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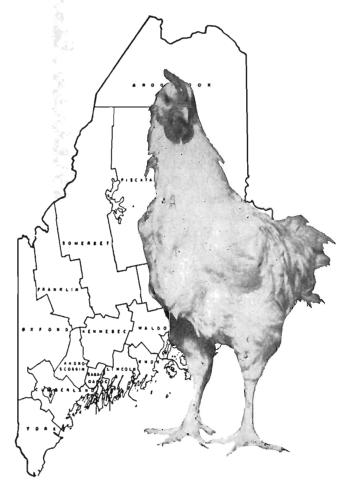
Sources of

MAINE POULTRY MEAT

and

MARKET OUTLETS

W. E. PULLEN and W. E. SAVAGE



MAINE AGRICULTURAL EXPERIMENT STATION
UNIVERSITY OF MAINE
ORONO, MAINE

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SUMMARY

The Maine broiler industry has increased in dollar value more than 50 times in the last 15 years. The growth of broiler production has boosted the poultry industry to the second most important source of income for Maine farmers, in fact, the top source in 1951.

Dressing plants led in the development of the industry, with 10 major plants by 1951 operating in a 50-mile-wide coastal belt extending from Bangor to Portland. In 1951, broilers accounted for 87 per cent of all poultry, fowl 12 per cent, turkeys 1 per cent and chicken 1 per cent.

Poultry production was concentrated in Waldo, Knox, and Kennebec Counties. Waldo County was the hub of broiler production supplying 40 per cent of the volume, with production also heavy in the adjoining counties of Kennebec and Knox.

Supplies of fowl were less concentrated with the largest volume originating in Knox County. The small but growing turkey industry was centered in Waldo County.

In 1951, a large share, 62 per cent of the poultry handled by the dressing plants, was supplied by contract growers. A shift is reported taking place from the contract system to more independent operations.

The market for Maine-produced poultry was confined to the Northeast with two-thirds of the sales made in New York State, primarily New York City. Massachusetts with 17 per cent, Maine 9 per cent, Connecticut 4 per cent and other states 2 per cent followed in that order. New York State was the major market for all classes of poultry—broilers, fowl, and turkey.

New York Dressed was the principal type of pack, comprising 95 per cent of all sales. Several plants marketed substantial quantities of eviscerated poultry.

Broilers weighing from 3 to 4 pounds were most popular accounting for three-fifths of all broiler sales.

Commission men received 81 per cent of all poultry, wholesalers another 10 per cent, with the balance to retailers, restaurants, consumers, and other outlets.

Poultry sales varied seasonally with sales in October nearly two times those in any one of the low months of February, March, and April. Sales were heaviest early in the week with 60 per cent made Monday through Wednesday.

BULLETIN 531

Sources of Maine Poultry Meat and Market Outlets

W. E. PULLEN AND W. E. SAVAGE¹

POULTRY MEAT INDUSTRY MUSHROOMING

No episode in the history of Maine's agriculture has been as spectacular as the rapid growth of the poultry meat industry. The leading role in this expansion has been played by broilers. Within the last 15 years, the number of broilers produced has increased more than 50-fold, from less than 400,000 birds in 1938 to more than 23 million in 1952. Gross farm income from broilers increased even more rapidly, from about \$200,000 in 1938 to nearly \$24,000,000 by 1952.² This expansion in commercial broiler production has made the poultry industry jump from its usual third-place position as a source of income for Maine farmers to the number one spot in 1951. Since 1951, it has run a close second to the potato industry.

Processors have led in the development of the industry and have likewise expanded to handle the increased output. They were among the first to capitalize on the opportunities for broiler production in the state, not only by investing heavily in processing facilities, but by developing market outlets and by financing individual producers. In 1951, 10 major dressing plants were operating in the State at various points in a 50-mile-wide coastal belt extending from Bangor in the central part of the State to Portland in the south. These plants are among the most modern in the country. Although primarily set up to serve the broiler industry, they also handle a large volume of fowl and increasing quantities of turkeys.

Despite the rapid growth of the industry it has achieved a topnotch record of high production efficiency and is established in an area favored with ideal climate, located reasonably close to large consuming markets in Massachusetts and New York.

GETTING THE FACTS

As always during rapid changes in an industry, there is a conspicuous absence of factual information about it. This is true of the broiler

¹ Assoc. Agr. Economist and Former Asst. Agr. Economist, Maine Agr. Exp. Station.

² A rise in the general level of prices during this period partly explains this increase.

industry. This study was conducted to help producers, handlers, and others by (1) determining the supply areas within the State for different types of poultry, and (2) determining the market outlets and the volume of shipments of each class of poultry meat to the various handlers.

Information was obtained from 10 commercial poultry dressing plants operating in Maine in 1951. Quantities of the different kinds of poultry purchased and sold daily during the calendar year 1951 were recorded from invoices kept by each dressing plant. These 10 plants handled about 95 per cent of the total volume marketed by commercial dressing plants during this period.

AREAS OF SUPPLY FOR DRESSING PLANTS

Where the Poultry is Produced

Despite the wide distribution of poultry production throughout most of the farming areas of the state, concentration varied widely. The highest concentration of all poultry occurred in Waldo and Knox and adjoining counties with Waldo County, truly the heart of the Maine poultry meat industry, accounting for more than one-third (Fig. 1).

