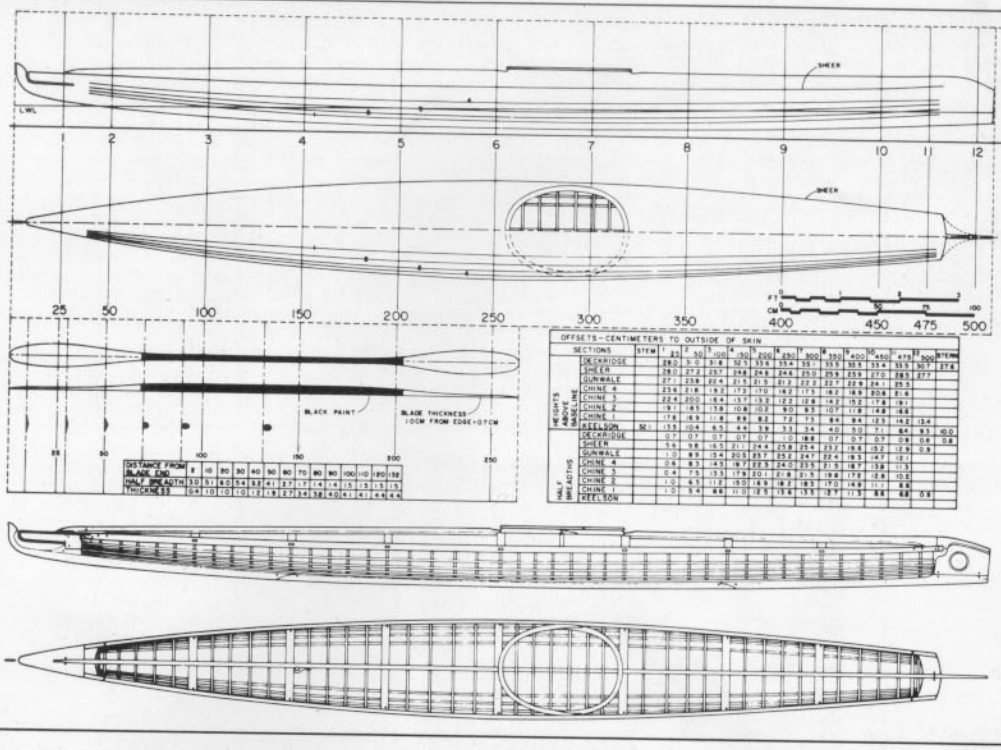


THIS SPECIMEN CONSISTS OF AN UNCOVERED FRAME, A DOUBLE PADDLE AND A SAIL. ALL PARTS ARE OF SUPERIOR WORKMANSHIP, ALTHOUGH LATER REPAIRS SUCH AS THE COCKPIT COAMING STANCHIONS ARE OF INDIFFERENT QUALITY. THESE STANCHIONS ARE TOO LONG FORCING THE COAMING OUT OF ITS OTHERWISE LEVEL PLANE. THE STERN HOLE SERVES ONLY TO LIGHTEN THE FRAME AND IN USE WAS COVERED OVER WITH SKIN. ALEUT KAYAK RIBS ARE LOCATED ON DECKBEAM CENTERS INSTEAD OF BEING STAGGERED TO MISS THEM AS ON ESKIMO KAYAKS. FOLLOWING STANDARD ALEUT PRACTICE THE KEELSON IS IN THREE SECTIONS WITH CURVED NOTCHED SCARF JOINTS. THE ORIGINAL PART OF THE FRAMEWORK WAS PAINTED RED.

