-outs (see Cannabilism)  
 Pigeon-pox vaccine, 453  
 Pigeons  
   breeds of, 555

- Pigeons—*Continued*  
 feeding, 558  
 housing, 555  
 marketing, 560  
 mating, 559  
 vermin and sanitation, 561
- Pigmentation as an indication of laying, 359
- Plucking live geese, 553
- Plumage  
 color, inheritance of, 417  
 dominant white, 417  
 recessive white, 417  
 sex-linked barring, 410
- Plymouth Rocks, 34
- Poisoning, 493
- Poisonous plants and seeds, 216
- Polish class of poultry, 36
- Post-mortem examination of poultry, 428
- Potassium, 211
- Potassium permanganate, 425
- Potatoes, 206
- Poultry  
 age of market, 299  
 breeds, 22  
 canning, home, 342  
 classes, 24  
 compared with other farm products, 4  
 comparison in numbers with other live-stock and human population, 3  
 consumption per capita, 2  
 cooling, 319  
 coops for shipping, 303  
 cross breeds for meat, 300  
 cut up, 324  
 deboning, 330  
 diseases of, 421  
 drawing, 319  
 dressing methods, 311  
 farming, 1  
 fattening market, 308  
 feeding practice, 217  
 freezing of, 338  
 grades of  
   dressed, 333  
   live, 332  
 housing, 54  
 killing, 308
- Poultry—*Continued*  
 losses in dressing, 330  
 marketing, live vs. dressed, 302  
 picking  
   dry, 311  
   machine, 314  
   scald, 312  
   semi-scald, 313  
   wax, 314  
 shipping live market, 303  
   breeding stock, 305  
 shrinkage in shipping alive, 305  
 skinning, 315  
 smoking, 341  
 trussing, 326  
 where produced, 1
- Poultry business  
 capital required, 5, 39, 40  
 development of, 6  
 financing a, 15  
 location for a, 11  
 organizing a, 17  
 personal qualifications for, 6  
 starting, 8
- Poultry farm  
 buildings on a, 20  
 climate, 12  
 expenses, 41  
 income, 42  
 location of a, 13  
 management factors, 43  
 plan of, 18  
 size of a, 11, 43  
 soil for a, 12  
 water supply, 19
- Poultry houses (see Houses)
- Poultry manure, 499
- Poultry products, consumption of in U. S. in 1941, 2
- Prepotency, definition of, 406
- Progeny  
 F<sub>1</sub> and F<sub>2</sub>, 413  
 selection on basis of, 377  
 testing males, 388
- Progression, definition of, 407
- Prolapse, 494
- Proso millet, 197
- Proteins  
 amino acids in, 192  
 composition of, 191  
 function of, 191

- Proteins—*Continued*  
 requirements,  
   for growth, 216  
   for egg production, 216
- Pullets  
 breeding from, 381  
 cost of production, 50  
 definition, 332  
 fall and winter hatched, 133  
 feeding, 233  
 housing, 233  
 proportion in flock, 134  
 range for, 134  
 replacements, 133  
 selection of, for production, 376  
 spring hatched, 132
- Pullorum disease, and incubator fumigation, 464  
 testing for, 467
- Pyridoxine, 244
- Range  
 for chicks, 134  
 for game birds, 568, 569  
 for turkeys, 516  
 importance of clean, 177  
 rotation, 179  
 sanitation on, 177  
 seed mixtures for, 135  
 shelters, 147
- Range vs. confinement of meat birds, 301
- Ration, selecting feeds for, 213
- Rations for  
 breeders, 217, 219, 220  
 broilers, 172  
 chickens, 171  
 ducks, 538, 543  
 egg production, 217, 219, 220  
 geese, 552  
 guinea fowl, 527  
 peafowl, 529  
 pheasants, 567  
 pigeons, 559  
 turkeys, 514, 521
- Rations  
 changes in dietary requirements for, 215
- Recessive characters, 413, 417
- Records  
 breeding, 398
- Red dog flour, 199
- Red mites (see Mites)
- Refrigeration  
 of dressed poultry, 338  
 of eggs, 293
- Regression in breeding, 407
- Relative humidity  
 in egg rooms, 267  
 in incubation, 115
- Replacement of flock, 133
- Reproductive cells  
 female, 408  
 male, 408
- Rhode Island Reds, 34
- Riboflavin, 250
- Rice, 198
- Roofing material, 73
- Roof types, 71
- Roosting  
 space per bird, 83  
 training chicks early, 175
- Rose chafer poisoning in chicks, 493
- Round worms, 476
- Roup  
 nutritional, 240  
 ocular, 442
- Rye, 198
- Salt (sodium chloride), 213
- Sanitation  
 brooder house, 159  
 incubator, 119  
 laying house, 424  
 range, 177
- Sardine oil, 206
- Scalding poultry, 312
- Scaly-leg mites, 483
- Seasonal production, 296
- Seasonal variation in egg prices, 291
- Secondaries, molting of, 369
- Secondary sex characters, 355
- Selection  
 of breed, 22  
 of breeders, 377  
 of females, 385  
 of males, 387
- Semi-scald picking, 313
- Separate hatcher, 104
- Separating sexes, 177
- Sex  
 chromosomes, 408

