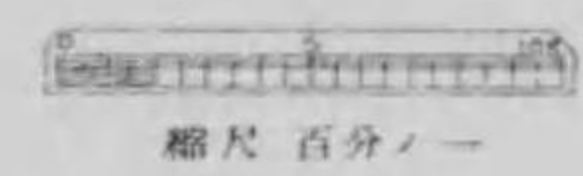


4

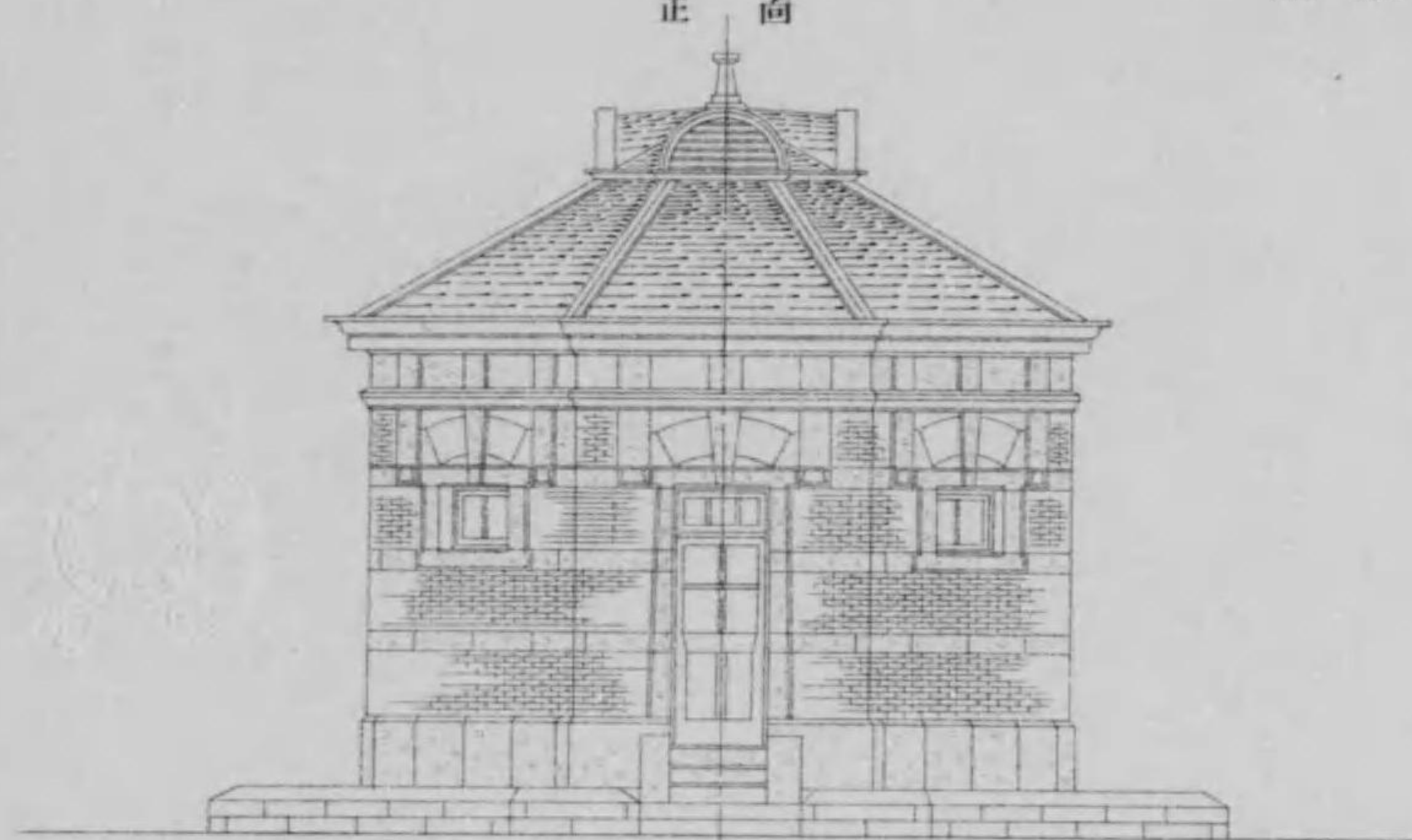
西谷淨水場構造圖其十一

第八拾三號

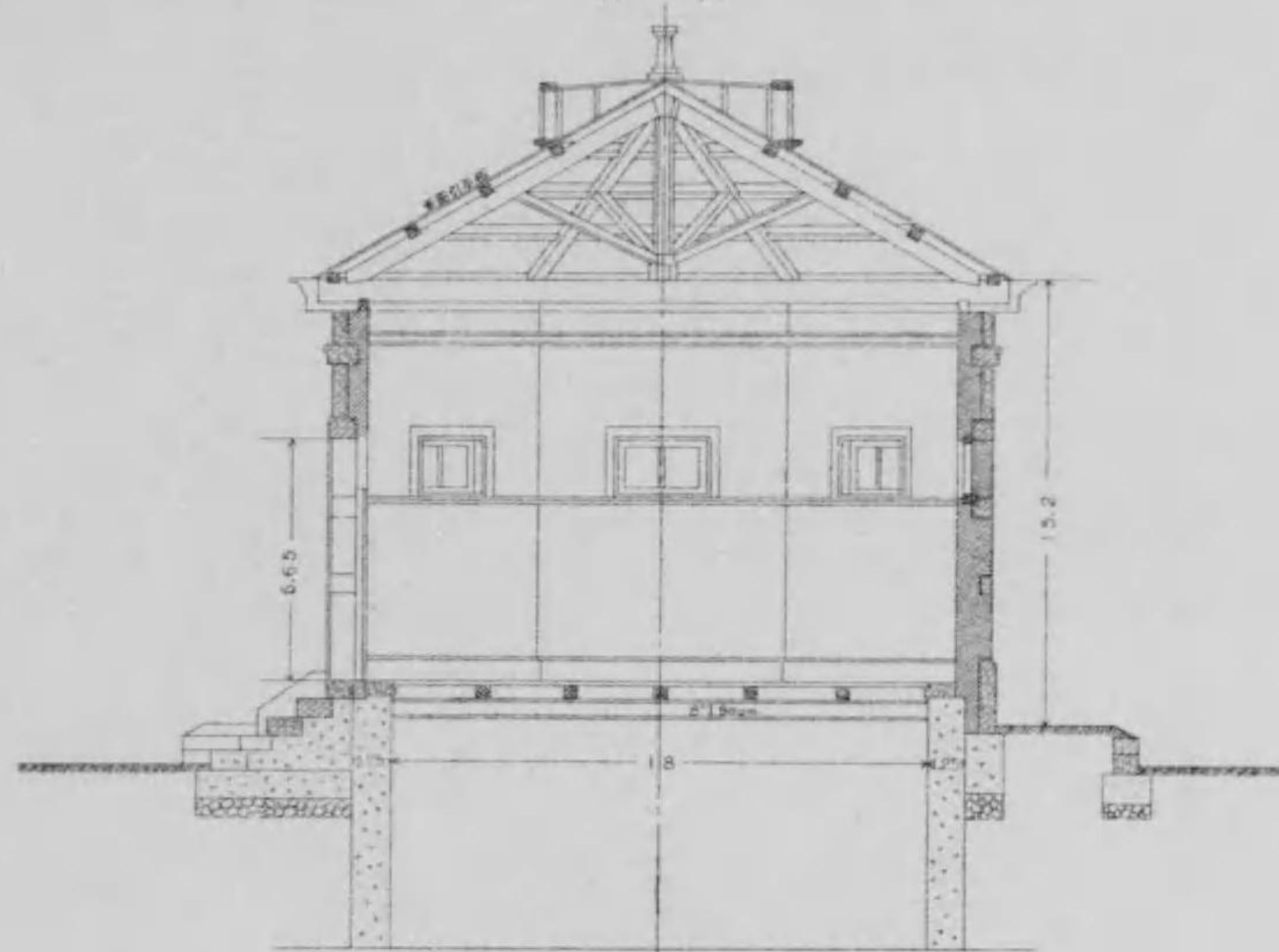
配水井上屋



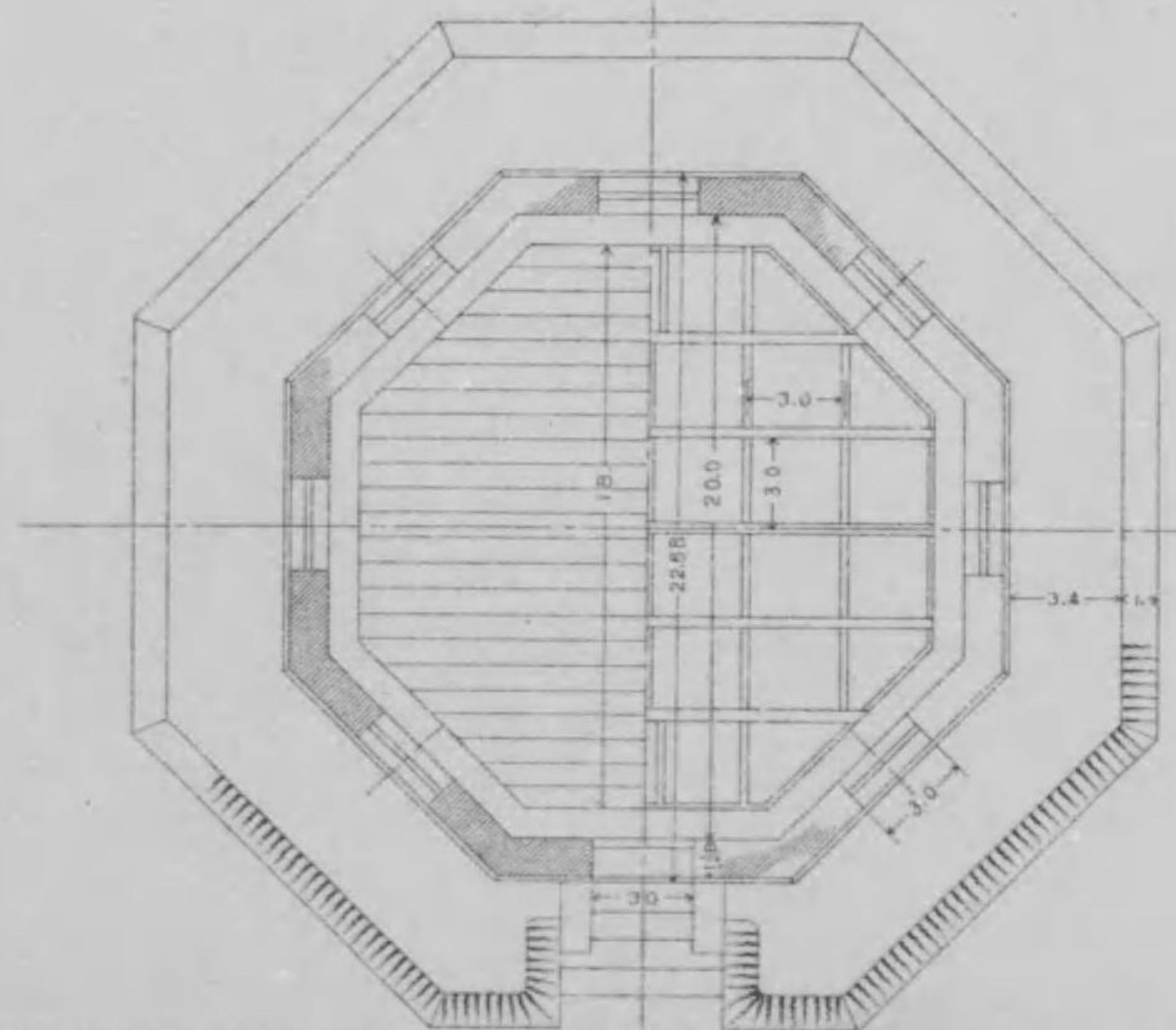
正面



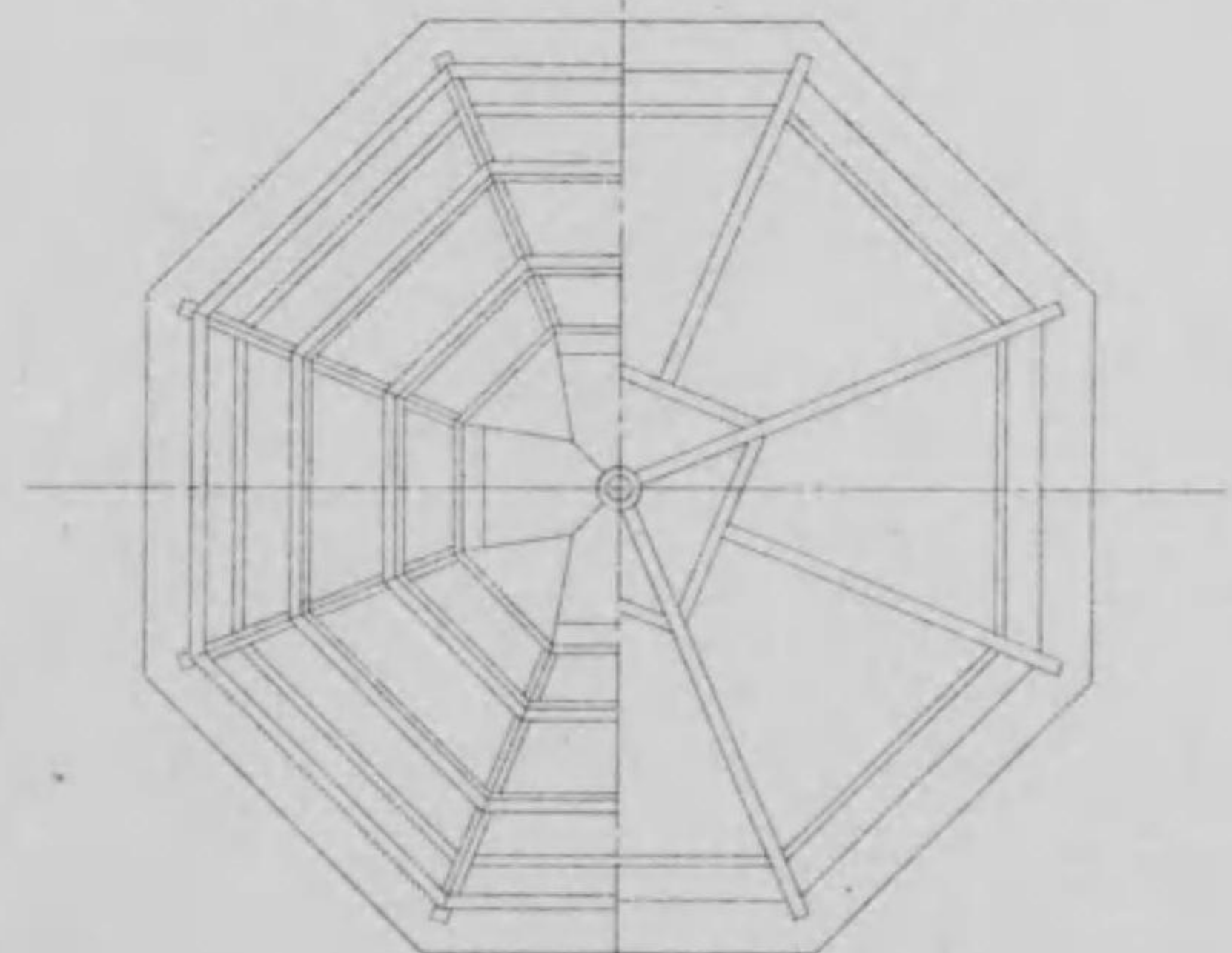
断面



平面

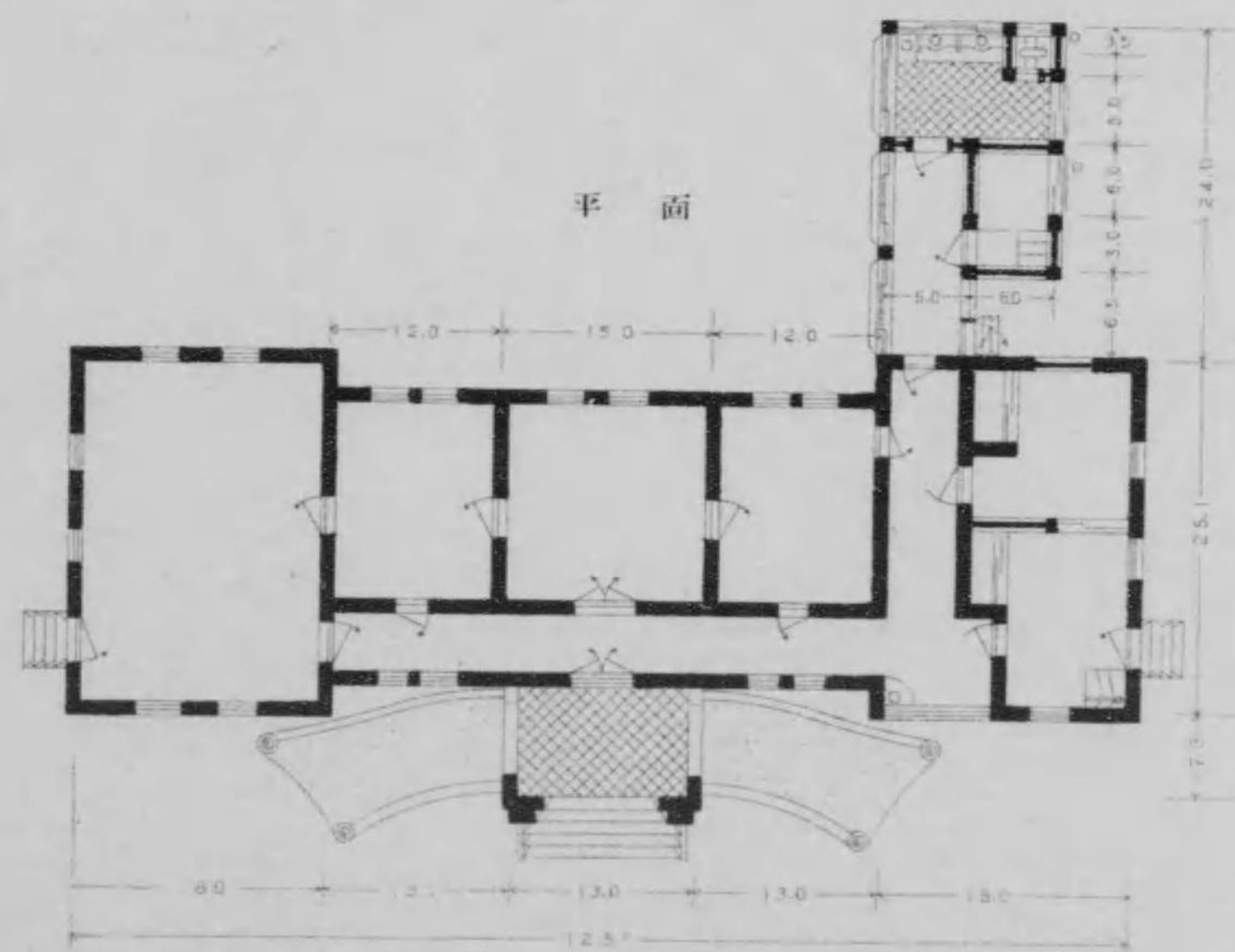
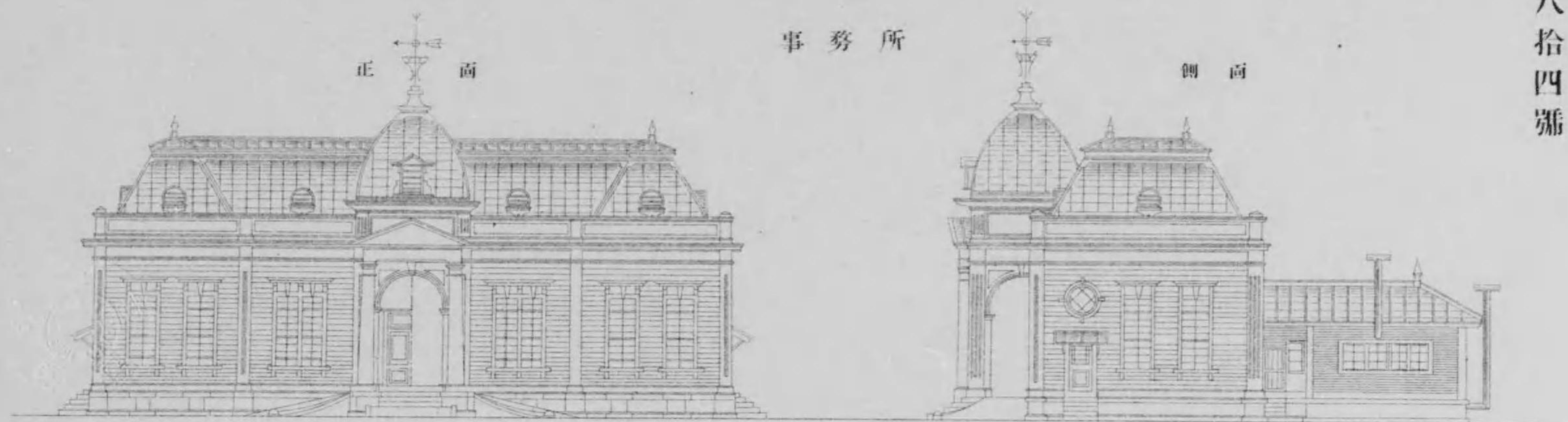


小屋伏



西谷淨水場構造圖其十二

第八拾四號

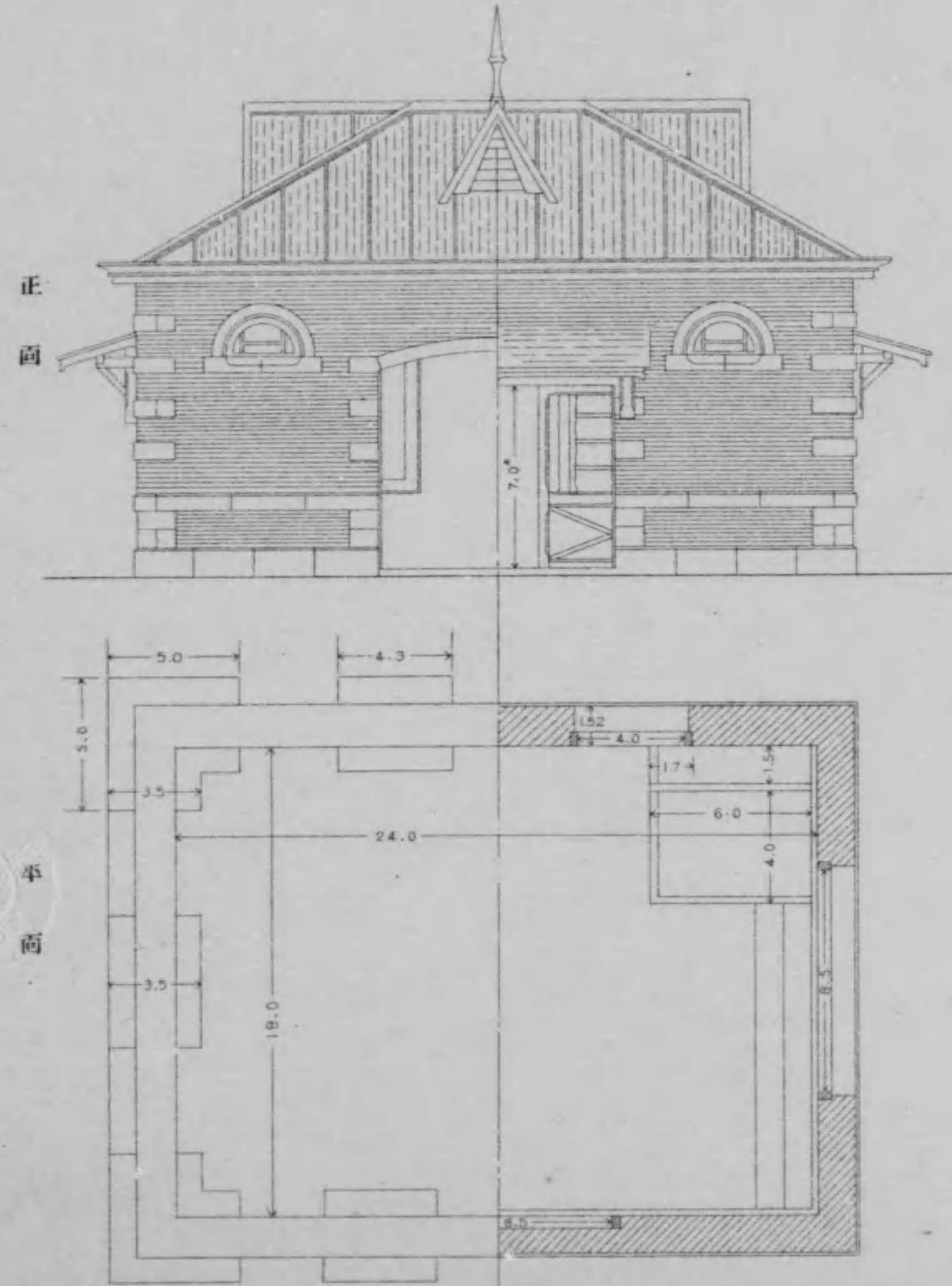
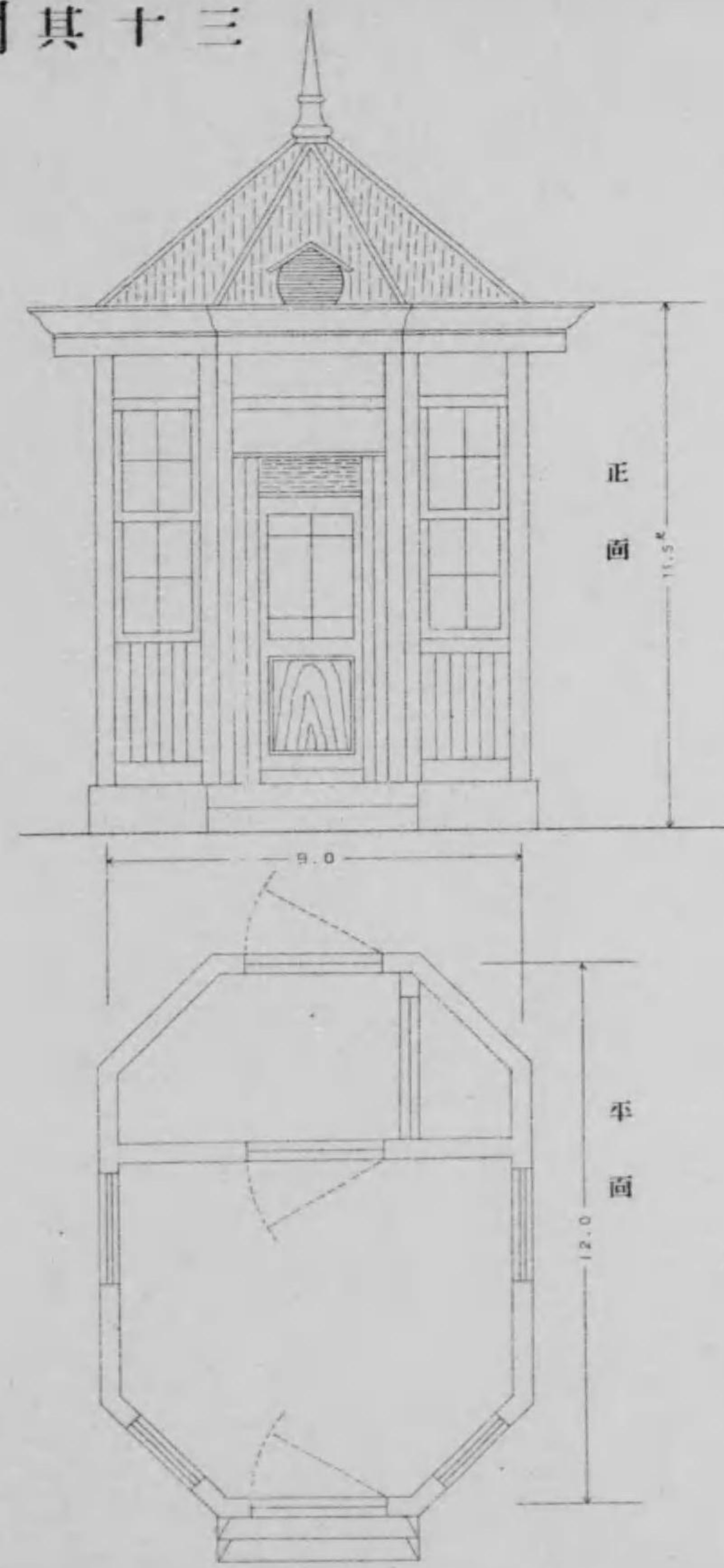


