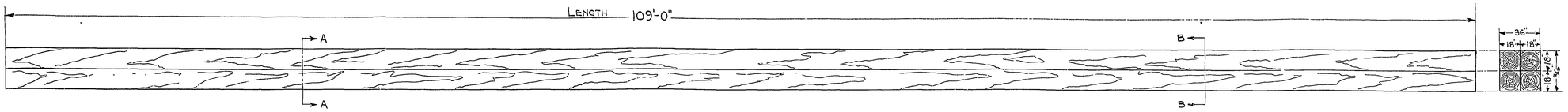
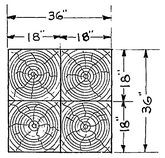
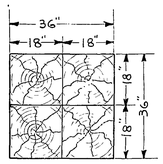




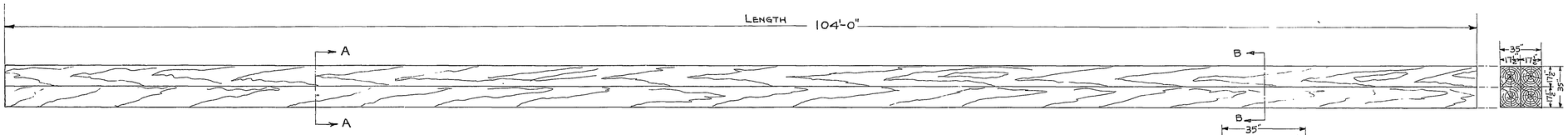
SECTION AT A-A
SCALE: ½" = 1 FT.

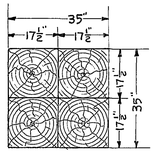
MATERIAL ASSEMBLAGE
FOR
MAIN MAST
SCALE: ¼" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
FOUR TREE HEART SECTIONS.
HEART TO BE IN CENTER OF EACH STICK SECTION.
APPROX. 100 PER CENT BOXED.
1 THUS



SECTION AT B-B
SCALE: ½" = 1 FT.

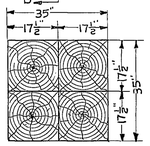




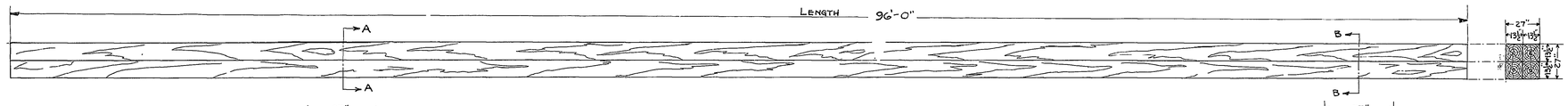
SECTION AT A-A
SCALE: ½" = 1 FT.

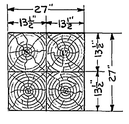
MATERIAL ASSEMBLAGE
FOR
FORE MAST
SCALE: ¼" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
FOUR TREE HEART SECTIONS.
HEART TO BE IN CENTER OF EACH STICK SECTION.
APPROX. 100 PER CENT BOXED.
1 THUS



SECTION AT B-B
SCALE: ½" = 1 FT.

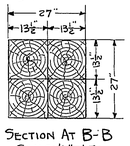




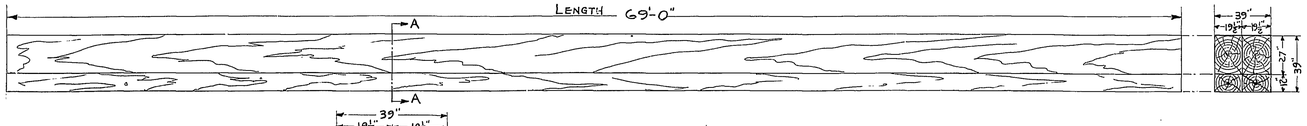
SECTION AT A-A
SCALE: ½" = 1 FT.

