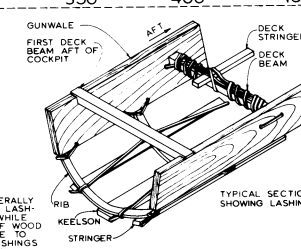
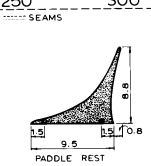


DISTANCE FROM BLADE END	0	20	40	60	100	150	180	200	220	240
HALF BREADTH	6.9	8.0	7.2	2.1	2.0	2.0	2.1	7.2	8.0	6.9
THICKNESS	2.0	3.3	3.8	4.0	4.3	4.3	4.0	3.8	3.3	2.0

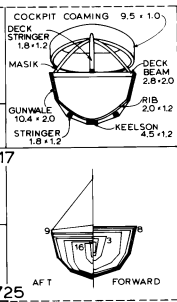
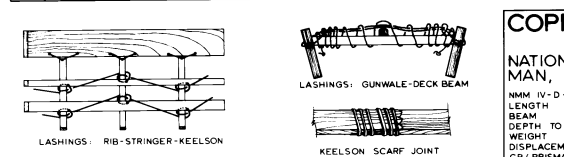
THE COPPER ESKIMO PADDLE IS UNIQUE IN HAVING RELATIVELY WIDE, SPOON-SHAPED BLADES.

BY 1914 KAYAKS AMONG THE COPPER ESKIMO WERE DECLINING IN NUMBERS WITH ONLY 1 IN 10 MEN OWNING ONE.

THE MAJOR USE FOR THESE LOW, NARROW UNSTABLE CRAFT WAS TO SPEAR CARIBOU IN LAKES AND RIVERS.



SECTIONS	STEM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	STERN
DECKRIDGE	27.0	28.5	29.5	31.2	32.5	33.3	33.7	33.6	32.9	32.4	31.5	30.6	29.7	29.0	27.8	27.1	26.5	26.5
SHEER	20.6	21.6	21.9	22.0	21.9	21.9	21.8	21.6	20.9	20.3	19.9	19.0	18.0	18.1	19.9			
GUNWALE	17.3	15.6	15.3	15.0	14.9	15.0	14.8	14.8	14.8	14.5	13.6	13.4	13.5	14.2				
CHINE	22.5	21.0	18.4	14.2	12.7	12.2	11.9	11.6	12.0	11.5	11.1	11.4	11.0	10.4	10.2	12.2	17.5	20.5
KEELSON	1.5	2.5	6.0	13.0	17.1	18.5	19.2	19.5	19.2	19.2	19.3	19.2	18.7	17.1	13.4	9.9	3.5	2.2
SHEER	3.6	11.2	14.9	16.2	16.9	17.0	16.4	16.5	16.4	16.2	15.9	14.9	11.9	8.6	3.0			
GUNWALE																		
CHINE																		



COPPER ESKIMO KAYAK

NATIONAL MUSEUM OF MAN, OTTAWA, CANADA

NMM IV-D-1057

LENGTH 23' 3.2" 709.2

BEAM 15.6" 39.5

DEPTH TO SHEER 8.1" 20.5

WEIGHT 44.0 lbs 200 kg

DISPLACEMENT TO SHEER 741.1 lbs 336.2 kg

CP (PRISMATIC COEFFICIENT) .81

THEORETICAL TOP SPEED 5.8 KNOTS

LOADED KAYAK UNSTABLE AT 1" HEEL

SCALE

COLLECTED BY DIAMOND JENNESS, CANADIAN ARCTIC EXPEDITION, 1913-16

LWL (LOAD WATERLINE) BASED ON 68 kg (150 lb) MAN SEATED 426.7 cm FROM BOW

LINES AND CONSTRUCTION DETAILS

SHEET 1 OF 1

LINES TAKEN OFF BY DAVID W. ZIMMERLY, AUGUST 1982

DRAWN BY KATHRYN P. IRELAND, 1982