MINOR FISHERIES.

Trout.

The~~re are no~~ trout fisheri~~es~~ of Alaska has not attracted much attention ~~in Alaska, and no industry de-~~ although it is of growing importance. ~~pendent thereon, worthy the name~~. One concern, ~~alone~~, the Midnight Sun Packing Co., at Kotzebue, reports that its major operations consisted of the catching and packing of Dolly Varden trout. This company canned 2,587 cases of trout, the value of which was $24,105, or more than the value of all the trout products of Alaska in 1917. There was also a considerable increase in the quantity of fresh and frozen trout produced, the records for 1918 showing an aggregate production of 69,718 pounds, valued at $7,343, as against 42,966 pounds valued at $4,018 in 1917. This increase occured chiefly in southeastern Alaska. The total production of pickled trout was ~~89~~ 105 barrels, as against 174 barrels in 1917. The total value of all trout products in 1918 was ~~$33,444~~ $33,684, an increase of $16,~~548~~ $16,788 over the yield of 1917.

PRODUCTS OF THE ALASKA TROUT FISHERY IN 1918.

Section and species.	Fresh.		Frozen.		Pickled.		Canned.	
	Pounds.	Value	Pds.	Value	~~Pounds.~~ Barrels	Value	Cases.	Value.
Southeast Alaska:								
Dolly Varden . . .	47,169	5,725	985	197	3	95		
Steelhead	13,049	850	675	101	8	112		
Total.....	60,218	6575	1660	298	11	207		
Central Alaska:								
Dolly Varden. . .	. . . . .	. . .	7840	470	~~58~~ 74	~~996~~ 1236	33	295
Steelhead	. . . . .	. . .	. . . . .	. . .	. . .	. . .	21	168
Total . . .	. . . . .	. . .	7840	470	~~58~~ 74	~~996~~ 1,236	54	463
Western Alaska:								
Dolly Varden. . .	. . . . .	. . .	. . . . .	. . .	20	330	2587	~~24,568~~ 24,105
Grand Total . . .	60,218	6,575	9,500	768	~~89~~ 105	~~1533~~ 1,773	2,641	24,568

Sablefish.

The sablefish, or black cod, as it was once known, is taken incidentally by those engaged in halibut fishing on the offshore banks of Alaska. The bulk of the catch was marketed fresh or frozen, while a small quantity ~~wa~~ was pickled. The yield was 1,336,039 ~~974,046~~ pounds, or 315,549 ~~46,444~~ pounds more ~~less~~ than in 1917, ~~when 1,020,490 pounds were produced.~~ ~~Notwithstanding this decrease,~~ slight increase. The products ~~catch~~ in 1918 were ~~was~~ valued at $67,357 ~~$50,210~~, as compared with $38,303 in ~~for the~~ ~~these products of~~ 1917, a gain of $29,048.

Shipment of sable fish from Alaska waters in 1918.

Condition.		Pounds.	Value.
Fresh	842,386	~~547,135~~	~~$26,650~~ 41,122
Frozen	411,955	~~345,213~~	~~17,335~~ 20,004
Pickled		81,698	6,225
Total	1,336,039	~~974,046~~	~~$50,210~~ 67,351

Red Rockfish.

The production of red rockfish in 1918 was 338,669 pounds, valued at $12,186, as compared with 150,453 pounds in 1917, valued at $3,696. This was a very gratifying increase in the take and utilization of this somewhat neglected fish. The rockfish, as in the case of several other species of fish, does not support an independent industry, but is taken chiefly in connection with the halibut fishery.

Crabs.

Commercially, the crabs of Alaska attract little attention, although they are recognized as a superior sea food, widely distributed, and reasonably abundant. The only reported crab fishery was carried on by John Murphy, at Tenakee, Alaska, who took 720 dozen, valued at $1,440. ~~It is known, However, that Knute Casperson, at Cordova, utilized several crabs in the preparation of crab cocktails besides selling several fresh crabs to the local restaurants.~~ Newt

The total investment in this industry was $739. Crabs are used to a very considerable extent by local residents of various parts of Alaska.

Shrimps.

The shrimp fishery of Alaska is centered in the Petersburg region and at Thomas Bay. The Glacier Fish Co., at Scow Bay, the Ripley Fish Co., at Petersburg, and H. Van Vlack & Co., at Thomas Bay, ~~are the only operators who~~ handled shrimps. The latter concern, in addition to dealing in fresh shrimps as the other companies did, canned 524 cases, valued at $3,200. The total sales of fresh shrimps were ~~20,928~~ pounds, valued at ~~$3,158~~. $10,806. The total value of the shrimp products of Alaska in 1918 was ~~$6,358~~. $14,006.