Kennebec County was second to Waldo and Knox. The three counties—Waldo, Knox, and Kennebec—accounted for nearly two-thirds of all poultry received by the 10 dressing plants in 1951. Substantial supplies of poultry originated also in parts of the counties encircling this three-county area. Poultry production was widely scattered in other sections of the state.

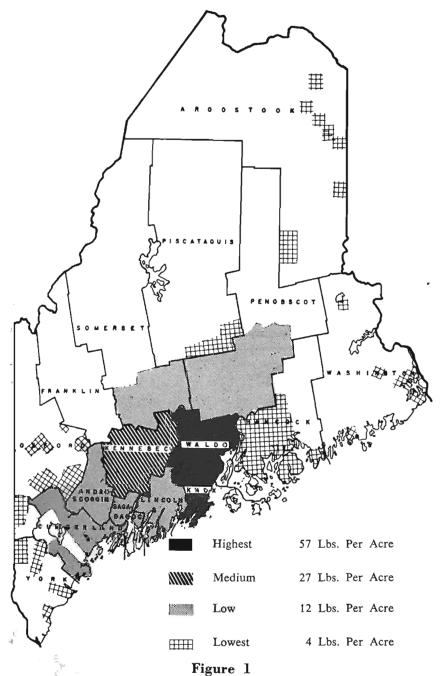
Although all classes of poultry were purchased by the 10 dressing plants, broilers predominated, accounting for 87 per cent of the total (Table 1). Fowl accounted for 12 per cent, with the balance of 1 per cent divided about equally between turkeys and chickens.

Table 1

IMPORTANCE OF VARIOUS CLASSES OF POULTRY
10 Maine Dressing Plants, 1951

	Sales		
	Pounds ¹	Per cent	
Class of Poultry			
Broilers	72,450,000	87.4	
Fowl	9,539,000	11.5	
Turkeys	542,000	.6	
Chickens	406,000	.5	
Total	82,937,000	100.0	

New York dressed weight or equivalent.



AREAS OF POULTRY PRODUCTION IN MAINE

Production varied greatly among the more than 250 towns supplying poultry to the dressing plants. A low of 42 pounds was supplied in the town of Surry in Hancock County, while Belfast has earned the title of poultry capital of the state of Maine by producing more than 7½ million pounds.

Waldo County Hub of Broiler Production

Just as the degree of concentration of all poultry varied widely throughout the state, the geographical pattern of broilers raised in Maine was uneven. Production was highly concentrated in some areas with comparatively little in other areas. As would be expected, since broilers accounted for nearly 90 per cent of all the poultry handled by the 10 dressing plants, the pattern of concentration was practically the same as that described for all poultry.

Waldo County was the hub of broiler production, supplying 40 per cent of the total volume handled by the dressing plants in 1951 (Fig. 2). This represented nearly 28 million pounds, one-fourth from the town of Belfast alone. Broiler production was especially heavy also in Kennebec and Knox Counties. From this three-county area the dressing plants obtained nearly two-thirds of their supply of broilers or about 44 million pounds.

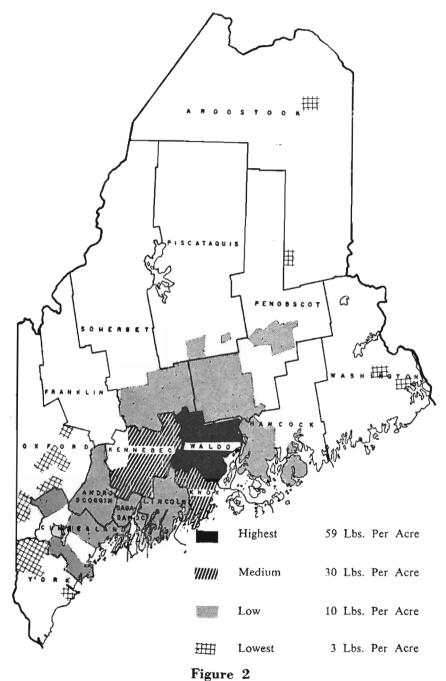
Remaining supplies of broilers came largely from adjoining sections of the counties surrounding Waldo, Knox, and Kennebec counties. Only scattered production existed in the other agricultural areas of the state.

Fowl Rank Second to Broilers

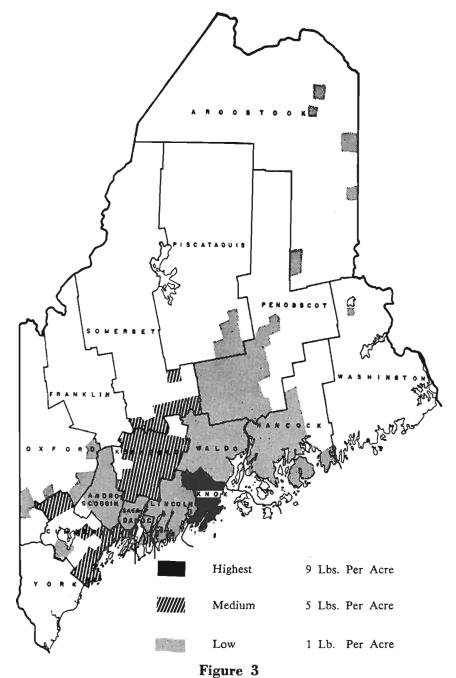
Substantial quantities of fowl were handled by the dressing plants despite their primary interest in handling broilers. This represented a real service to the egg industry in providing a market outlet for nearly 9 million pounds of fowl in 1951.

