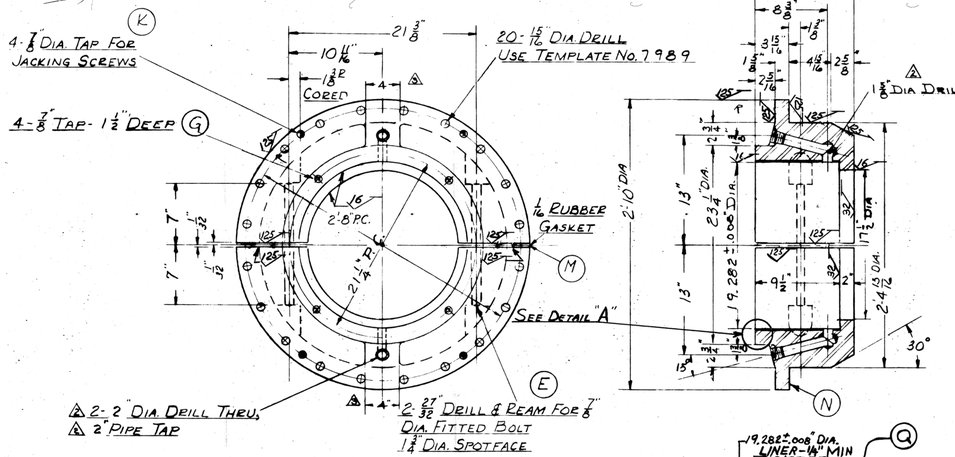
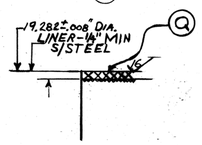
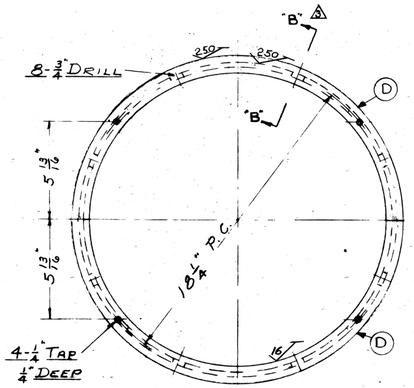
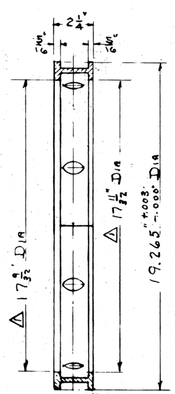


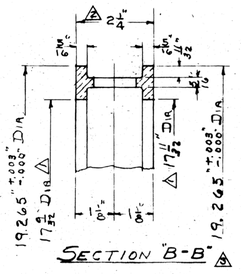
(A) STUFFING BOX-IN HALVES STEEL CASTING
2 THUS COMPLETE PATT. NO. 26815
EST. FINISHED WT. ⚠5
SCALE 1½" = 1'



DETAIL - "A" ⚠5 ⚠6

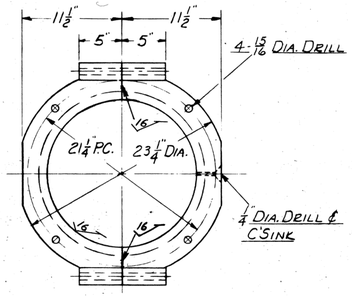


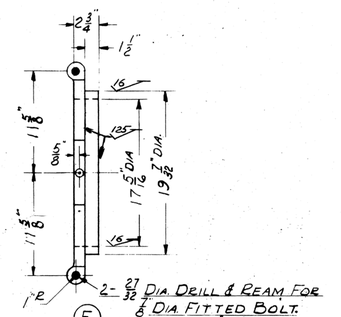


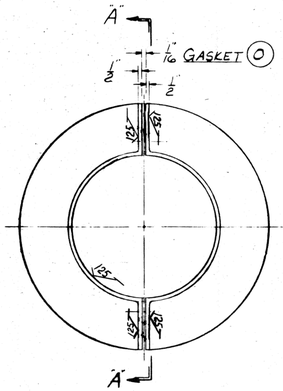


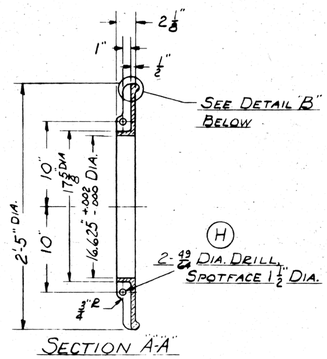
SECTION "B-B" ⚠5
SCALE ½" = 1"

(B) PACKING GLAND-IN HALVES — BRONZE
2 THUS COMPLETE PATT. NO. 26816
EST. FINISHED WT. ⚠5
SCALE 1½" = 1'



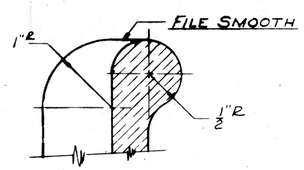




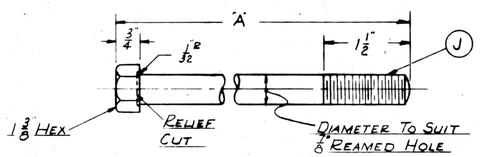


SECTION A-A

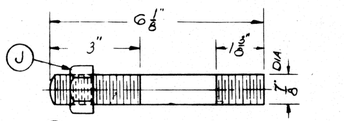
(C) FLINGER RING IN HALVES BRONZE
2 THUS COMPLETE PATT. NO. 26817
EST. FINISHED WT. ⚠5
SCALE 1½" = 1'



DETAIL "B"
SCALE 1" = 1"