48,204

7930

Miscellaneous Fishery Products.

In the various fishery operations in Alaska, certain species of fish are taken and used to a limited extent by the companies handling fresh and frozen fish. These miscellaneous products are not given separate classification, but consist in large part of ling cod, flat-fish, and pollock, the total yield being ~~[illegible]~~ ~~249,045~~ 246,968 pounds, valued at ~~$8,341.~~ 7,696 In addition to this, 7850 pounds of alkafish, valued at $645, were pickled in western Alaska.

[illegible]

OUTPUT OF CANNED SALMON, 1912 to 1918. a

Product.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	Total.
Coho, or silver:								
½-pound flat	2,719	587 3,337	4,579	2,050	13,145	30,412	26,238	82,730
1-pound flat	17	266	285	2,338	8,191	362	12,786	24,245
1-pound tall	163,462	71,926	152,199	119,880	240,573	162,457	179,934	1,090,431
Total	166,198	75,779	157,063	124,268	261,909	193,231	218,958	1,197,406
Chum, or keta:								
½-pound flat	2,795	985	373	.....	1,423	26,760	3,559	35,895
1-pound flat	.....	2,619	5,568	317	.....	2,530	2,996	14,030
1-pound tall	661,838	287,314	657,918	479,629	722,692	877,457	1,358,405	5,045,253
Total	664,633	290,918	663,859	479,946	724,115	906,747	1,364,960	5,095,178
Humpback, or pink	~~13,712~~	~~20,822~~	~~2,103~~	~~4,325~~	~~41,491~~	~~91,403~~		
½-pound, flat	13,712	20,822	2,103	4,325	41,491	91,403	63,557	237,413
1-pound flat	.....	3,258	9,286	3,508	14,796	6,014	20,215	~~294,490~~ 57.077
1-pound tall	1,266,426	1,348,801	974,660	1,867,683	1,681,506	2,199,559	2,355,182	11,693,817
Total	1,280,138	1,372,881	986,049	1,875,516	1,737,793	2,296,976	2,438,954	11,988,307
King, or spring:								
½-pound flat	5,151	1,585	3,143	2,404	2,617	12,973	6,000	33,873
1-pound flat	.....	.....	4,804	3,755	3,804	5,133	5,267	22,763
1-pound tall	38,166	32,785	40,092	82,092	59,452	43,845	37,959	334,391
Total	43,317	34,370	48,039	88,251	65,873	61,951	49,226	391,027
Red, or sockeye:								
½-pound flat	28,024	29,041	53,825	52,033	81,565	124,309	137,008	505,805
1-pound flat	16,242	11,735	64,671	112,847	86,395	89,612	151,864	533,366
1-pound tall	1,856,089	1,924,461	2,083,147	1,765,139	1,936,971	2,274,460	2,244,865	14,085,132
1½-pound nominals	.....	.....	.....	2,293	.....	.....	.....	2,293
2-pound nominals	.....	.....	.....	.....	6,006	.....	.....	6,006
Total	1,900,355	1,965,237	2,201,643	1,932,312	2,110,937	2,488,381	2,533,737	15,132,602
Grand total	4,054,641	3,739,185	4,056,653	4,500,293	4,900,627	5,947,286	6,605,835	33,804,520

a The number of cases shown has been put upon the common basis of forty-eight 1-pound cans per case.

PERSONS ENGAGED IN THE SALMON-CANNING INDUSTRY IN 1918.

Occupations and races.	Southeast Alaska.	Central Alaska.	Western Alaska.	Total.
Fishermen:				
Whites	1,530	1,307	3,296	6,133
Natives	1,507	290	202	1,999
Japanese	...	1	...	1
Mexicans	47	...	...	47
Miscellaneous[a]	243	...	...	243
Total	3,327	1,598	3,498	8,423
Shoresmen:				
Whites	3,339	889	2,014	6,242
Naties	1,561	581	573	2,715
Chinese	1,374	562	798	2,734
Japanese	822	303	339	1,464
Filipinos	731	279	328	1,338
Mexicans	229	229	1,204	1,662
Miscellaneous[a]	129	55	458	642
Total	8,185	2,898	5,714	16,797
Transporters:				
Whites	697	301	221	1,219
Natives	15	24	5	44
Miscellaneous[a]	10	5	4	19
Total	722	330	230	1,282
Grand Total:				
Whites	5,566	2,497	5,531	13,594
Natives	3,083	895	780	4,758
Chinese	1,374	562	798	2,734
Japanese	822	304	339	1,465
Filipinos	731	279	328	1,338
Mexicans	276	229	1,204	1,709
Miscellaneous[a]	382	60	462	904
Total	12,234	4,826	9,442	26,502

a Porto Ricans, Kanakas, Negroes, etc.