- Sex—*Continued*  
 inheritance, 409  
 linkage, 410  
 Sexed chickens for meat, 300  
 Sexes  
   differences in growth, 300  
 Sexing baby chicks,  
   by physical examination, 122  
   by rate of feathering, 412  
   by sex-linkage of down color, 411  
 Sex-linked  
   crosses, 411  
   inheritance, 410  
 Sexual maturity  
   inheritance of, 173  
 Shade  
   importance of, 136  
 Shank color in relation to egg production, 361  
 Shape of shank and egg production, 362  
 Shell, egg  
   color preference for, 279  
   formation, 107  
   membranes, 109, 265  
   oil treatment of, 292  
   porosity, 109, 279  
   texture, 270  
 Shelters  
   for laying hens, 149  
   range, 147  
 Shipping  
   breeding stock, 305  
   chicks, 295  
   eggs, 284, 287  
   hatching eggs, 289  
   live poultry, 303  
 Shipping crates  
   for eggs, 285, 287  
   hatching, 289  
   for live poultry, 303, 305  
   for turkeys, 303  
 Shrunken wheat, 198  
 Sibs, 377  
 Side sprigs, 380  
 Silage, grass, making of, 208  
 Silica, 211  
 Silkies, 36  
 Single comb  
   inheritance of, 412
- Size  
 and shape of eggs, 277  
 of poultry business, 43  
 of poultry farm, 11  
 Skim milk, 200  
 Skin color in culling, 359  
 Skin texture in culling, 375  
 Slack scalding, 313  
 Slip, definition of, 346  
 Slipped tendon, 492  
 Slipped wing, 379  
 Smoked poultry meat, 341  
 Sodium, 211  
 Sodium chloride (salt), 213  
 Sodium fluoride, 481  
 Soil  
   contaminated and disease, 177  
   drainage, 12  
   type for poultry, 12  
 Sorghum grains, 198  
 Sorting table for pedigree hatching, 126  
 Soybean oil meal, 203  
 Spermatozoa, 407  
 Split wing, 379  
 Split comb, 380  
 Sprouted oats, 206  
 Spurs, 379  
 Standard of perfection, 24  
 Stealing, prevention of, 157  
 Sterols, 207  
 Straw for litter, 160  
 Straw-loft houses, 72  
 Stubs, 380  
 Stud mating, 392  
 Sulphur, 211  
 Sunlight in poultry house as a source of vitamin D, 62  
 Supplements, feed and animal protein, 227  
   mineral, 229  
   vitamin, 227  
 Sultans, 36  
 Sussex, 31  
 Swans, 554
- Tail, carriage  
 squirrel, 379  
 wry, 379  
 Tankage, 203  
 Tape worms, 474

- Temperament in judging breeding value of poultry, 375  
 Temperature  
   brooding, 162  
   and egg size, 66  
   cold storage  
     for dressed poultry, 338  
     for eggs, 291  
   for holding eggs, 266  
   for incubation, 114  
   for laying houses, 64  
   for quick freezing, 338  
   of the fowl, 189  
 Test  
   stained antigen (rapid whole blood), 469  
   standard tube, 468  
   tuberculin, 470  
 Testing  
   hatching eggs, 118  
   incubator thermometers, 112  
   progeny, 388, 392  
   for pulorum disease, 467  
   for purity of characters, 417  
   for tuberculosis, 471  
 Tetrachlorethylene, 476  
 Thermometers, testing incubator, 112  
 Thiamin, 242  
 Thieves, chicken, guarding against, 157  
 Tick, fowl, 484  
 Time  
   to build poultry houses, 79  
   to cull, 349  
   to select breeders, 378  
 Tobacco, for round worm control, 476  
 Toulouse, 549  
 Transmission of characters, 409  
 Trap nest, 86  
 Trap-nesting, 383  
 Tremor, epidemic, 441  
 Trichomoniasis, in turkeys, 527  
 Tropical or northern mite, 484  
 Tuberculin test, 471  
 Tuberculosis, 470  
 Tubers and roots, 206  
 Tumors, 494  
 Turkeys  
   breeding methods, 504, 506  
   brooding, 515
- Turkeys—*Continued*  
 blankets, 508  
 cost of hatching eggs, 511  
 diseases of, 525  
 fattening, 523  
 feed consumption of, 523, 524  
 feeding breeders, 513  
 feeding young, 520  
 general management breeders, 509  
 grades, U. S. dressed, 525  
 growth of, 523  
 hatching, 511  
 marketing, 524  
 origin, 501  
 range for, 516, 517, 523  
 selecting for breeding, 503, 504  
 shrinkage in dressing, 525  
 varieties, 501  
 Turning  
   eggs in incubator, 117  
   eggs for hatching, 106  
 Turnips (see Vegetables)  
 Two room brooder house for chickens, 146  
 Type, selection by body, 370  
   by head, 371  
 Typhoid, fowl, 457  
 Ultraviolet light, use of, 210  
 Vaccination  
   for fowl pox, 453  
   for infectious laryngotracheitis, 462  
 Value of land for poultry, 12  
 Value  
   of poultry products in U. S. in 1942, 2  
   of poultry products used in New York City in 1942, 5  
 Varieties of poultry, 571  
 Variety defined, 26  
 Vegetables, use of, 206  
 Vent  
   and laying condition, 358  
   and pigmentation, 360  
 Vent gleet, 472  
 Ventilation  
   of brooder houses, 163  
   of chick boxes, 295