Supplies of fowl were more evenly distributed over the various agricultural sections of the state than were other classes of poultry. The highest concentration was in Knox County with parts of Kennebec and Cumberland Counties ranking second and third (Fig. 3). About 4.3 million pounds, or 50 per cent of all fowl, came from these areas.

A few widely scattered outlying areas that produced only very small quantities of fowl were also served by one or more of the 10 dressing plants (Appendix Table 7). It is questionable whether such distant areas as Stockholm and Perham in Northern Aroostook County and Wells in York County can be economically served by any one of the 10 dressing plants. In some cases circumstances may have justified handling the small quantities of poultry produced in these areas.



AREAS OF BROILER PRODUCTION IN MAINE



AREAS OF FOWL PRODUCTION IN MAINE

Turkey Production Small But Growing

Turkey production, although small, has increased sharply from about 50,000 birds in 1948 to over 200,000 in 1952.

By far the largest number of turkeys was raised in the central part of Waldo County, with somewhat less intensive production existing in nearby sections of eastern Kennebec County and southeastern Somerset County (Fig. 4). More than 90 per cent of the turkeys handled by the dressing plants came from these areas. The remaining small supplies of turkeys came from a few producers scattered among several counties from Cumberland in southern Maine to Aroostook in the north.

Turkey production, though still comparatively small in Maine, continues to expand. An increasing number of Aroostook potato growers have added a turkey enterprise because home grown grain is available in the potato rotation and because of the ability of turkeys to utilize some roughage. Continued growth can be expected in this county and in other sections of Maine as well. Maine as a whole has a climate favorable to turkey production and is situated near large markets.

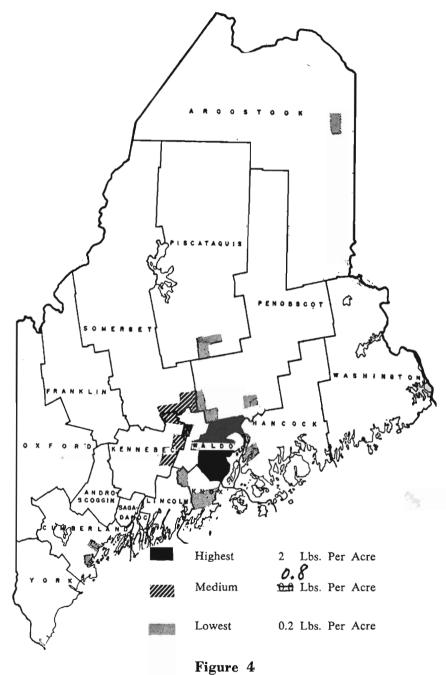
Contract Growers Supply Most Poultry

An outstanding feature of the broiler industry has been the close integration between the producer and the processor. Through a contract production arrangement the grower,³ although supplying most of the fixed capital, is virtually an employee of the dressing plant. The dressing plants make most of the management decisions, bear the risks of ownership, and pay the variable costs in growing and marketing the broilers.

The grower, who needs financing, desires a fixed income, and wishes to avoid the responsibilities of owning the birds welcomes this arrangement. This system does tend to stifle incentive, however, in improving quality, since each grower who meets the minimum requirements of the dressing plant, is paid at the same rate. The independent grower, on the other hand, has an incentive to strive to improve the quality of his poultry since any increase in return will go to him. At the present time there is a reported shift away from the contract system among growers who like the independence and the possibility of greater returns.

In 1951 a large share of the poultry handled by the dressing plants was supplied by contract growers (Table 2). This amounted to 62 per cent of the broilers, and 68 per cent of the turkeys.

³ The common contract grower production system is an arrangement whereby the dressing plant pays the grower one cent a bird per week for his labor (or some similar payment plan) and furnishes all feed and supplies incident to growing the birds to marketable age. The grower supplies land, buildings, and all equipment.



AREAS OF TURKEY PRODUCTION IN MAINE

		(Classes of Poul	try	
Type of Supplier	Broilers	Fowl	Turkey	Chickens	All Classes
	Per cent	Per cent	Per cent	Per cent	Per cent
Contract grower	62	1	68	_	54
Independent grower	22	38	22	85	24
Live Poultry dealer	11	55	10	14	17
Other dressing plants	5	6	*	1	5
€old Storage	_	•	_	_	*
Wholesale	*	•	•	_	•

Table 2 DORTANCE OF VARIOUS TYPES OF SUPPLIERS OF POULTRY

Total

Independent growers supplied 22 per cent of the broilers and turkeys. The remaining supplies were purchased in small quantities from live poultry dealers, other dressing plants, and wholesalers.

100

100

100

100

It is evident that dressing plants deal directly with poultry producers for nearly all their supplies of poultry grown strictly for meat purposes. Most of the fowl on the other hand, was purchased from buyers of live poultry who obtained fowl from egg producers. Only one per cent of the fowl was purchased from contract growers.

MARKETS FOR MAINE POULTRY

Northeast Is Biggest Market Area

100

The destination of Maine poultry among the various states is shown in Figure 5. Market outlets were confined almost entirely to eight northeastern states. New York State received more than 52 million pounds or two-thirds of all Maine Poultry. Massachusetts received 17 per cent, Maine 9 per cent, and Connecticut 4 per cent. Shipments to the other four northeastern states, and to Iowa and Illinois accounted for two per cent.4 Only one shipment to Illinois and one to Iowa were made during the year.