西谷淨水場構造圖其十三

第八拾五號

門番所

縮尺五十分之一



鍛冶小屋

縮尺八十分之一

平面

平面

西谷淨水場構造圖 其十四

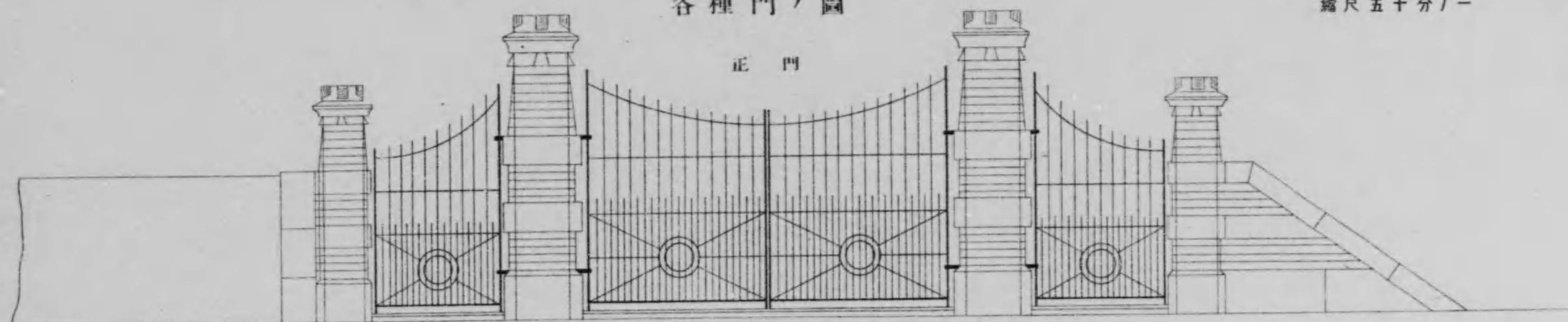
第八拾六號

各種門 / 圖

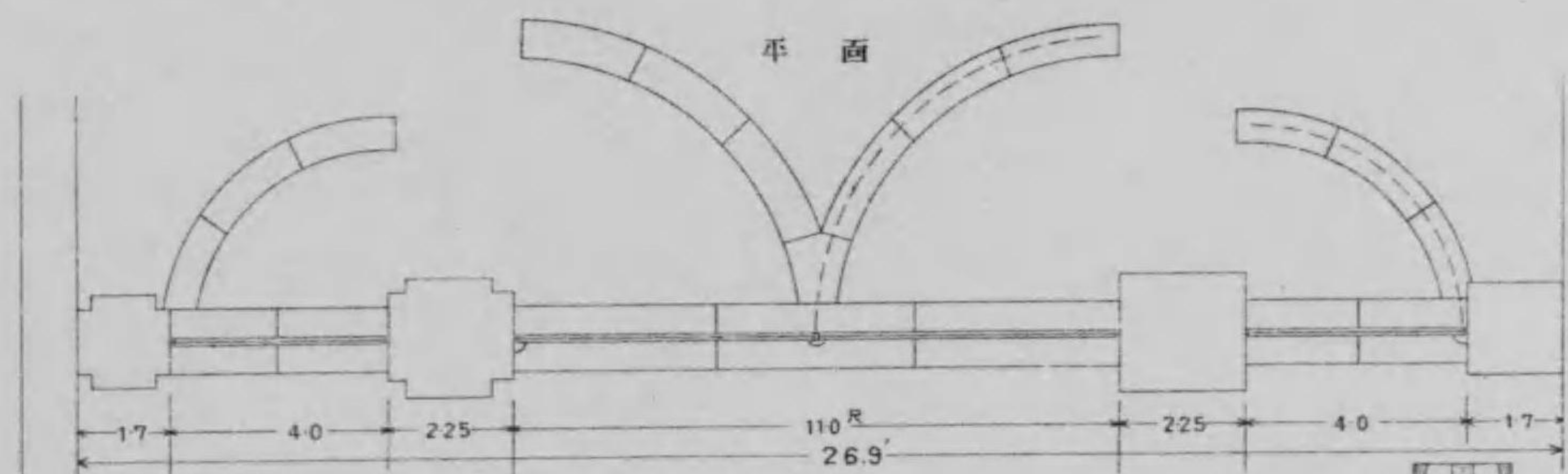


縮尺五十分 / 一

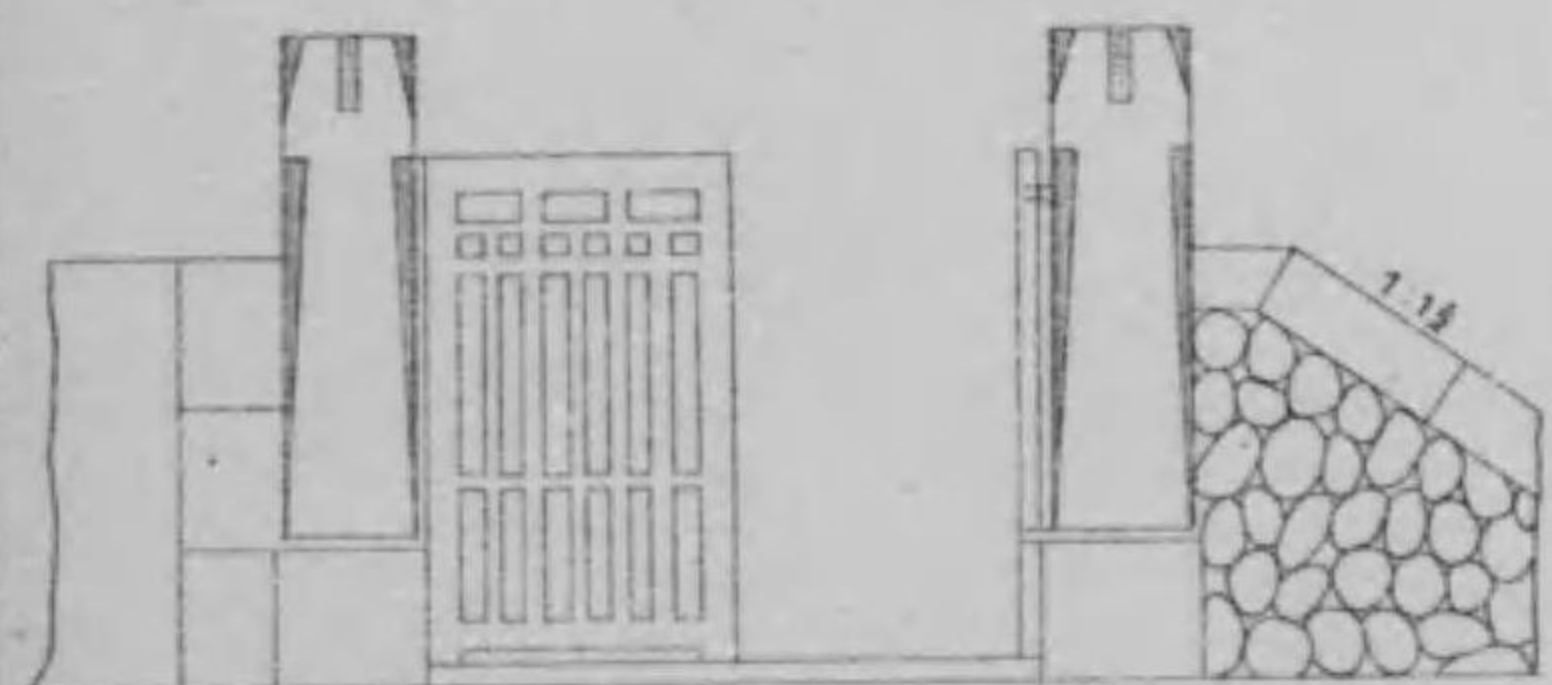
正門



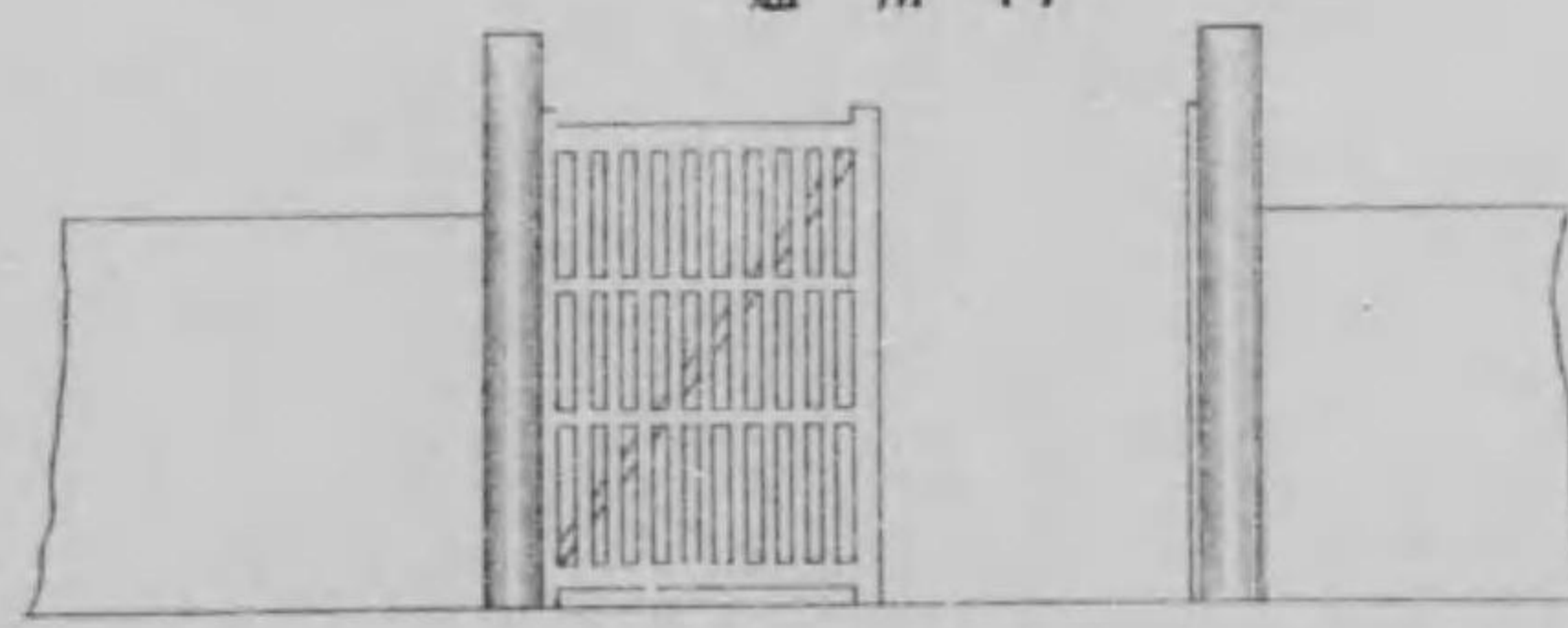
平面



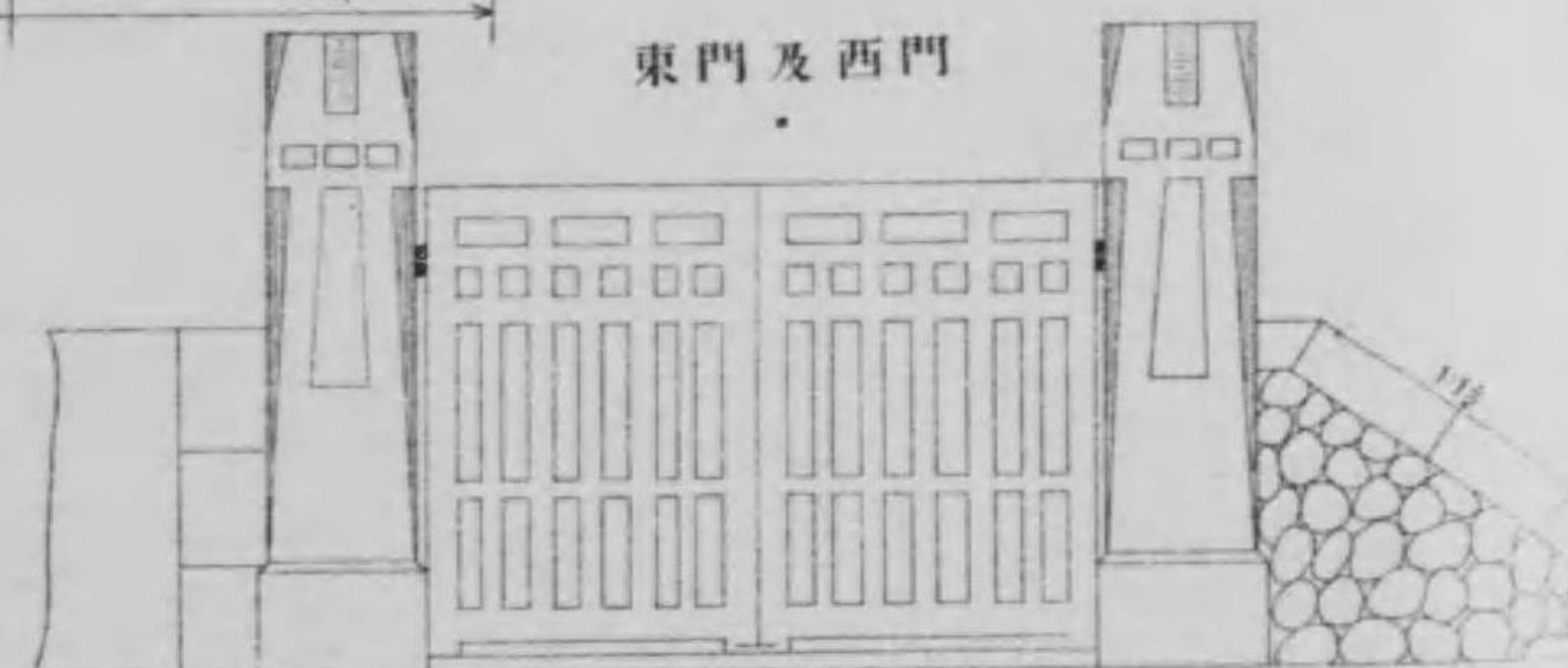
北門



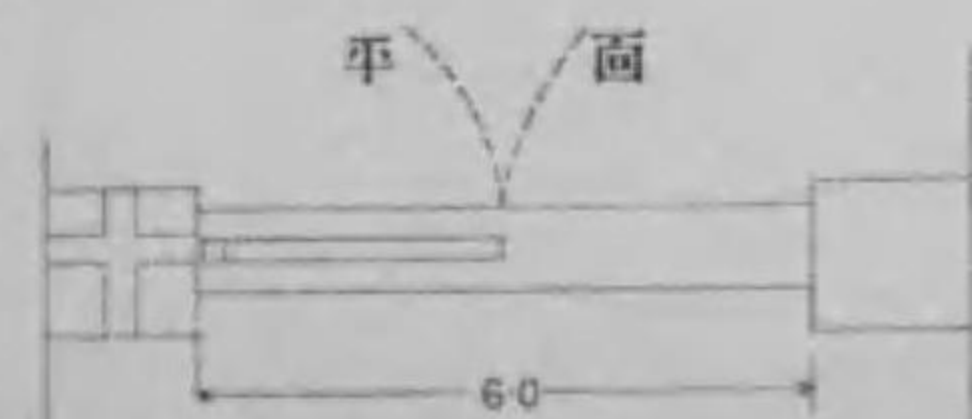
通用門



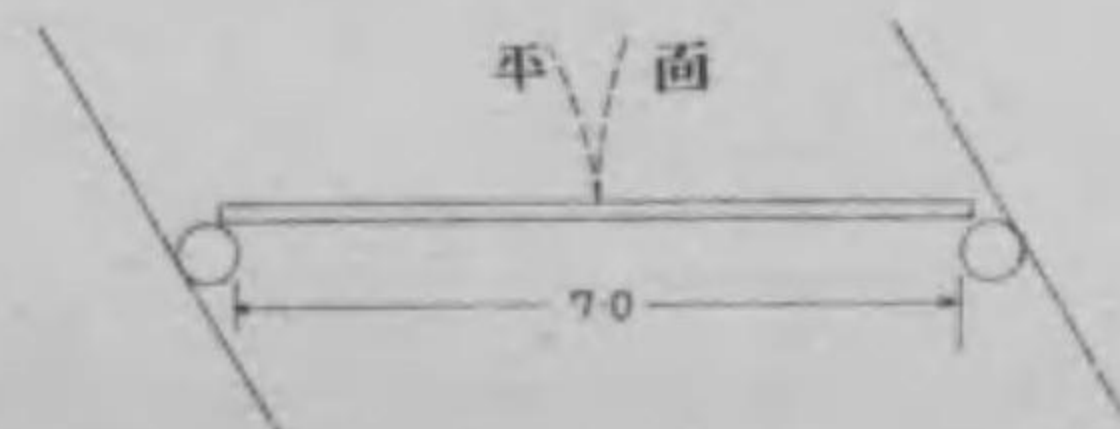
東門及西門



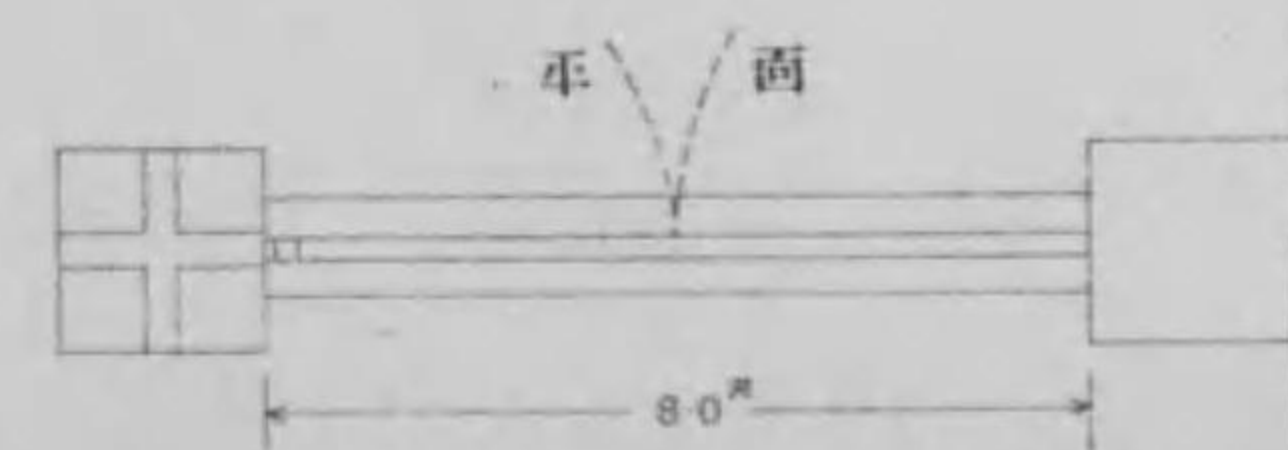
平面



平面



平面

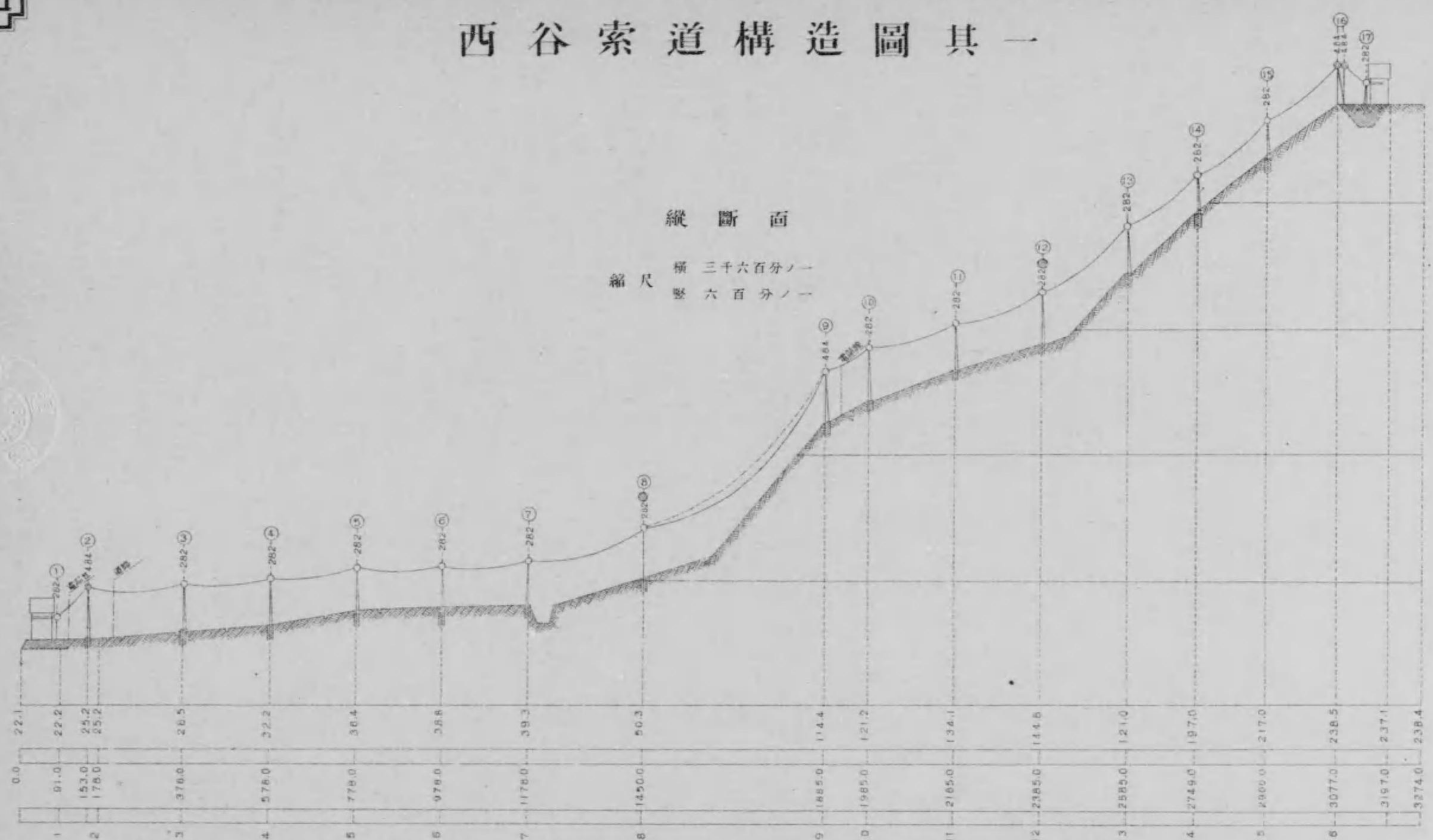


西谷索道構造圖其一

第八拾七號

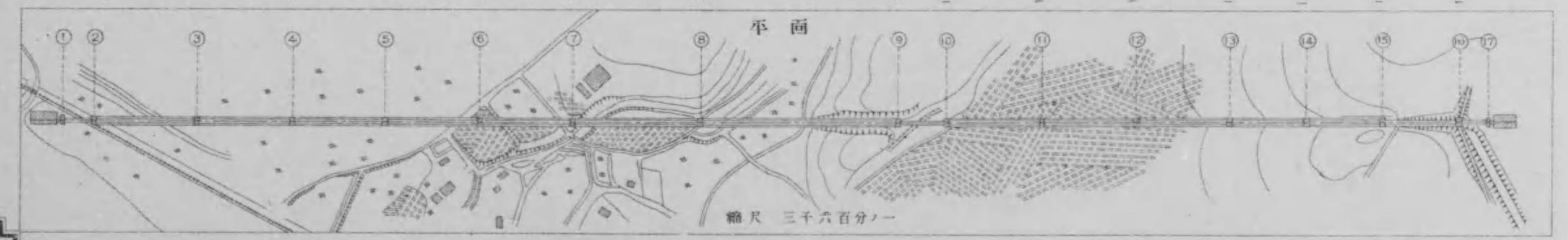
縱斷面

縮尺 橫 三千六百分ノ一
 縱 六百分ノ一



平面

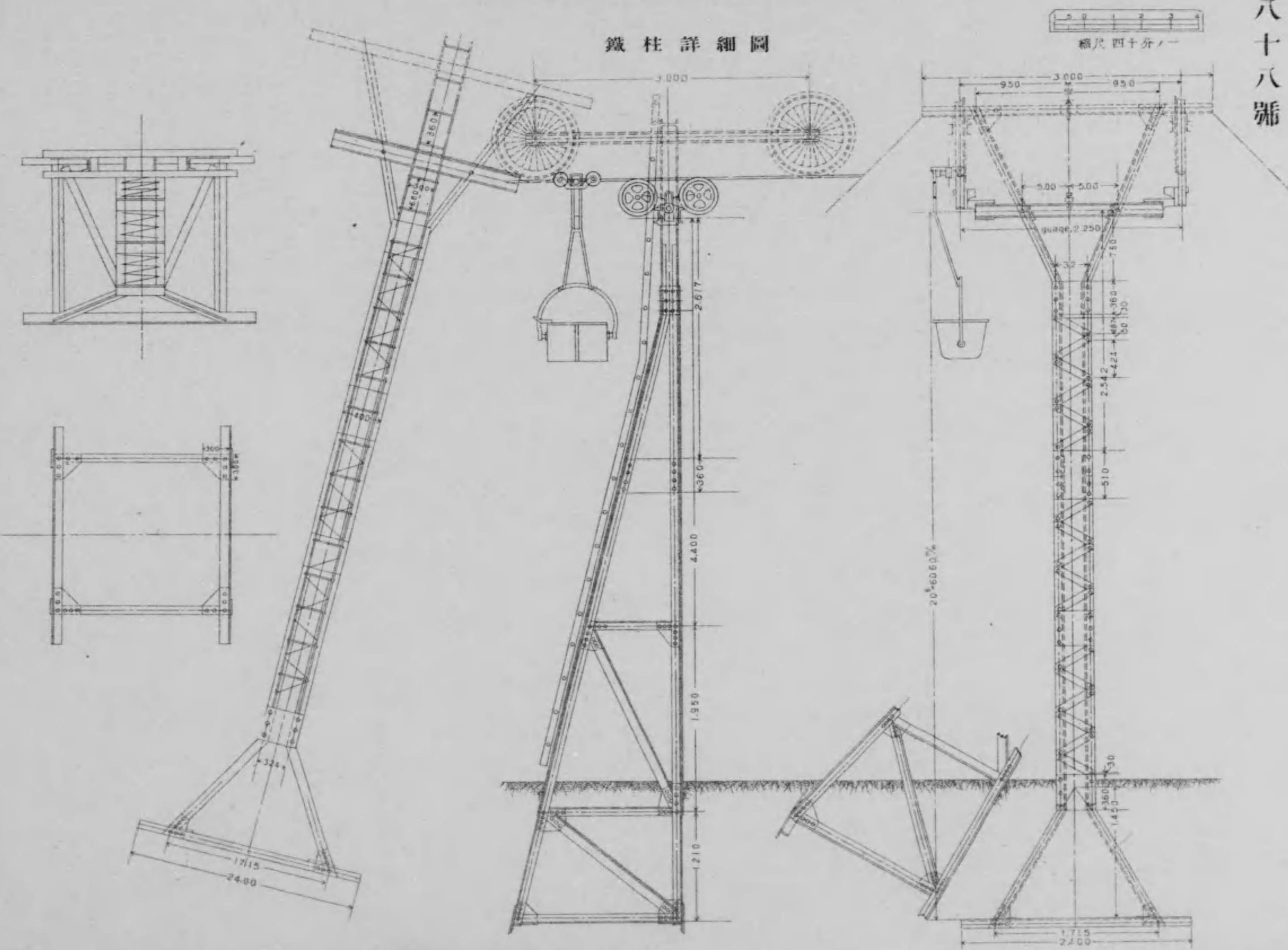
縮尺 三千六百分ノ一



西谷索道構造圖其二

第八十八號

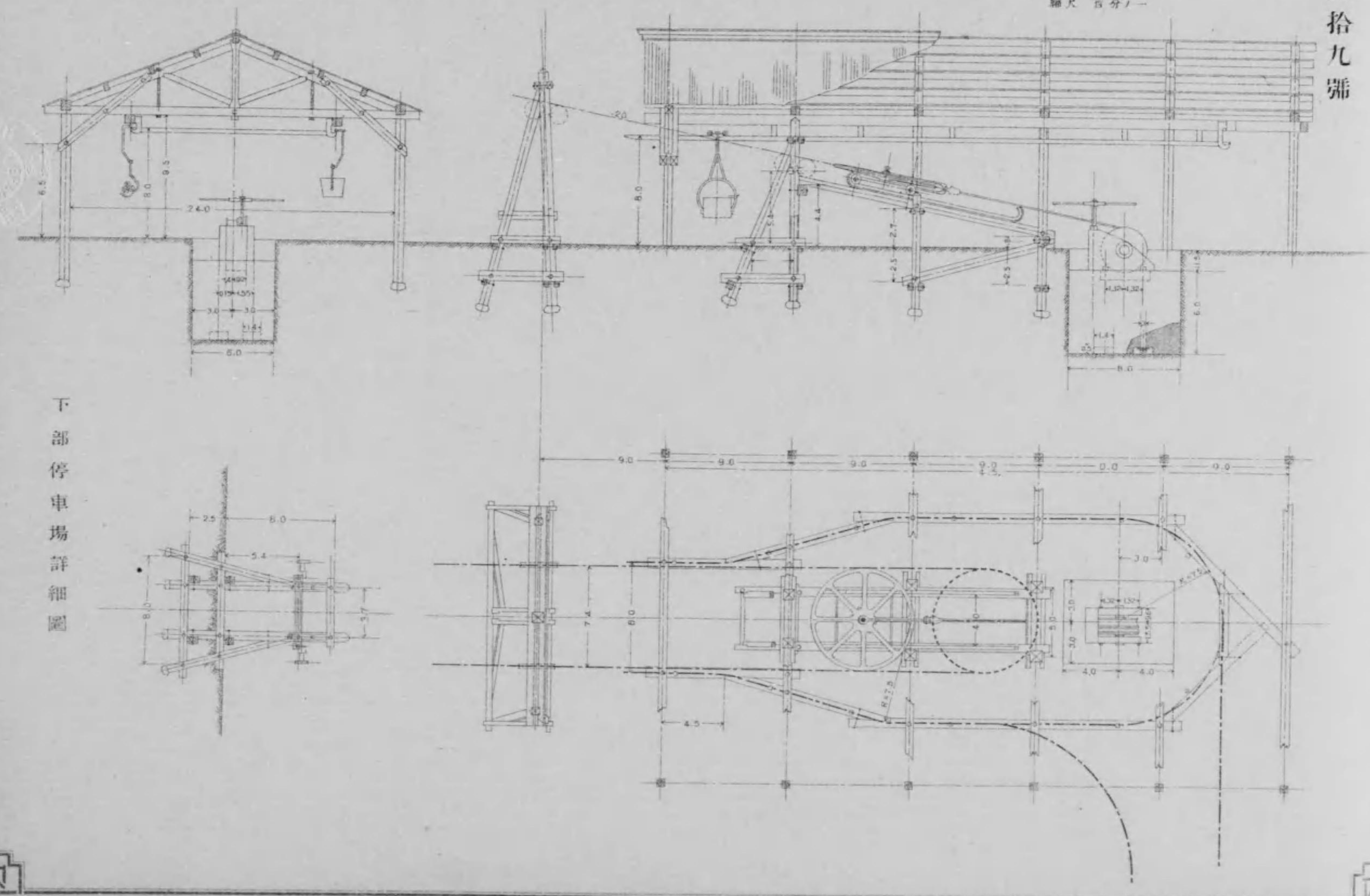
鐵柱詳細圖



四谷索道構造圖其三

第八拾九號

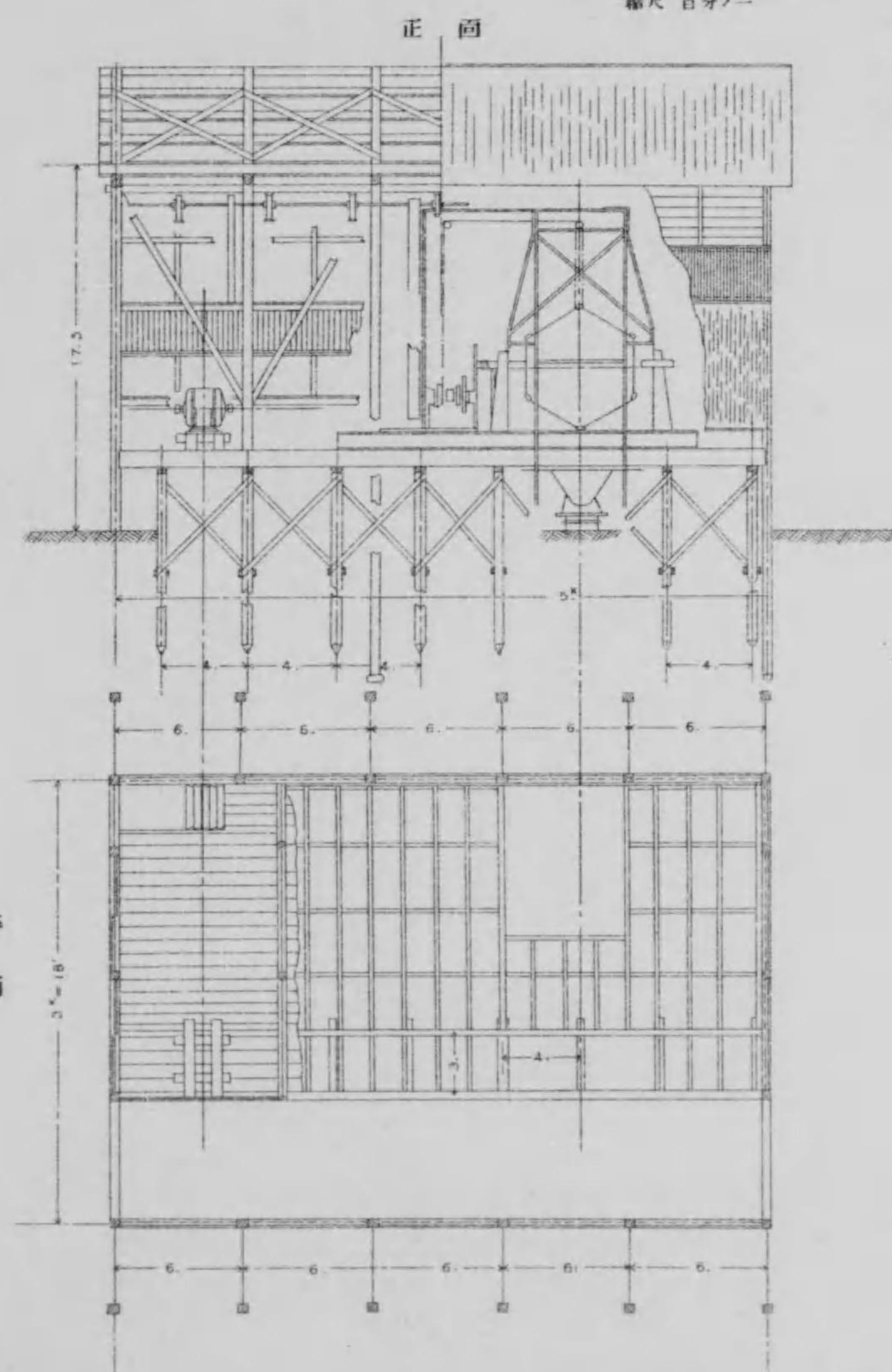
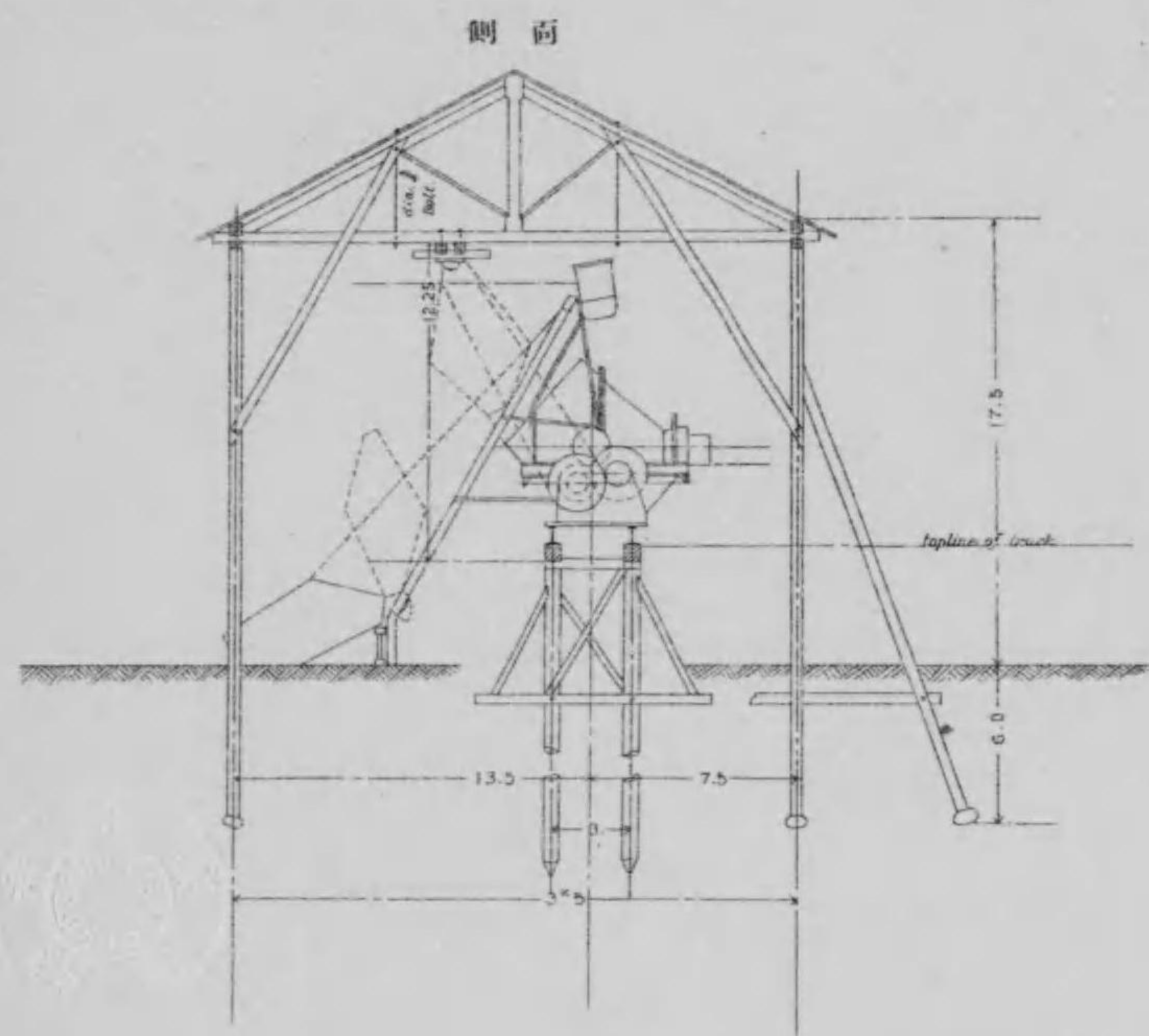
縮尺 百分之一



