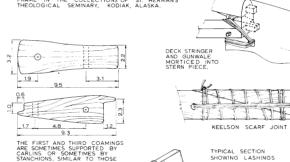


THESE PADDLES ARE IN THE COLLECTIONS OF THE MUSEUM OF ANTHROPOLOGY AND ETHNOGRAPHY IN LENINGRAD AND WERE COL-LECTED BY LISIANSKY IN 1805, THEY PROB-BLY HAVE THE ABOVE CATALOG Nos. THE BLADES OF ALL THREE PADDLES ARE SYMMETRICALLY RIDGED ON BOTH SIDES. THE EDGE THICKNESS VARIES FROM C. 0.3 cm. AT THE TIP TO 0.4-0.6 cm AT THE SIDES ALMOST TO THE LOOM.

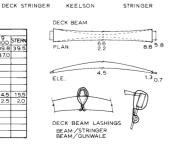
1.2

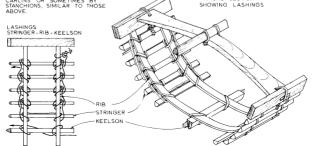


DECK STRINGER \* DECK BEAM \*-GUNWALE 5.8 · 25 RIBS 2.5 x 1.1 STRINGER\* KEELSON\*-\*(SEE DRAWING) OFFSETS C

CARLINS (SIMILAR TO DECK BEAMS)-COCKPIT COAMING 4.0 - 1.1 -

OFFSETS CENTIMETERS TO OUTSIDE OF SKIN													
SECTION			STEM	50	100	200	300	400	500	600	8 750	800	STERN
HEIGHTS ABOVE BASELINE	DECKRI	DGE	49.5	45.3	43.7	46.5	48.2	49.6	49.4	47.0	42.4	39.8	39.5
	SHEER			39.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	
	CHINE	5			31.5	28.6	28,2	27.8	27.5	27.2	30.2		
	CHINE	4			27.2	22.9	22.2	22.2	22.0	22.2	25.6		
	CHINE	3			22.6	17.9	17.1	16.9	17.1	17.6	22.3		
	CHINE	2			19.0	13,9	12.6	12,6	12,7	13.5	17.5		
	CHINE	1			16,0	10.7	9.6	9.4	9.6	10,0	15.7		
	KEELSC	N		18.5	13.7	8.3	7.0	6.6	6.8	7.1	10.5	14.5	15,5
HALF BREADTHS	SHEER		2.0	6.4	11,5	25.7	35.0	39.2	37.7	31.7	10.0	2.5	2.0
	CHINE	5			9.4	20.6	31.6	35.6	34.6	27.6	8.2		
	CHINE	4			7.5	17.3	27.4	31.8	31.0	24.6	6.8		
	CHINE	3			5.5	13.9	23.2	27.8	27.4	21.5	5.5		
	CHINE	2			3.7	10.6	18.7	23.2	22.8	17.9	3.5		
	CHINE	5			1.9	6.7	13.1	17.6	16.4	14.1	1.9		





THE THREE-HOLE ALEUT AND KODIAK KAYAKS WERE USED EXTENSIVELY BY THE RUSSIAN PRIESTS, TRADERS AND EXPLORERS, THEY AND THEIR BAGGAGE OCCUPIED THE MIDDLE OTHER TWO.

THIS IS THE OLDEST SURVIVING SPECIMEN OF ITS TYPE AND WAS IN REMARKABLY GOOD CONDITION IN 1975, COMPLETE CONDITION IN 1975, COMPLETE WERE NOT TAKEN OFF AND T LINES DRAWING IS RECONSTRUCTED BAS-ED ON A STRAIGHT SHEER LINE. BOW AND STERN CONSTRUCTION DETAILS ARE AND STERN CONSTRUCTION DETAILS ARE BASED ON COMMON KODIAK ESKIMO BUILD-ING PRACTICES AND INSIDE PHOTOGRAPHS OF THIS SPECIMEN. DECK LINES AND STERN HANDHOLD ARE RECONSTRUCTED FROM PHOTOGRAPHS OF OTHER SPECI-

LISIANSKY (1814; 211-212) WROTE THAT "THE CADIACK MEN DESERVE GREAT CREDIT FOR THE INVENTION OF THE BIDARKA, WHICH IS LIGHTLY CONSTRUCTED OF WOOD, FASTENED TOGETHER WITH WHALEBONE, AND COVERED OVER WITH SEALSKINS, THE SEAMS F WHICH ARE SO WELL SEWED DROP OF WATER CAN GET TH THROUGH.... BIDARKAS PADDLE VERY FAST, AND THE BIDARKAS FADDLE VERY FASI, AND ARE SAFER AT SEA IN BAD WEATHER THAN EUROPEAN BOATS; ESPECIALLY WHEN PROVIDED WITH GOOD HATCHWAY CLOTHS, WHICH ARE ALWAYS DRAWN OVER HOLES, WHICH ARE ALWAYS DRAWN OVER HOLES ANSWERING TO HATCHWAYS, AND EXTEND AROUND THE WAISTS OF THE PEOPLE SITTING IN THEM. WHEN THERE ARE SEVERAL OF THESE VESSELS IN COMPANY, AND A STORM OVERTAKES THEM, THEY FASTEN TOGETHER IN PARTIES OF THREE OR FOUR AND THUS RIDE IT OUT. LIKE SO MANY DUCKS TOSSED UP AND DOWN BY THE WAVES, WITHOUT THE SMALLEST DANGER, AT FIRST I DISLIKED THESE LEATHERN CANOES, ON ACCOUNT OF THEIR BENDING FLASTICITY IN THE WATER, ARISING FROM THEIR BEING SLENDERLY BUILT; BUT WHEN ACCUSTOMED TO THEM, I THOUGHT IT RATHER PLEASANT THAN OTHERWISE."+

## KODIAK THREE-HOLE KAYAK MUSEUM OF ANTHROPOLOGY AND ETHNOGRAPHY LENINGRAD, U.S.S.R

MAE 536-24 LENGTH 26'5.7 807.0 31.2" 79.2 BEAM WEIGHT (ESTIMATE) 100 lbs 45.4 kg DEPTH TO SHEER 12.0

COLLECTED BY UREY LISIANSKY, KODIAK ISLAND, 1805.

LISIANSKY, UREY 1814 A VOYAGE ROUND THE WORLD IN THE YEARS 1803, 4, 5 · 6 LONDON: JOHN BOOTH.

## NOTES AND CONSTRUCTION DETAILS

## SHEET 2 OF 2

LINES TAKEN OFF BY DAVID W ZIMMERLY NOVEMBER 1975 DRAWN BY KATHRYN P. IRELAND 1982