Investment in the Salmon Canning Industry in 1918.

Items.	Southeast Alaska.		Central Alaska.		Western Alaska.		Total.	
	No.	Value.	No.	Value.	No.	Value.	No.	Value.
Canneries Operated.	76	$5,981,072	29	$2,130,051	30.	$4,687,956	135	$12,799,079
Working capital		11,863,980		4,711,101		8,005,510		24,580,591
Wages paid		5,896,473		2,643,610		5,280,985		13,821,068
Vessels:								
Power vessels over 5 tons	342	2,121,425	89	817,880	97	1,988,187	528	4,927,492
Net tonnage.	6,165		2,444		6,920		15,529	
Launches under 5 tons . . .	163	153,703	148	150,449	37	139,904	348	444,056
Sailing.	1	45,000	9	368,500	34	1,624,010	44	2,037,519
Net tonnage.	1,974		14,342		51,058		67,374	
Barges	3	23,673	. . .	. . . .	. . .	. . . .	3	23,673
Net tonnage	2,295	. . . . .	. . . .	. . . .	. . .	. . . . .	2,295	
Boats, sail and row	1,140	104,711	730	64,702	1,513	269,066	3,383	438,479
Lighters, scows and house boats..	370	254,960	217	168,958	190	251,836	777	675,654
Pile drivers	54	292,842	40	156,535	29	95,421	123	544,898
Apparatus:	~~140~~	~~68,330~~	~~115~~	~~49,868~~	~~11~~	~~1,410~~	~~266~~	~~119,608~~
Haul seines	140	68,330	115	49,868	11	1,410	266	119,608
Fathoms	16,823		17,824		745		35,492	
Purse seines	384	285,666.	68	34,280	34	47,900	486	367,846
Fathoms	69,120		9,686		9,150		87,956	
Gill nets	407	41,748	1,067	112,484	2,656	516,556	4,130	670,788
Fathoms	47,577		80,018		339,032		466,627	
Pound nets, driven . . .	286	1,626,951	140	551,813	17	59,386	443	2,238,150
Pound nets, floating	77	210,432	.....	.....	....	.....	77	210,432
Dip nets	...	.....	36	450	...	.....	36	450
Fish wheels.	...	.....	....	.....	6	1,336	6	1,336
Hand lines	4	160	....	.....	134	127	138	287
Total		$28,971,126		$11,960,681		$22,969,590		$63,901,397

AVERAGE ANNUAL PRICE PER CASE OF FORTY-EIGHT 1-POUND CANS OF SALMON, 1908 to 1918.

Product.	~~1908.~~ 1908.	~~1909.~~ 1909.	~~1910.~~ 1910.	~~1911.~~ 1911.	~~1912.~~ 1912.	~~1913.~~ 1913.	~~1914.~~ 1914.	~~1915.~~ 1915.	~~1916.~~ 1916.	~~1917.~~ 1917.	1918.
Coho, or silver,	$3.98	$4.07	$4.89	$5.67	$4.44	$3.45	$4.39	$4.31	$5.34	$8.76	$9.15
Chum, or keta.	2.53	2.28	3.04	3.72	2.37	2.21	3.37	2.59	3.34	6.14	6.27
Humpback, or pink...	2.69	2.40	3.15	3.94	2.55	2.58	3.50	2.78	3.64	6.44	6.58
King, or spring.....	4.20	4.32	5.34	6.48	5.37	4.04	5.01	4.63	5.36	10.40	9.85
Red, or sockeye.....	4.52	4.53	5.30	6.33	5.45	4.54	5.58	5.82	6.04	9.48	9.44