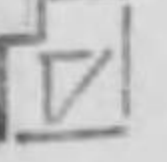
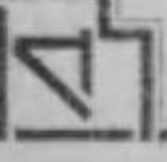
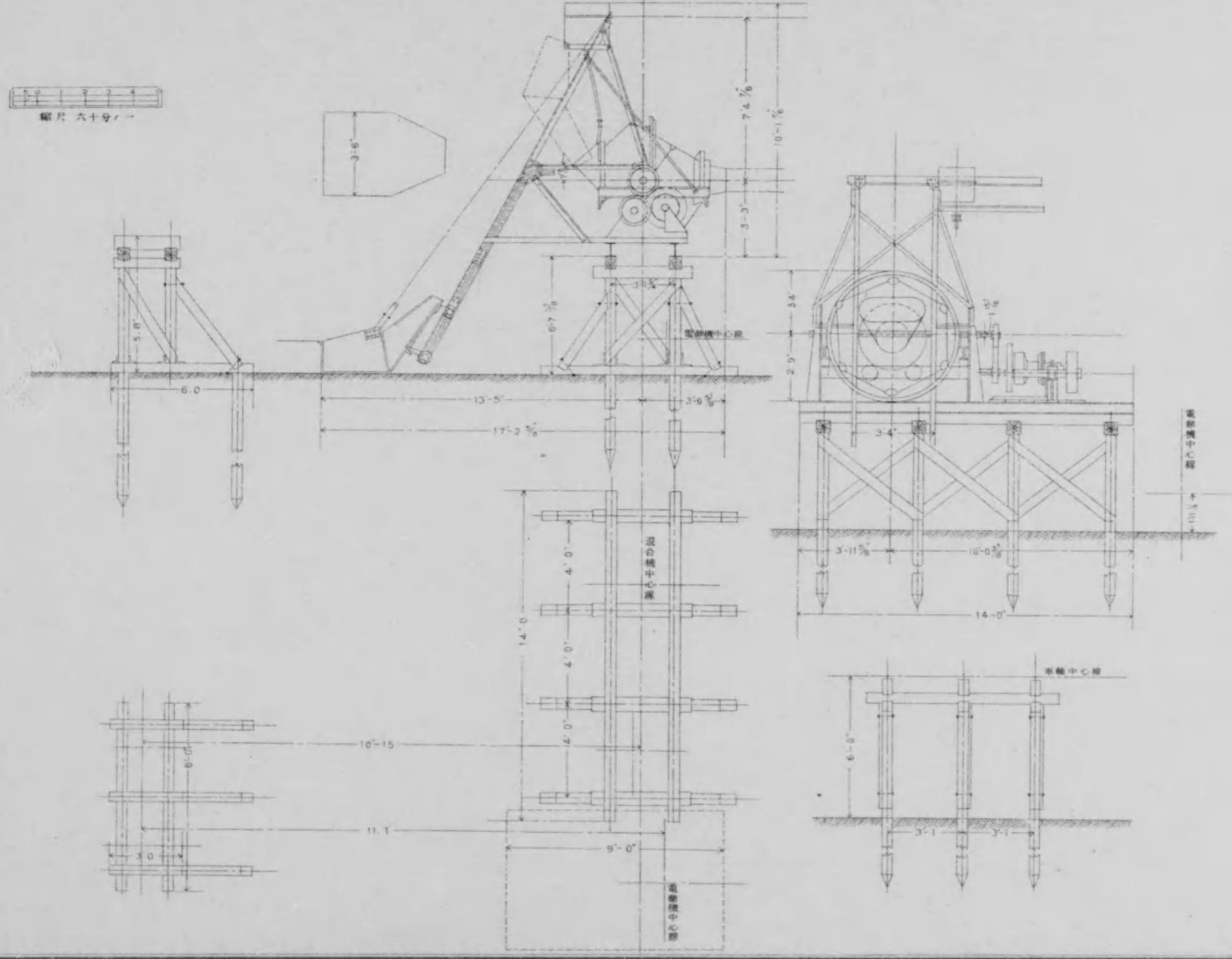
下部停車場詳細圖

西谷十七切混合機据付構造圖

第九拾號



西谷十切混合機据付構造圖

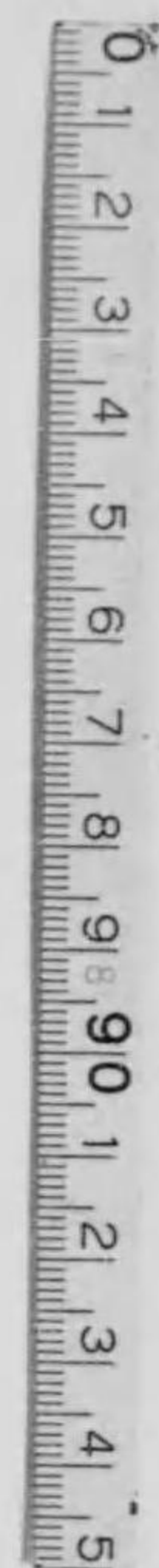
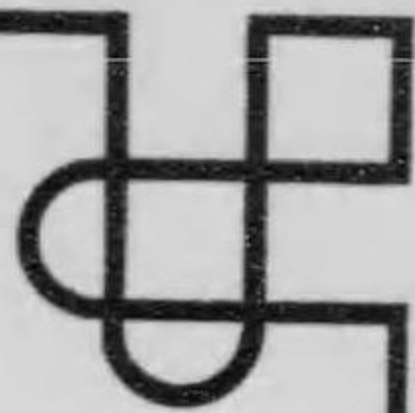


横濱市全圖

配水管敷設圖

橋樹郡
保土ヶ谷町

第九拾二號



橋樹郡
城郷村

都筑郡西谷村

川井淨水地二里八

橋樹郡保土ヶ谷町



久良岐郡
大岡川村

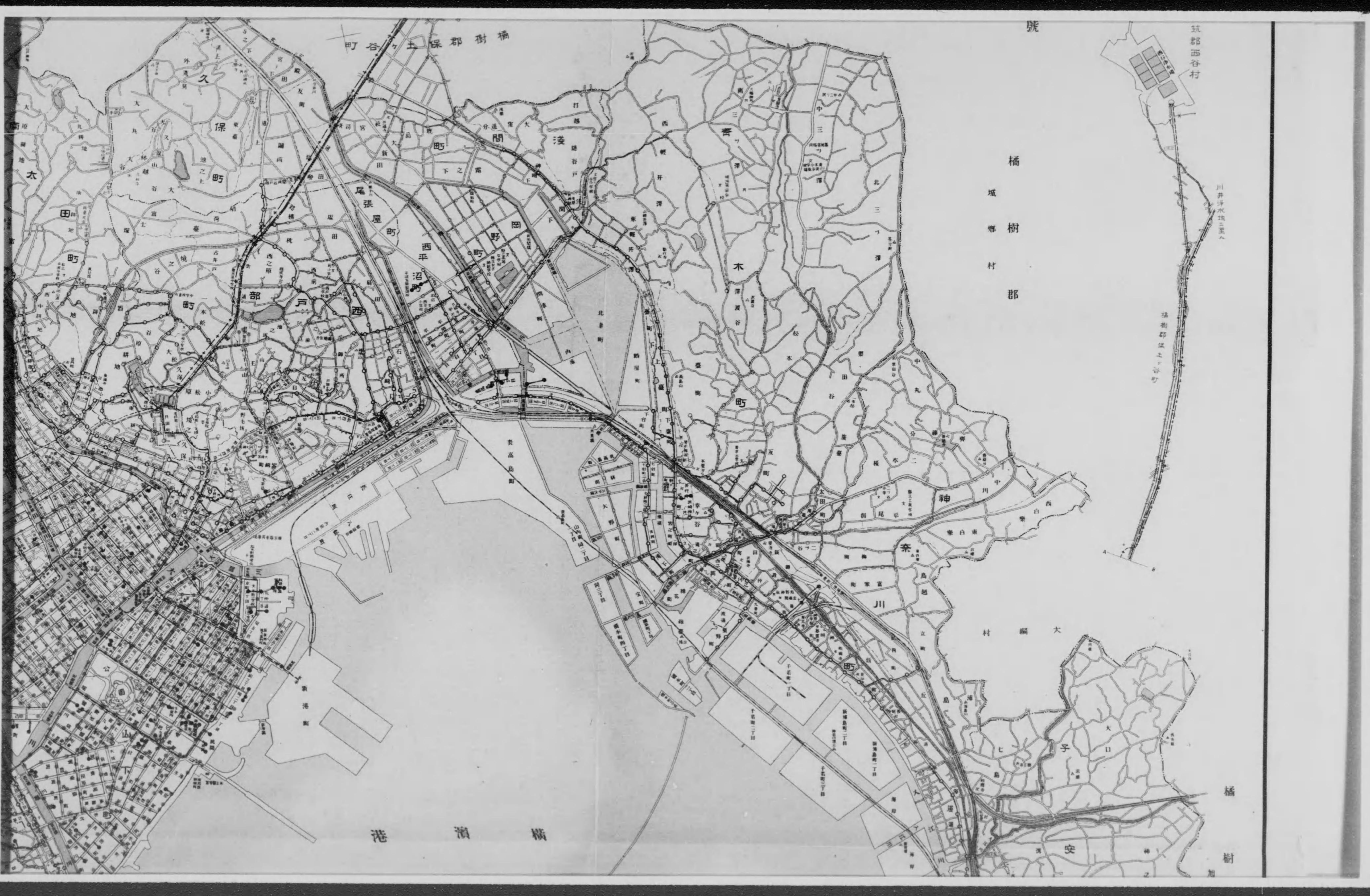
橫濱全圖

配水管敷設圖

樹郡
谷町



要塞地帯



町谷、上保郡街橋

號

其郡西谷村

橋本郡

橋本郡保土谷町

川井淨水地二五八

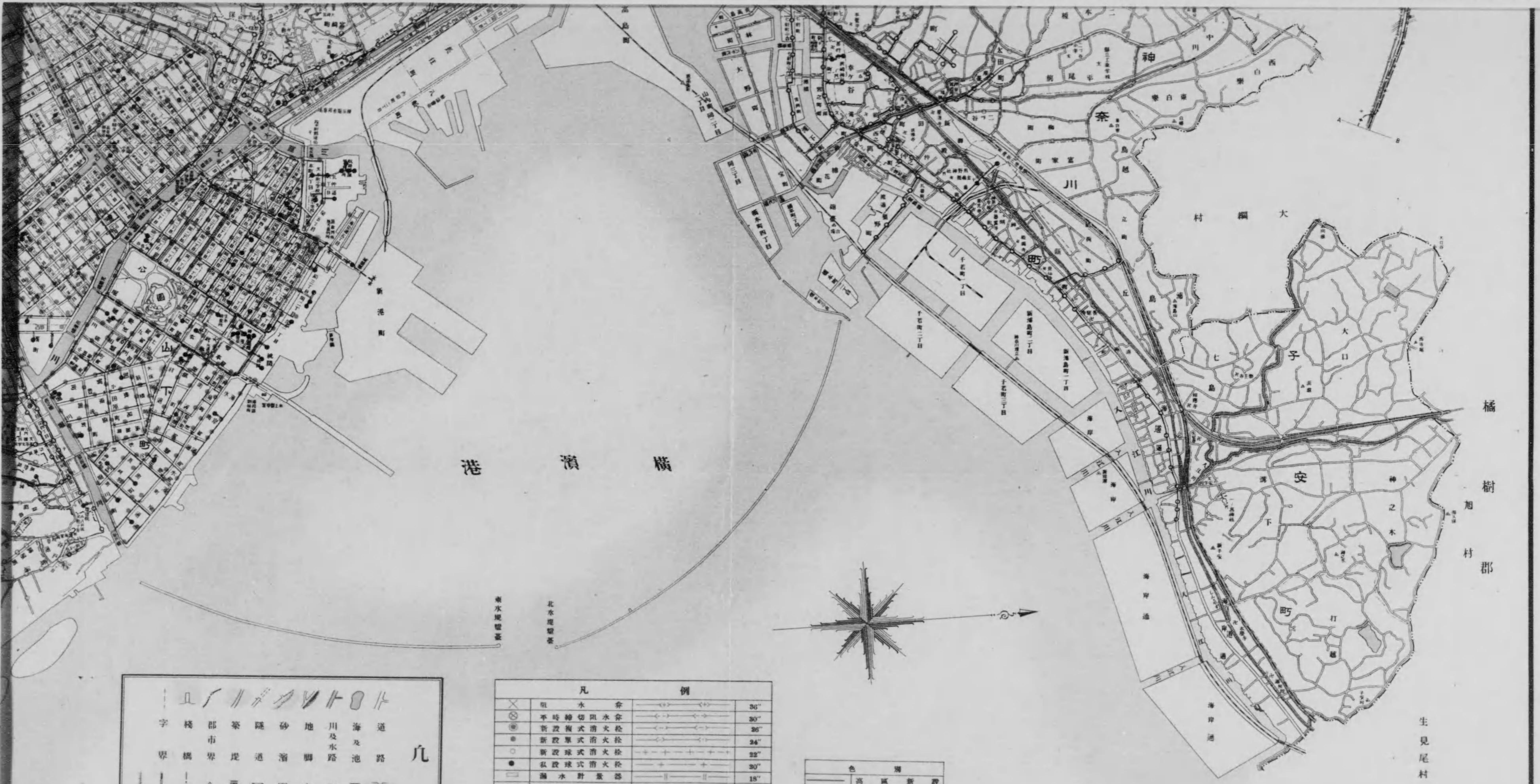
港濱橋

橋本郡



要塞地帯

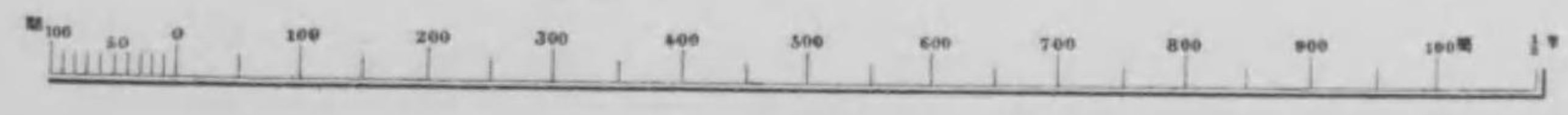
大正四年貳



凡例									
—	—	—	—	—	—	—	—	—	—
字	橋	郡	築	陸	砂	地	川	海	道
界	橋	界	堤	道	道	脚	及水	池	路
電	鐵	町	三	郵	警	病	文	記	凡
車	道	界	角	便	署	院	校	宇	社
			点	局	署	院	校	宇	社

凡例			
⊗	水	管	36"
⊙	水	管	30"
⊕	水	管	24"
⊖	水	管	22"
●	水	管	30"
○	水	管	18"
□	水	管	154"
—	水	管	12"
—	水	管	16"
—	水	管	8"
—	水	管	6"
—	水	管	4"
—	水	管	私設4"

色別	
—	高區新設
—	低區新設
—	高區既設
—	低區既設



縮尺壹萬貳千分之壹



大正四年貳月調製



港 濱 横

凡 例

—	道	海池	川及水路	地脚	砂溜	陸通	築堤	郡界	橋	字界
—	橋	神社	佛宇	學校	醫院	警察署	郵便局	三角點	町界	電線
—	—	—	—	—	—	—	—	—	—	—

凡 例

⊗	噴水	貯水池	水塔	水塔	水塔
⊙	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
●	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓
○	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓	新設球式消火栓