OFFSETS - CENTIMETERS TO OUTSIDE OF SKIN

	SECTIONS	STEM	25	50	100	150	200	250	300	350	400	450	475	500	STERN
HEIGHTS ABOVE BASELINE	DECKRIDGE		28.0	30	31.8	32.5	33.6	33.4	33.1	33.5	33.5	33.4	33.5	30.7	27.4
	SHEER		28.0	27.2	25.7	24.8	24.6	24.4	25.0	25.9	25.9	27.0	28.3	27.7	
	GUNWALE		27.1	25.8	22.4	21.5	21.5	21.2	22.2	22.7	22.9	24.1	25.5		
	CHINE 4		23.6	21.8	19.2	17.3	17.0	16.2	17.5	18.2	18.9	20.6	21.6		
	CHINE 3		22.5	20.0	16.4	13.7	13.2	12.2	12.8	14.2	15.2	17.6	19.1		
	CHINE 2		19.1	18.5	13.8	10.8	10.2	9.0	9.3	10.7	11.8	14.8	16.6		
	CHINE 1		17.6	16.9	11.8	8.8	8.2	7.2	7.3	8.4	9.4	12.3	14.2	13.4	
	KEELSON	52	15.5	10.4	6.5	4.6	3.8	3.3	3.4	4.0	5.0	7.1	8.4	9.5	10.0
HALF BREADTHS	DECKRIDGE		0.7	0.7	0.7	0.7	0.7	1.0	18.8	0.7	0.7	0.7	0.9	0.6	0.8
	SHEER		5.6	9.2	15.3	20.1	24.4	25.8	25.4	23.2	19.8	15.2	12.9	0.9	
	GUNWALE		10.1	9.9	15.4	20.5	23.7	25.5	24.7	22.4	19.5	14.7			
	CHINE 4		0.6	8.3	14.5	19.7	22.5	24.0	23.5	21.5	18.7	13.8	11.3		
	CHINE 3		0.4	7.5	13.3	17.9	20.1	21.9	21.5	19.8	17.0	12.6	10.2		
	CHINE 2		1.0	6.5	11.2	15.0	16.9	18.2	18.3	17.0	14.9	11.1	8.8		
	CHINE 1		1.0	5.4	8.6	11.0	12.5	13.6	13.5	12.7	11.3	8.6	6.8	0.9	
	KEELSON														

ALEUT KAYAK

LOWIE MUSEUM, UNIVERSITY OF CALIFORNIA, BERKELEY

LM 2-14886

LENGTH	16' 8.6"	509.5
BEAM	20.4"	51.7
DEPTH TO SHEER	8.7"	22.0
WEIGHT	26.5 lbs	12.0 kg

COLLECTED BY MARGARET LANTIS, 1934, ATKA ISLAND, ALASKA

SCALE - 1:8 (IN CENTIMETERS)