Out-of-state buyers were concentrated in the large cities. The primary markets for poultry were New York City in New York State, Boston and Worcester in Massachusetts, and Hartford in Connecticut. It should be pointed out that the market destination reported represents the location of the first receiver and does not necessarily reveal the final market.

[·] Less than .5%.

⁴ Other four northeast states are Delaware, New Hampshire, New Jersey, and Rhode Island.

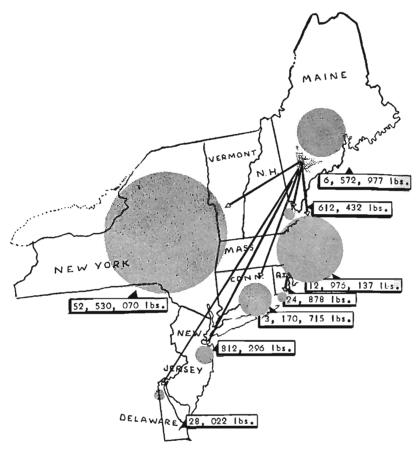


Figure 5

DESTINATION BY STATES OF MAINE POULTRY

10 Poultry Dressing Plants, 1951

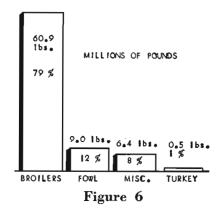
Markets for Maine produced poultry are concentrated in the populous areas of the northeast. This area is more densely populated than any other in the United States. The potential market is great and will readily absorb tremendous quantities of poultry meat. Those who can excel in the production and marketing of the quality product in the form consumers want will find a ready market.

New York Biggest Market

Poultry sales were segregated into classes (Fig. 6). Seventy-nine per cent of all poultry were broilers, 12 per cent fowl, and 1 per cent

turkey. The broiler class comprised birds weighing from 2½ pounds to about 6 pounds. The miscellaneous class included birds classified as chickens, pullets, and off-quality birds.

The distribution of broilers in the northeast was much the same as that for all poultry. This was to be expected inasmuch as broilers constituted about 80 per cent of all poultry sales. Seventy-two per cent of all broilers went to receivers in New York State, 15 per cent to Massachusetts, 7 per cent to Maine, 4 per cent to Connecticut and less than 1 per



CLASSES OF POULTRY SOLD

10 Poultry Dressing Plants, 1951

cent to each of the other states (Table 3 and Fig. 5).

Table 3

MARKET AREA FOR BROILERS, FOWL, AND TURKEYS
10 Maine Dressing Plants, 1951

Contract de la contract	Proportion of	each class sold i	in various states
State receiving poultry	Broilers	Fowl	Turkeys
	Per cent	Per cent	Per cent
New York	72	46	18
Massachusetts	15	25	74
Maine	7	23	4
Connecticut	4	6	3
New Jersey	1	*	
New Hampshire	1	*	
Delaware	_	_	_
Rhode Island	*	*	1
Iowa	*	_	_
Illinois	*	_	_
Total	100	100	100

^{*} Less than .1 per cent.

Practically all of the nearly 9 million pounds of fowl went to four northeastern states. As was the case with broilers, New York State was the leading destination of fowl with 46 per cent. Maine and Massachusetts were about equally important markets, each receiving about one-fourth of the fowl shipments. Connecticut received about six per cent or a half million pounds.

The volume of turkey meat sold was slightly under 500,000 pounds of which nearly three-fourths went to markets in Massachusetts. New York State received 18 per cent, and small quantities went to local Maine markets, Connecticut, and Rhode Island.

Most Poultry Sold New York Dressed

Despite an ever-increasing demand by consumers for ready-to-cook foods little poultry was sold in that form in 1951. Ninety-five per cent of all the poultry was shipped New York Dressed with only the blood and feathers removed (Fig. 7). Eviscerated (ready-to-cook) poultry

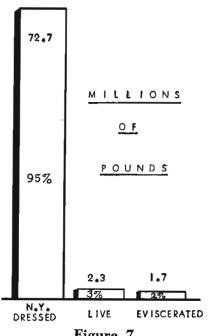


Figure 7
TYPE OF PACK WHICH
POULTRY SOLD

10 Poultry Dressing Plants, 1951

made up but two per cent or 1.7 million pounds. Since 1951, however, there has been substantial trend away from New York Dressed toward eviscerated poultry. Most of the dressing plants now have or plan to install facilities for eviscerating.

An additional 2½ million pounds of poultry or three per cent was sold as live poultry, an amount not likely to change much in the immediate future. Live poultry sales met a small but steady demand by the Kosher trade.

Practically all of the poultry was sold New York Dressed. This accounted for 97 per cent of the broilers and 99 per cent of the fowl and turkeys (Table 4). Eviscerated packs accounted for the balance or three per cent of the broiler sales and for one per cent or less of fowl and turkeys.

About one-fourth of the poultry classified as "other," primarily pullets and chickens, was shipped live.