西谷市街配水計量所構造圖

第九拾三號

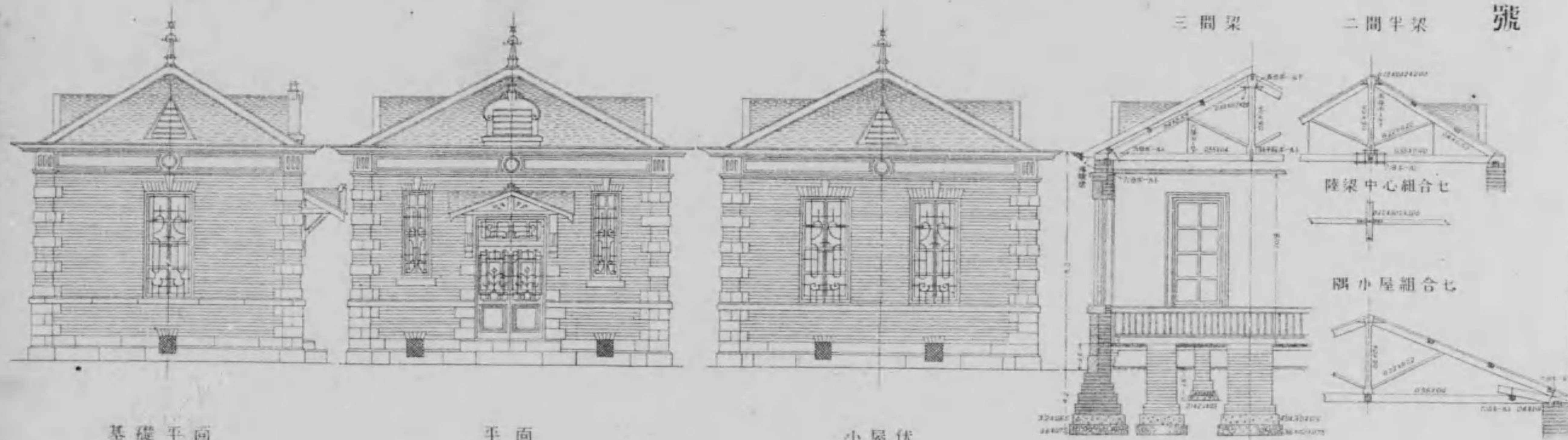
縮尺 百分之一

側面

正面

背面

小屋組断面



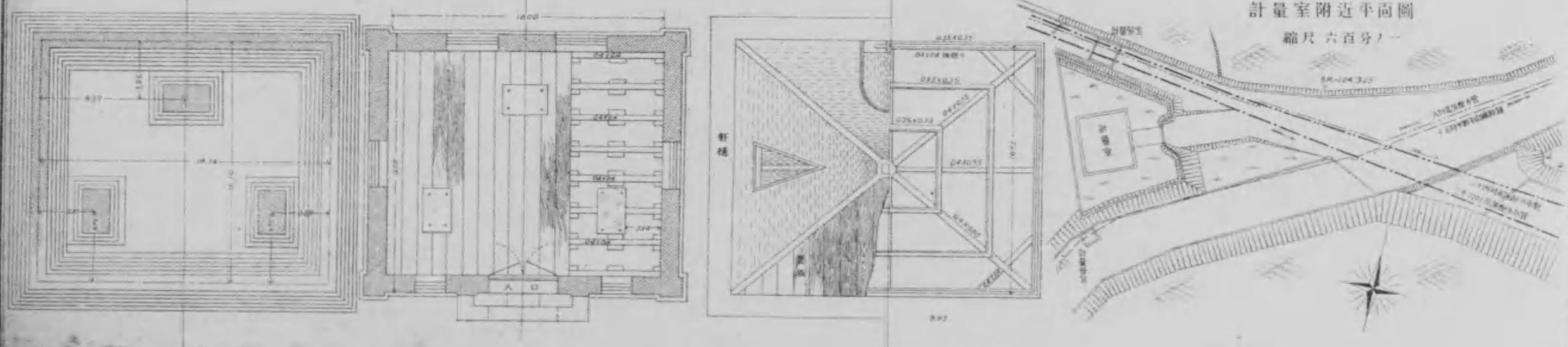
基礎平面

平面

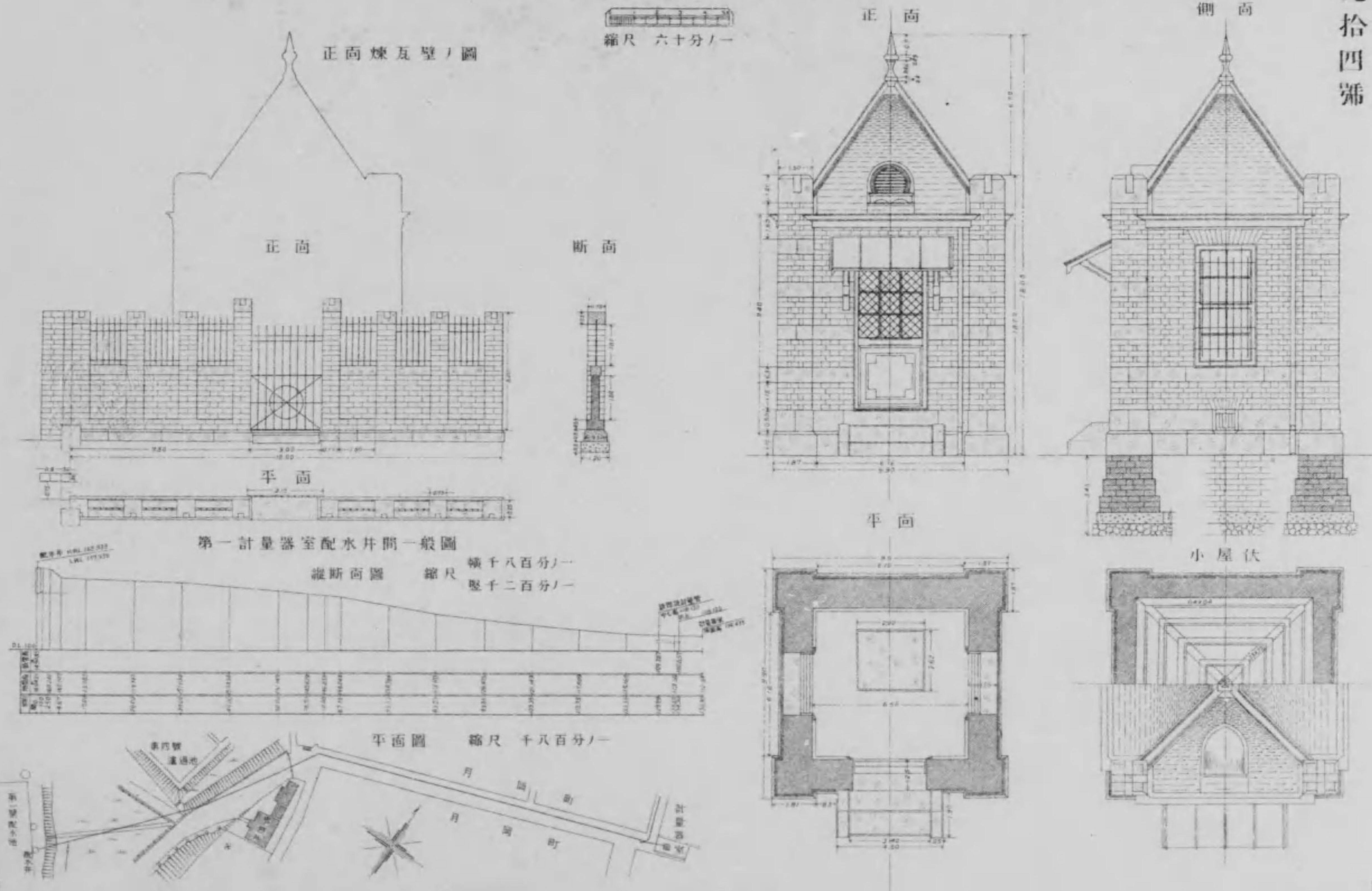
小屋伏

計量室附近平面圖

縮尺 六百分之一

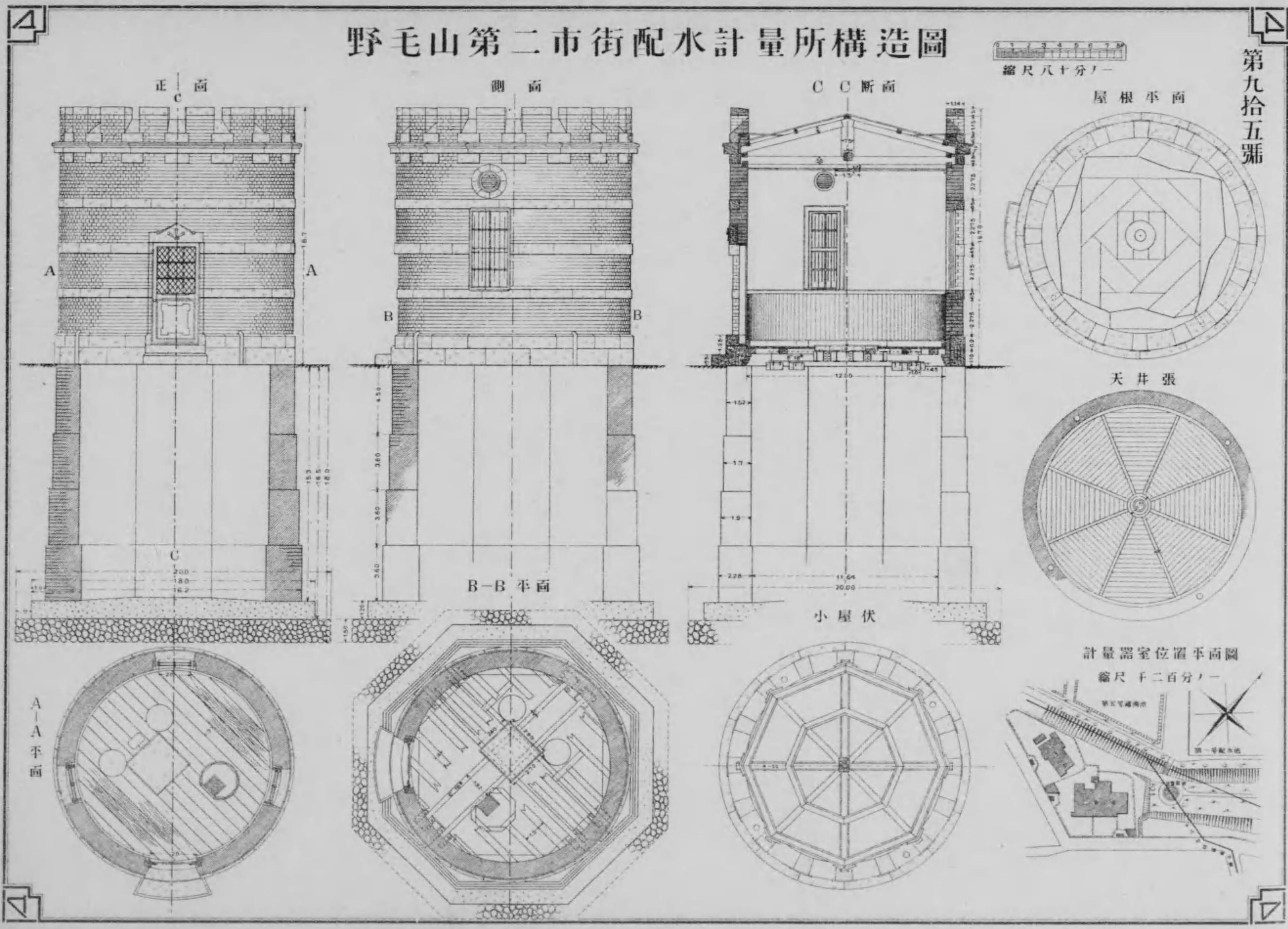


野毛山第一市街配水計量所構造圖



野毛山第二市街配水計量所構造圖

第九拾五號



宮川水管橋構造圖

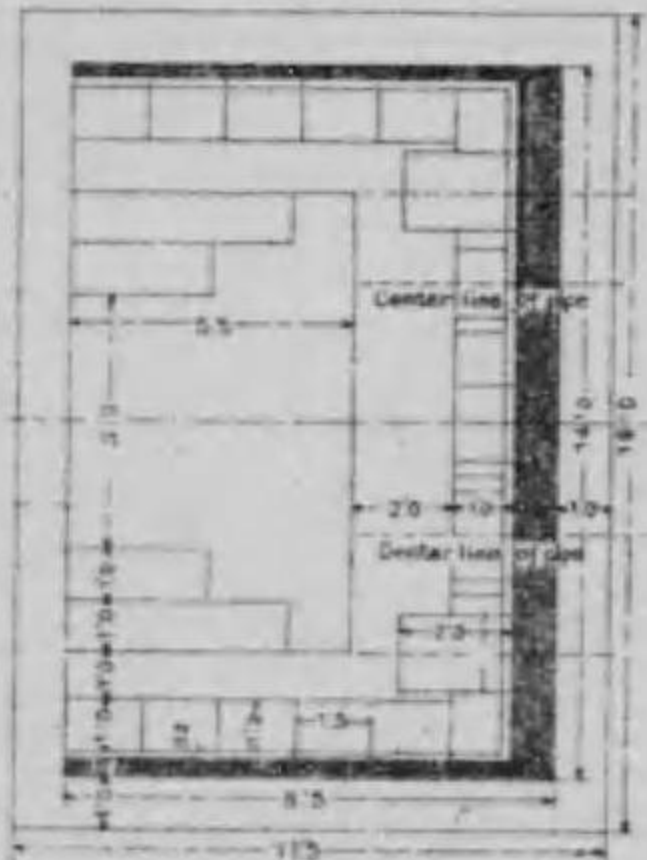
第九拾六號

ABUTMENT
SCALE 1:100

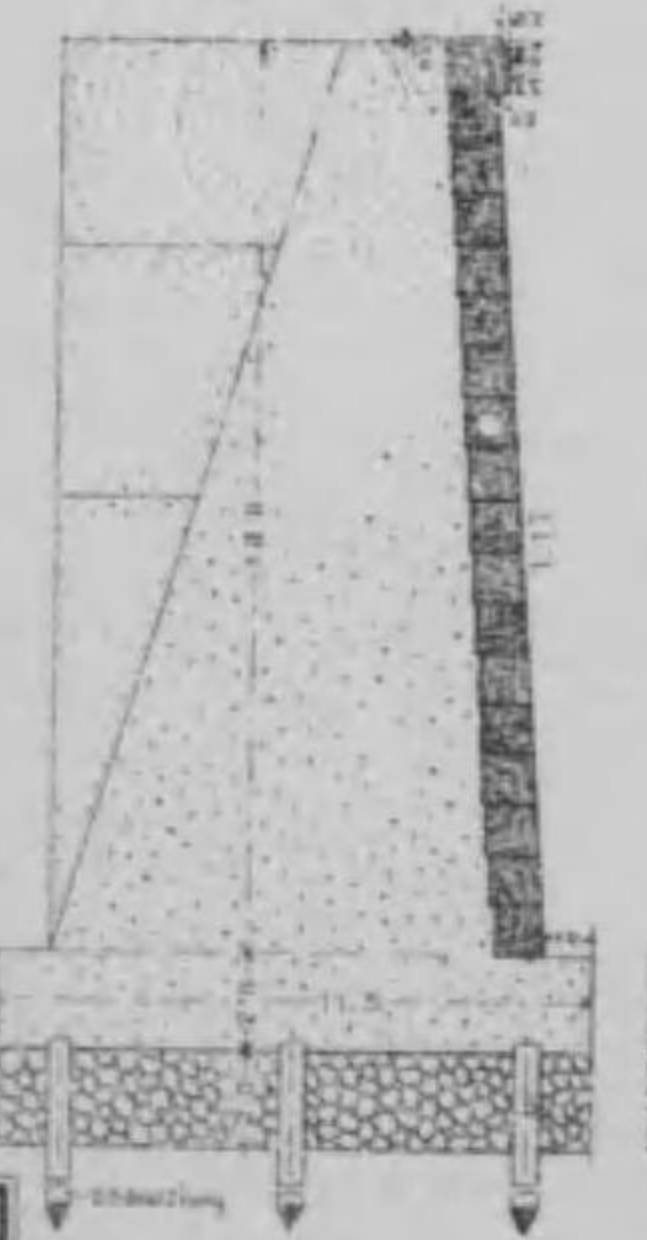
ALLANGEMENT OF THE PILES



PLAN

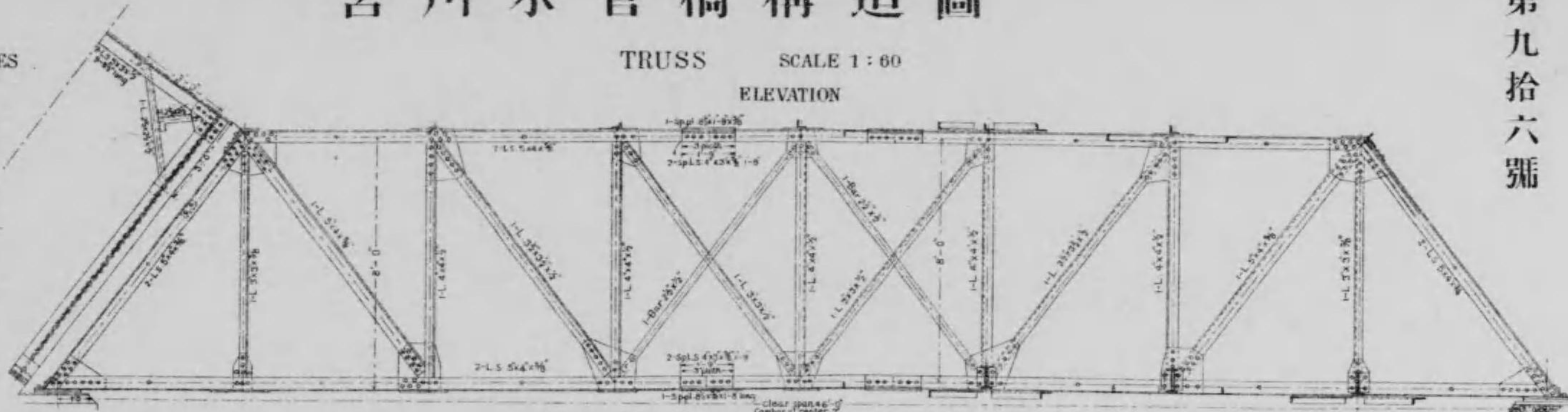


SECTION

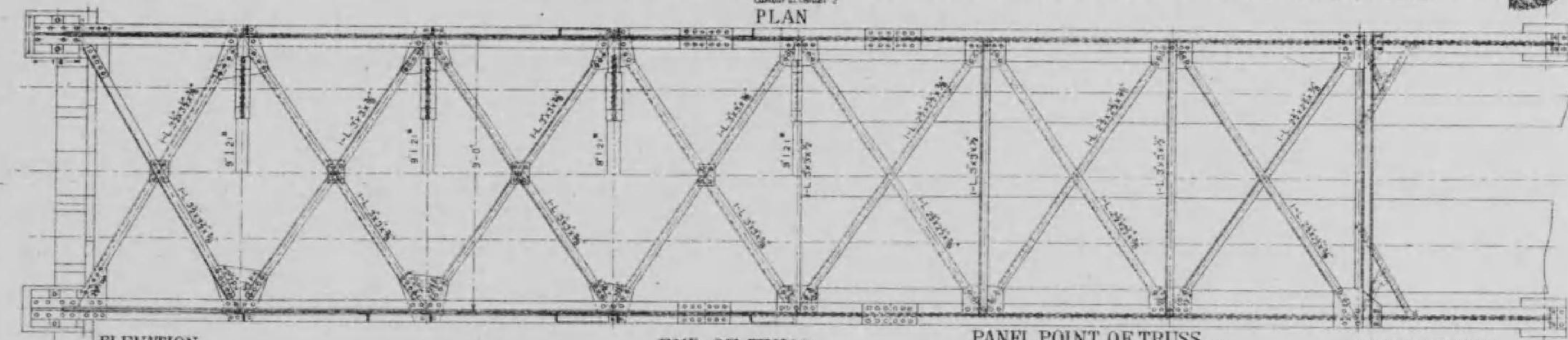


TRUSS SCALE 1:60

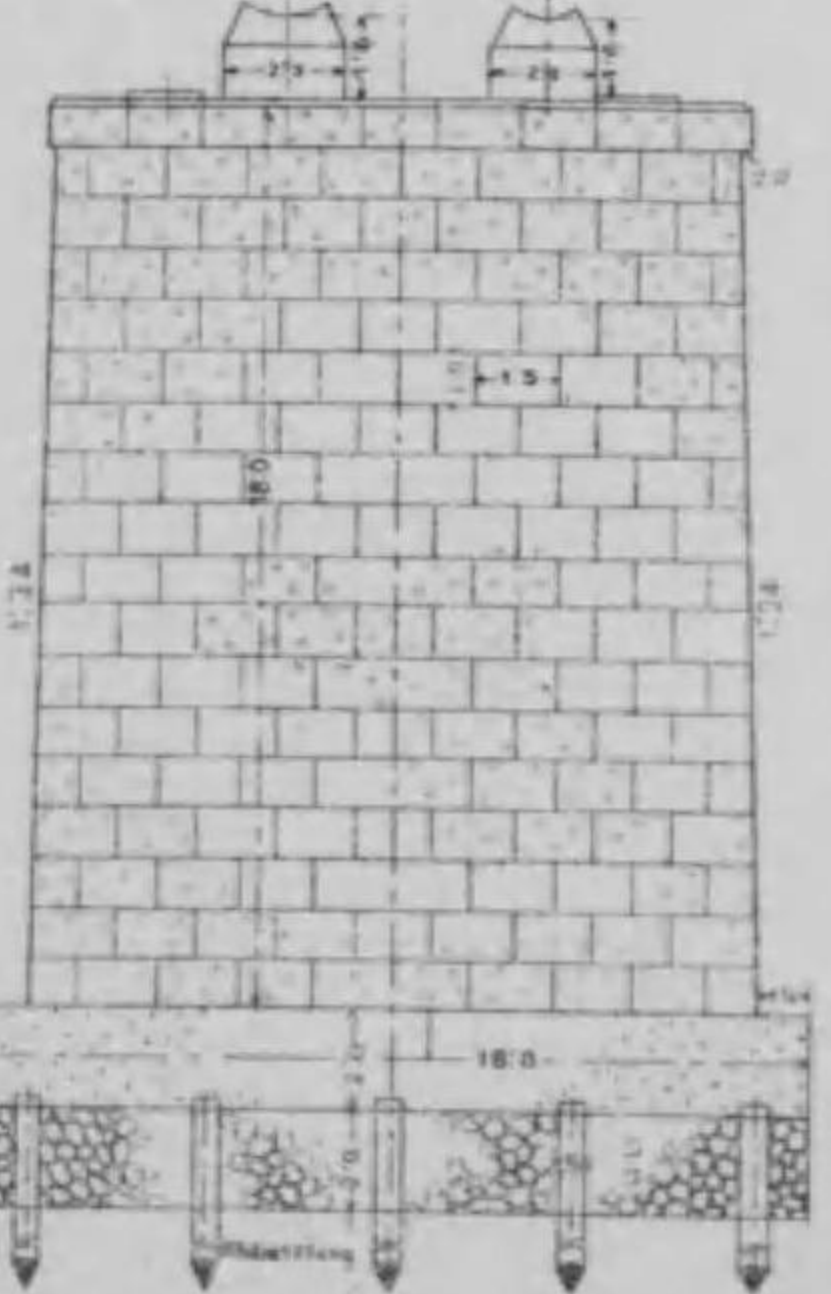
ELEVATION



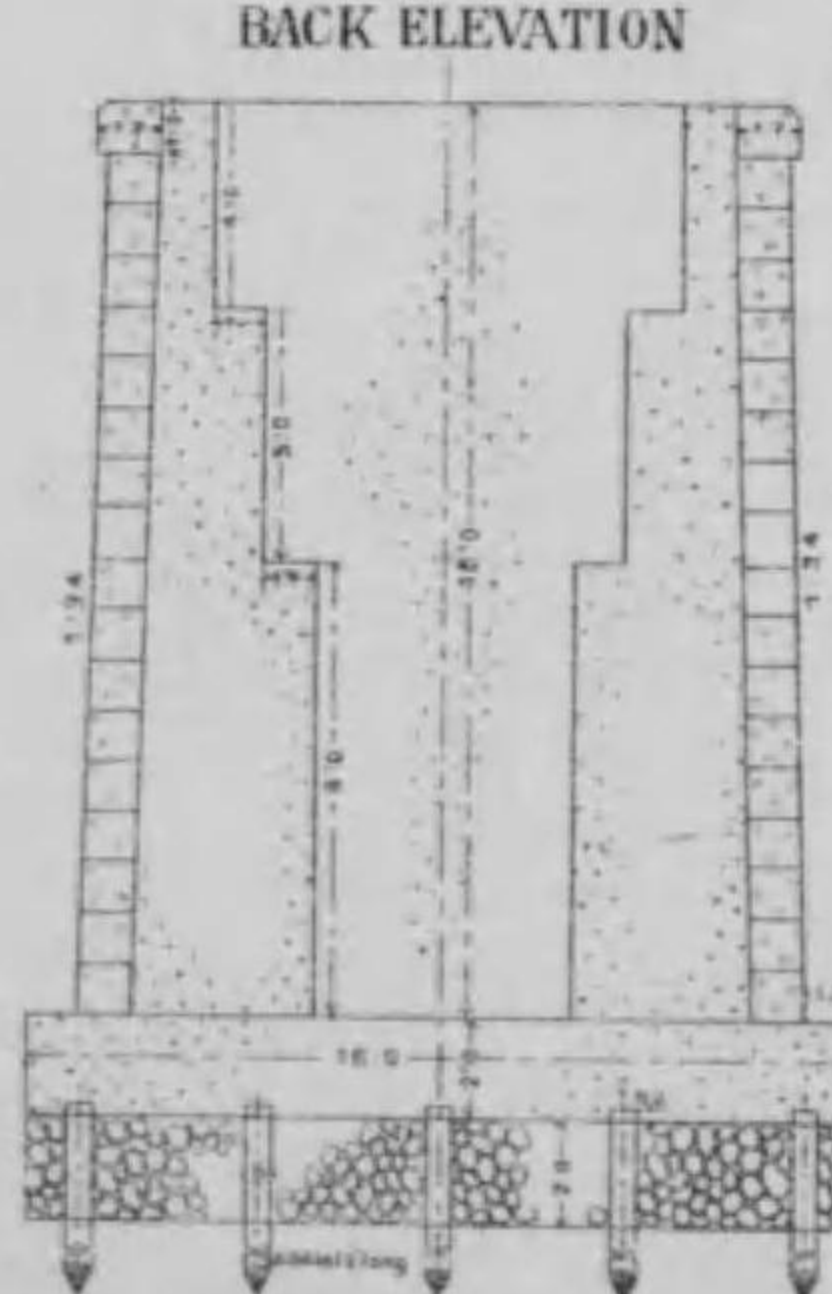
PLAN



ELEVATION

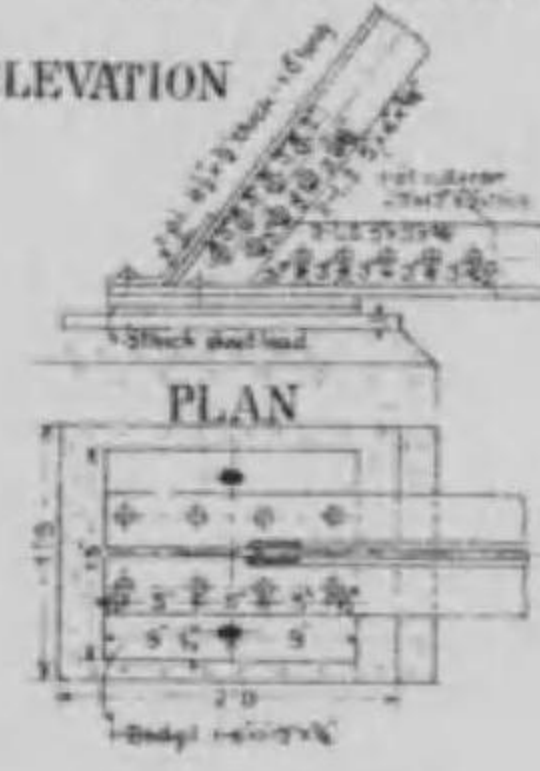


BACK ELEVATION



END OF TRUSS

ELEVATION



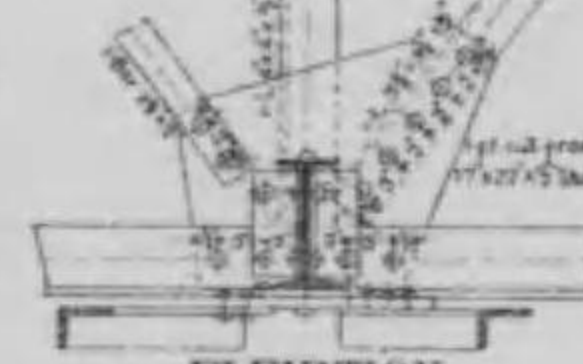
DETAILS
SCALE 1:30

PLAN



PANEL POINT OF TRUSS

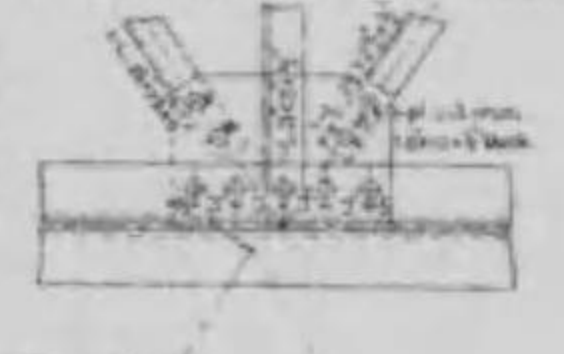
SECTION



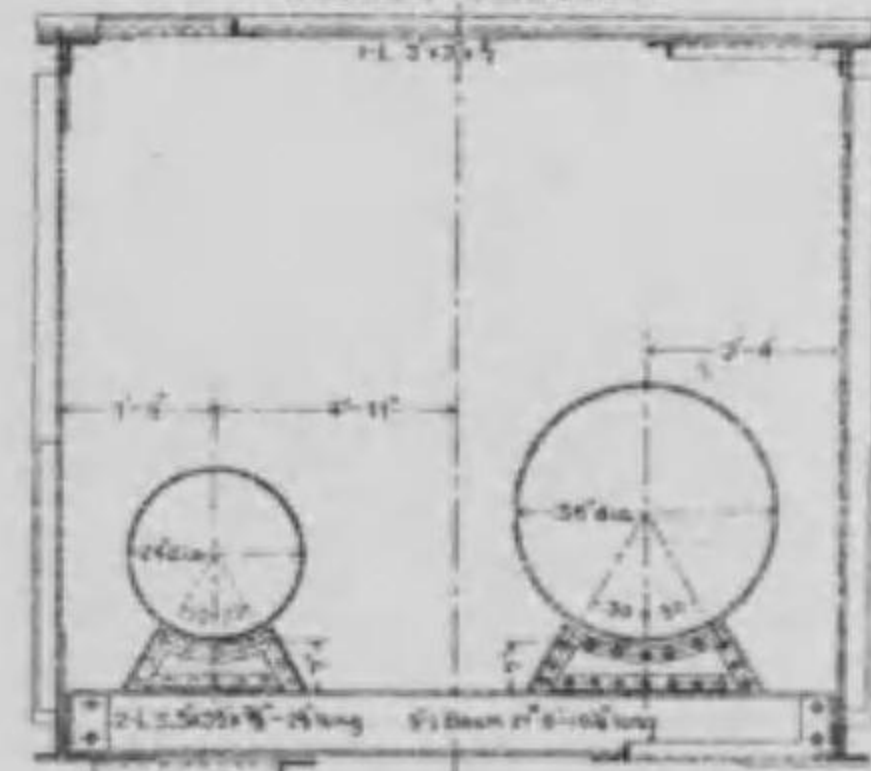
ELEVATION



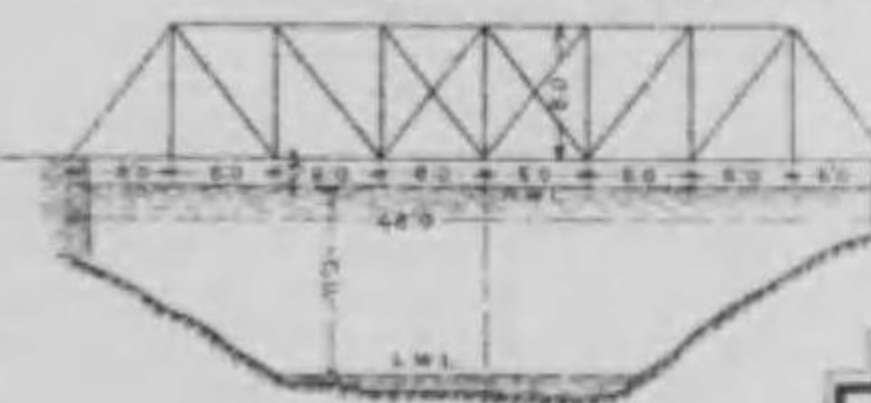
PLAN OF TOP LATERAL



CROSS SECTION

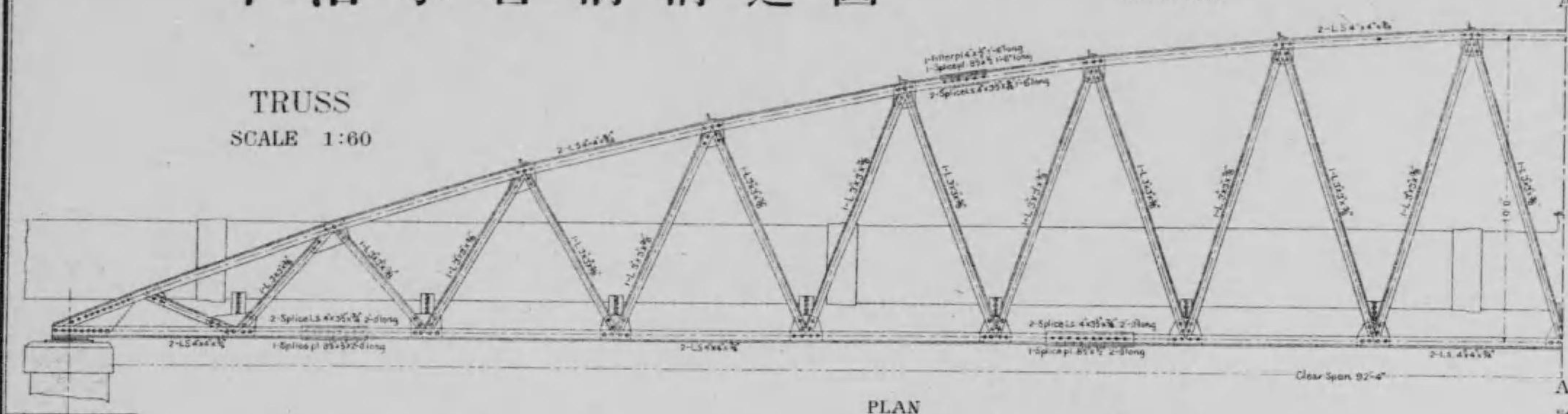


GENERAL ELEVATION SCALE 1:300