L.W.L. (LOAD WATERLINE) BASED ON 68 kg (150 lbs.) MAN SEATED 287.0cm FROM BOW

DISPLACEMENT TO SHEER 606.7lbs 275.2 kg

C.P. (PRISMATIC COEFFICIENT) .50

THEORETICAL TOP SPEED 4.9 KNOTS

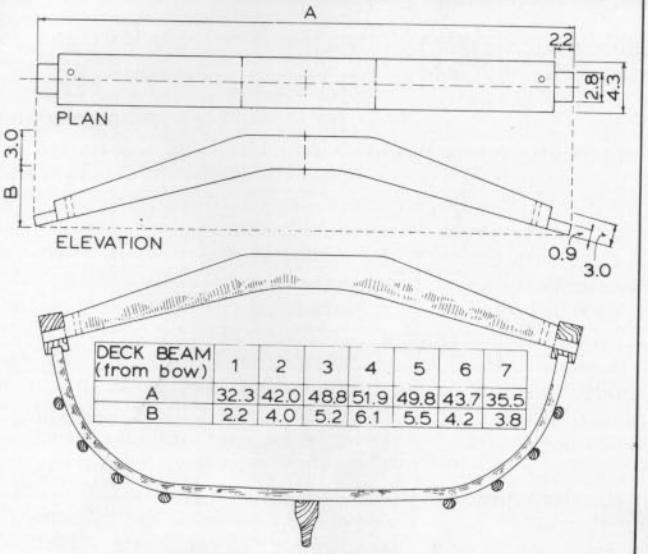
LOADED KAYAK UNSTABLE AT 29° HEEL

LINES AND CONSTRUCTION DETAILS

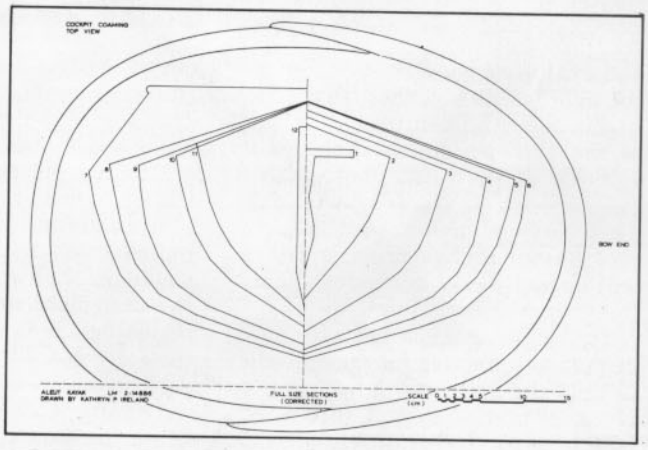
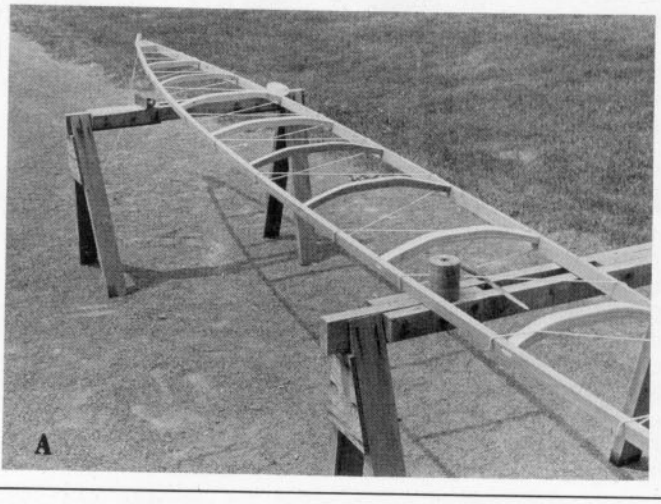
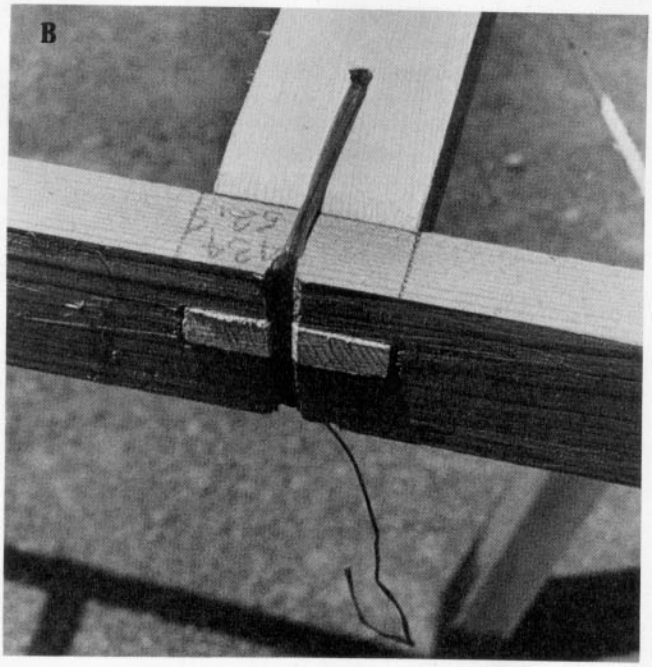
SHEET 1 OF 1

LINES TAKEN OFF BY DAVID W. ZIMMERLY, NOVEMBER 1978

DRAFTED BY GAIL F. MCKNIGHT, 1980.



DECK BEAM (from bow)	1	2	3	4	5	6	7
A	32.3	42.0	48.8	51.9	49.8	43.7	35.5
B	2.2	4.0	5.2	6.1	5.5	4.2	3.8

DECK BEAMS

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