The types of packs used in shipping Maine poultry to various states are shown in Table 5. New York Dressed predominated in all states but New Jersey and Rhode Island which received 93 and 88 per cent of their shipments as eviscerated birds. However, these figures have little

il national state of the state

Table 4

IMPORTANCE OF TYPE OF PACK FOR THE VARIOUS CLASSES OF POULTRY

10 Maine Dressing Plants, 1951

	P	roportion of eacl	h class sold	as:
Class of poultry	New York Dressed	Eviscerated	Live	Total
Broilers	97	3	*	100
Fowl	99	*	1	100
Furkeys	99	1	*	100
Other	74	*	26	100

[·] Less than .1 per cent.

significance since only small quantities of poultry went to these two states. From the standpoint of volume, more eviscerated poultry was sold in New York and Maine although it constituted only two and five per cent respectively of shipments to these states. Nearly all live poultry was shipped to New York. This represented only three per cent of the total sales in this market.

Table 5

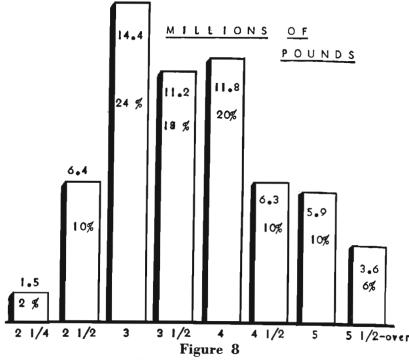
TYPE OF PACK RECEIVED BY EACH STATE 10 Maine Dressing Plants, 1951

	AM Providence	Per cent that shipments to each state were					
State	All Poultry	N. Y. Dressed	Ēvis.	Live	Total		
	(1000 lbs.)	(per cent)	(per cent)	(per cent)			
New York	52,530	95	2	3	100		
Massachusetts	12,976	100	_	*	100		
Maine	6,573	94	5	1	100		
Connecticut	3,171	100	•	_	100		
New Jersey	815	7	93	-	100		
New Hampshire	612	100	•		100		
Delaware	28	100	_	_	100		
Rhode Island	25	12	88	_	100		
lowa	23	100			100		
Illinois	21	100	_	_	100		
Total or Average	76,774	95	3	2	100		

[·] Less than .5%.

Broiler from 3 to 4 lbs. Most Popular

The 61 million pounds of broilers handled by the 10 dressing plants were grouped by weights at which the birds were sold. The most popular weights were the 3, 3½, and 4-pound broilers which accounted for



SALES OF BROILERS OF VARIOUS WEIGHTS
10 Poultry Dressing Plants, 1951

about three-fifths of all broilers (Fig. 8). Twenty-six per cent were marketed at weights of 4½ pounds and over; 12 per cent at weights of less than 3 pounds. Maine-produced broilers were grown and marketed at heavier weights than broilers in the Delmarva area reported by Smith.⁵ Smith did discover, however, that the heavier broilers were sold in the northeastern markets of New York and Massachusetts, the principal markets for Maine broilers. It was not possible to detect any pattern of distribution of broilers of different weights in the northeast market area.

Most Sales to Commission Men

Commission men were the outlet for 62 million pounds or 81 per cent of all poultry, whereas wholesalers received about 10 per cent. The volume of poultry handled by first receivers is shown in Figure 9. Sales to retail units and consumers, considered as "direct sales," accounted for about 4 million pounds or five per cent of the total. A small volume

⁵ Harold D. Smith "Market Area in Delmarva Broilers" University of Maryland, Agricultural Experiment Station, Bulletin A-64, August 1951, pp. 12.

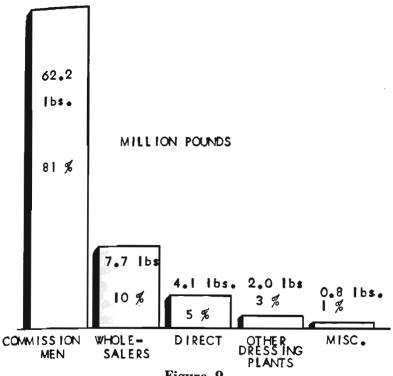


Figure 9 FIRST RECEIVERS OF POULTRY

10 Poultry Dressing Plants, 1951

of poultry went to other dressing plants and to a miscellaneous group of receivers which included cold storage plants, canneries and fertilizer plants.

Direct sales were largely to chain stores and other retail units, and

Table 6

MARKET OUTLETS FOR POULTRY SOLD DIRECT
10 Maine Dressing Plants, 1951

	Sales
Pounds ¹	Per cent
2,688,930	66
1,147,666	28
167,848	4
89,034	2
4,093,478	100
	Pounds ¹ 2,688,930 1,147,666 167,848 89,034

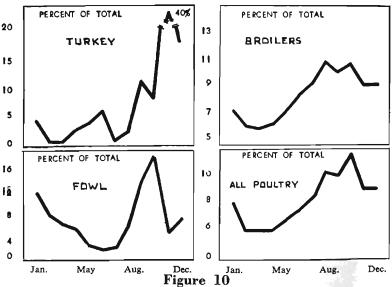
¹ New York dressed weight or equivalent.

accounted for 66 and 28 per cent respectively (Table 6). Small quantities were sold to consumers, restaurants and institutions. Whereas commission men and wholesalers were the predominant first receivers for poultry shipped to out-of-state markets, most of the poultry sold direct was to local Maine markets.

No important difference in the type of pack handled by the various receivers was noted or expected since 95 per cent of all poultry was sold New York Dressed. However, nearly all eviscerated poultry was sold to retail units.