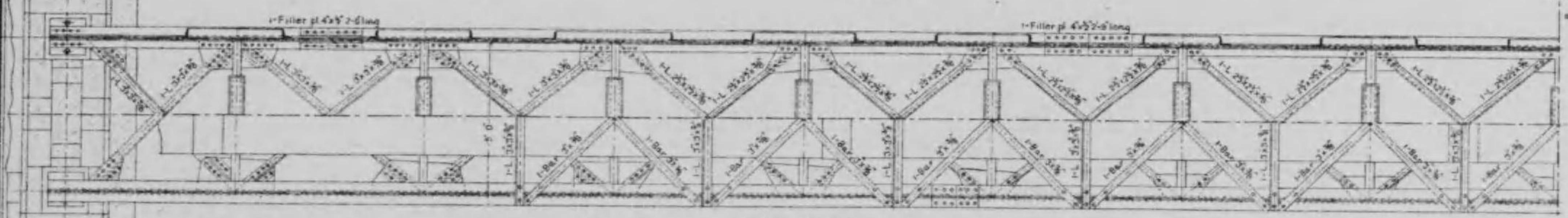


平沼水管橋構造圖

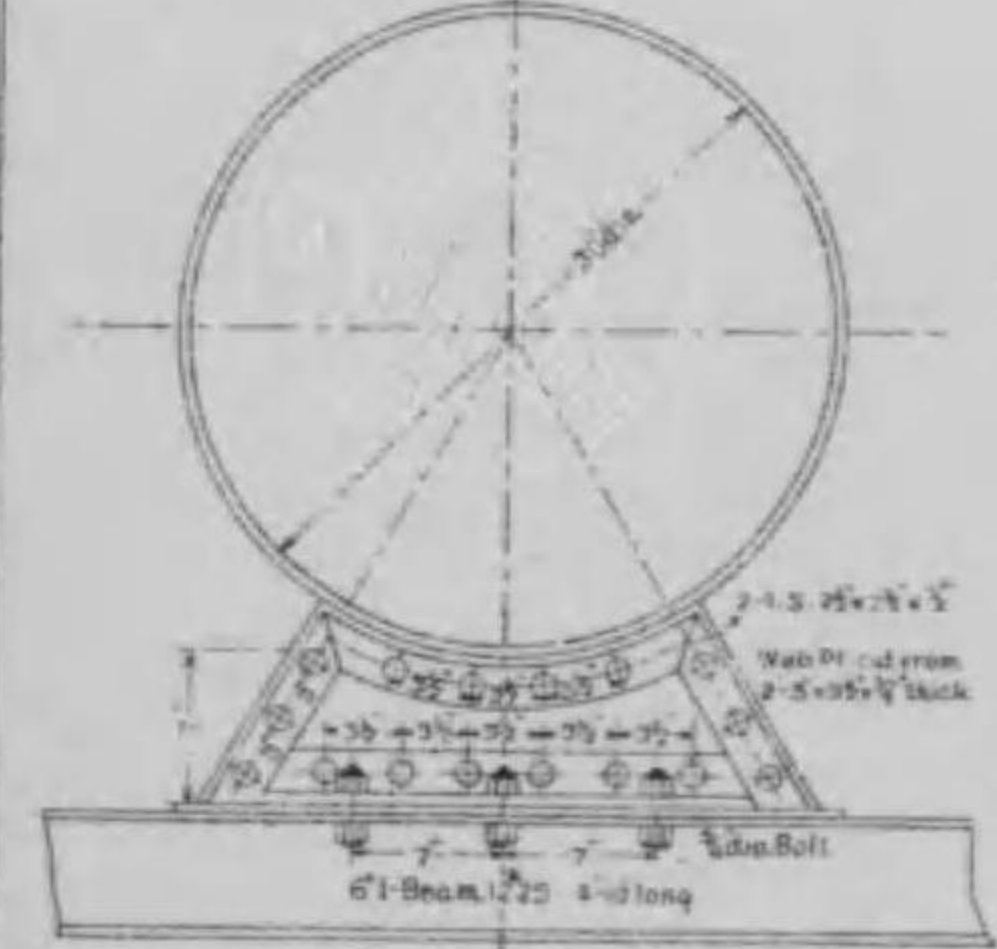
TRUSS
SCALE 1:60



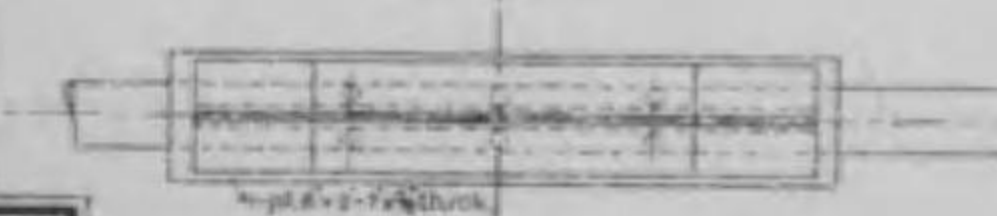
PLAN



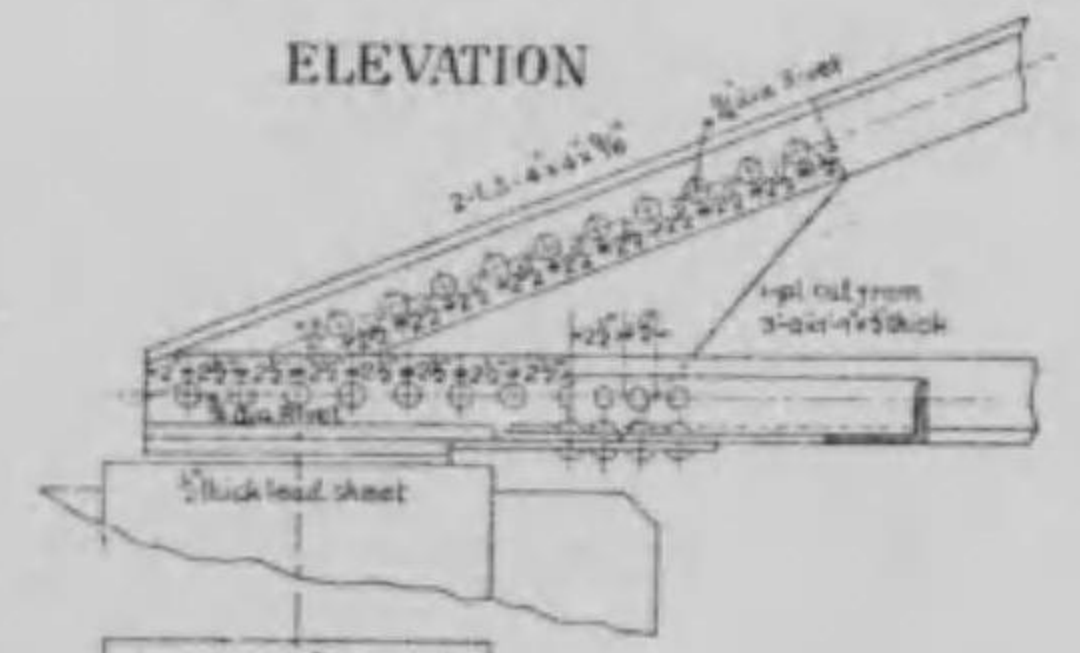
PIPE SADDLE
ELEVATION



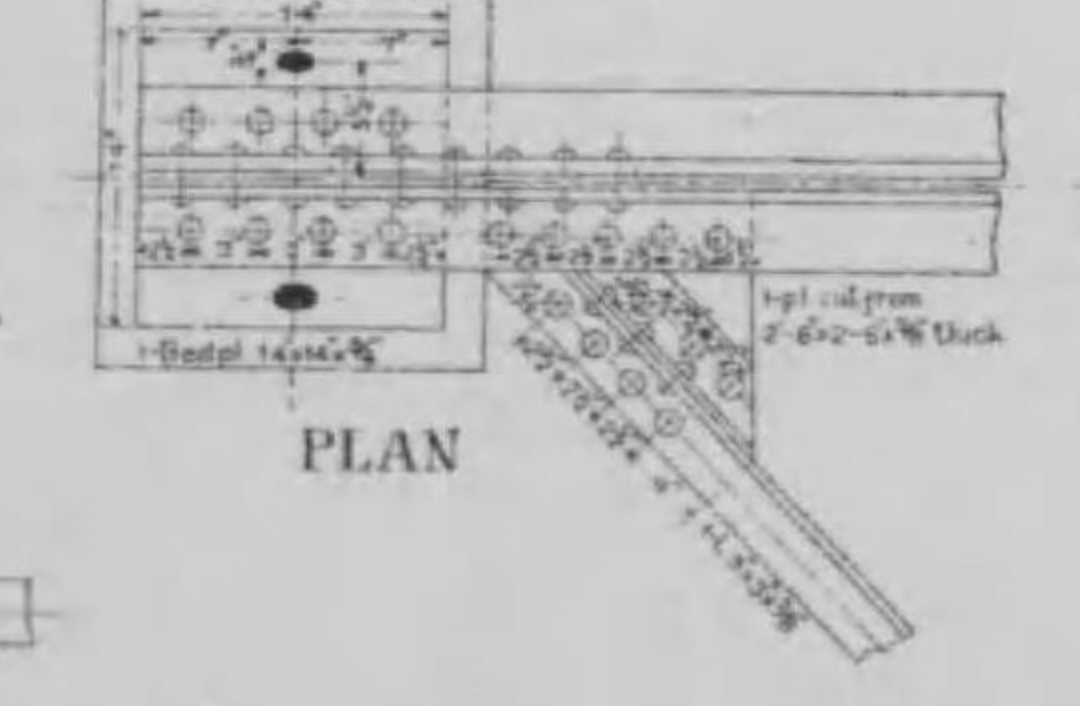
PLAN



END OF TRUSS
ELEVATION

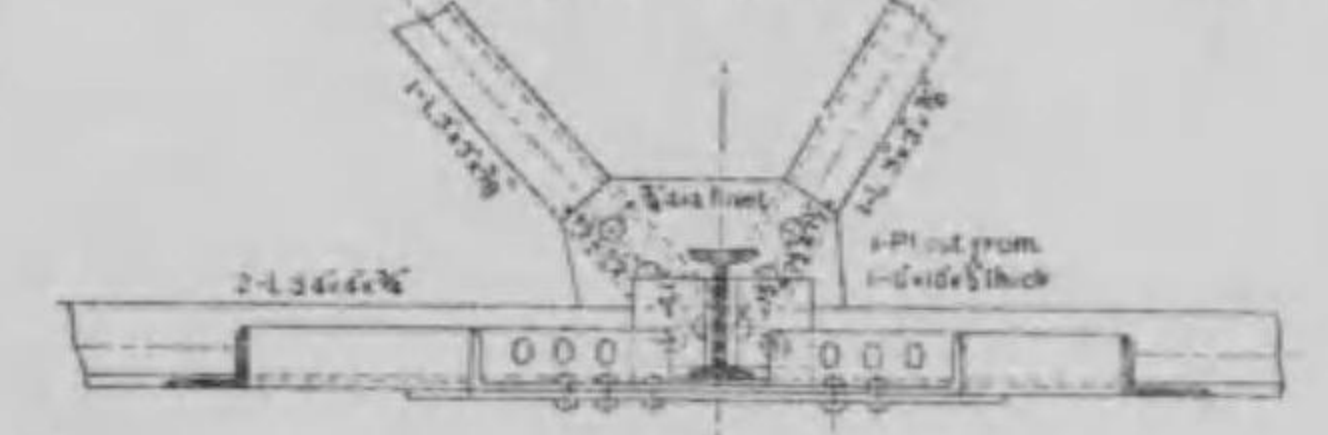


PLAN

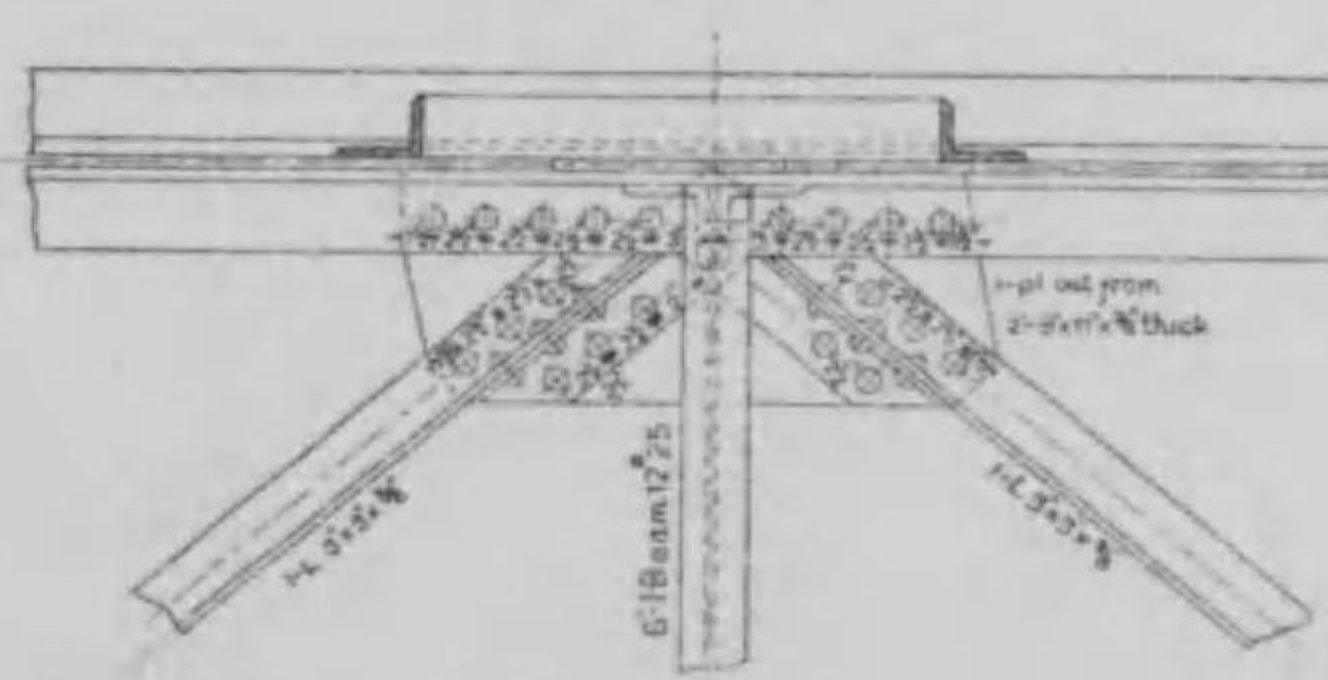


DETAILS
SCALE 1:20

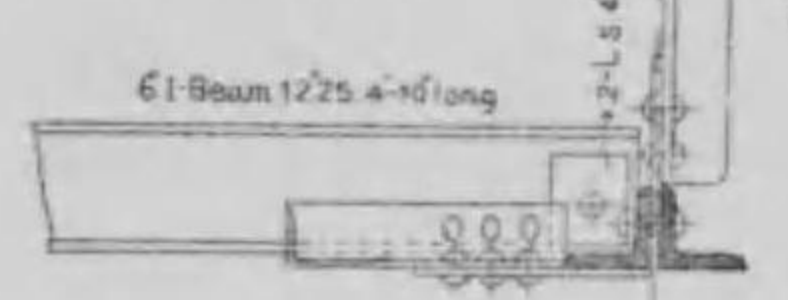
PANEL POINT OF TRUSS
AT P
ELEVATION



PLAN



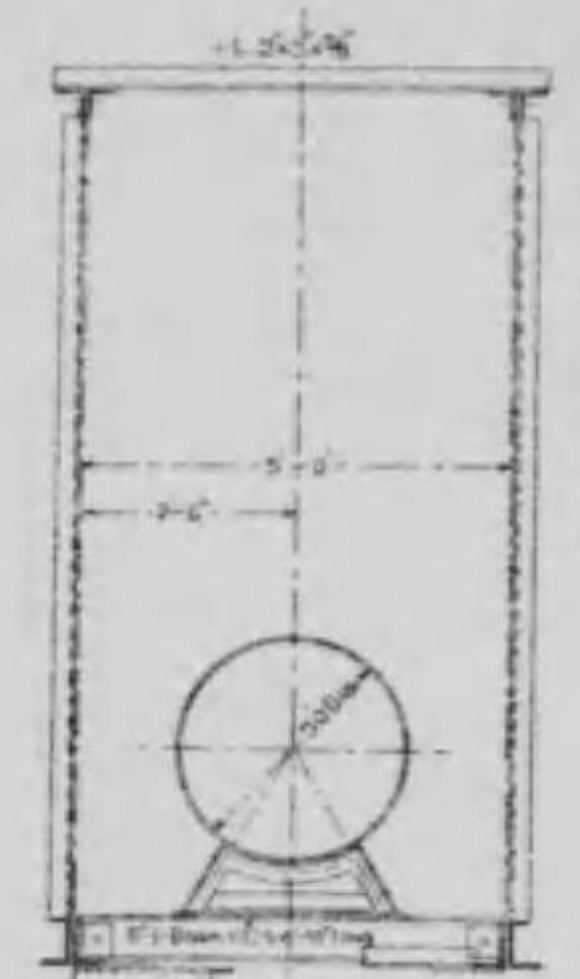
SECTION



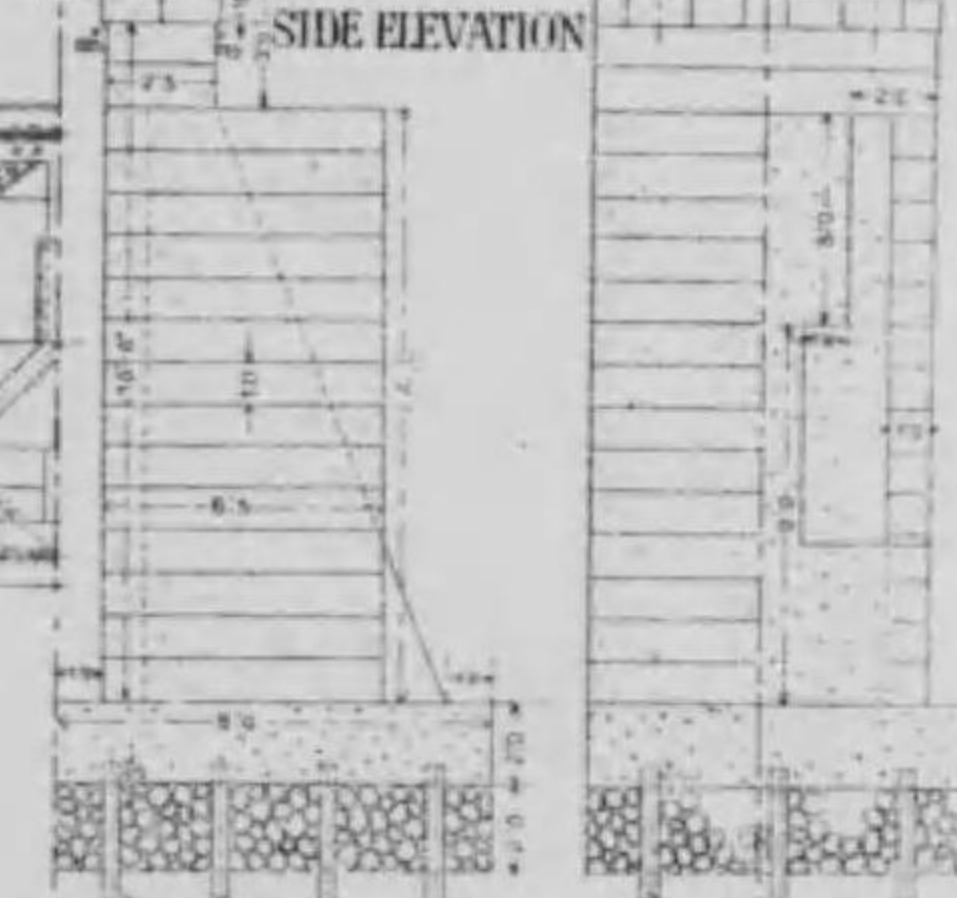
GENERAL ELEVATION
SCALE 1:400



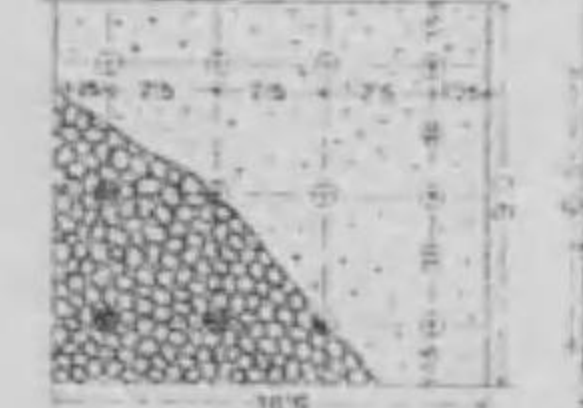
A-SECTION



ABUTMENT
SCALE 1:120



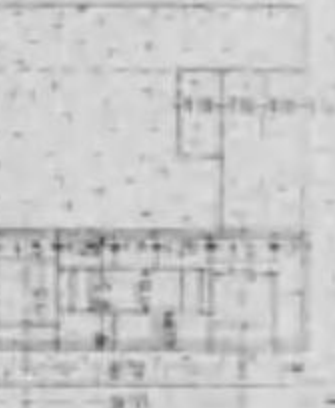
PLAN OF FOUNDATION



ELEVATION



PLAN



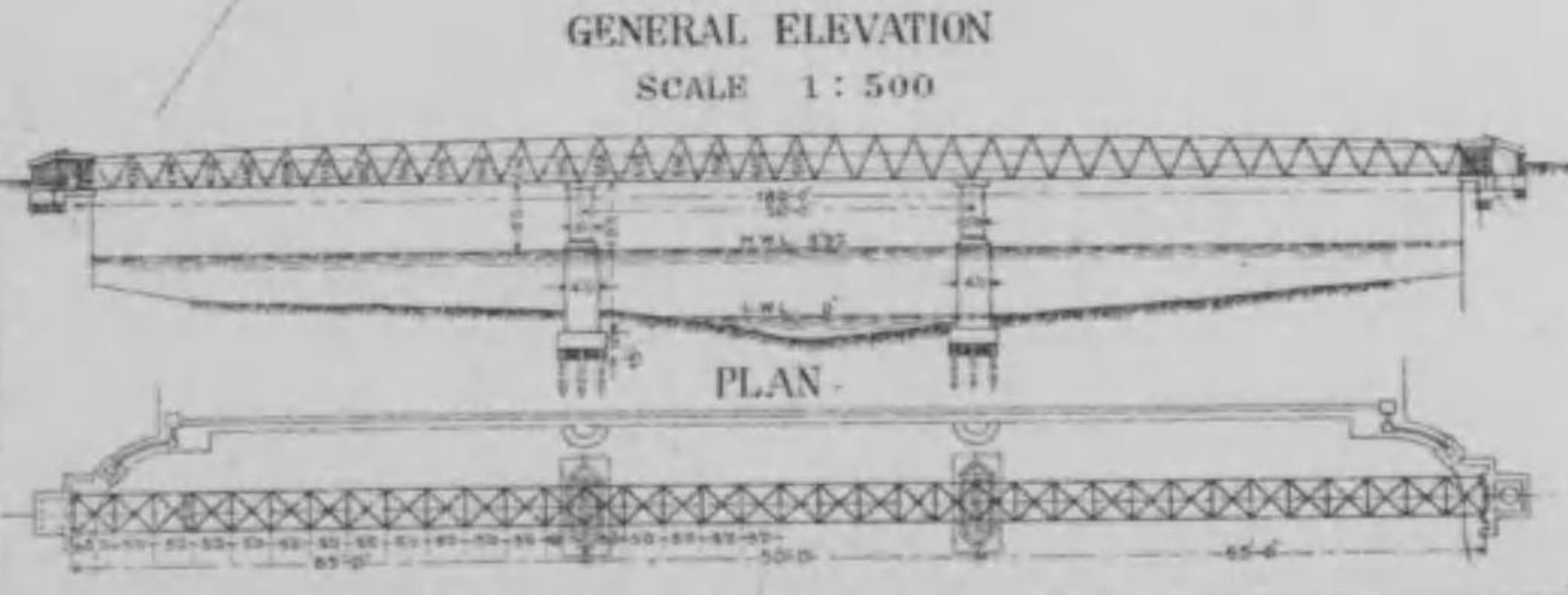
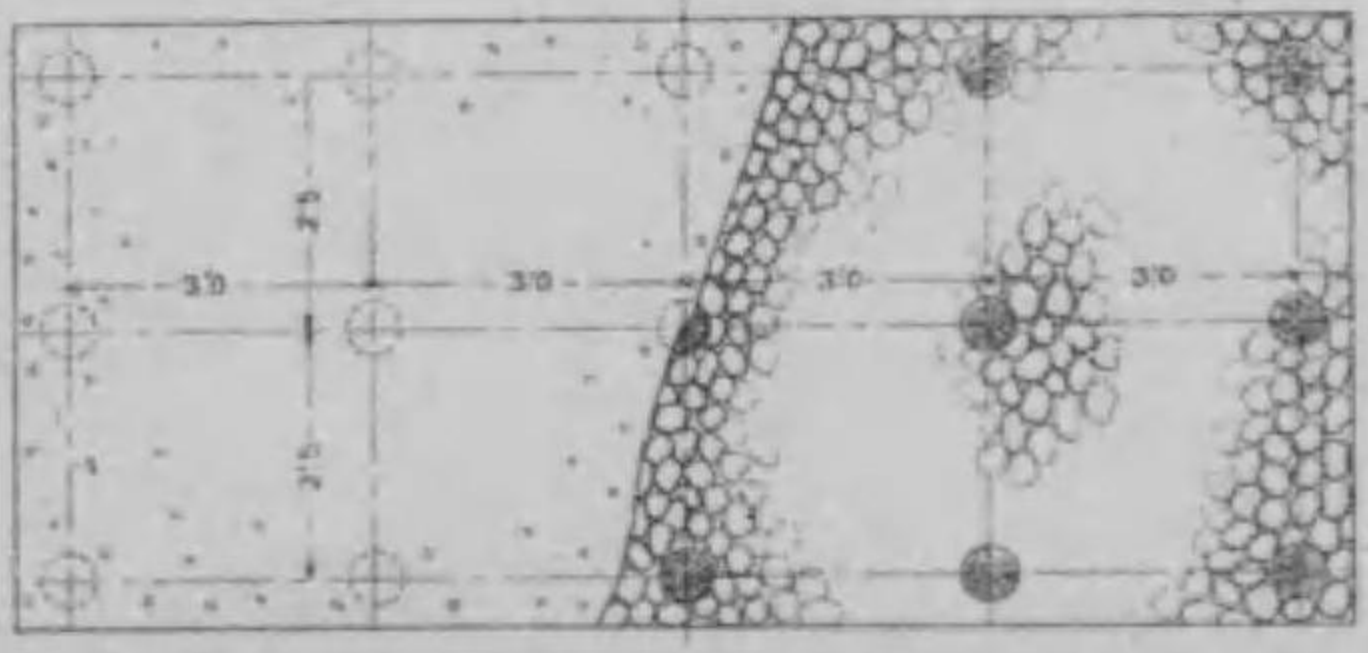
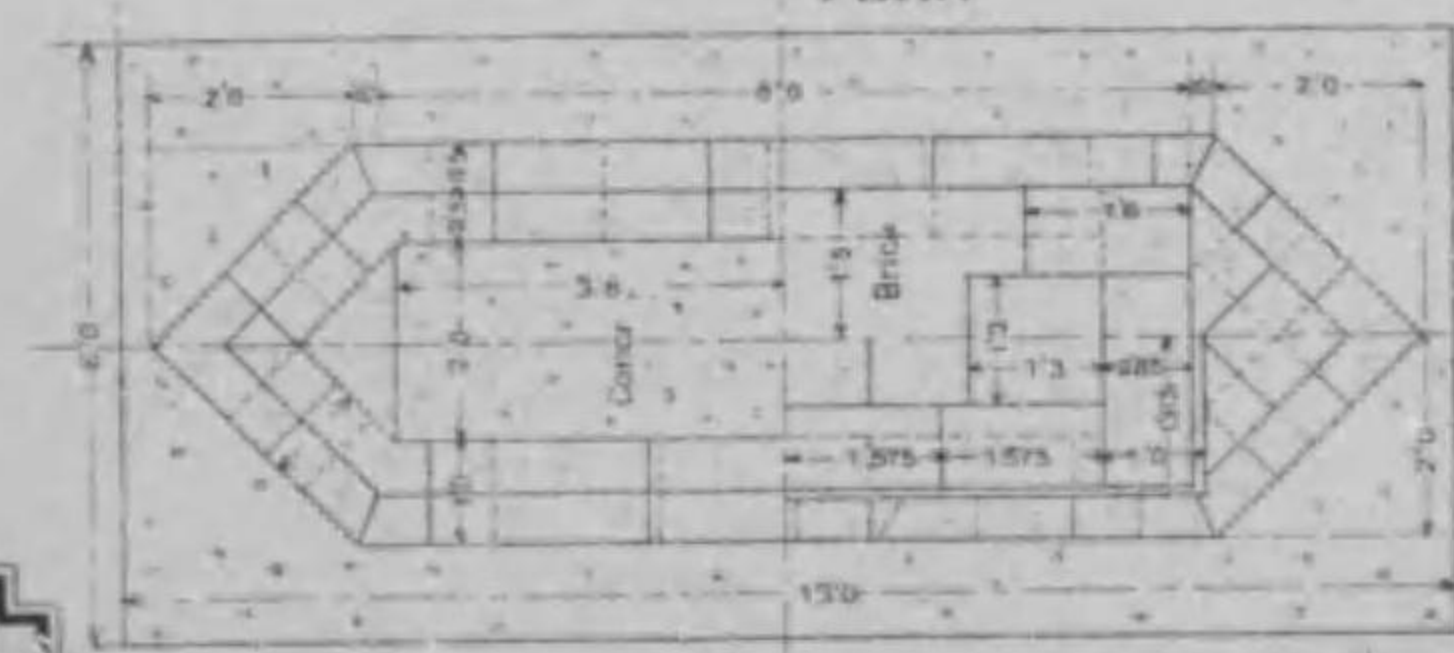
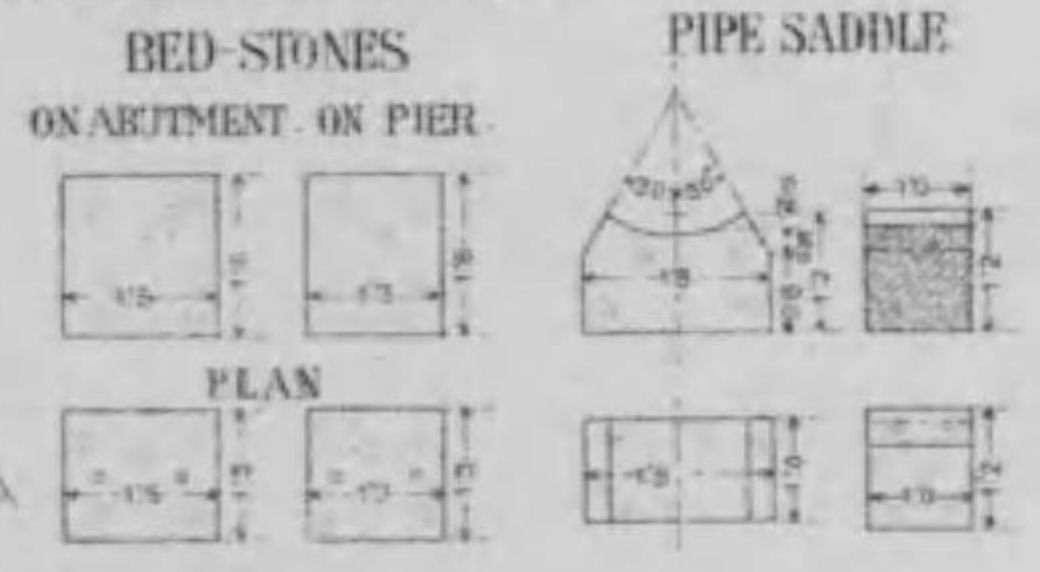
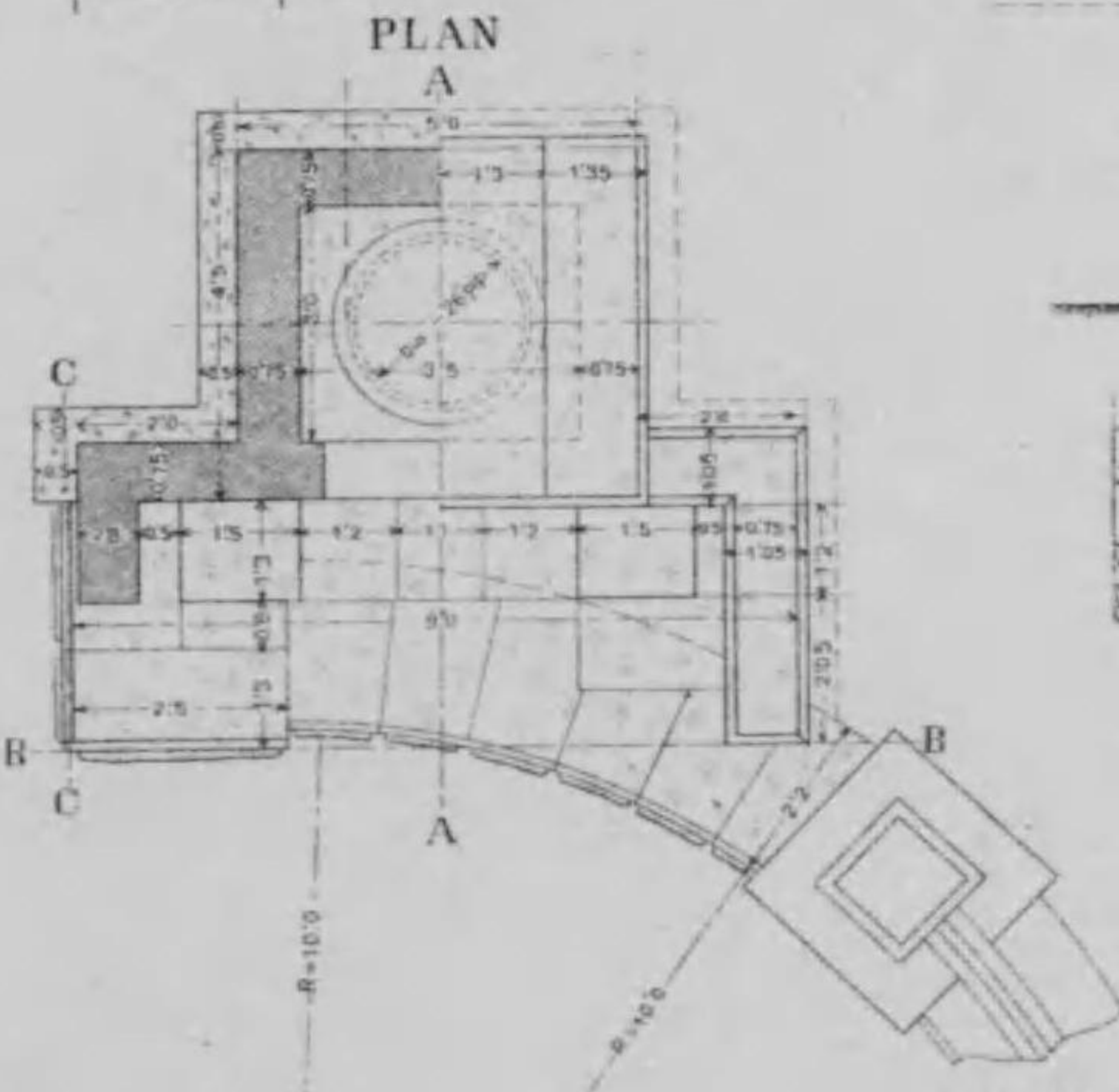
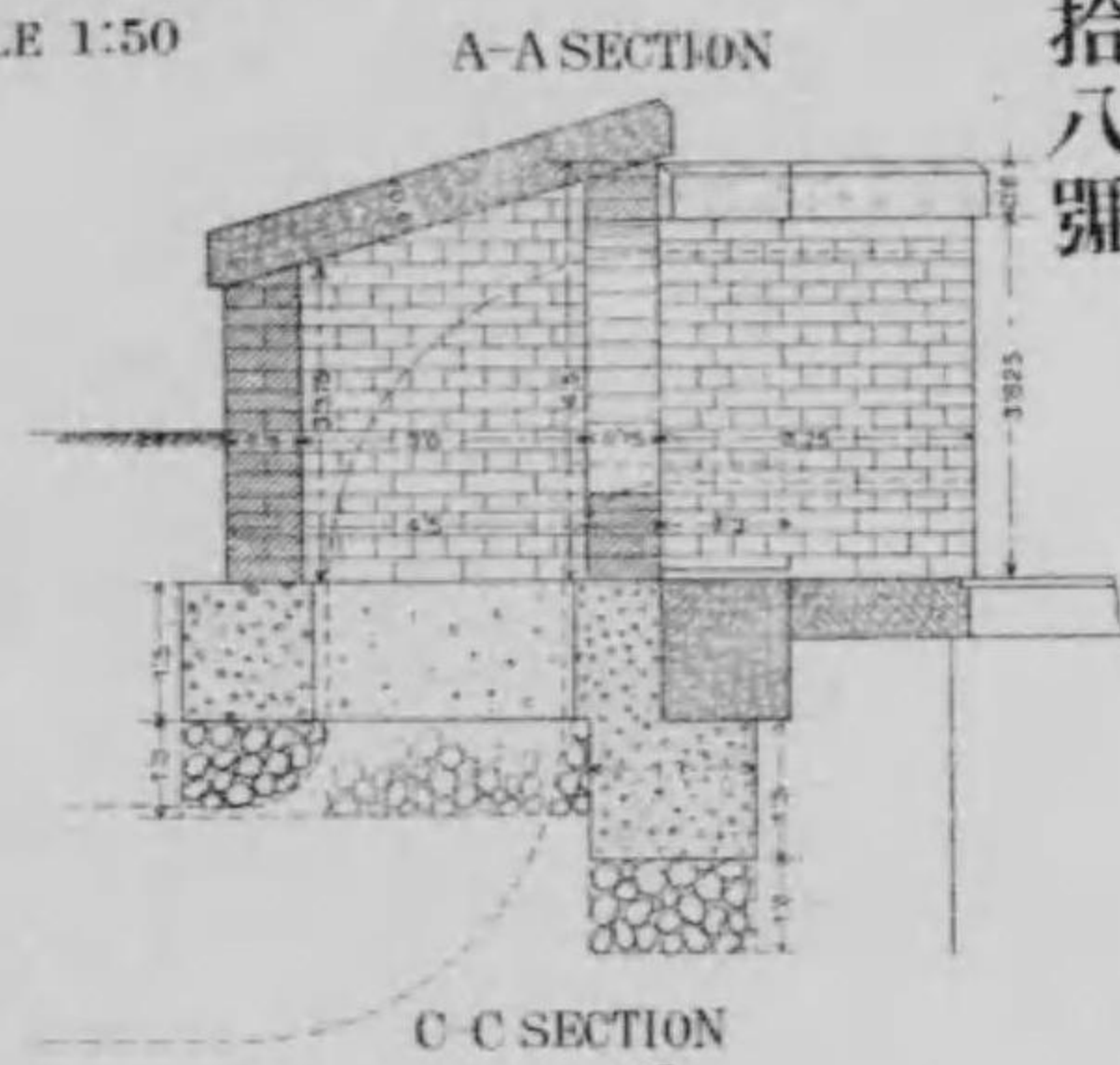
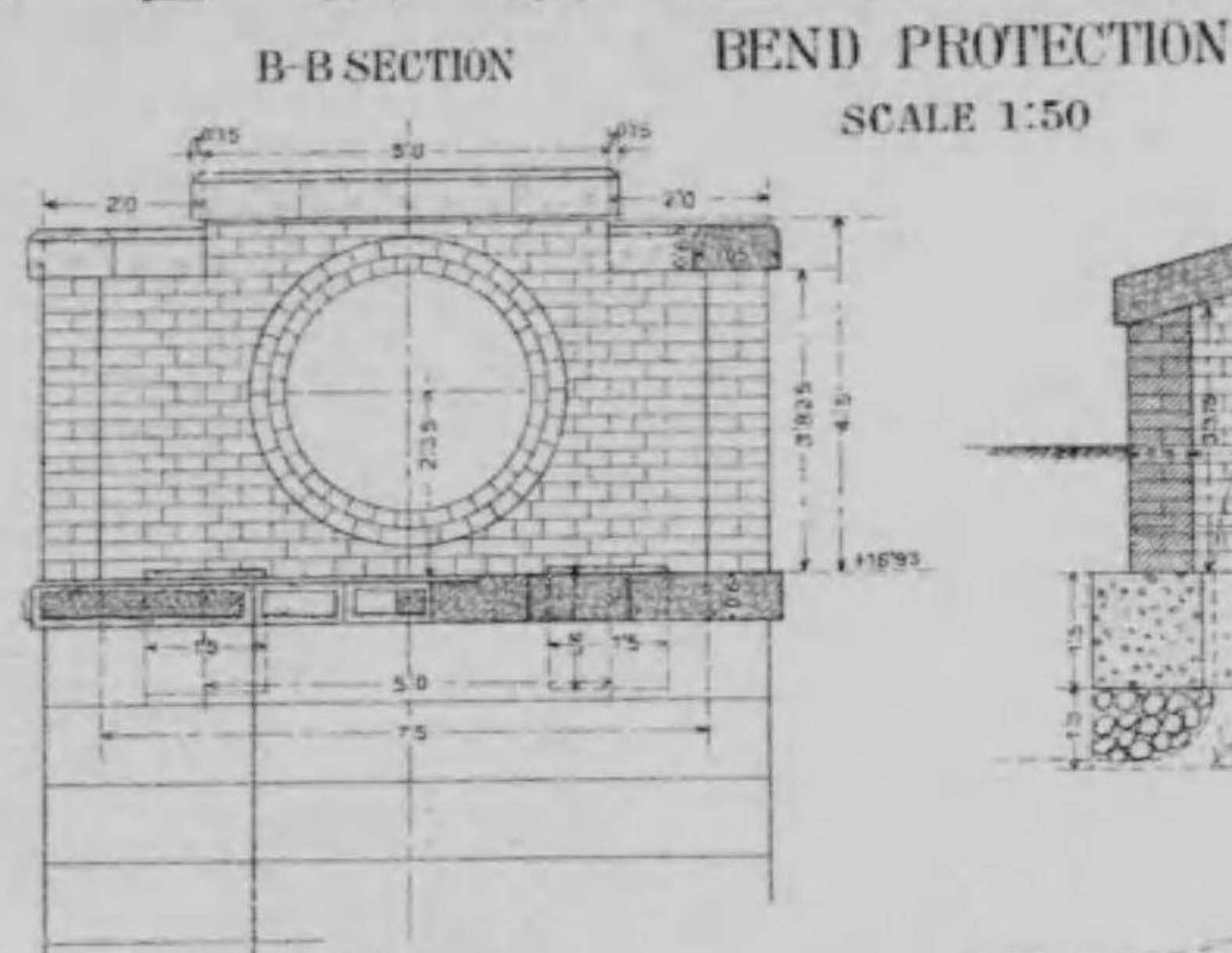
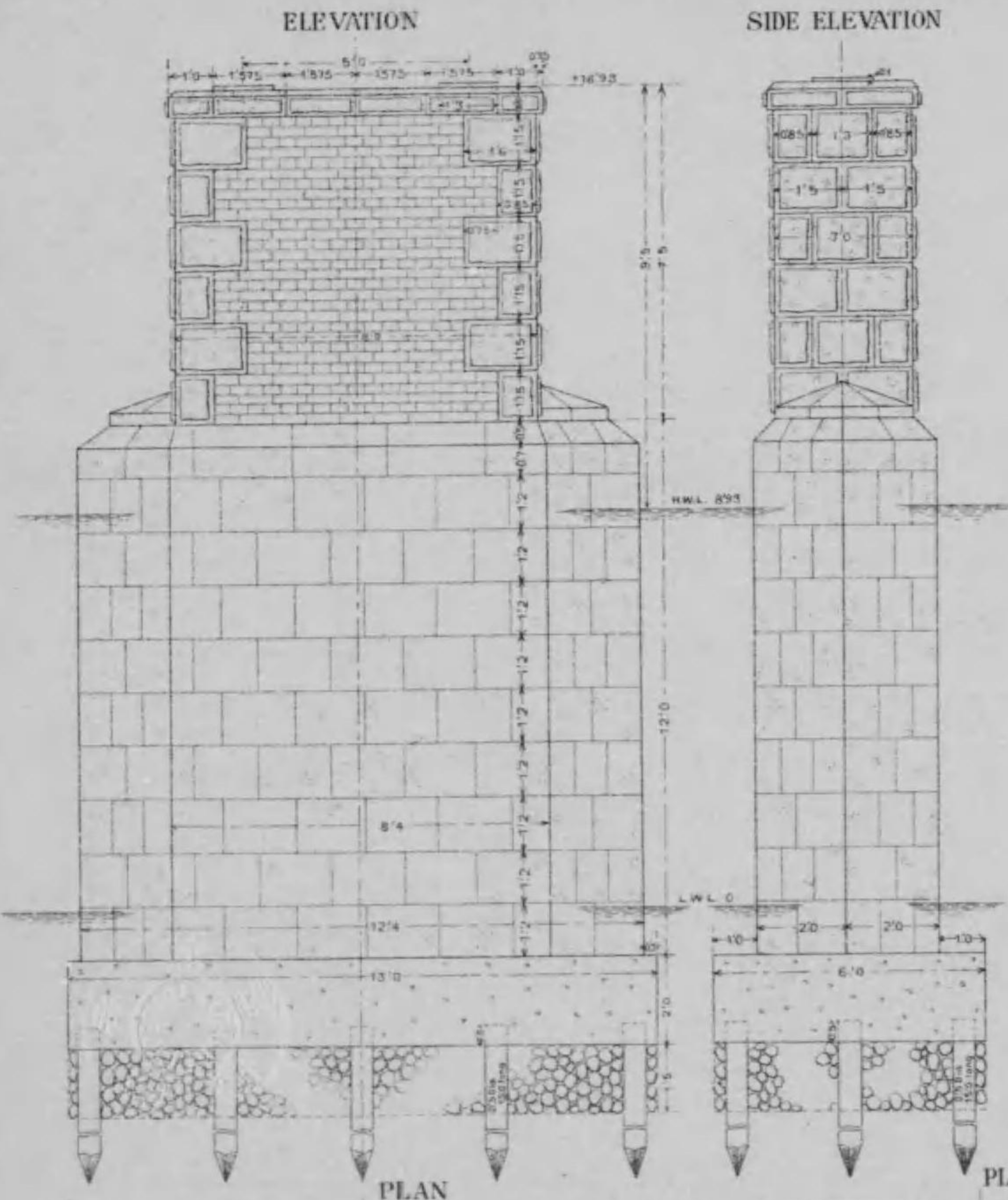
第九拾七號

