

wife, bluefish, and other migratory fish, concerning which much important information is yet to be obtained.

The spring mackerel fleet have been actively engaged in making ready for the work of the season. The first vessel to start, the schooner *Mayflower*, sailed from Gloucester on March 11, and was followed during the month by the steamer *Novelty* and 38 other mackerel vessels hailing from Maine and Massachusetts ports. Up to the close of the month no mackerel have been caught or seen.

A few vessels from Gloucester will go to Flemish Cap for codfish, but probably none will visit the Greenland coast this year. The Gloucester schooners *Davy Crockett* and *Arthur D. Story* sailed on halibut trips to the coast of Iceland on March 23, followed, two days later, by the *Annie M. Jordan*. The schooner *Concord* will soon sail for the same locality. No other American fishing vessels are expected to visit Iceland during the season.

*Fish landed at Gloucester by the fishing fleet in March, 1887.*

Fishing grounds.	Number of fares.	Codfish.	Halibut.	Frozen herring.	Pickled herring.
		Pounds.	Pounds.	Number.	Barrels.
<b>By Gloucester vessels:</b>					
George's Bank .....	121	8, 178, 000	177, 900	.....	.....
Grand Bank .....	13	6, 000	312, 400	.....	.....
Off Sable Island .....	18	.....	556, 709	.....	.....
Bay of Fundy .....	4	.....	.....	861, 000	.....
Fortune Bay .....	2	.....	.....	725, 000	160
Ipswich Bay .....	21	400, 000	.....	.....	.....
Off New England shore .....	53	178, 400	.....	.....	.....
Off New England shore (by small boats) .....	.....	6, 000	.....	.....	.....
<b>Total .....</b>	<b>227</b>	<b>8, 761, 400</b>	<b>1, 047, 000</b>	<b>1, 586, 000</b>	<b>180</b>
<b>By vessels belonging at other ports:*</b>					
Ipswich Bay .....	7	77, 000	.....	.....	.....
Off New England shore .....	3	0, 900	.....	.....	.....
Grand Bank .....	1	.....	25, 000	.....	.....
Bay of Fundy .....	1	.....	.....	140, 000	.....
<b>Total .....</b>	<b>12</b>	<b>83, 900</b>	<b>25, 000</b>	<b>140, 000</b>	<b>.....</b>
<b>Total in March, 1887 .....</b>	<b>280</b>	<b>8, 845, 300</b>	<b>1, 072, 000</b>	<b>1, 726, 000</b>	<b>180</b>
<b>Total in March, 1886 .....</b>	<b>190</b>	<b>4, 568, 834</b>	<b>1, 106, 100</b>	<b>1, 860, 000</b>	<b>.....</b>

NOTE.—The miscellaneous receipts from other ports during the month consisted of 1,000 boxes smoked herring, 1,650 quintals hake, 100 quintals cod, 25 quintals haddock, 25 quintals cusk, and 21 barrels fish-oil from Maine; and 1,675 barrels fish-oil from Tiverton, R. I.

\* These fish were landed by the following schooners: *Venus*, of Eastport, Me.; *A. C. Newhall*, of New Castle, N. H.; *Franklin S. Sohenok* and *Mary S. Hontvet*, of Portsmouth, N. H.; *E. A. Williams*, of Boston, Mass.; *Mary E. Story*, of Swampscott, Mass.; and *Clara R. Grimes*, *Estelle S. Nunan*, and *Edith Conley*, of Rockport, Mass.