Poultry Meat Sales Seasonal

Sales of poultry meat varied from month to month throughout the year (Fig. 10). For all poultry meat, sales were the lowest from February to April. In each of these months sales were approximately six per cent of the total amount of poultry meat sold during the year. However, in May sales commenced to increase and continued upward each month, except for September, to the peak in October. Sales in October were about twice those in any one of the low months of February, March and April. The volume was about 9 million pounds in October in contrast to almost 4½ million pounds during the earlier period. About 60 per cent of poultry sales occurred during the 6-month period of July to December.



SEASONAL VARIATION ON SALES OF VARIOUS CLASSES OF POULTRY

10 Poultry Dressing Plants, 1951

Such wide variations in the volume of poultry handled by dressing plants severely reduced operational efficiency. Facilities adequate to handle the volume of poultry dressed in October are far in excess of those needed in February. This means higher costs of operation. Evening out the flow of poultry through dressing plants would result in a more efficient operation. This can be accomplished only if the market for poultry is expanded during these low volume months.

The seasonal pattern of sales of broiler meat was closely comparable to that for all poultry (Fig. 10). Sales were low in February, March, and April, and high in August and October. Sales in each of the low months were 6 per cent of the total and in each of the high

months 11 per cent.

The quantities of fowl handled monthly varied even more, from a low of 4 per cent each month from May to July to nearly 18 per cent in October (Fig. 10). This seasonal pattern is determined by practices employed in the egg industry. Most farmers follow the practice of starting day-old chicks during the spring months of March, April, and May. These reach laying age from August to September. At this time the old layers customarily are sold to make room for the pullets as they are taken off the summer range.

Turkey sales, although small, were more seasonal than any other class of poultry. Sales were negligible from January to August but thereafter increased rapidly and reached a peak in November. In this month alone 40 per cent of all turkey sales occurred. Combined sales in October, November, and December accounted for more than two-thirds of all turkeys sold in 1951. Heavy holiday demand for turkeys largely explains the seasonal pattern of turkey sales.

There were changes in the relative importance of the various classes of poultry sold during the year. Broilers were by far the most important class of poultry handled varying from a low of about 70 per cent of all sales in January to a high of about 85 per cent in June and July. Sale of fowl was relatively least important during June and July and most important in October. Negligible quantities of turkeys were handled except for the months of November and December. The balance of other poultry constituted about the same share of sales in each month.

Markets Similar in Seasonal Demand

Further evidence concerning the seasonal character of poultry meat sales may be seen by noting the volume of sales each month to various markets. Some, but not a striking difference, was observed in the seasonal pattern of sales among markets (Fig. 11). In each of the markets the least poultry was sold during March and April and the most from August to November.

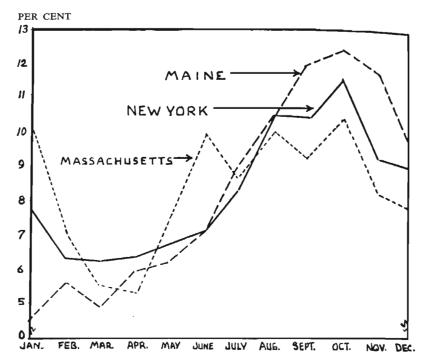


Figure 11
MONTHLY SALES AS PER CENT OF TOTAL SALES
TO CERTAIN MARKETS

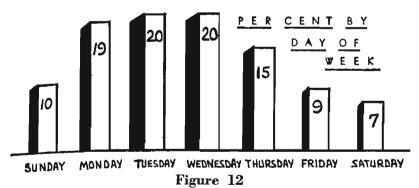
10 Poultry Dressing Plants in Maine, 1951

The largest seasonal variation in poultry sold was in Maine markets, with only about 5 per cent of the annual sales in March, compared with 12.5 per cent in October. Shipments to the New York and Massachusetts markets were somewhat less variable.

Most Poultry Sold Early in Week

Shipments of poultry from the dressing plants to the various city markets were heaviest early in the week (Fig. 12). About 60 per cent of the weekly sales were made from Monday through Wednesday. Sales were lightest on Friday and Saturday. Sales on Sunday represented poultry shipped in the afternoon or evening of that day so as to arrive at the opening of the market on Monday morning.

The distribution of sales during the days of the week was very similar for each class of poultry, that is broilers, fowl, and so on, as well as in the various seasons of the year.



SALES OF POULTRY BY DAY OF WEEK
10 Poultry Dressing Plants in Maine, 1951

APPENDIX

 $\begin{array}{c} \text{Table 7} \\ \text{QUANTITIES OF VARIOUS CLASSES OF POULTRY PRODUCED BY} \\ \text{TOWNS AND COUNTIES} \end{array}$