4

PIER SCALE 1:50

辨天水管橋構造圖 其一

第九拾八號



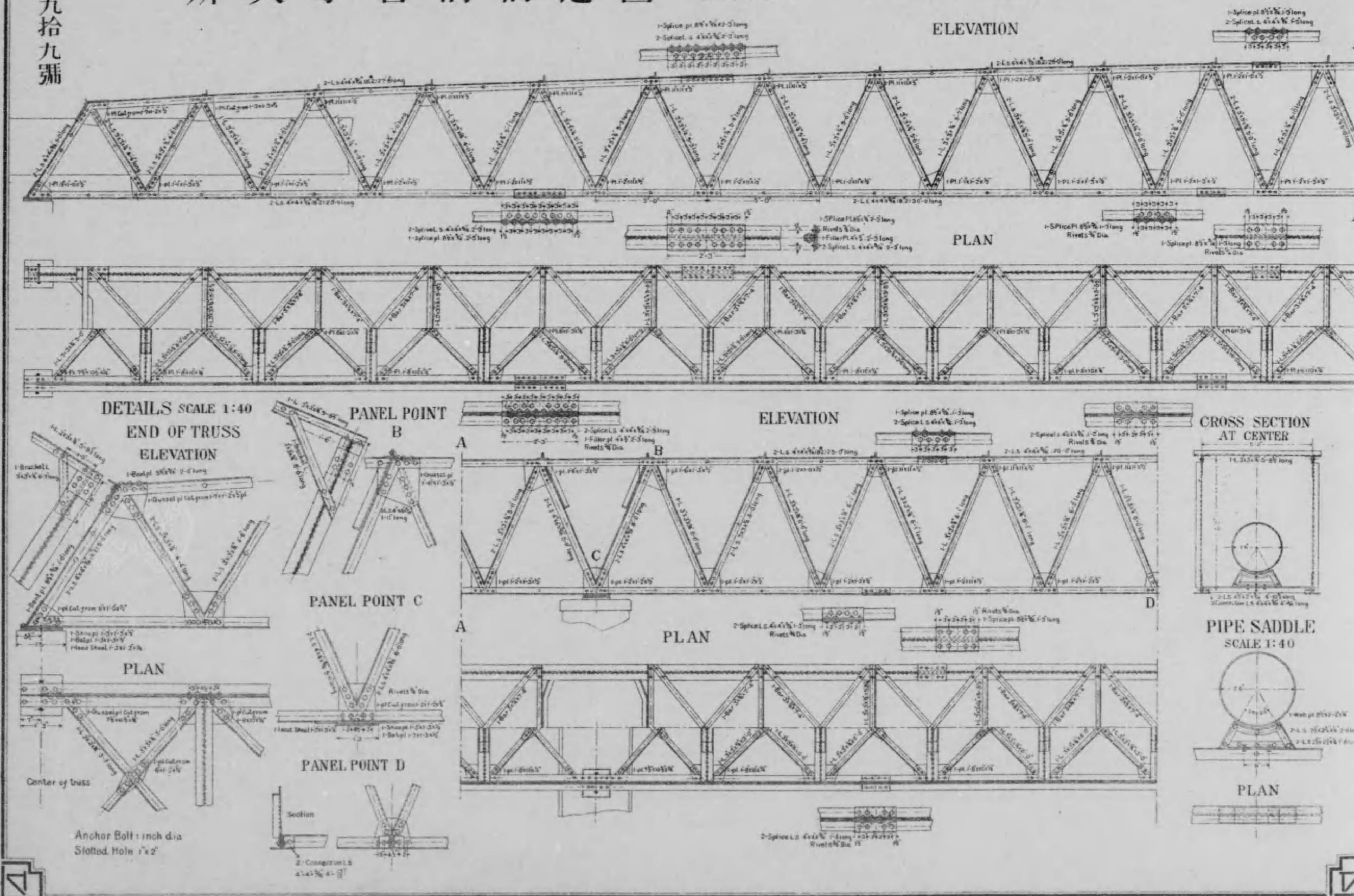
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4

第九拾九號

辨天水管橋構造圖 其二

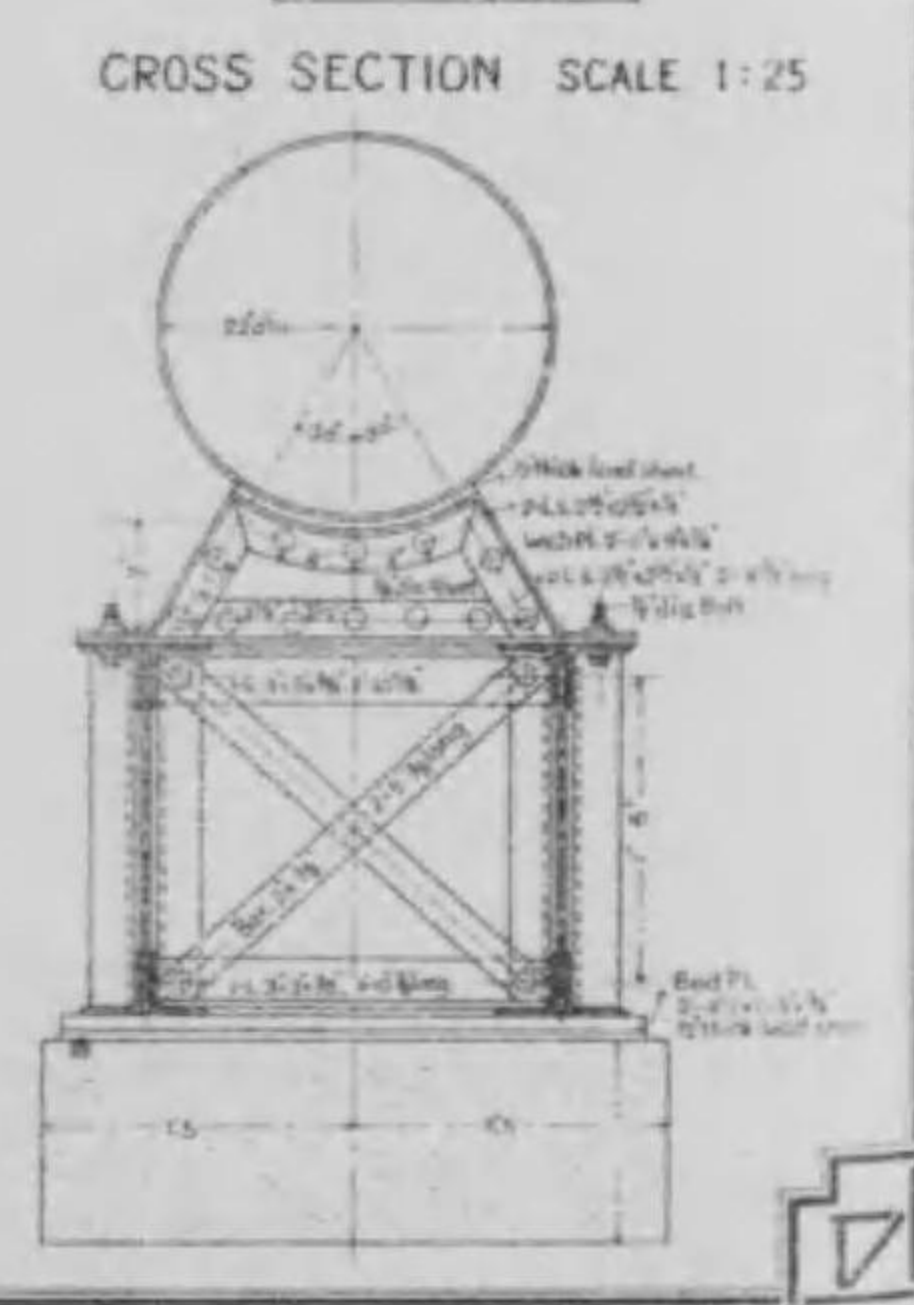
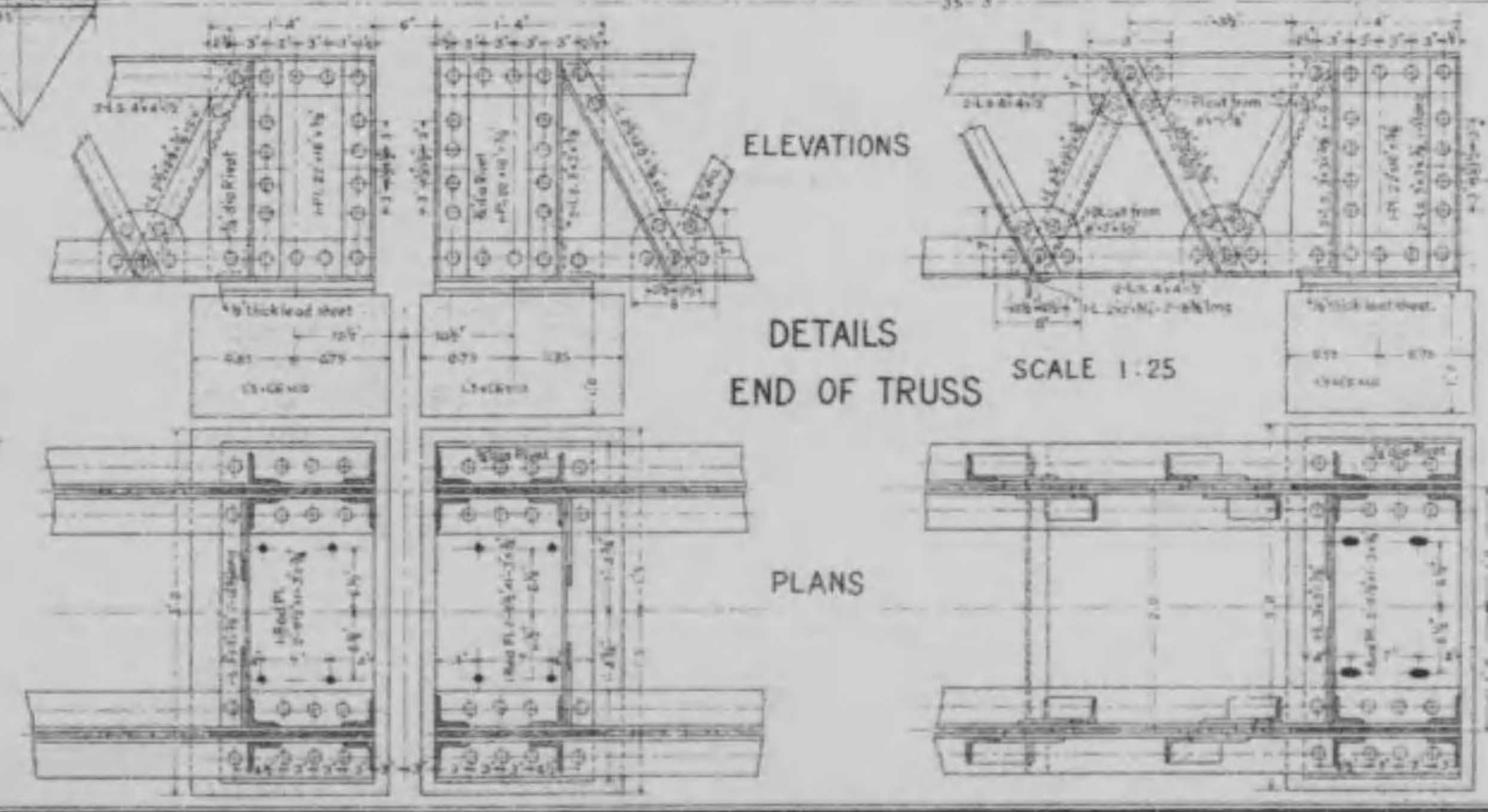
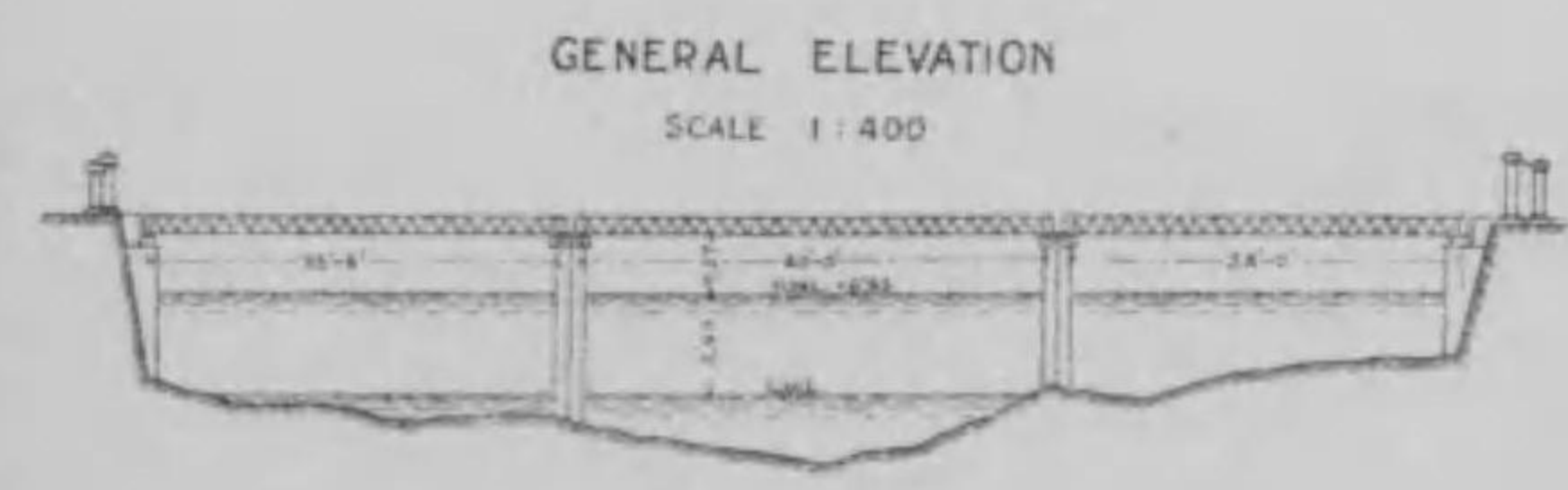
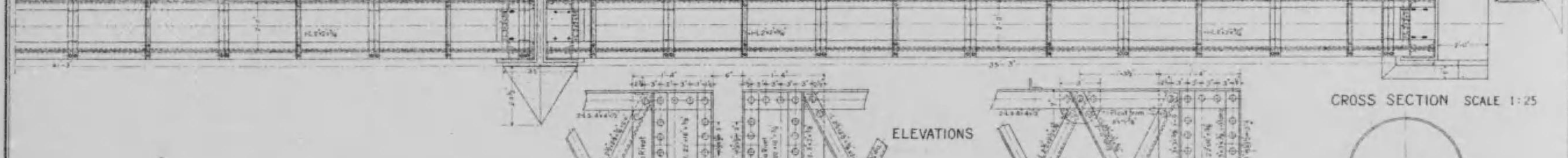
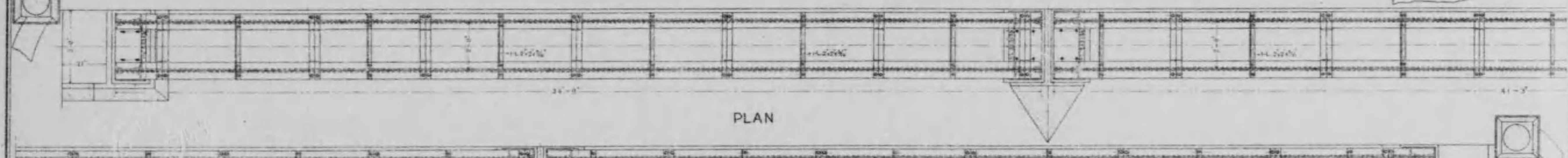
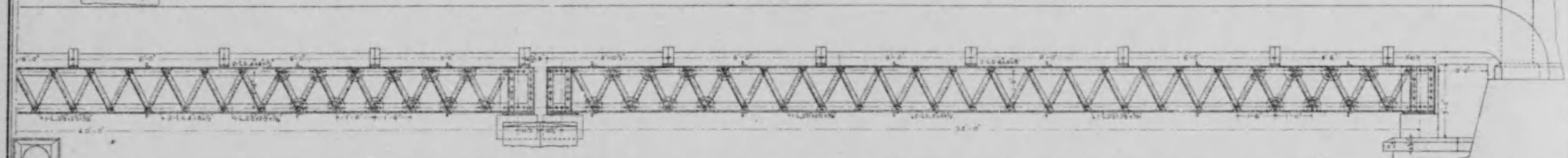
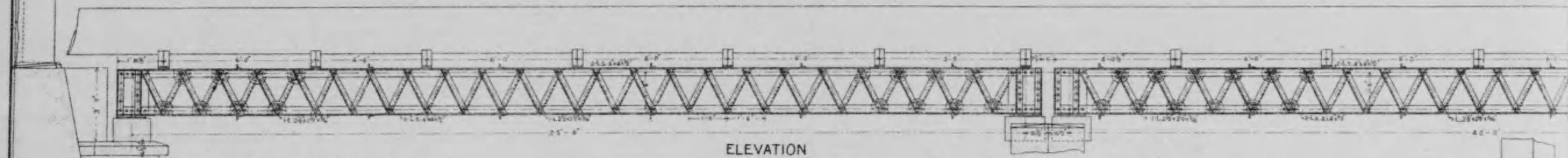
TRUSS SCALE 1:60



前田水管橋構造圖

第
百
號

TRUSS SCALE 1:60

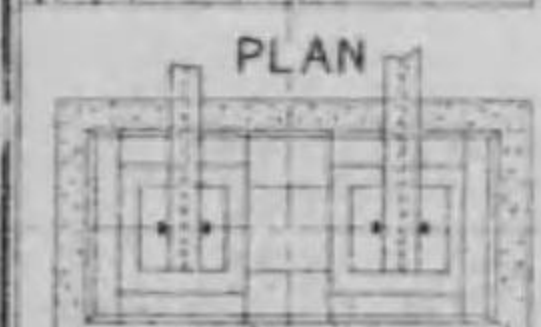
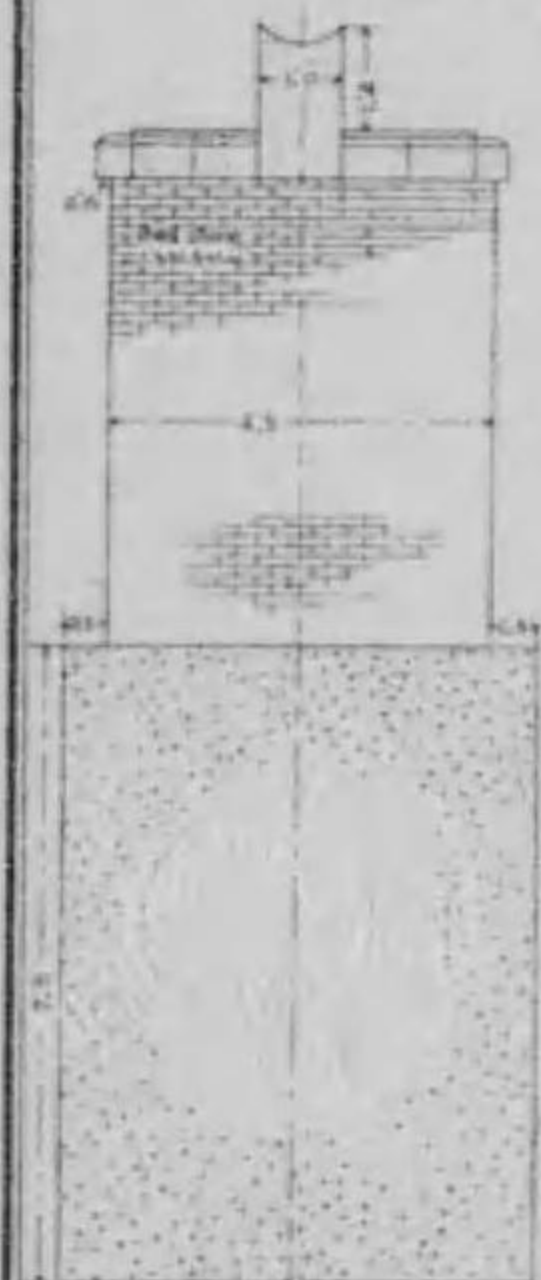


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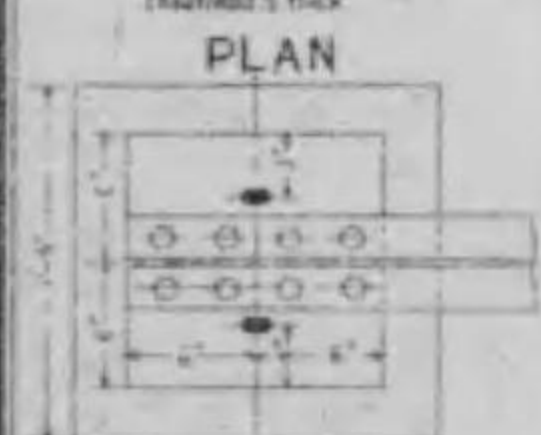
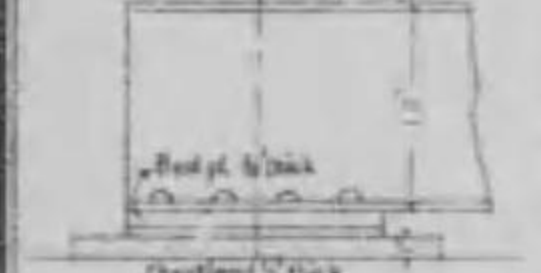
千秋水管橋構造圖

第百壹號

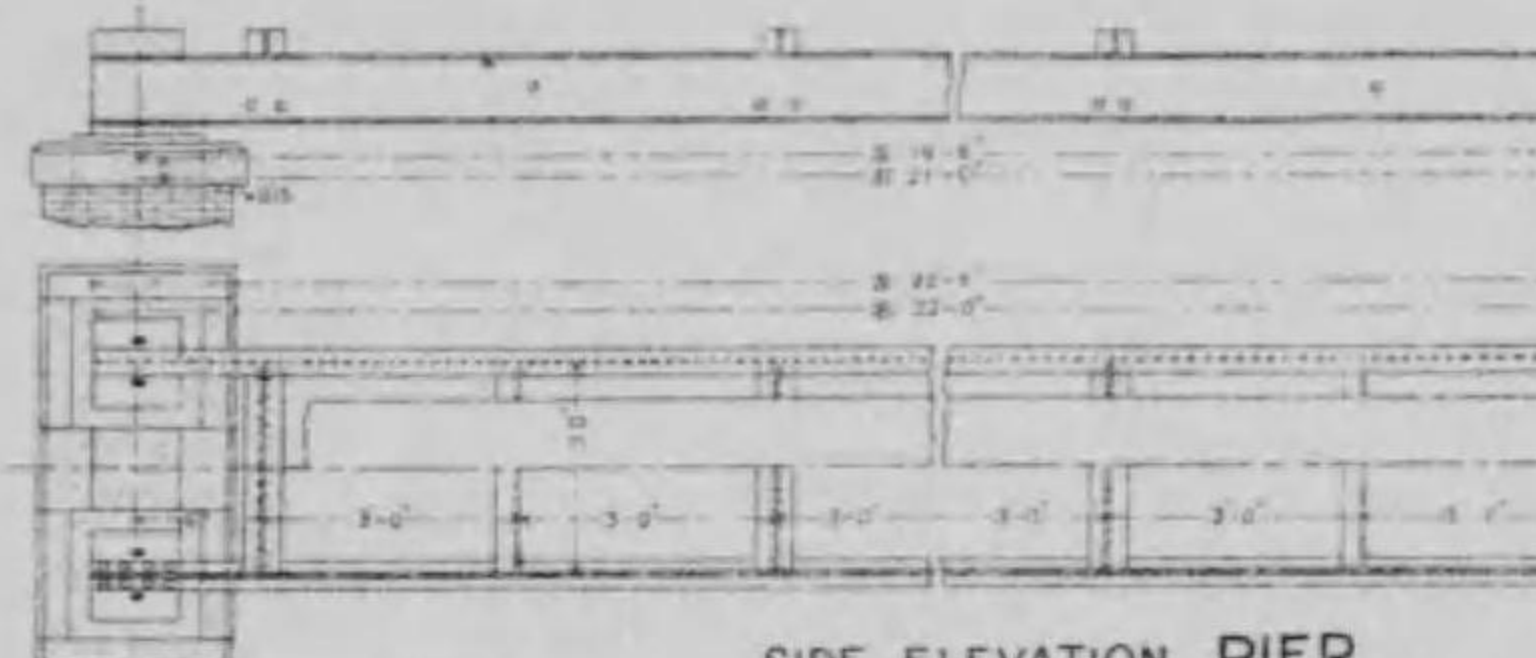
ABUTMENT
SCALE 1:60
ELEVATION



END OF GIRDER
ELEVATION



SCALE 1:60



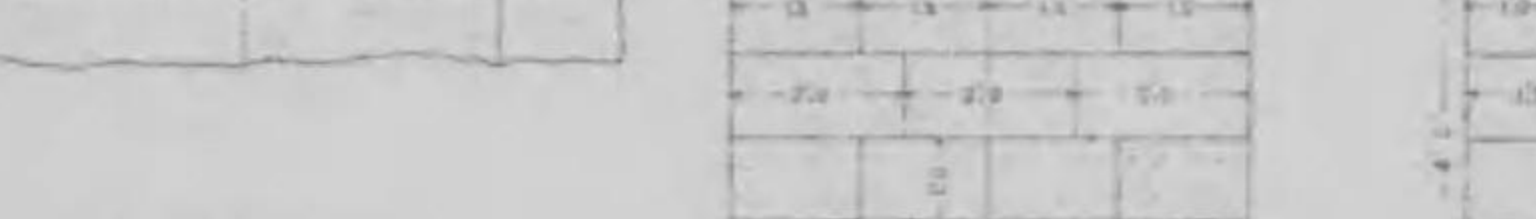
SIDE ELEVATION PIER
SCALE 1:60



TOP OF POST



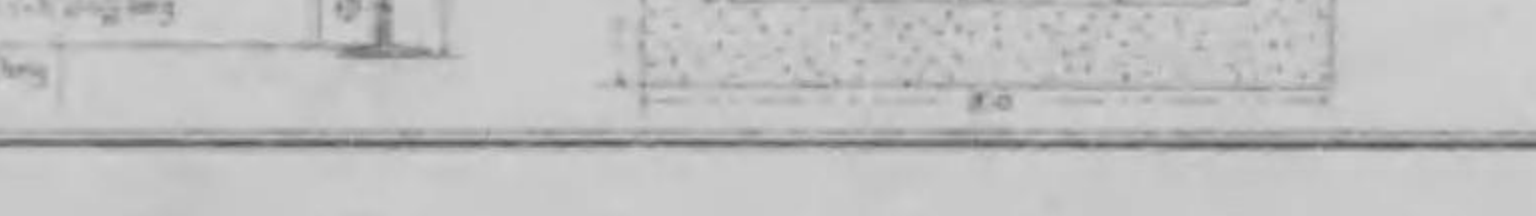
BOTTOM OF POST



PIPE SADDLE



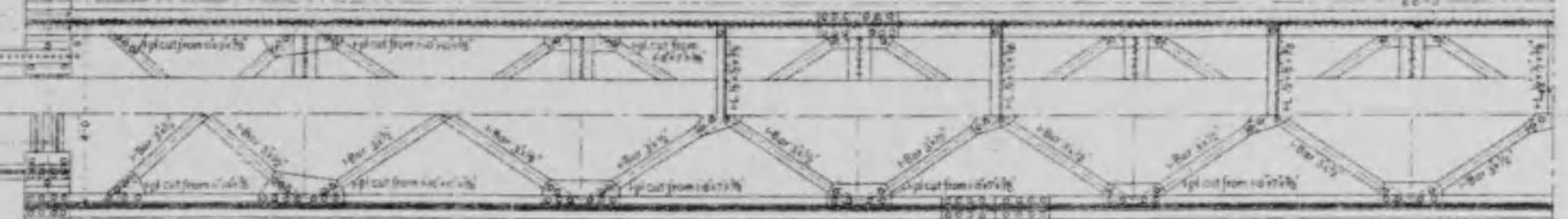
SCALE 1:20



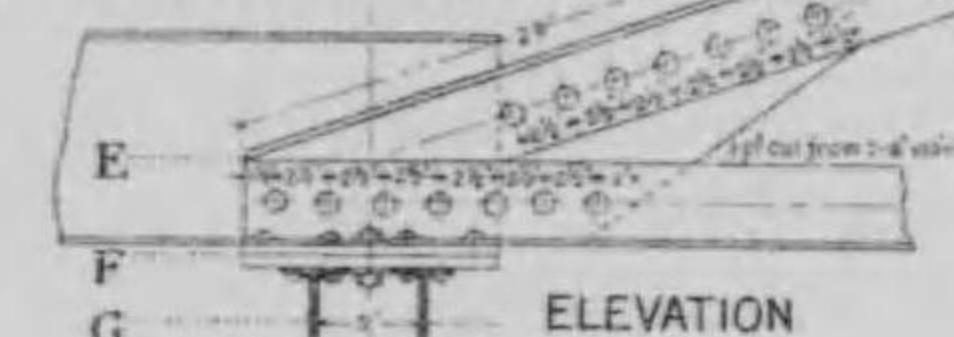
ELEVATION



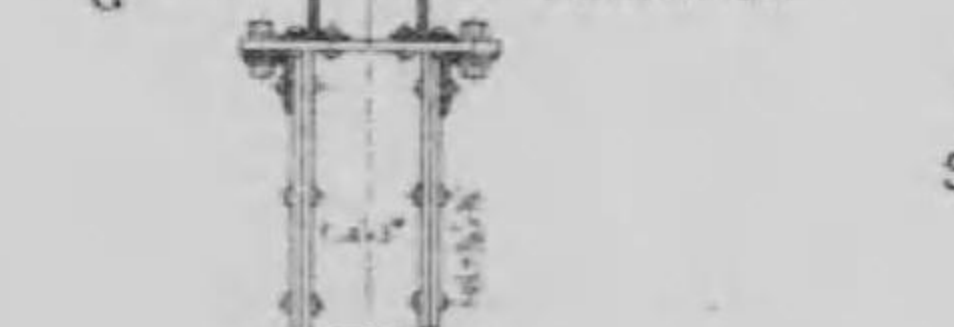
PLAN



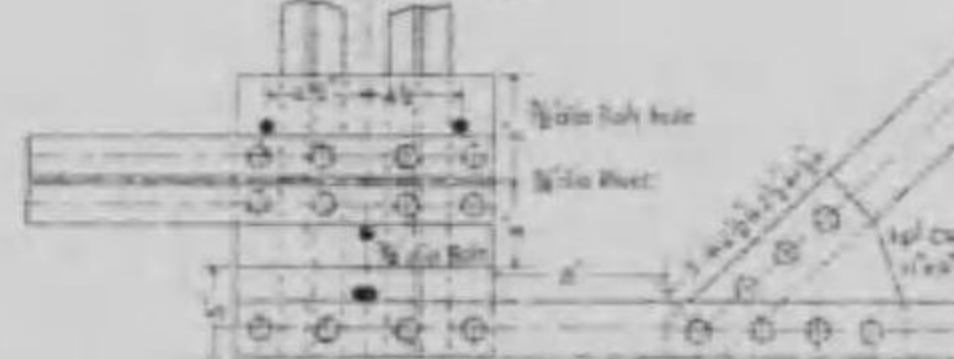
END OF TRUSS



ELEVATION



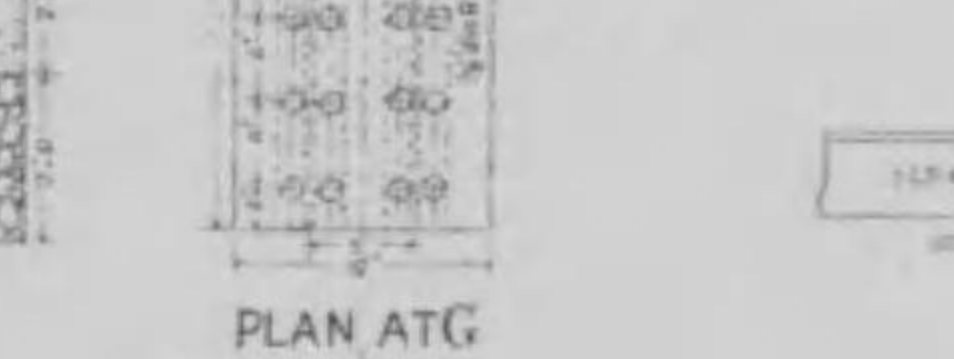
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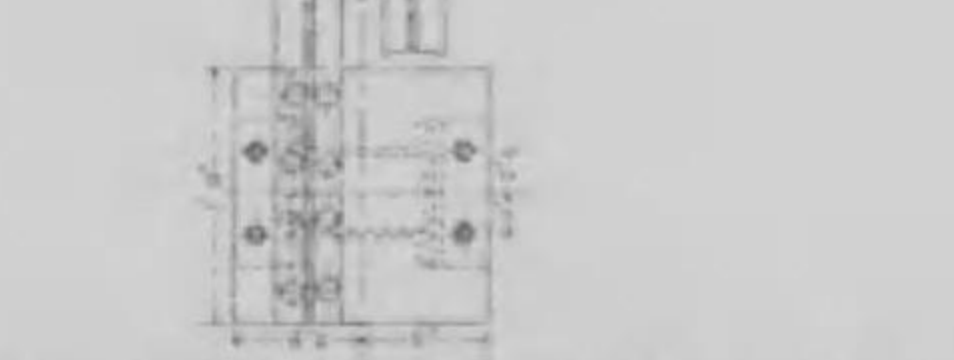
PLAN AT F