FITTED BOLT - STAINLESS STEEL
⚠4 (E) 4 THUS "A" = 15¾" LONG
(F) 4 THUS "A" = 11¾" LONG
NTS



(G) STUD - STAINLESS STEEL
8 THUS
NTS

BILL OF MATERIAL

SPARES	ITEM LETR	No. REQD	NAME	PATT. NO.	MATERIAL	
	A	4	HALF STUFFING BOX	26815	B-Q	CAST STEEL
2	B	4	HALF PACKING GLAND	26816	C-Q	BRONZE
	C	4	HALF FLINGER RING	26817	C-Q	BRONZE
	D	4	HALF WATER RING	26818	C-Q	BRONZE
⚠4	E	4	FITTED BOLT, 1⅜" HEX, 15¾" LONG		F-Q	STAINLESS STEEL
2	F	4	FITTED BOLT, 1⅜ HEX, 11¾" LONG		F-Q	STAINLESS STEEL
4	G	8	⅞ DIA. STUD, 6⅛ LONG		F-Q	STAINLESS STEEL
	H	4	¾" BOLT, HEX. HD. & NUT 2" LONG		K-Q	STAINLESS STEEL
	I					
6	J	16	⅞ STD. HEX NUT		K-Q	STAINLESS STEEL
⚠1	K	8	⅞ SET SCREW-SQ HD-OVAL PT. 4½" LG		K	S/S
	L					
	M	4	GASKET 8¼" x 1/16" x 11½"		M-1	RUBBER
	N	2	GASKET 2'-10" O.D x 2'-4 15/16" I.D x 1/16" TK.		M-1	RUBBER
	O	4	GASKET 2⅝" x 1/16 x 6 9/16"		M-1	RUBBER
	P	2	FLAX PACKING 1" SQ. x 34'-0" LG		Q	FLAX
⚠6 ⚠5	Q	2	LINER-¼" MIN TYPE 316L			STAINLESS STEEL
	R					
	S					
	T					
	U					
	V					
	W					
	X					
	Y					
	Z					

NOTES:
STUFFING BOX, ITEM (A), TO BE FEDERAL SPECIFICATION QQ-S-681d, CLASS 65-35, ANNEALED. PACKING GLAND, ITEM (B); FLINGER RING, ITEM (C); & WATER RING, ITEM (D), TO BE: ASTM B143-LEADED TIN BRONZE, ALLOY No. 2B.

⚠4 ITEMS (E)(F)(G)(H) & (J) TO BE STAINLESS STEEL TYPE 304.
ITEM (K) TO BE STD. COMMERCIAL MATERIAL.
GASKETS (M)(N) & (O) TO BE DUCK INSERTED RUBBER.
PACKING (P) TO BE FLAX - FEDERAL SPECIFICATION HH-P-106 C.
ALL PATTERN & TEMPLATES TO BE BOXED OR CRATED & FURNISHED TO GOVERNMENT IN ACCORDANCE WITH SPECIFICATIONS

⚠6 ITEM (Q) TO BE: ASTM A240 GRADE CF-8M

⚠5 STAINLESS STEEL TYPE 316L

⚠1 ~~PROPERTIES:~~

	MIN.	MAX.
TIN	88.25	—
ANTIMONY	7.00	8.00
LEAD	—	0.50
COPPER	3.00	4.00

A.B.S. APPROVAL NOT REQ'D
U.S.C.G. APPROVAL NOT REQ'D
APPRVD. — BETH. STEEL CORP. 3-8-65

BETHLEHEM STEEL CORPORATION
SPARROWS POINT, MARYLAND
HULL NO. 4608

HULL NO. 333
SEAGOING HOPPER AND BOOM TYPE
DREDGE — McFARLAND
U.S. ARMY ENGINEER DISTRICT
PHILADELPHIA
CORPS OF ENGINEERS
MARINE DESIGN DIVISION
PHILADELPHIA, PA.

CONTRACT NO. 30250-4
ELLICOTT MACHINE CORPORATION
BALTIMORE, MD.

STUFFING BOX, GLAND, FLINGER RING, ETC.
FOR DREDGING PUMP

DRAWN BY CPS. APPROVED CL
TRACED BY APPROVED FJS
CHECKED BY J.N.S. SCALE AS SHOWN
CHIEF ENGINEER DATE 12-31-64

DRG. NO. 47493 REV 6

9-7-1144

STANDARD MANUFACTURING TOLERANCES UNLESS OTHERWISE SPECIFIED
MACHINED SURFACES ± .015"
SHEARED OR BURNED SURFACES ± 1/32"

CHG. NO.	ALT. NO.	DESCRIPTION	DATE	BY	CH'D
	⚠7	CH. (K) TO S/S	9 MAY 74	MAY	HW
	⚠6	REPL. BABBITT W/316L UPDATED FINISH MARKS	3 OCT 73	J.C.N.	HW
	⚠5	ADDED ITEM (Q) AND DETAIL "A" WTS. DELETED	18 DEC 67	J.A.Z.	HW
86	⚠4	ON ITEM "E" 15 3/4" WAS 15" ON ITEM "F" 11 3/4" WAS 11"	7-27-65	J.L.S.	J.N.S.
588	⚠3	4" DIMENSION ADDED SECTION "B-B" WAS "A-A"	2-3-65	D.H.W.	J.N.S.
481	⚠2	1 5/8" DRILL ADDED. 2¾" WAS 2½", 2" PIPE WAS 1½" & 2" DRILL WAS 1⅝" DRILL	11/23/65	J.N.S.	—
421	⚠1	BORE OF WATER RING CHANGED	1/4/68	J.N.S.	CL

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G-4