10 Maine Dressing Plants, 1951

Counties and Towns	Broilers	Fowl	Turkeys	Chickens	Total
·			Pounds1		
Androscoggin	2,332,188	475,757			2,807,945
Auburn	598,824	31,499			630.323
Durham	2,127	4,775			6,902
Greene	276,291	668			276,959
Leeds	617,029	1,674 255,561			1.674
Lewiston Lisbon Falls	334,245	33,290			872,590 367.535
Livermore Falls	307,588	112,506			420,094
Mechanic Falls	49,806				49,806
Poland	14,686 83	54			14.686
Sabattus Turner	91,320	33,888			137 125,208
Wales	40,189	1,842			42,031
Aroostook	40,832	4,454	7,218		52,504
Benedicta	2,250	1,064			3,314
Bridgewater		74 167			74
Houlton Mars Hill		356			167 356
Perham		156			156
Presque Isle			7,218		7,218
Sherman Mills		557 1,218			557
Sherman Station Stockholm		862			1,218
Washburn	38,582				862 38,582
Cumberland	3,563,190	1,646,725	9,345		5,219,260
Brunswick	1,086,299	71,897			1,158,196
Bridgton	14,649	400	4 660		15,049
Cumberland Center Cliff Isle	391,734	317,024 184	4,668		713,426 184
Freeport	169,238	34,840			204,078
Gloucester	32,650				32,650
Gorham	83,485	34,342			117,827
Gray Harrison	506,855 56,254	711,850			1,218,705 56,254
Harpswell	34	1,859			1,893
Otisfield	47,166	256			47,422
Portland	643,487	179,942	4,677		827,961
Pownal Raymond	7,138	47			7,138
Scarboro	116,717	43,233			159,950
Standish	112,844	247,589			360,433
Yarmouth	294,640	3,262			297,902
Hancock	1,672,927	147,936	14,084	310	1,835,257
Amherst Bar Harbor	_	63 280			63 280
Birch Harbor		240		55	295
Blue Hill	255,472				255,472
Brooksville	56,602	918			57,520
Bucksport Castine	189,394 235,062	29,445 985		255	219,094 236,047
Deer Isle	233,002	749			749
Ellsworth	487,156	42,095			529,251
Franklin	16,442	2 402			16,442
Hancock Hulls Cove		2,493 979			2,49 97
Lamoine	140,687			_	140.68
Mt. Desert	620	16,333			16,953
Orland		1,899			1,899
Otis	92 242	3,002			3,002 83,217
Penobscot	82,242	975			83,21

¹ New York dressed weight or equivalent.

Table 7—Continued

Counties and Towns	Broilers	Fowl	Turkeys	Chickens	Total
,			Pounds		
Hancock (Cont.) Salisbury Cove Sandy Point Sargentville Sedgwick S. W. Harbor Storington Surry Waltham	28,257 173,931 7,062	450 618 ———————————————————————————————————	14,084		450 14,702 28,257 173,931 52,822 163 42 185 262
Winter Harbor		262			
Kennebec Albion Augusta Belgrade Benton China Clinton Gardiner Hallowell Litchfield Monmouth Mt. Vernon Oakland Pittston Sidney Waterville Wayne Weeks Mills Winslow	9,213,969 276,775 211,753 77,926 119,426 3,312,915 788,178 1,139,536 188,813 509,997 329,851 235,811 42,042 256,783 822,813 52,035 43,067 202,759 603,489	884,991 41,284 6,360 ————————————————————————————————————	73,216 48,755 ———————————————————————————————————	15,906 13,214 ————————————————————————————————————	10,188,082 366,814 231,327 77,926 119,426 3,326,886 806,550 1,273,435 188,813 1,009,627 329,882 4,586 235,811 42,042 296,310 943,552 52,035 43,820 204,033 635,207
Winthrop Knox Appleton Burkettville Camden Cushing Friendship Hope Owls Head Rockland Rockport St. George Thomaston Union	6,789,601 385,556 22,569 321,501 24,271 45,174 124,668 7,737 1,577,675 162,650 504,356 2,312,887 857,273	1,882,171 37,864 1,706 63,640 1,081 9,724 60,563 61 1,189,815 8,531 2,041 21,413 221,700 204,826	3,254	65,872 214 1,540 3,056 45,311 ———————————————————————————————————	8,740,898 423,634 24,275 386,681 25,352 54,898 188,287 7,798 2,813,225 171,181 525,769 2,534,918 1,077,853
Warren Washington	443,284	59,207	2,496 ——	15,420	1,077,853 504,987 6,196,507
Alna Boothbay Brewer Bristol Damariscotta Edgecomb Jefferson Medomac Newcastle Nobleboro Pemaquid Round Pond Waldoboro Walpole Whitefield Wiscasset	3,184,703 102,659 4,810 6,062 99,562 136,855 154,664 21,684 2,560 65,967 32,238 63,928 1,637,164 788 43,286 812,473	551,804 1,744 86 11,849 3,609 44,835 10,639 1,891 3,886 3,446 8,387 6,828 432,513 3,001 6,507 12,583			6,196,307 104,403 4,896 6,062 111,411 140,464 199,499 32,326 4,451 69,853 35,684 72,315 6,828 2,069,677 3,789 49,793 825,056
Oxford Bethel Brownfield Buckfield Canton Fryeburg	845,716 163,426 770 ——————————————————————————————————	71,514 735 56 12,775 190			917,230 163,426 1,505 56 12,775 119,364

