C4-5-1a

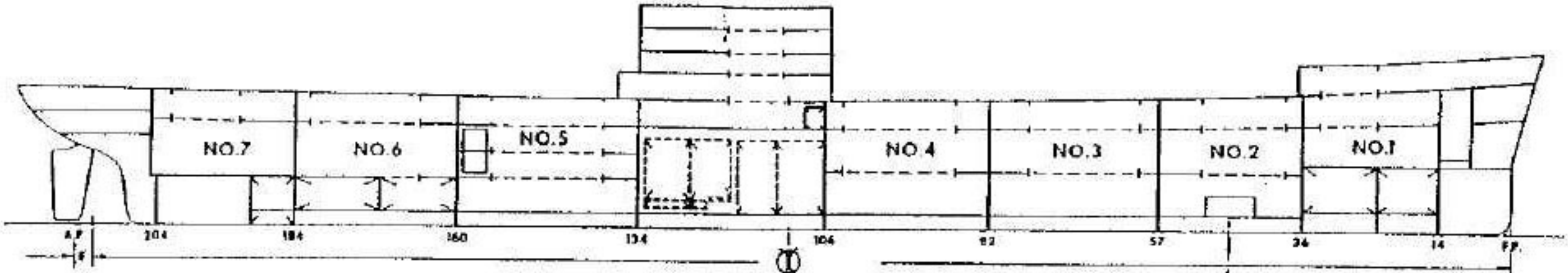

TABLE OF CORRECTIONS IN INCHES TO DRAFT FORWARD AND AFT FOR EACH 100 TONS LOADED AT ANY DISTANCE FROM AMIDSHIPS.

EXAMPLE-FIND THE CHANGE IN TRIM AFTER LOADING 100 TONS IN NO. 2 HOLD (160 FEET FORWARD AMIDSHIPS)

INITIAL DRAFT	FORWARD	19'-6"	AFT	20'-6"
CORRECTION	FORWARD	+7.6"	AFT	-.4"
NEW DRAFT		20'-2"		20'-2"

30'-0" DRAFT FOR'D	-5.3	-5.0	-4.7	-4.4	-4.1	-3.9	-3.6	-3.3	-3.0	-2.7	-2.5	-2.2	-1.9	-1.6	-1.3	-1.1	-0.8	-0.5
30'-0" DRAFT AFT	+7.1	+6.8	+6.6	+6.4	+6.1	+5.9	+5.7	+5.4	+5.2	+4.9	+4.7	+4.5	+4.2	+4.0	+3.8	+3.5	+3.3	+3.0
20'-0" DRAFT FOR'D	-7.2	-6.9	-6.5	-6.2	-5.8	-5.4	-5.1	-4.7	-4.4	-4.0	-3.7	-3.3	-3.0	-2.6	-2.3	-1.9	-1.6	-1.2
20'-0" DRAFT AFT	+9.6	+9.3	+9.0	+8.7	+8.4	+8.0	+7.7	+7.4	+7.1	+6.7	+6.4	+6.1	+5.8	+5.4	+5.1	+4.8	+4.5	+4.1

30'-0" DRAFT FOR'D	-0.2	+0.1	+0.4	+0.6	+0.9	+1.2	+1.5	+1.8	+2.0	+2.3	+2.6	+2.9	+3.2	+3.4	+3.7	+4.0	+4.3	+4.6
30'-0" DRAFT AFT	+2.8	+2.6	+2.3	+2.1	+1.9	+1.6	+1.4	+1.1	+0.9	+0.7	+0.4	+0.2	0	-0.3	-0.5	-0.8	-1.0	-1.2
20'-0" DRAFT FOR'D	-0.9	-0.5	-0.1	+0.2	+0.6	+0.9	+1.3	+1.6	+2.0	+2.3	+2.7	+3.0	+3.4	+3.7	+4.1	+4.4	+4.8	+5.1
20'-0" DRAFT AFT	+3.8	+3.5	+3.2	+2.8	+2.5	+2.2	+1.9	+1.5	+1.2	+0.9	+0.6	+0.3	-0.1	-0.4	-0.7	-1.0	-1.4	-1.7

30'-0" DRAFT FOR'D	+4.6	+5.1	+5.4	+5.7	+6.0	+6.2	+6.5	+6.8	+7.1	+7.4	+7.6	+7.9	+8.2	+8.5	+8.5	+9.0	+9.0
30'-0" DRAFT AFT	-1.5	-1.7	-1.9	-2.2	-2.4	-2.7	-2.9	-3.1	-3.4	-3.6	-3.8	-4.1	-4.3	-4.6	-4.8	-5.0	-5.3
20'-0" DRAFT FOR'D	+5.5	+5.9	+6.2	+6.6	+6.9	+7.3	+7.6	+8.0	+8.3	+8.7	+9.0	+9.4	+9.7	+10.1	+10.4	+10.8	+11.1
20'-0" DRAFT AFT	-2.0	-2.3	-2.7	-3.0	-3.3	-3.6	-4.0	-4.3	-4.6	-4.9	-5.3	-5.6	-5.9	-6.2	-6.6	-6.9	-7.2

NOTES 1-THE CORRECTIONS HAVE BEEN COMPUTED FOR THE TWO DRAFTS 10 FEET APART TO FACILITATE INTERPOLATION, BUT IN PRACTICE IT WILL BE ACCURATE ENOUGH TO REFER TO THE TABLE NEAREST THE SHIP'S DRAFT.

2-WHEN DISCHARGING, USE THE TABLE AS LOADING AND CHANGE THE PLUS AND MINUS SIGNS.

SCALE 1"=50'

SHEET 2

Note: This booklet has been reduced in size from the booklet that is used in the Coast Guard exam room. Because of this reduction, you must use the following scale when working problems with this diagram:

1" = 64 feet or 1 centimeter = 2.5 feet

In the Coast Guard exam room, the indicated scale of 1" = 50' should be used.