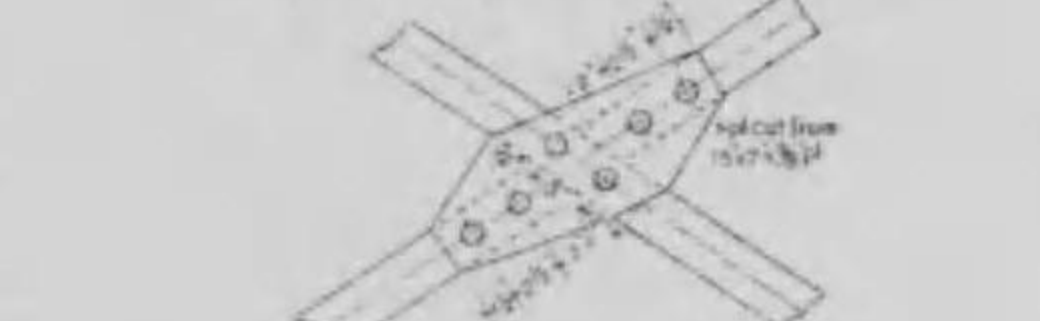
PLAN AT G



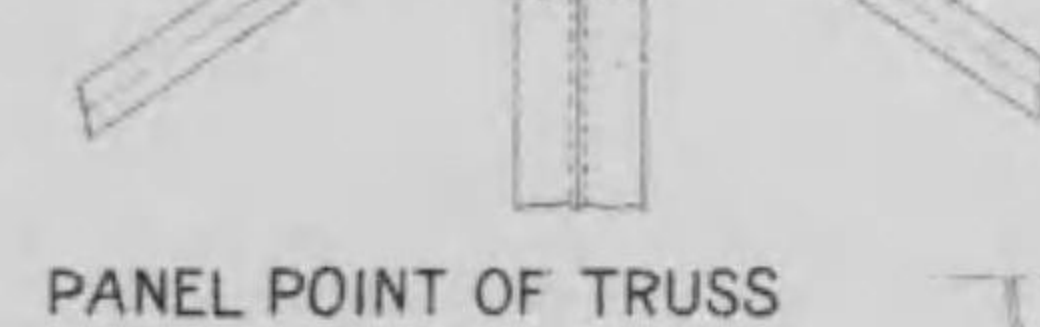
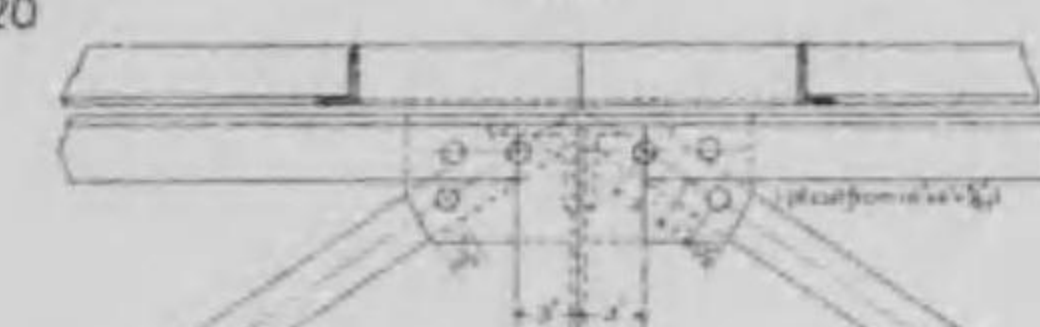
PLAN AT G



INTER SECTION OF LATERALS



PLAN



PANEL POINT OF TRUSS

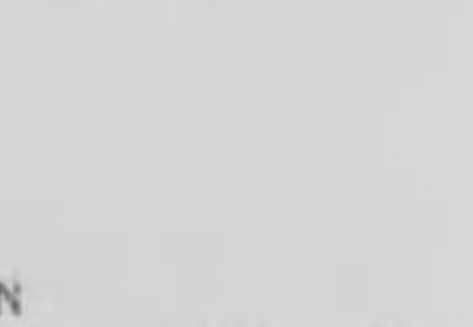
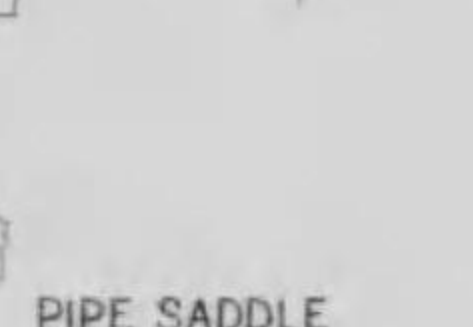
ELEVATION



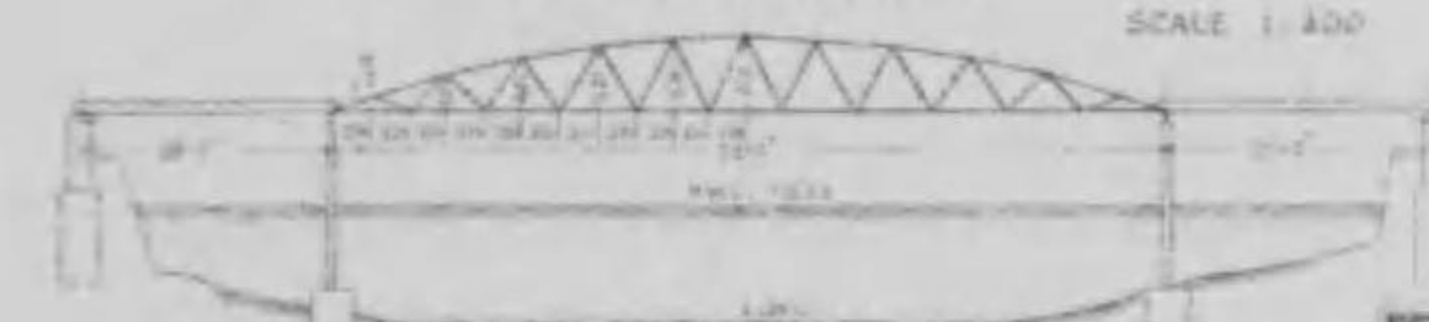
SECTION



A-B SECTION



GENERAL ELEVATION



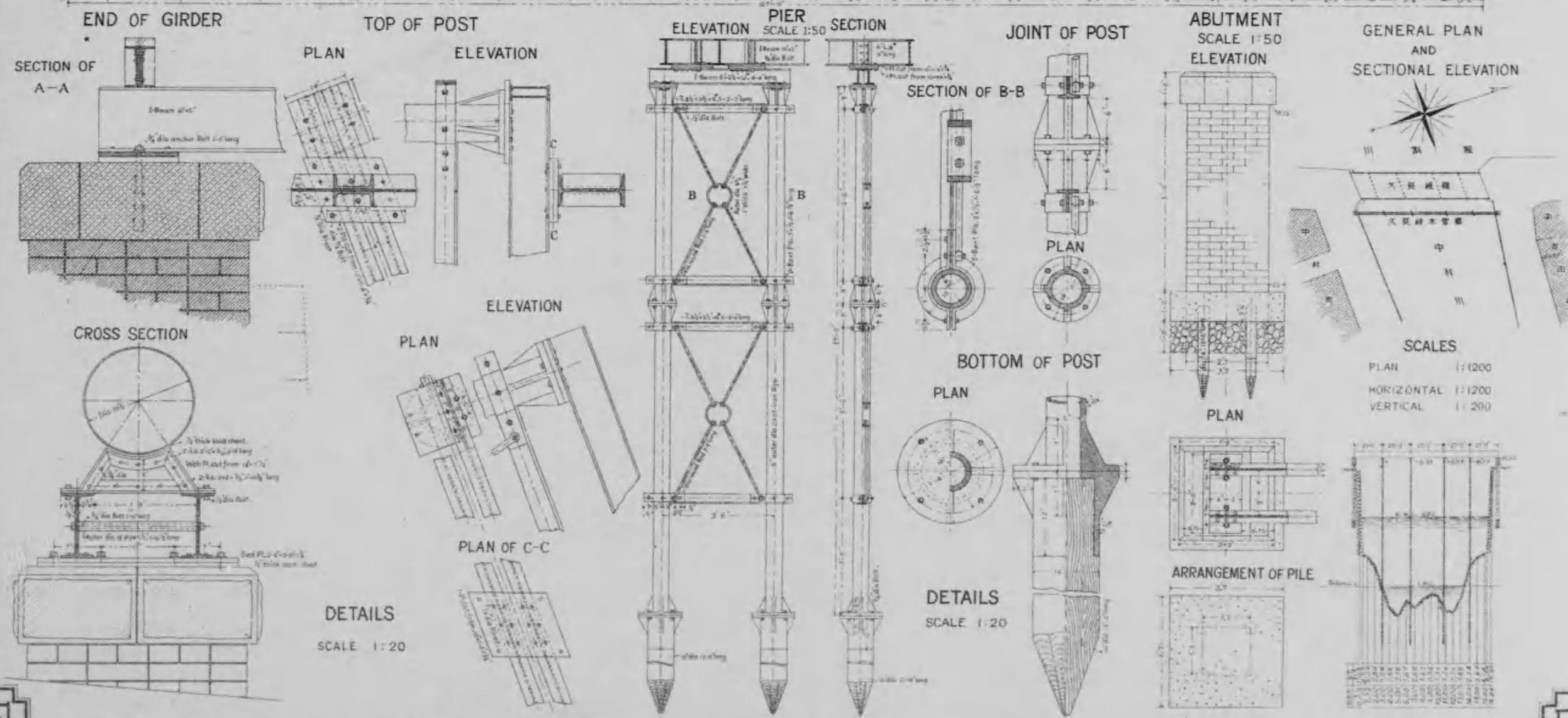
SCALE 1:400

久良岐水管橋構造圖

第百貳號

GIRDER SCALE 1:120

ELEVATION



野毛山浄水場平面圖

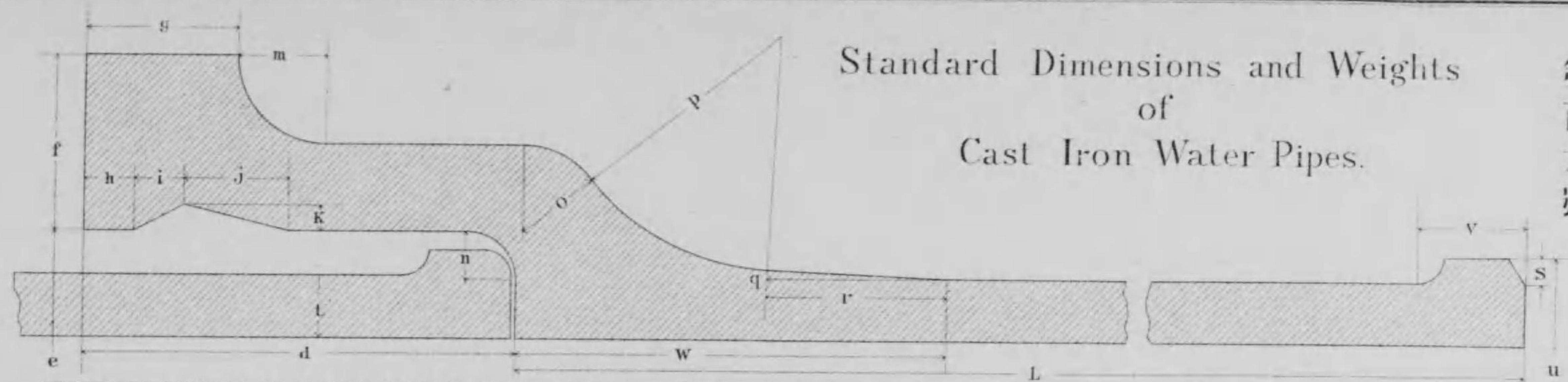
第百五號

縮尺 一十六百分之一



凡 例	
x ヴァルヴ	○ 消火栓
———	敷地境界線
———	配水管
———	四吋鐵管
———	八吋鐵管
———	十四吋鐵管
———	十五吋半鐵管
———	十八吋鐵管
———	二十吋鐵管
———	二十六吋鐵管

Standard Dimensions and Weights
of
Cast Iron Water Pipes.



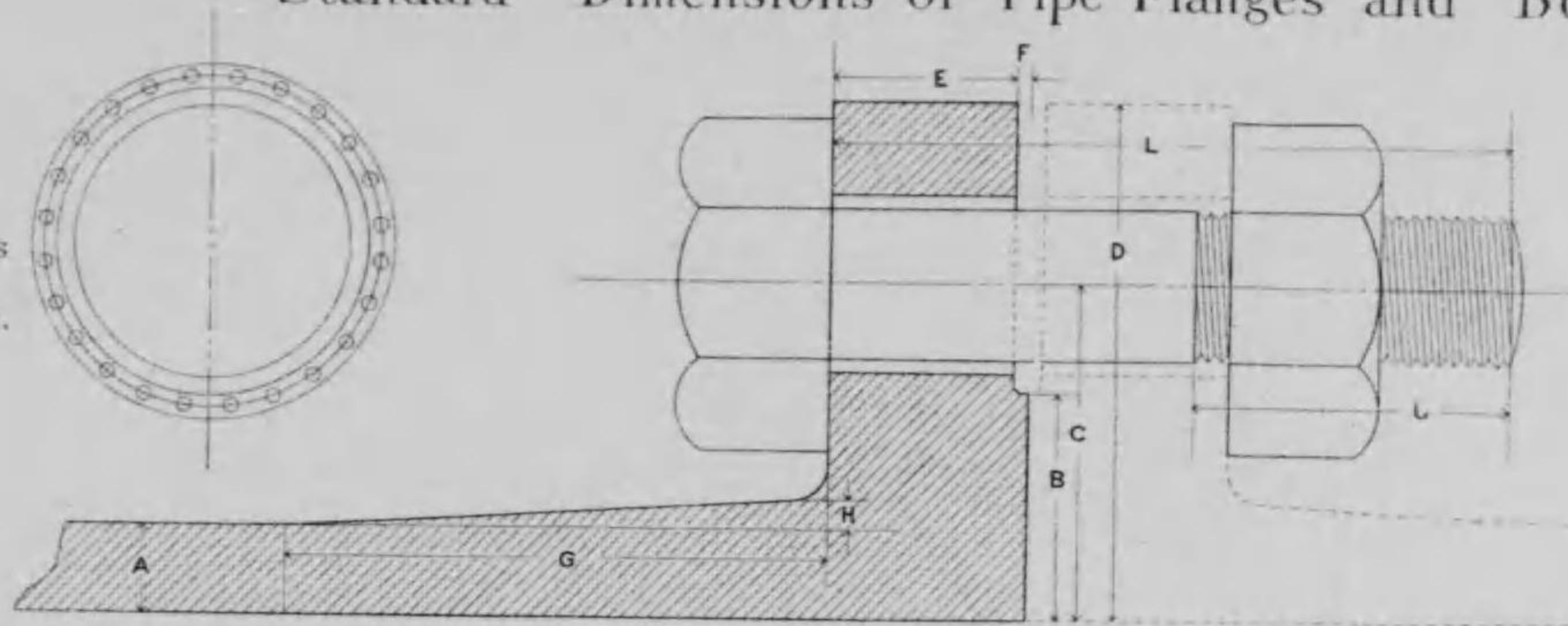
Nominal Diameter in ins.	Standard Dimensions																	Standard Weights in Pounds.								
	t	d	e	f	g	h	i	j	k	L	m	n	o	p	q	r	s	u	v	w	t	Nominal Diameter in ins.	Spigot	Socket	Straight Part Per foot	Total Weight.
B 42	1 1/2	5	45 1/2	2 1/4	2	11/32	11/32	1/8	1/4	in feet 12	1 1/8	1/16	1 1/8	2 1/2	1/32	2	1/4	41 1/2	1	3	1 1/8	42 B	5.26	526.58	476.28	6.247
C 42	1		45 1/2															44 1/2			1	42 C	5.23	501.70	422.13	5.572
A 38	1 1/4		41 1/2	2 1/16							1 3/32		1 3/32	2 1/32				41			1 1/4	38 A	4.82	431.90	481.65	6.217
B 38	1 1/2		41 1/2															40 1/2			1 1/2	38 B	4.79	428.09	432.10	5.618
C 38	1		41 1/2															40 1/2			1	38 C	4.76	425.32	382.86	5.024
S 36	1 1/4	4 1/2	39 1/2	2 1/2							1 1/4	1/2	1 1/4	1 1/8	1/8	1 1/8		39		4 1/2	1 1/4	36 S	4.58	364.20	457.10	5.854
A 36	1 1/2		39 1/2															38 1/2			1 1/2	36 A	4.55	362.17	410.01	5.287
B 36	1		39															38 1/2			1	36 B	4.52	359.83	363.23	4.723
C 36	1		38 1/2															38 1/2			1	36 C	4.49	357.68	316.75	4.163
A 32	1 1/2		35 1/2	2 3/8							1 1/16	1/2	1 1/16	2 1/16				34 1/2			1 1/2	32 A	4.07	337.71	365.84	4.732
B 32	1		35															34 1/2			1	32 B	4.05	335.40	323.96	4.227
A 30	1 1/2		33 1/2	2 1/4							1 1/8		1 1/8	2 3/8				32 1/2			1 1/2	30 A	3.79	298.43	324.00	4.190
C 28	1	4 1/2	30 1/2	2 1/16							1 1/2	1/16	1 1/2	2 1/16		1 1/2		30 1/2		4 1/2	1	28 C	3.56	260.74	248.03	3.241
A 26	1		28 1/2															28 1/2			1	26 A	3.34	246.03	265.06	3.430
A 24	1 1/16	4	26 1/2	2 1/16							1 1/32		1 1/32	2 1/8				26 1/2		4	1 1/16	24 A	3.12	207.63	229.51	2.965
B 24	1 1/16		26 1/2															26 1/2			1 1/16	24 B	3.10	204.51	197.91	2.583
A 22	1 1/8		24 1/2	1 7/8														24 1/2			1 1/8	22 A	2.84	187.89	196.49	2.549
B 22	1 1/16		24 1/2															24 1/2			1 1/16	22 B	2.82	168.65	181.96	2.355
A 20	1 1/8		22 1/2															22 1/2			1 1/8	20 A	2.60	157.66	179.31	2.312
A 18	1 1/16		20 1/2	1 1/16							11/32		11/32	2 1/16				20 1/2			1 1/16	18 A	2.35	148.85	150.05	1.952
B 18	1 1/16		20 1/2															20			1 1/16	18 B	2.33	145.70	138.05	1.695
A 15 1/2			17 1/8	1 1/4	1 1/2	1/8	1/8	11/16	1/32		1/8		1/8	2 1/16				17 1/2			1 1/2	15 1/2 A	1.64	113.58	119.64	1.551
A 12	1/8	3 1/2	14	1 1/16	1 1/8						23/32	1/8	23/32		1/32	1 1/2		13 1/2	1/4	3 1/2	1/8	12 A	1.12	67.96	77.46	99.8
A 10		3 1/2	12	1 1/2	1 1/4						1/2		1/2	2 1/16		1 1/2		11 1/2		3 1/2		10 A	0.85	57.05	65.19	84.0
A 8	1/2		9 1/2	1 1/2	1 1/8						11/16		11/16	2 1/16				9 1/2			1/2	8 A	0.68	42.22	41.72	54.4
A 6	1/16	3	7 1/2	1 1/16	1 1/8		11/32	11/32	1/4	1/16	11/32	11/32	11/32	1 1/16	1 1/4	1 1/16		7 1/4		3	1/16	6 A	0.53	26.62	27.65	35.9
A 6				1 1/4	1 1/16						9											6 A	0.53	26.62	27.65	27.6
A 4			5 1/2	1 1/4	1 1/16					10	1/8		1/8	1 1/16				5 1/4				4 A	0.38	18.95	19.06	21.0
A 4										9												4 A	0.38	18.95	19.06	19.1

Weights of spigot and socket denote those belonging to the outside parts of the outside diameter.

All dimensions in inches.

Standard Dimensions of Pipe Flanges and Bolts.

In all cases the vertical line passes between holes thus.

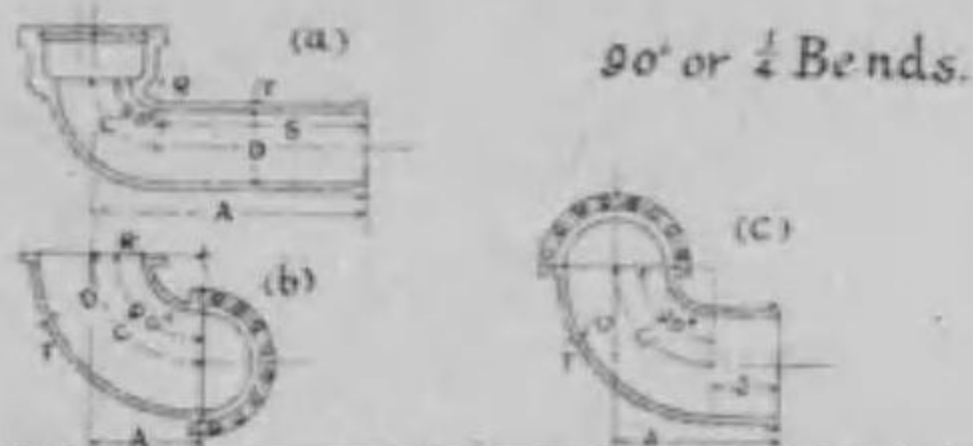


All dimensions in inches.

Diameter of Pipes	Dimensions of Flanges								Diameter of Pipes	Weight of Flanges in lbs.	Bolts.			
	A	B	C	D	E	F	G	H			Bolts in Flange	Diameter of Bolts	Diameter of Holes	Length of Bolts (L)
A 3	3/8	15/16	1 3/8	2 1/8	3/4	1/16	2 1/16	1/8	A 3	6.16	4	5/8	3/4	1 1/4
A 4	7/16	1 1/16	1 1/2	2 1/4	5/8	1/16	2 3/16	3/8	A 4	9.03	4	7/8	3/4	1 3/8
A 6	7/16	1 3/16	1 5/8	2 1/2	5/8	1/16	2 1/16	3/8	A 6	13.50	8	5/8	3/4	1 3/8
A 5	1 1/2	1 3/16	1 3/4	2 5/8	1	1/16	2 7/16	3/8	A 5	20.07	8	5/8	3/4	1 3/8
A 10	5/8	1 1/2	2	3	1	1/16	2 7/16	3/8	A 10	27.31	8	3/4	7/8	1 1/2
A 12	5/8	1 1/2	2	3	1 1/8	3/16	2 3/16	3/8	A 12	34.73	12	3/4	7/8	1 1/2
A 15 1/2	3/4	1 3/8	2 1/4	3 3/8	1 1/4	5/8	2 5/8	3/8	A 15 1/2	54.00	12	7/8	1	1 3/4
A 18	15/16	1 1/2	2 1/2	3 5/8	1 3/8	5/8	2 1/2	3/8	A 18	74.42	12	7/8	1	1 3/4
B 18	3/4	1 1/2	2 1/2	3 5/8	1 3/8	5/8	2 1/2	3/8	B 18	75.69	12	7/8	1	1 3/4
A 20	7/8	2	2 3/8	3 3/8	1 1/2	5/8	2 3/8	3/8	A 20	93.76	16	3/8	1	1 3/4
A 22	7/8	2 1/16	2 3/4	4	1 1/2	5/8	2 3/8	3/8	A 22	105.17	16	1	1 1/2	1 3/4
B 22	15/16	2 1/16	2 3/4	4	1 1/2	5/8	2 3/8	3/8	B 22	106.86	16	1	1 1/2	1 3/4
A 24	15/16	2 3/16	2 5/8	4 1/4	1 5/8	5/8	2 3/4	3/8	A 24	131.31	16	1	1 3/8	1 3/4
B 24	15/16	2 3/16	2 5/8	4 1/4	1 5/8	5/8	2 3/4	3/8	B 24	135.43	16	1	1 3/8	1 3/4
A 26	1	2 5/16	3	4 3/8	1 3/2	5/8	2 3/4	3/8	A 26	153.29	20	1	1 3/8	1 3/4
C 28	7/8	2 5/8	3 3/8	4 3/8	1 3/4	5/8	2 3/8	3/4	C 28	197.41	20	1 1/8	1 1/2	2 3/8
A 30	1 1/16	2 3/2	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	A 30	206.00	20	1 1/8	1 1/2	2 3/8
A 32	1 1/8	2 9/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	A 32	242.13	20	1 1/4	1 3/4	2 3/8
B 32	1	2 9/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	B 32	248.46	20	1 1/4	1 3/4	2 3/8
S 36	1 1/4	2 9/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	S 36	258.18	24	1 1/4	1 3/4	2 3/8
A 36	1 1/8	2 9/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	A 36	266.26	24	1 1/4	1 3/4	2 3/8
B 36	1	2 9/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	B 36	273.19	24	1 1/4	1 3/4	2 3/8
C 36	7/8	2 9/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	C 36	280.40	24	1 1/4	1 3/4	2 3/8
A 38	1 1/4	2 3/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	A 38	273.38	24	1 1/4	1 3/4	2 3/8
B 38	1 1/4	2 3/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	B 38	280.55	24	1 1/4	1 3/4	2 3/8
C 38	1	2 3/16	3 1/2	4 1/2	1 3/4	5/8	2 3/2	3/4	C 38	288.34	24	1 1/4	1 3/4	2 3/8
B 42	1 1/8	2 11/16	3 1/2	4 1/2	2	5/8	2 3/4	3/4	B 42	337.28	28	1 1/4	1 3/4	3 3/8
C 42	1	2 11/16	3 1/2	4 1/2	2	5/8	2 3/4	3/4	C 42	346.07	28	1 1/4	1 3/4	3 3/8

Weights of Flanges denote those weights belonging outside the outer diameter of every Pipe. Bolt and nuts to be made to Whitworth's standard.

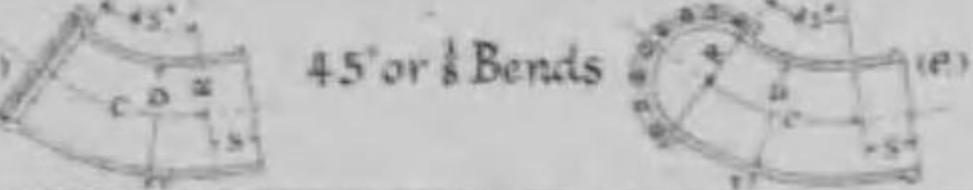
General Dimensions,
of
Special Pipes.
No. 1



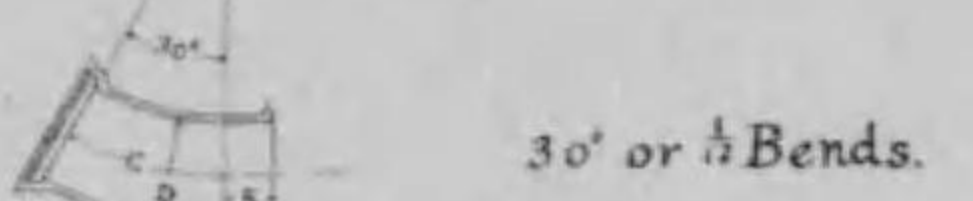
No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
16C	42	54	42	60	12	3,251	3,542	2
16A	38	38	38	56	11	2,481	2,552	1
16B	38	38	38	56	11	2,227	3,001	8
16C	30	30	30	42	8	2,052	2,528	3
17B	32	47.5	32	50.5	15.7	2,121	2,712	1
20A	30	44.5	30	47.5	14.9	1,976	2,122	15
18C	28	44	28	44	10	1,504	1,602	1
205A	20	41.7	20	40.8	15.2	1,180	1,624	11
53B	24	24	24	37.7	11	893	892	2
338A	24	37.4	24	34.0	18.4	920	1,075	1
271A	22	37.8	22	34.0	15.4	1,009	1,049	6
275A	20	34.0	20	31.4	14.0	848	852	17
137A	18	32.7	18	28.7	14.75	690	740	29
137B	18	32.7	18	28.3	14.74	643	710	2
130A	15	30.2	15	24.5	14.7	504	531	18
110A	12	23.0	12	18.5	14.5	262	276	27
289A	10	25.5	10	15.7	15.5	220	244	62
54A	8	25.4	8	12.0	17.4	147	150	62
287A	8	26.7	12	15.8	14.2	158	183	64
111A	6	26.5	6	14.2	14.58	82	87	8
790A	6	24.5	10	15.7	14.3	90	102	55
55A	4	15.7	4	12.0	14.7	48	68	4
332A	4	27.9	9	14.1	14.0	65	69	176



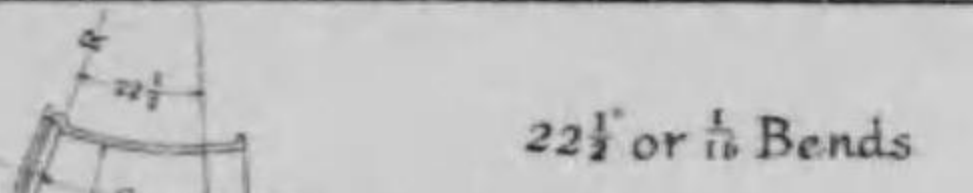
No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
103S	30	54	42	55.3	12	3,111	3,596	6
103B	30	54	42	55.3	12	2,544	3,525	3
340A	30	45	47.5	14.9	10	1,976	2,092	5
104A	24	30	37.7	15.3	10	1,724	1,280	6
272A	22	32	34.0	15.4	10	1,009	1,081	5
272A	20	30	31.4	14.0	10	848	909	5
137A	18	32.7	28.7	14.75	10	690	725	2
327A	15	22.6	24.5	14.7	10	504	539	11



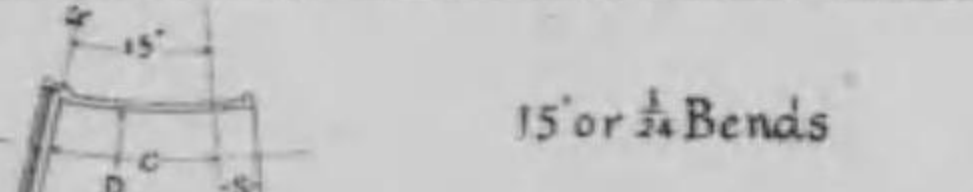
No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
123C	42	54	42	60	12	3,268	3,519	2
131B	38	38	38	56	11	2,025	3,209	64
132C	38	38	38	56	11	2,727	2,915	8
132S	30	30	30	42	8	2,862	3,150	41
132C	30	30	30	42	8	2,152	2,215	13
133A	30	30	30	42	8	2,152	2,701	24
134B	30	30	30	42	8	2,362	2,552	8
141A	30	60	30	31.4	14.9	1,893	1,954	7
208A	20	32	40.5	15.2	10	1,426	1,515	2
211A	24	48	37.7	15.3	10	1,329	1,402	14
211B	24	48	37.7	15.3	10	899	1,044	6
212B	24	48	37.7	15.3	10	930	1,024	4
139A	20	44	34.5	14.5	10	1,044	1,094	2
277A	20	40	34.0	14.0	10	893	895	8
140A	18	30	28.7	14.75	10	691	678	18
130A	15	33	23.5	14.7	10	474	485	12
112A	12	24	18.5	14.5	10	262	273	18
284A	10	30	15.7	15.5	10	210	217	5
57A	8	10	12.0	17.4	10	147	152	50
291A	6	20	15.7	14.3	10	84	93	19
332A	4	18	14.1	14.0	10	61	63	347



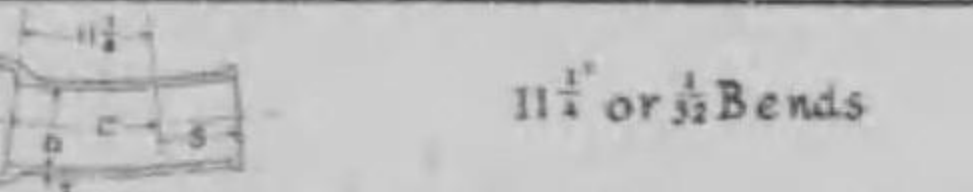
No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
58B	38	114	59.3	12.9	1 1/2	3,015	5,088	2
20S	36	108	56.3	9.5	1 1/2	2,883	3,074	4
20C	36	108	56.3	9.5	1 1/2	2,104	2,324	13
201A	30	90	47.1	15.2	1 1/2	1,895	2,028	8
267A	20	78	40.8	12.2	1 1/2	1,420	1,485	2
165A	24	72	37.7	10.3	1 1/2	1,129	1,199	37
278A	20	60	31.4	11.0	1 1/2	805	890	8
142A	18	54	28.7	11.75	1 1/2	651	692	22
126A	15	48	24.5	11.7	1 1/2	474	493	17
143A	12	30	18.8	11.2	1 1/2	282	285	5
59A	8	24	12.0	15.4	1 1/2	147	155	7



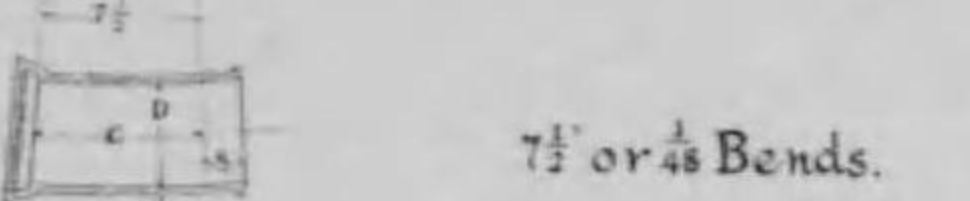
No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
60B	38	152	59.7	6.3	1 1/2	2,809	2,837	2
61S	36	144	56.3	9.5	1 1/2	2,883	3,132	11
61B	36	144	56.3	9.5	1 1/2	2,362	2,595	1
61C	36	144	56.3	9.5	1 1/2	2,104	2,362	10
262A	30	120	47.1	8.9	1 1/2	1,814	1,908	4
268A	26	104	40.8	9.7	1 1/2	1,354	1,444	3
166A	24	90	37.7	9.5	1 1/2	1,107	1,157	23
273A	22	68	34.0	8.4	1 1/2	895	893	3
279A	20	60	31.4	9.6	1 1/2	758	816	15
144A	18	72	28.7	8.75	1 1/2	615	639	16
329A	15	62	24.5	8.7	1 1/2	444	478	27
145A	12	48	18.8	8.2	1 1/2	243	268	3
283A	10	40	15.7	8.3	1 1/2	194	204	15
288A	8	32	12.0	11.4	1 1/2	126	134	64
292A	6	40	15.7	8.3	1 1/2	85	92	51
354A	4	36	14.1	9.0	1 1/2	57	60	422