- Ventilation—*Continued*  
 essential features of, 54  
 flue, 54  
 of incubators, 118  
 laying house, 54  
 open front, 58  
 rafter, 59  
 systems of, 58  
 Ventilators for a poultry house, 56,  
 58, 59, 60, 61, 62, 63  
 Vices of poultry, 495  
 Vigor, selecting for, 378  
 Vitamin A, 239  
 and carotene, 242  
 in the egg, 242  
 requirements for  
 egg production, 216, 241  
 growth, 216, 241  
 hatchability, 216, 241  
 sources, 242  
 unit, 242  
 Vitamin B, 243  
 requirements for growth, 216, 243  
 sources, 243  
 unit, 243  
 Vitamin B<sub>6</sub>, 244  
 requirements for growth, 244  
 sources, 244  
 Vitamin C, 244  
 Vitamin D, 244  
 calculating requirements, 207  
 growth, 216, 248  
 hatchability, 216, 248  
 in the egg, 269  
 poult, 520, 521  
 requirements for egg production,  
 216, 248  
 sources, 249  
 units, 207  
 Vitamin E, 249  
 Vitamin G, 250  
 growth, 216, 250  
 hatchability, 216, 250  
 in the egg, 250, 513  
 poult, 520, 521  
 requirements for egg production,  
 216, 250  
 sources, 251  
 units, 250  
 Vitamin H, 251  
 Vitamin K, 251
- Vitamins  
 definition of, 238  
 history, 238  
 how used, 193  
 kinds, 239
- Water  
 in egg, 193  
 in fowl's body, 193  
 function of, 193  
 supply, 19, 229  
 systems, 90  
 Waterfowl, 531  
 Waterglass, *directions* for using, 294  
 Watering equipment  
 for chicks, 168, 176, 177  
 for laying hens, 89  
 Wattles, frozen, 490  
 Wax picking, 313  
 Wet mash feeding, 227  
 Wheat, 198  
 bran, 199  
 germ, 199  
 middlings, 199  
 mixed feed, 199  
 shrunken, 198  
 Whey, 201  
 White Holland, 502  
 White Leghorn, 28  
 White plumage  
 dominant, 417  
 recessive, 417  
 Wild turkey, 501  
 Windows  
 and sunlight, 76  
 and ventilation, 76  
 glass substitutes, 76  
 location of, 76  
 Wing  
 banding chicks, 129, 395  
 feathers, 379  
 molting of, 366  
 slipped, 379  
 split, 379  
 Wire covered floors in brooding, 180  
 Work units, 45, 46  
 Worms, 473  
 cecal, 478  
 eye, 479  
 gape, 477  
 gizzard, 479

- Worms—*Continued*  
 hair, 477  
 round, 476  
 tape, 475  
 Wyandottes, 34
- Xanthophyll  
 in eggs, 204  
 in feeds, 204, 270  
 in the fowl, 359  
 Xerophthalmia, 240
- Yarding  
 for chicks, 162  
 for ducks, 541
- Yarding—*Continued*  
 for laying hens, 19  
 for turkeys, 516  
 Yards, double, 19  
 Yeast, 208  
 Yolk  
 color, influence of feeds on, 204,  
 270  
 consumer preference for, 271  
 dark, 270  
 formation of, 108  
 structure of, 108, 264  
 vitelline membrane of, 109, 265
- Zygote, 408