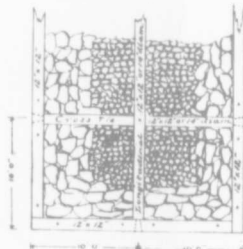
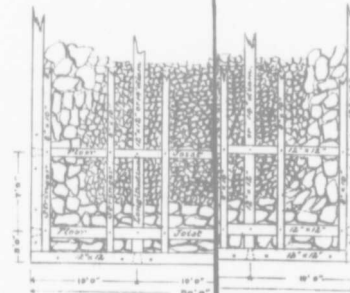


-TABLE OF QUANTITIES-
-AND-
-PLAN-
OF
-CRIBWORK PIERS-

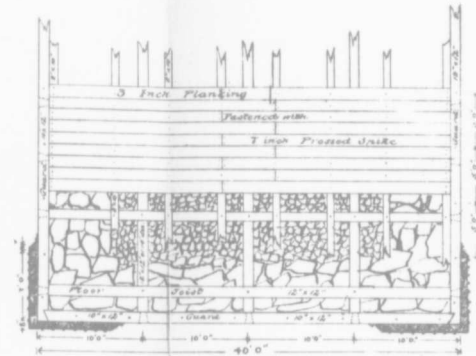
BY WARNER, AM. CAN. SOC. C. E.



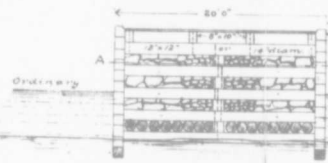
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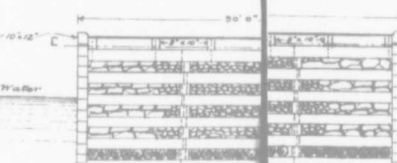
-PLAN AT C D-



-PLAN-



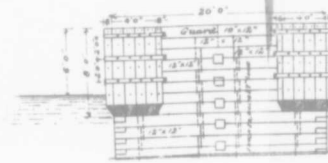
-CROSS SECTION-



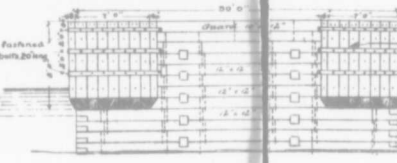
-CROSS SECTION-



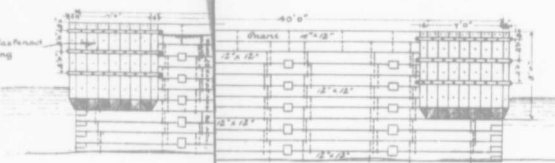
-LONGITUDINAL ELEVATION AND SECTION-



-END ELEVATION-



-END ELEVATION-



-END ELEVATION-

SIZE OF CRIB	CRIB										DALLAST FLOOR				FLOORING				SHEATHING												
	FACE TIMBERS 12 x 12 F.M.	BOLTS 1/2" dia 100 lbs	CROSS TIES 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	LONGITUDINALS 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	STONE cubic yards	4 x 12 DOLTS 100 lbs	GUARD 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	CROSS TIES 2 x 4 100 lbs	LONGITUDINALS 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	POLES 2 x 4 100 lbs	JOISTS 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	STRINGERS 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	GUARD 2 x 4 100 lbs	BOLTS 1/2" dia 100 lbs	3 PLANK 2 x 4 100 lbs	SPIKE T Pressed lbs	HARDWOOD F.M.	BOLTS 1/2" dia 100 lbs	STEAK 1/2" dia 100 lbs	BOLTS 1/2" dia 100 lbs					
10' x 20'	480	604E	216	18	4.76	120	10	4.76	11.92	960	12128	400	592	4.96	58	120	10	10.03	196	4.56	10.03	2.5872	3724	200	19.6	514.8	17.35	1182	238.08	383.5	210.3
10' x 25'	-	-	270	22.5	4.76	120	10	4.76	15.355	1200	12128	500	43	5.70	47.5	120	10	10.03	260	5.70	10.03	323.4	4655	200	18.6	657.3	23.46	1408	28748	583.3	252
10' x 30'	-	-	324	27	3.52	240	20	3.52	18.364	1440	15132	600	28.5	6.84	57	240	20	20.10	310	6.84	20.10	585.08	55.86	200	19.4	800.8	26.35	1820	38488	865.5	336
10' x 35'	-	-	378	31.5	3.52	240	20	3.52	21.80	1680	15132	700	68.5	7.8	66.5	240	20	20.10	370	7.8	20.10	452.76	66.17	200	19.6	943.8	29.25	1920	50088	865.5	356
10' x 40'	-	-	432	36	4.28	360	30	4.28	24.85	1920	242.5	800	78.5	8.2	76	360	30	30.15	420	8.2	30.15	517.44	74.48	200	18.6	1056.8	33.18	1920	58088	865.5	366
10' x 50'	-	-	540	45	18.04	480	40	19.04	31.31	2400	303.2	1000	98	11.4	95	480	40	40.20	520	11.4	40.20	614.8	92.10	200	18.6	1272.8	40.35	1920	58088	865.5	376
10' x 60'	-	-	648	54	25.81	600	50	26.81	37.77	2880	365.5	1200	117.5	13.68	114	600	50	50.25	620	13.68	50.25	776.16	111.72	200	18.6	1578.8	46.80	1920	58088	865.5	386
CRIB QUANT.	Multiplied by $\frac{D \times L}{20 \times 20}$		Multiplied by $\frac{D \times L}{25 \times 25}$		Multiplied by $\frac{D \times L}{30 \times 30}$		Multiplied by $\frac{D \times L}{35 \times 35}$		Multiplied by $\frac{D \times L}{40 \times 40}$		Multiplied by $\frac{D \times L}{50 \times 50}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		Multiplied by $\frac{D \times L}{60 \times 60}$		

-WEIGHT OF BOLTS-

Bolts for Face Timbers (1/2" dia)	2.58 lbs
" " Cross Ties (1/2" dia)	3.28 "
" " Longitudinals (1/2" dia)	" "
" " Guard (1/2" dia)	4.9 "
" " Stringers (1/2" dia)	4.9 "
" " Sheathing (1/2" dia)	2.48 "
" " from stringers (1/2" dia)	2.88 "
Spike for Planking Thread	4.5 lbs.

-NOTES-

Depth of Crib is taken as being from bottom of Guard to bottom of lowest face timber, see G, H in Cross-section and Longitudinal Elevation.

In taking out quantities for Crib's inner depth in the formula $\frac{D \times L}{20}$, the decimal is omitted, i.e. Crib, 17'0" depth, $\frac{17 \times 25}{20}$.

Quantities for Cross Ties and Longitudinals are given for both square and round timber.

-MEANING OF SYMBOLS-

D = given depth of Crib in feet

L = given length of Crib in feet

Q = quantities required