OUTPUT OF CANNED SALMON IN 1918.a

Product.	Southeast Alaska.		Central Alaska.		Western Alaska.		Total.	
	Cases.	Value.	Cases.	Value	Cases.	Value.	Cases.	Value.
Coho, or silver:								
½-pound flat	22,598	273,879	3,009	38,508	631	8,076	26238	322463
1-pound flat	8,898	79,252	1,227	11,768	2661	25,545	12786	116565
1-pound tall	115,828	1,005,039	55,598	484,996	8508	75,916	179934	1565951
Total	147,324	1,360,170	59,834	535,272	11800	109,537	218958	2004979
Chum, or keta:								
½-pound flat	3559	31128	.....	.....	.....	.....	3559	31128
1-pound flats	2996	19094	.....	.....	.....	.....	2996	19094
1-pound talls	953961	5956446	300494	1900437	103950	655767	1358405	8512650
Total . . .	960516	6006668	300494	1900437	103950	655767	1364960	8562872
Humpback, or pink:								
½-pound flat	61128	563470	2429	21902	. . . .	. . . . .	63557	585372
1-pound flat	19838	133458	372	2678	5	33	20215	136169
1-pound tall	1954417	12698557	373421	2460043	27344	188315	2355182	15346915
Total,	2035383	13395485	376222	2484623	27349	188348	2438954	16068456
King, or spring:								
½-pound flat	4275	53942	1561	20648	164	2171	6000	76761
1-pound flat	2343	22852	422	4160	2502	32526	5267	59538
1-pound tall	9738	84310	13060	120361	15161	144325	37959	348996
Total	16356	161104	15043	145169	17827	179022	49226	485295
Red, or sockeye:								
½-pound flat	58580	761793	55765	726485	22663	299150	137008	1787428
1-pound flat	50849	513507	41081	410810	59934	591680	151864	1515997
1-pound tall	106437	935597	543512	4980362	1594916	14700963	2244865	20616922
Total	215866	2210897	640358	6117657	1677513	15591793	2533737	23920347
Grand total	3375445	23134324	1391951	11183158	1838439	16724467	6605835	51041949

a Cases containing ½-pound cans have been reduced one-half in number, and thus, for the purpose of affording fair comparison, all are put upon the basis of forty-eight 1-pound cans per case.

670

DEPARTMENT OF COMMERCE
BUREAU OF FISHERIES
WASHINGTON

RETURN AFTER FIVE DAYS

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE $300

Carlisle P

SUMMARY OF PRODUCTS OF THE ALASKA FISHERIES IN 1918.

Products.		Quantity.	Value.
Salmon:			
Canned	cases.	6,605,835	$51,041,949
Mild-cured	pounds.	3,158,400	607,951
Pickled	do.	11,378,000	1,079,881
Frozen	do.	1,877,922	170,864
Fresh (including local)	do.	4,260,915	336,576
Dry slated	do.	516,975	47,544
Dried or smoked	do.	1,400,000	140,000
By-products, oil	gallons.	4,624	4,624
By-products, fertilizer	pounds.	1,368,000	40,047
Herring:			
Canned	cases.	31,719	231,735
Dry slated	pounds.	100,000	1,500
Fresh for food	do.	606,326	6,564
Fresh for bait	do.	1,407,200	17,827
Frozen for bait	do.	4,152,835	36,654
Pickled, Scotch cure	do.	9,744,175	748,606
Pickled, Norwegian cure	do.	8,968,515	632,402
Oil	gallons.	138,012	97,000
Fertilizer	pounds.	1,290,000	47,250
Halibut:			
Fresh (including local)	do.	10,491,777	1,315,985
Frozen	do.	3,337,529	348,866
Dry salted	do.	40,400	2,835
Cod	do.	14,062,560	957,184
Whale oil	gallons.	672,989	421,942
Sperm oil	do.	338,931	327,420
Whale fertilizer	pounds.	2,059,600	74,255
Whalebone	do.	8,223	1,644
Whale ivory	do.	866	216
Whale meat, frozen	do.	148,000	7,400
Beluga hides	do.	2,500	1,250
Clams	cases.	43,575	214,504
Trout:			
Fresh	pounds.	60,218	6,575
Frozen	do.	9,500	768
Pickled	do.	21,000	1,773
Canned	cases.	2,641	24,568
Sablefish, fresh, frozen, and pickled	pounds.	1,336,039	67,351
Red Rockfish	do.	338,669	12,186
Crabs	dozens.	720	1,440
Shrimps:			
Canned	cases.	524	3,200
Fresh	pounds.	48,204	10,806
Atkafish, pickled	do.	7,850	645
Miscellaneous fresh fish	do.	246,968	7,696
Total			$59,099,483