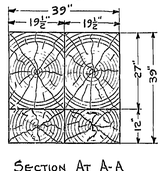
MATERIAL ASSEMBLAGE
FOR
MIZZEN MAST
SCALE: ¼" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
FOUR TREE HEART SECTIONS.
HEART TO BE IN CENTER OF EACH STICK SECTION.
APPROX. 100 PER CENT BOXED.
1 THUS



SECTION AT B-B
SCALE: ½" = 1 FT.

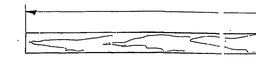


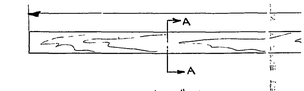


SECTION AT A-A
SCALE: ½" = 1 FT.

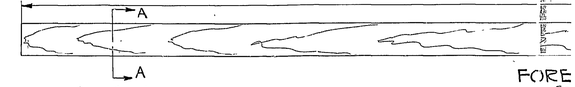
MATERIAL ASSEMBLAGE
FOR
BOWSPRIT
SCALE: ¼" = 1 FT.

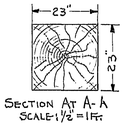
MATERIAL OREGON PINE OR DOUGLAS FIR.
FOUR TREE HEART SECTIONS.
HEART TO BE IN CENTER OF EACH STICK SECTION.
APPROX. 100 PER CENT BOXED.
1 THUS





SECTION AT A-A
SCALE: ½" = 1 FT.

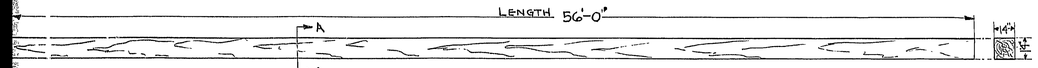




SECTION AT A-A
SCALE: 1½" = 1 FT.

FORE
SC
MATERIAL OREGON
MATERIAL MUST
HEART TO BE IN C
APPROX. 100 PER C
1 THUS

IN CHARGE OF WORK: JOHN A. LORD, LIEUT. (C.C.) U.S.N.
DRAWN BY: JOHN A. LORD, LIEUT. (C.C.) U.S.N. & M. CUNHA
TRACED BY: M. CUNHA

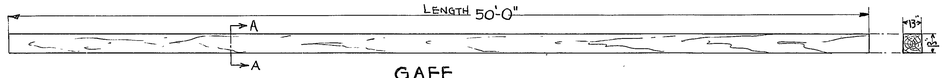


SPANKER MAST

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL SQUARE OR 8 SQUARED.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS

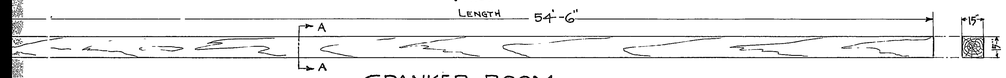


GAFF

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL SQUARE OR 8 SQUARED.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS

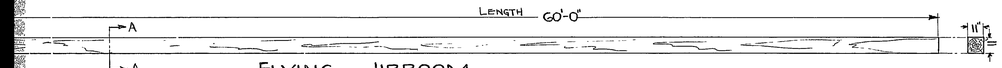


SPANKER BOOM

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL SQUARE OR 8 SQUARED.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS

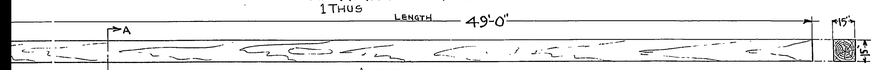


FLYING JIBBOOM

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL SQUARE OR 8 SQUARED.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS

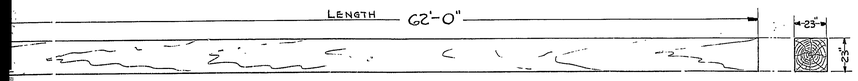


JIBBOOM

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

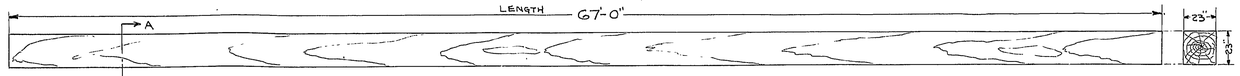
MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL SQUARE OR 8 SQUARED.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS



FORE TOPMAST

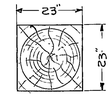
SCALE: 1/4" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL MUST BE SQUARE.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS



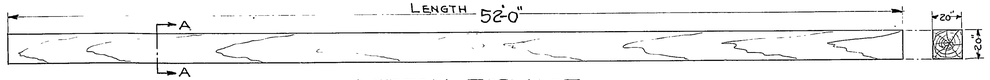
MAIN TOPMAST

SCALE: 1/4" = 1 FT.



SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL MUST BE SQUARE.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS

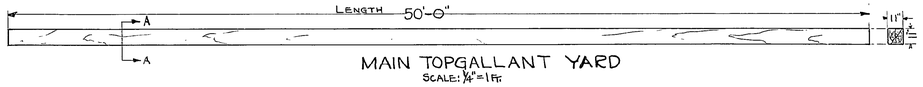


MIZZEN TOPMAST

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL MUST BE SQUARE.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS



MAIN TOPGALLANT YARD

SCALE: 1/4" = 1 FT.

SECTION AT A-A
SCALE: 1/2" = 1 FT.

MATERIAL OREGON PINE OR DOUGLAS FIR.
MATERIAL MUST BE SQUARE.
HEART TO BE IN CENTER OF TIMBER.
APPROX. 100 PER CENT BOXED.
1 THUS

SPECIFICATIONS
FOR
MASTS, BOWSPRIT, TOPMASTS, YARD, BOOMS & GAFF

LOWER MASTS AND BOWSPRIT OF DOUGLAS FIR OR OREGON PINE, TO BE AS PER DIMENSIONS SHOWN ON ASSEMBLY PLAN, LOWER MASTS TO BE OF THE BUILT UP TYPE, CONSISTING OF FOUR TREE HEART SECTIONS. MATERIAL MUST BE OF THE BEST QUALITY AVAILABLE TO ASSIST IN MAKING PERFECT ALIGNMENT OF ALL FAYING SURFACES AND PROPER LONGITUDINAL SEAMS. THE HEART TO BE APPROXIMATELY 100% BOXED.

MATERIAL TO BE SELECTED SOUND STOCK, CLOSE GRAINED, OLD YELLOW GROWTH, FREE FROM LARGE PITCH POCKETS, TWISTED GROWTH, WIND SHAKES, FREE OF CLUSTER KNOTS AND AS FEW SMALL KNOTS AS MAY BE OBTAINABLE.

SHIPMENT OF MATERIAL FOR LOWER MASTS AND BOWSPRIT CONSISTING OF FOUR TREE HEART SECTIONS FOR EACH MAST AND BOWSPRIT TO BE ROUGHLY ASSEMBLED IN A TRUE HORIZONTAL PLANE AND PROPERLY LASHED TO PREVENT CHAFING, AND DISTORTION IN SHIPMENT. MATERIAL TO BE OILED TO PREVENT CHECKING.

THE U.S. FRIGATE CONSTITUTION UPON HER COMPLETION WILL BECOME A FLOATING MUSEUM VISITING THE VARIOUS ACCESSABLE SEAPORTS OF THE COUNTRY. IT IS THEREFORE DISIREABLE THAT THE FINEST MATERIAL AVAILABLE BE OBTAINED AS LONGEVITY AND WORKMANSHIP IS AN OUTSTANDING FEATURE OF THE REBUILDING, REFLECTING MUCH PATRIOTIC CREDIT UPON THOSE SUPPLYING MATERIAL ENTERING INTO THE RE-CONSTRUCTION OF THE WORLD'S MOST NOTED SHIP.

RESTORATION 1927

U.S. FRIGATE CONSTITUTION

ASSEMBLAGE OF MATERIAL FOR BUILDING MASTS, TOPMASTS & BOOMS

SHEET NO. 1 (2 SHEETS)

NAVY YARD, BOSTON. SEPT. 1928

SCALE: 1/4 & 1/2 = 1 FT.

APPROVED FOR MANAGER

John O. Lord

LIEUT. (C.C.) U.S.N.
SUPT. OF RESTORATION

No. 25313