**25.—NOTES ON THE FROZEN-HERRING TRADE WITH NEWFOUNDLAND AND THE BAY OF FUNDY DURING THE WINTER OF 1886-'87.**

**By W. A. WILCOX.**

The frozen-herring business of the past winter closed early in April. The Newfoundland trade, in which twenty-seven vessels from Gloucester were engaged, was quite successful. The first one in search of frozen herring sailed on November 20, the last on January 21. The first

arrival at the home port with frozen fish was on January 7, and the last on March 8. Herring of large size and good quality were found very abundant both at Fortune and Placentia bays. Twenty-six cargoes were secured at the former and two at the latter place, while one vessel in search of pickled herring sailed as early as September 17, securing her cargo at Bay of Islands. Unfortunately one schooner was caught in the ice at one of the harbors of Placentia Bay before taking any herring on board, and still remains ice-bound. All of the others secured full cargoes, and three made two trips apiece.\* All arrived home in safety and found a ready market for their herring at reasonable and satisfactory prices, selling mostly at \$1 per hundred, count. The bulk of the receipts was used for bait. A few cargoes found sale at New York and Philadelphia, these being chiefly used for food.

The following table gives the detailed account of the herring business with Newfoundland for the winter of 1886-87 by Gloucester vessels, these being, as far as known, the only American vessels employed in the trade. In addition to these, at least two Provincial vessels, namely, the Anna Robinson and the Festina Lenta, carried cargoes of frozen herring from Newfoundland to New York.

*Quantity of frozen and pickled herring brought from Newfoundland by Gloucester vessels, from December 2, 1886, to March 8, 1887.*

Name of vessel.	Date of sailing.	Date of return.	Frozen herring.	Pickled herring.	Where obtained.	Where sold.
			<i>Number.</i>	<i>Barrels.</i>		
Cecil H. Low .....	Nov. 20, '86	Jan. 7, '87	400,000	.....	Fortune Bay...	Gloucester, Mass.
Cecil H. Low (second trip).	Jan. 21, '87	Feb. 16, '87	350,000	.....	do .....	Do.
Jennie Seaverns..	Dec. 1, '86	Feb. 1, '87	400,000	.....	do .....	New York, N. Y.
Spencer F. Baird..	Dec. 1, '86	Feb. 1, '87	350,000	40	do .....	Philadelphia, Pa.
A. R. Crittenden ..	Dec. 11, '86	Feb. 7, '87	320,000	30	do .....	Gloucester, Mass.
Gertie Evelyn .....	Dec. 3, '86	Feb. 1, '87	350,000	50	do .....	Do.
Orient .....	Dec. 3, '86	Feb. 1, '87	450,000	100	do .....	New York, N. Y.
Davy Crockett .....	Dec. 1, '86	Jan. 31, '87	350,000	40	do .....	Gloucester, Mass.
Herman Babson .....	Dec. 10, '86	Feb. 4, '87	350,000	40	do .....	New York, N. Y.
Samuel V. Colby ..	Dec. 11, '86	Feb. 7, '87	380,000	50	do .....	Do.
Isaac A. Chapman..	Dec. 14, '86	Feb. 24, '87	330,000	40	do .....	Philadelphia, Pa.
Centennial .....	Dec. 15, '86	Feb. 17, '87	420,000	60	do .....	New York, Y. Y.
Nellie M. Davis .....	Dec. 28, '86	Feb. 15, '87	300,000	50	do .....	Gloucester, Mass.
Mawflower .....	Nov. 28, '86	Jan. 15, '87	400,000	75	do .....	Do.
William H. Jordan..	Nov. 22, '86	Feb. 4, '87	350,000	50	do .....	New York, N. Y.
Maggie and Lilly..	Nov. 24, '86	Feb. 7, '87	333,000	30	do .....	Gloucester, Mass.
Rather .....	Nov. 24, '86	Jan. 29, '87	400,000	.....	do .....	Do.
Porter S. Roberts..	Nov. 24, '86	Feb. 2, '87	340,000	50	do .....	Do.
Molly Adams .....	Nov. 27, '86	Jan. 8, '87	50,000	1,100	Placentia Bay..	Do.
Molly Adams (second trip)	Jan. 18, '87	Mar. 7, '87	425,000	100	Fortune Bay...	Do.
Arthur D. Story ..	Sept. 17, '86	Dec. 2, '86	.....	800	Bay of Islands.	Do.
Arthur D. Story (second trip)	Dec. 20, '86	Feb. 3, '87	350,000	60	Fortune Bay...	Do.
Harry G. French ..	Jan. 2, '87	Feb. 17, '87	400,000	100	Placentia Bay..	Do.
Marguerite .....	Jan. 2, '87	Feb. 4, '87	400,000	60	Fortune Bay...	New York, N. Y.
*John W. Bray .....	Jan. 18, '87	.....	.....	.....	.....	.....
Alice C. Jordan .....	Jan. 21, '87	Mar. 8, '87	300,000	60	Fortune Bay...	Gloucester, Mass.
Mystery .....	Nov. 26, '86	Feb. 7, '87	500,000	50	do .....	Philadelphia, Pa.
William D. Daisley	Nov. 26, '86	Feb. 4, '87	360,000	60	do .....	New York, N. Y.
John G. Whittier..	Jan. 7, '87	Feb. 16, '87	380,000	50	do .....	Gloucester, Mass.
James and Ella .....	Dec. 11, '86	Jan. 28, '87	380,000	.....	do .....	Do.
Total .....			10,118,000	3,145		