Table 7—Continued

Counties and Towns	Broilers	Fowl	Turkeys	Chickens	Total
			Pounds		
Oxford (Cont.)					
Hebron	80,361	568			80,929
Mexico	39,135 151,893				39,135
Norway Oxford	71,421	15,037			151,893
Waterford	69,422	6,196			86,458 75,618
Welchville	83,120	35,957			119,077
Woodstock	66,994				66,994
Penobscot	7,591,117	461,292	8,385	58,322	8,119,116
Alton	162 968	680 210,712		426	1.106
Bangor Bradford	162,968 1,093,232	3,739		12,711 361	386,413 1,097,332
Brewer		2,200		1,158	3,358
Burlington	116,428				116,428
Carmel	533,091 411,421	1,593 3,590		645	534,684
Charleston Corinna	143,527	1,330	_	611	415,656
Costigan		417			145,468 417
Corinth	1,089,029 52,242	27,141			1,116,170
Dexter	52,242 416,877	36,170 557	2,954	3,713	92.125
Dixmont East Corinth	275,270	2,154	2,934	143 17,601	420.531
Eddington	81,042	33,936		731	295,025 115,709
Enfield	119,100				119.100
Etna	571,223	940		400	5 /2,163
Exeter Garland	206 76,446	416 821		488	1,110
Greenbush	23,669	867			77,267 24,546
Hampden	220,187	17,312	. —	91	24,546 237,590
Hermon	131,048	12,007			143,055
Holden Howland	63,379 130,991	2,779 166			66.158
Hudson	405.145	1,458		120	131,157 406,723
Kenduskeag	405,145 61,543	24,301 200		57	85.901
LaGrange		200		1,120	1,320
Lee Levant	41,500 205,535	52,791		14,991	1,320 41,500 273,317
Lincoln	205,535 245,221	2,187		1,433	248,841
Newburg	88.261	8,797			97,058
Newport	411,543 3,257	981 7,044	5,409	211	417,933
Orono Orrington	128,195	1,118		291	10,512 129,604
Patten		718			718
Plymouth	279,501	120			279,621
Prentiss Stetson		472 70			472 70
Stillwater	9,667	115			9,782
Veazie	373	1,393		1,420	3,186
Piscataquis	1,163,642	41,474	8,906	6,084	1,220,106
Atkinson		287	_		287
Brownville Dover & Dover-Foxcroft	254,895	188 27,281	7,460	6,084	188 295,720
Milo	154,164	12,821	7,400	0,084	166,985
Sangerville	723,011				723,011
Sebec Station	21 572	897	1,446		2,343 31,572
Guilford	31,572	_			31,572
Sagadahoc	1,988,847	144,970		16,591	2,151,408
Bath Bowdoin	18,642	2,387 18,240			21,029 18,240
Bowdoinham	490,614	74,158	_	61,591	581,363
Georgetown	3.148				3,148
Richmond	390,495	16,437			406,932
Topsham Woolwich	390,495 658,308 427,640	34,748			693,056 427,640
Somerset	4,771,692	892,955	21,132	6,908	5,692,687
Anson					35,819
Athens	35,819 30,062				30,062
Cambridge	12,163				12,163

Table 7—Concluded

Counties and Towns	Broilers	Fowl	Turkeys	Chickens	Total
10		_	Pounds		
Somerset (Cont.)	10.924				10,834
Canaan	10,834 17,255				17,255
Cornville	390,899			154	391,053
Detroit	250,991	13,248			264,239
Fairfield	52,455	13,240			52,455
Harmony	14,109	160			14,269
Hartland	470,432				470,432
Madison		4,446			4,446
Mercer Norridgewock	167,520				167,520
Palmyra	247	1,267			1,514
Pittsfield	1,620,505	752,045	21,132	6,699	2,400,381
Skowhegan	1,698,401	121,789		55	1,820,245
£	27,569,168	1,046,356	387,008	235,951	29,238,483
Waldo	7,250,152	141,310	113,919	21,907	7,527,288
Belfast	259,779	88,727	,	911	349,417
Belmont	2,436,598	41,613	121,931	12,678	2,612,820
Brooks Burnham	222,283	7,838		2,565	232,686
Frankfort	805,211	82,967		604	888,782
Freedom	334,470	6,722			341,192
Islesboro	10,723	257			10,980
Jackson	813,647			26	813,673
Knox	1,081,260	195	_	72	1,081,455
Liberty	1,159,639	11,278	20.025	10.514	1,170,989
Lincolnville	1,471,284	98,168	20,025	48,514	1,637,991
Monroe	1,514,947 933,985	82,730 4,969	5,108	2,720	1,605,505 938,954
Montville	714,188	111,007	1,818	40,534	867,547
Morrill	17,540	387	1,010		17,927
Northport Palermo	61,324	7,356			68,680
Prospect	863,017	-,,,,,,			863,017
Searsmont	289,301	5,029	6,701		301,031
Searsport	1,503,366	3,054	52,607		1,559,027
Stockton Springs	601,544	6,464		87	608,095
Swanville	1,415,185	374	17,141		1,432,700
Thorndike	690,732	1,162		11,670	703,564
Troy	13,251 664,315	2,565	20.440	4.700	15,816
Unity	1,070,784	164,041 66	30,419	4,708	863,483 1,070,850
Waldo	1,370,643	178,077	17,339	88,955	1,655,014
Winterport	1,570,043	175,077	17,557	66,733	1,055,014
Vashington	47,710	63,722			111,432
Coopers Mills	30,735				30,735
Dennysville	4,465	26,723			31,188
Lubec	7,758	31,865			39,623
Pembroke	1,396	220			1,616
Perry		4,236			4,236
Topsfield	3,356	678			678
Tracy	3,330				3,356
'ork	554,009	512,515			1,066,517
Biddeford	498,467	508,133	48		1,006,648
Effigham (Falls)	14,758	-			14,758
I_imington	5,875				5,875
Parsonsfield	9,556				9,556
Waterboro	25,353	4 202	_		25,353
Wells		4,382			4,382