\* Schooner John W. Bray was frozen in at one of the harbors of Placentia Bay soon after reaching there, and still remains ice-bound.

The Bay of Fundy frozen herring business during the past winter has been much below the average. Herring were scarce much of the time, and the business was more or less restricted by our fishery complications with the Provinces. The following table gives the quantities brought by Gloucester vessels :

*Quantity of frozen herring brought from the Bay of Fundy by Gloucester vessels during the winter of 1886-'87.*

Name of vessel.	Date of arrival at Gloucester.	Number of frozen herring.	Where obtained.
Ada R. Terry .....	Jan. 5, '87	210,000	Grand Manan.
Ada R. Terry (second trip) .....	Mar. 9, '87	260,000	Do.
Enola C .....	Jan. 17, '87	180,000	Saint George.
Enola C (second trip) .....	Mar. 9, '87	250,000	Do.
Margie Smith .....	Feb. 14, '87	250,000	Welsh Pool.
Margie Smith (second trip) .....	Apr. 4, '87	180,000	Saint George.
William H. Foye .....	Jan. 21, '87	220,000	Do.
William H. Foye (second trip) .....	Mar. 9, '87	60,000	Do.
Volunteer .....	Feb. 14, '87	255,000	Do.
Commonwealth .....	Feb. 24, '87	350,000	Do.
Sarah P. Ayer .....	Mar. 4, '87	250,000	Beaver Harbor.
Clyde .....	Mar. 12, '87	101,000	Saint George.
Total .....		2,568,000	

After touching and reporting at Gloucester, a few of these vessels proceeded to Boston and disposed of their fish for bait and food, though the larger portion was sold at Gloucester for bait.

The cargoes mentioned in the above table constituted the bulk of the receipts by American sailing vessels from the Bay of Fundy, though the schooners Venus and Flora Wooster, of Eastport, brought 320,000 and 53,000, respectively, and the Charles H. Kelley, of Boston, brought 160,000. The fish brought by the first-named vessels were obtained at Saint George, and those by the last-named from Grand Manan. In addition to those brought by sailing craft, large quantities of frozen herring were shipped by rail and steamer from Eastport and other fishery centers, to the principal markets of the New England and Middle States.

**26.—THE FISHERIES OF GLOUCESTER, MASS., IN APRIL, 1887, WITH NOTES ON THOSE OF OTHER LOCALITIES.**

**By W. A. WILCOX.**

Although April is a spring month, the weather has much resembled that of midwinter, with heavy falls of snow occurring so late as the 18th. The cold weather and frequent storms have considerably delayed the vessels in beginning their season's work. During the month comparatively few Gloucester vessels have been employed, these fishing mostly on George's Bank and off Cape Ann, though a small fleet has fished on the Western Bank for cod and halibut.