No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
62B	38	228	59.7	6.3	1 1/2	2,809	3,000	7
62C	38	228	59.7	6.3	1 1/2	2,556	2,707	8
63S	36	216	56.3	9.5	1 1/2	2,883	3,050	10
63A	36	216	56.3	9.5	1 1/2	2,362	2,588	5
63B	36	216	56.3	9.5	1 1/2	2,104	2,466	3
63C	36	216	56.3	9.5	1 1/2	2,104	2,244	19
265A	30	180	47.1	8.9	1 1/2	1,814	1,923	3
269A	26	156	40.8	9.7	1 1/2	1,354	1,506	3
167A	24	144	37.7	9.5	1 1/2	1,107	1,197	5
168A	22	132	34.0	8.4	1 1/2	895	950	4
280A	20	120	31.4	8.6	1 1/2	758	829	15
147A	18	108	28.7	8.75	1 1/2	615	644	27
330A	15	92	24.5	8.7	1 1/2	444	472	58
148A	12	72	18.8	8.2	1 1/2	243	244	14

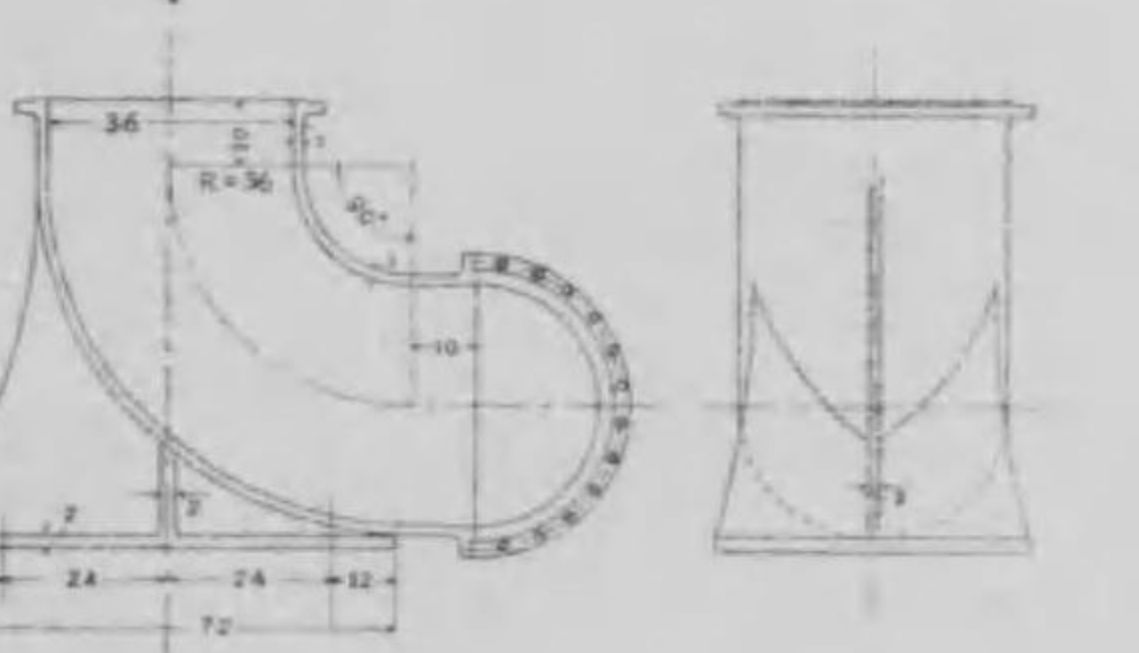
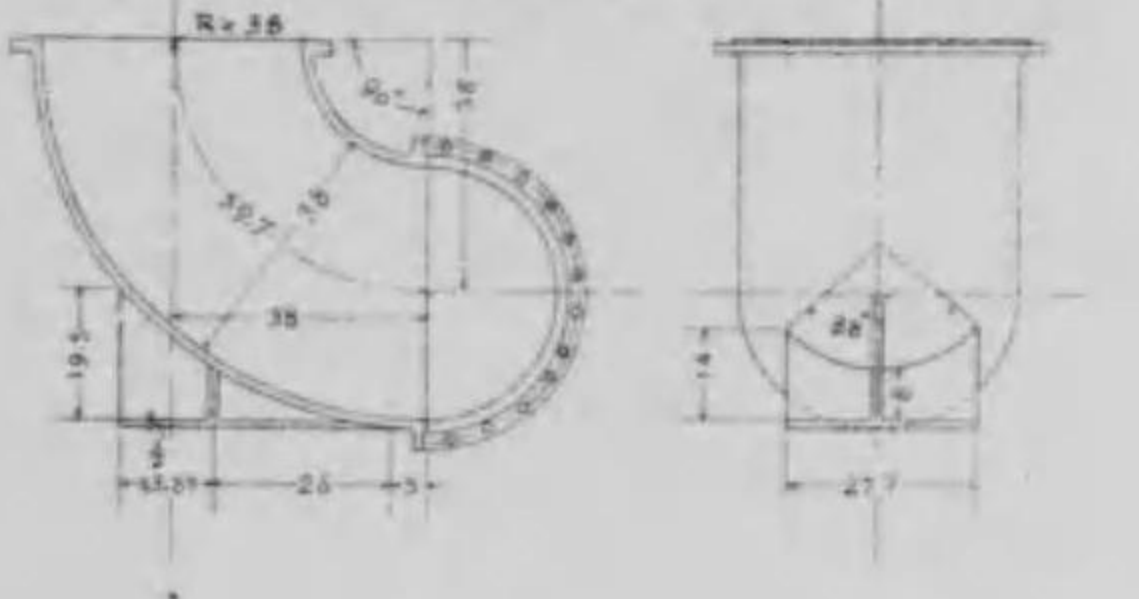


No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
286A	10	60	15.7	9.3	1 1/2	194	200	30
289A	8	44	12.0	11.4	1 1/2	126	137	38
305A	6	60	15.7	9.3	1 1/2	87	92	46
355A	4	72	14.1	9.9	1 1/2	57	60	325

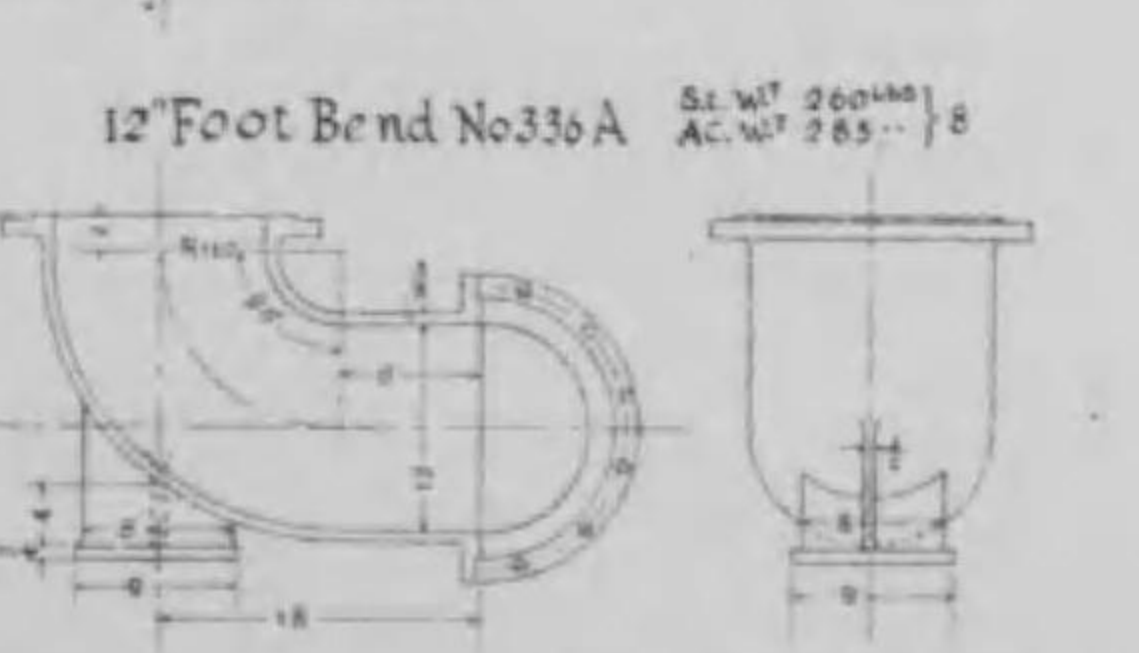


No.	Sp. of Pipe	R	C	S	T	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
64B	38	456	59.7	6.3	1 1/2	2,809	2,947	44
64C	38	456	59.7	6.3	1 1/2	2,556	2,692	10
65A	36	452	56.3	9.5	1 1/2	2,622	2,710	34
65B	36	452	56.3	9.5	1 1/2	2,362	2,461	2
65C	36	452	56.3	9.5	1 1/2	2,104	2,218	24
165S	30	432	56.3	9.5	1 1/2	2,883	3,077	16
264A	30	360	47.1	8.9	1 1/2	1,814	1,920	4
270A	28	312	40.8	9.7	1 1/2	1,354	1,484	2
168A	24	288	37.7	9.5	1 1/2	1,107	1,053	20
274A	22	264	34.0	8.4	1 1/2	895	957	5
281A	20	240	31.4	8.6	1 1/2	758	825	40
169A	18	216	28.7	8.75	1 1/2	615	648	34
351A	15	186	24.5	8.7	1 1/2	444	460	52
282A	12	144	18.8	8.2	1 1/2	243	207	15
66A	8	96	12.5	11.5	1 1/2	126	122	3

38" Foot Bend No. 300C St. W^t 2,800^{lbs} Ac. W^t 3,208^{lbs} 2

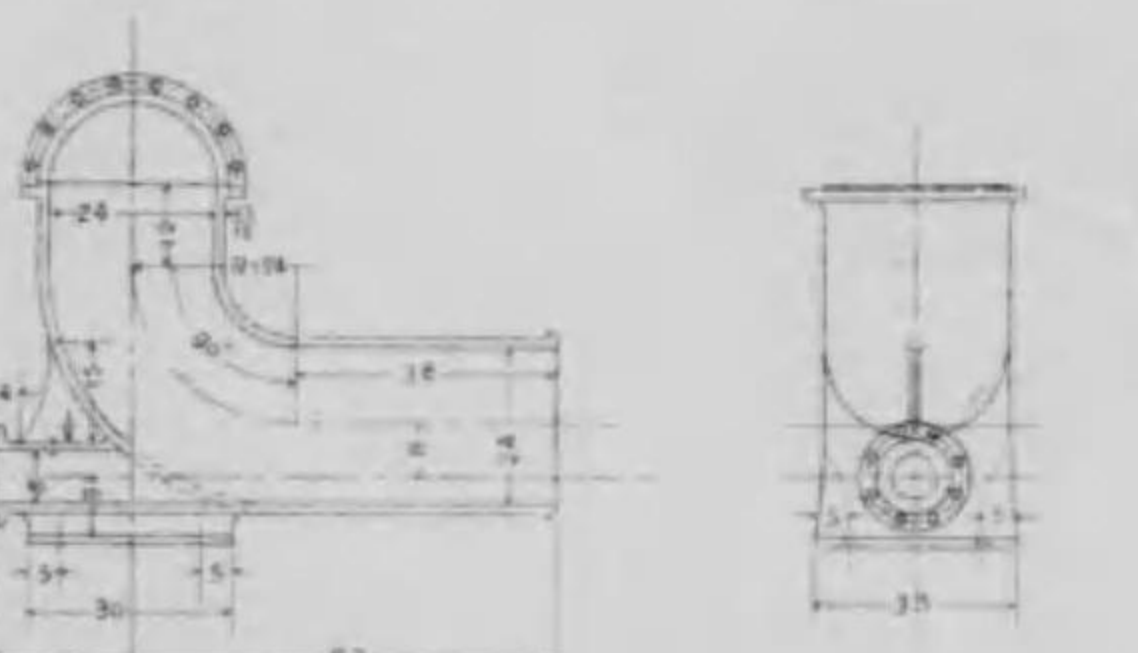
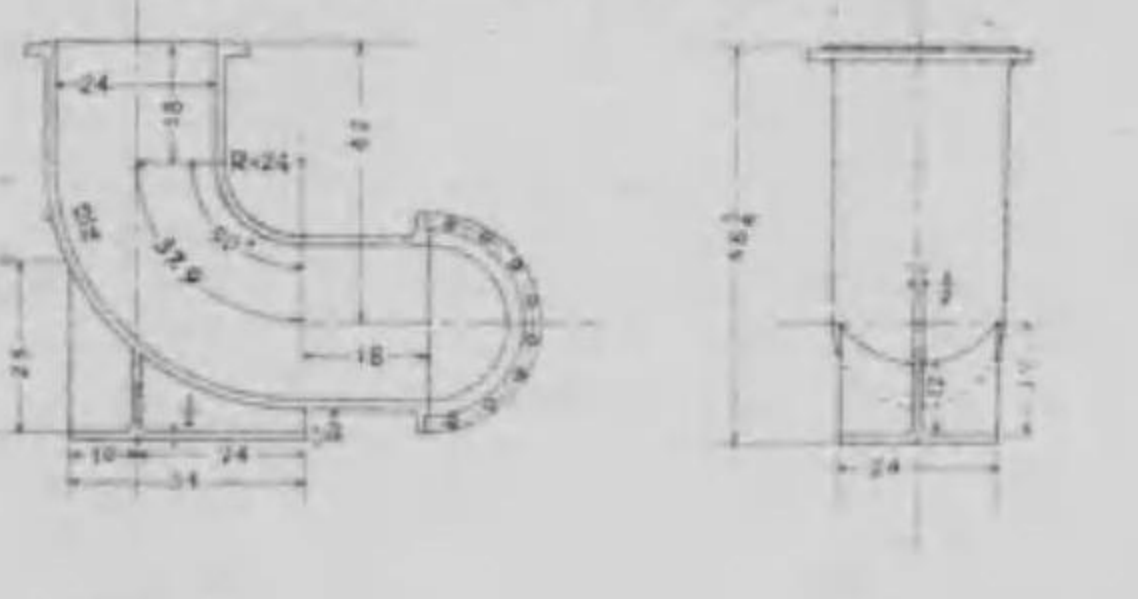


36" Foot Bend No. 339C 2 St. W^t 5,330^{lbs} Ac. W^t 6,246^{lbs}

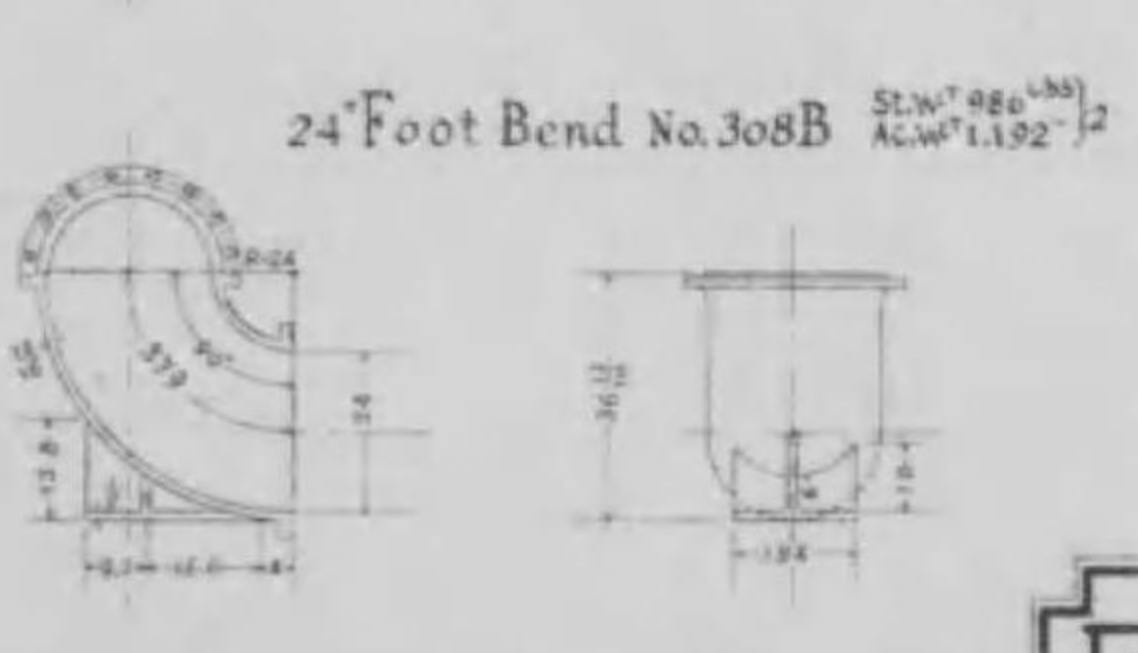


12" Foot Bend No. 336A St. W^t 260^{lbs} Ac. W^t 285^{lbs} 8

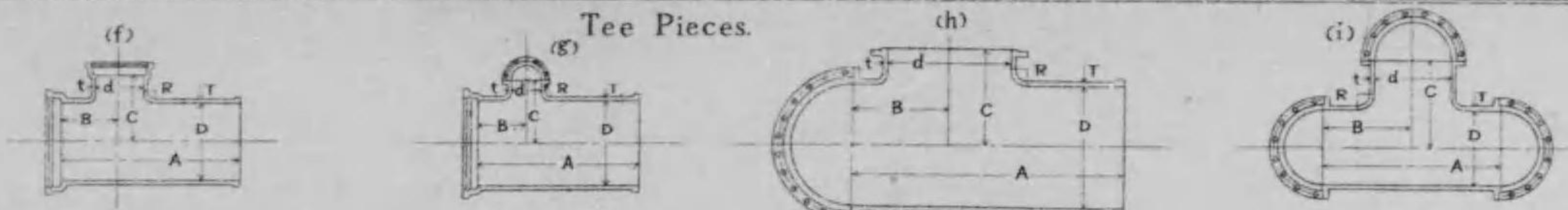
24" Foot Bend No. 307B St. W^t 1,675^{lbs} Ac. W^t 2,103^{lbs} 1



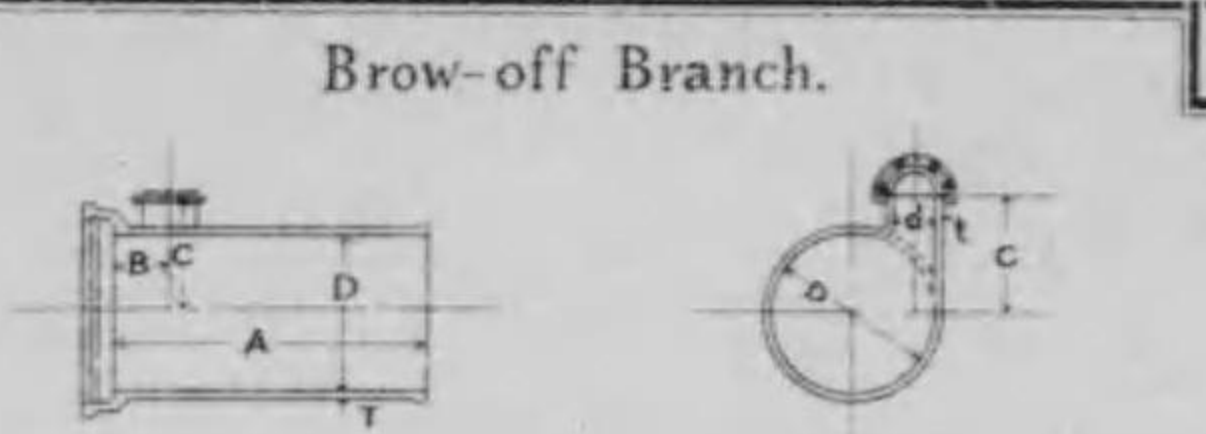
24" Foot Bend With 8" Branch Pipe No. 338B 2 St. W^t 2,082^{lbs} Ac. W^t 2,304^{lbs}



24" Foot Bend No. 308B St. W^t 880^{lbs} Ac. W^t 1,192^{lbs} 2



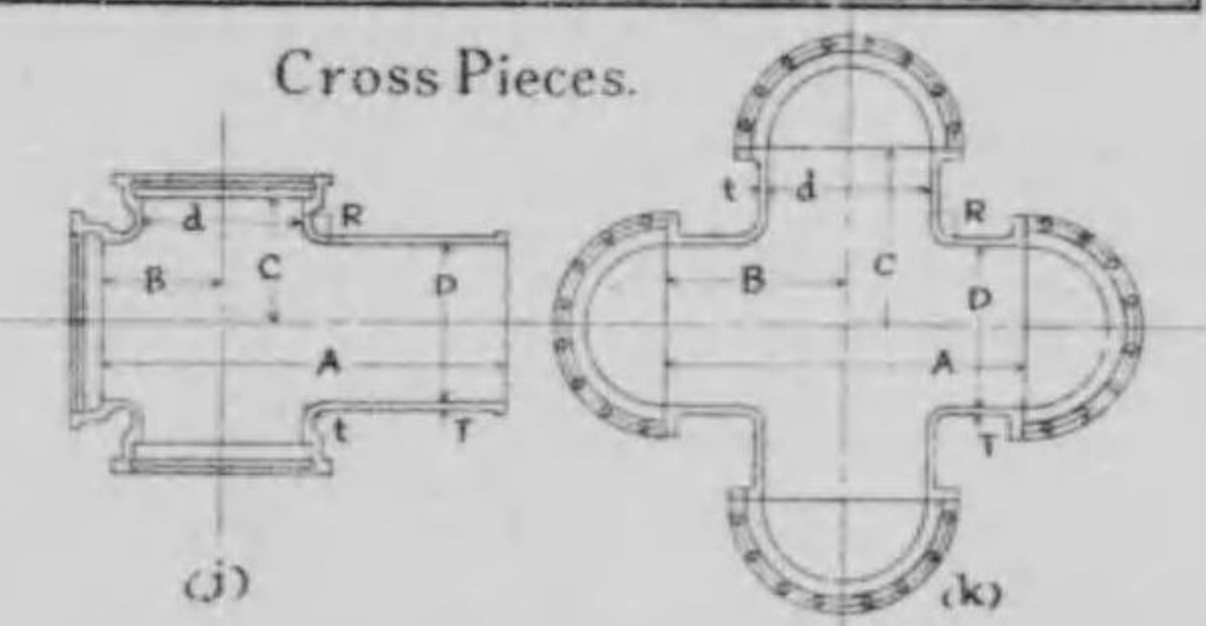
Tee Pieces.



Brow-off Branch.

No.	Dia of Pipes D x d	A	B	C	R	T x t	Standard W ^t in lbs.				Actual W ^t in lbs.				Numbers												
							(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)													
11 C	42x42	84	33	33	4 1/2	1	4.143				4.898			2	189 A	22x8	4.6	12	17 1/2	2	1/2 x 3/8	995		1,033		1	
14 C	42x42	84	33	33	4 1/2	1		3,988			4,707			2	211 A	22x4	42 1/2	10 1/2	18 1/2	1 1/2	1/2 x 3/8	903		904		2	
12 C	42x42	72	28 1/2	28 1/2	4 1/2	1	3,404				3,990			7	190 A	20x15 1/2	54	16	16	2 1/2	1/2 x 3/8	1,102		1,170		1	
104 C	38x38	84	30 1/2	30 1/2	4 1/2	1			3,427		4,117			3	191 A	20x10	48	15	15	2	1/2 x 3/8	938		977		2	
503 C	38x38	84	30 1/2	30 1/2	4 1/2	1	3,701				4,204			1	192 A	20x8	46	12	17	2	1/2 x 3/8	901		967		3	
173 C	38x24	66	25 1/2	27 1/2	2 1/2	1 x 1/2	2,686				3,000			1	193 A	20x6	44	11	11	1 1/2	1/2 x 3/8	852		850		1	
174 C	38x15 1/2	37	19 1/2	20 1/2	2 1/2	1 x 1/2	2,330				2,584			1	212 A	20x4	42	10	17	1 1/2	1/2 x 3/8	804		877		3	
405 B	38x15 1/2	48	20	25	2 1/2	1 x 1/2	2,226				2,583			1	213 A	20x3	41	9 1/2	17	1 1/2	1/2 x 3/8	784		810		3	
42 B	38x8	48	16	20 1/2	2 1/2	1 x 1/2	2,187				2,320			2	134 A	18x18	54	17	17	3 1/2	1/2 x 3/8	1,030		1,100		1	
43 C	38x6	48	15	20 1/2	2 1/2	1 x 1/2	1,988				2,062			2	400 B	18x18	45	15	15	3 1/2	1/2 x 3/8	827		882		1	
44 B	38x4	48	14	20 1/2	2 1/2	1 x 1/2	2,178				2,250			4	194 A	18x15 1/2	53	15 1/2	16 1/2	2 1/2	1/2 x 3/8	909		1,046		1	
44 C	38x4	48	14	20 1/2	2 1/2	1 x 1/2	1,978				2,085			4	95 A	18x12	48	13 1/2	15	2 1/2	1/2 x 3/8	832		882		1	
45 B	38x3	42	13	20 1/2	2 1/2	1 x 1/2	1,951				2,050			9	196 A	18x10	47	12 1/2	15	2	1/2 x 3/8	809		841		2	
45 C	38x3	42	13	20 1/2	2 1/2	1 x 1/2	1,780				1,874			2	197 A	18x8	46	12	15	2	1/2 x 3/8	776		803		4	
180 S	36x30	72	26	26	3 1/2	1 1/2 x 1 1/2	3,320				4,017			1	159 A	16x4	42	10	16	1 1/2	1/2 x 3/8	692		733		6	
13 C	36x28	72	25	25	4	1 x 1/2	2,598				3,016			7	214 A	18x3	40 1/2	9	15 1/2	1 1/2	1/2 x 3/8	609		714		2	
181 S	30x10	52	16	26	2 1/2	1 x 1/2	2,417				2,680			1	314 A	15 1/2 x 12	49	13	14 1/2	2 1/2	1/2 x 3/8	694		799		1	
46 A	36x8	48	15	24 1/2	3 1/2	1 x 1/2	2,020				2,084			2	315 A	15 1/2 x 10	47	12	12	2 1/2	1/2 x 3/8	646		705		4	
47 A	36x6	48	15	25 1/2	3	1 x 1/2	2,032				1,523			3	316 A	15 1/2 x 8	46	12	12	2	1/2 x 3/8	619		687		8	
47 C	36x6	48	15	25 1/2	3	1 x 1/2	1,658				1,747			2	317 A	15 1/2 x 6	45	10	14 1/2	1 1/2	1/2 x 3/8	579		646		1	
157 S	36x4	45	13	26 1/2	2 1/2	1 x 1/2	2,214				2,121			4	318 A	15 1/2 x 4	41	9	14 1/2	1 1/2	1/2 x 3/8	550		596		4	
48 A	36x4	48	15	26 1/2	2 1/2	1 x 1/2	2,023				2,076			7	320 A	15 1/2 x 3	40	9	15 1/2	1 1/2	1/2 x 3/8	526		571		4	
102 B	36x4	48	13	26 1/2	2 1/2	1 x 1/2	1,834				2,020			1	105 A	12x12	30	15	15	2 1/2	1/2 x 3/8	341		357		5	
49 A	36x3	42	13	25 1/2	2 1/2	1 x 1/2	1,811				1,823			10	198 A	12x8	44	11	12 1/2	2	1/2 x 3/8	416		444		7	
49 C	36x3	42	13	25 1/2	2 1/2	1 x 1/2	1,481				1,637			2	199 A	12x6	42	9 1/2	12 1/2	1 1/2	1/2 x 3/8	374		419		4	
182 A	30x15 1/2	56	18	25 1/2	2 1/2	1 x 1/2	1,953				2,010			1	200 A	12x4	41	9	12	1 1/2	1/2 x 3/8	359		399		2	
183 A	30x10	50	15	25 1/2	2 1/2	1 x 1/2	1,727				1,852			2	216 A	12x4	41	9	12	1 1/2	1/2 x 3/8	349		375		3	
184 A	30x6	48	14	28	2 1/2	1 x 1/2	1,651				1,790			2	215 A	12x3	30	8	12 1/2	1 1/2	1/2 x 3/8	332		351		2	
209 A	30x4	44	12	23 1/2	2 1/2	1 x 1/2	1,507				1,543			4	201 A	10x10	46	11	10	2	1/2 x 3/8	378		415		28	
185 A	28x18	56	18	20 1/2	2 1/2	1 x 1/2	1,650				1,748			1	202 A	10x8	44	10	11	2	1/2 x 3/8	352		390		13	
186 A	26x12	52	15 1/2	19 1/2	2 1/2	1 x 1/2	1,472				1,564			1	203 A	10x6	42	10	10	1 1/2	1/2 x 3/8	318		350		10	
187 A	26x10	50	14 1/2	19	2 1/2	1 x 1/2	1,423				1,489			3	204 A	10x4	40	8	11	1 1/2	1/2 x 3/8	301		322		18	
210 A	26x4	45	11	19 1/2	1 1/2	1 x 1/2	1,213				1,519			3	217 A	10x4	40	8	10	1 1/2	1/2 x 3/8	291		326		10	
15 B	24x24	54	27	27	2 1/2	1 1/2 x 1 1/2		1,476			1,614			5	50 A	8x8	36	9	9	2 1/2	1/2 x 3/8	222		227		54	
155 A	24x15 1/2	56	18	20 1/2	2 1/2	1 x 1/2	1,410				1,432			1	205 A	8x6	35 1/2	9	9	1 1/2	1/2 x 3/8	201		211		30	
156 A	24x12	52	16	20 1/2	2 1/2	1 x 1/2	1,290				1,316			1	206 A	8x4	33 1/2	8	8	1 1/2	1/2 x 3/8	183		192		26	
188 A	24x10	50	14	17 1/2	2	1 x 1/2	1,230				1,274			2	218 A	8x4	33 1/2	8	10	1 1/2	1/2 x 3/8	176		184		26	
175 B	24x8	60	18	18	2 1/2	1 x 1/2	1,364				1,397			2	207 A	6x6	34	8	8	1 1/2	1/2 x 3/8	141		154		35	
103 A	24x4	42	11	20 1/2	2 1/2	1 x 1/2	1,032				1,086			4	208 A	6x4	32	7	7	1 1/2	1/2 x 3/8	126		136		61	
103 B	24x4	42	11	20 1/2	2 1/2	1 x 1/2	918				952			1	219 A	6x4	32	7	8 1/2	1 1/2	1/2 x 3/8	117		132		53	
158 A	24x3	42	10 1/2	19 1/2	2 1/2	1 x 1/2	1,025				1,084			2	321 A	4x4	30	7	8	1 1/2	1/2 x 3/8	85		89		634	
132 A	22x22	60	19 1/2	19 1/2	3 1/2	1 1/2 x 1 1/2	1,456				1,574			1	319 A	4x4	30	7	6	1 1/2	1/2 x 3/8	95		96		376	
339 B	22x22	50	20	20	3 1/2	1 1/2 x 1 1/2	1,086				1,220			1													

No.	Dia of Pipes D x d	A	B	C	R	T x t	Standard W ^t in lbs.	Actual W ^t in lbs.	Numbers
73 C	38x8	48	15 1/2	25	1 x 1/2	1	2,002	2,155	5
73 B	38x3	48	15 1/2	25	1 1/2 x 1/2	1	2,147	2,267	15
74 S	36x8	48	15	25 1/2	1 1/2 x 1/2	1	2,257	2,351	3
74 A	36x8	48	15	25 1/2	1 1/2 x 1/2	1	2,059	2,140	28
74 C	36x8	48	15	25 1/2	1 1/2 x 1/2	1	1,672	1,766	4
225 A	30x8	48	14	21 1/2	1 1/2 x 1/2	1	1,639	1,753	2
226 A	26x8	47	13	19	1 1/2 x 1/2	1	1,325	1,402	2
160 A	24x6	46	12 1/2	16 1/2	1 1/2 x 1/2	1	1,122	1,164	5
227 A	22x6	45	12	17	1 1/2 x 1/2	1	954	976	2
228 A	20x6	44	11	16	1 1/2 x 1/2	1	843	891	4
161 A	18x4	42	10	13	1 1/2 x 1/2	1	604	733	5
229 A	15 1/2 x 4	40	9	11 1/2	1 1/2 x 1/2	1	532	586	6
230 A	12x4	41	9	11 1/2	1 1/2 x 1/2	1	351	387	3
231 A	6x4	32	7	8 1/2	1 1/2 x 1/2	1	117	130	2

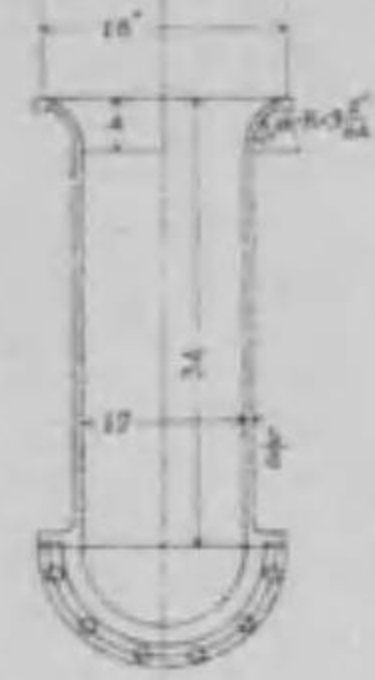




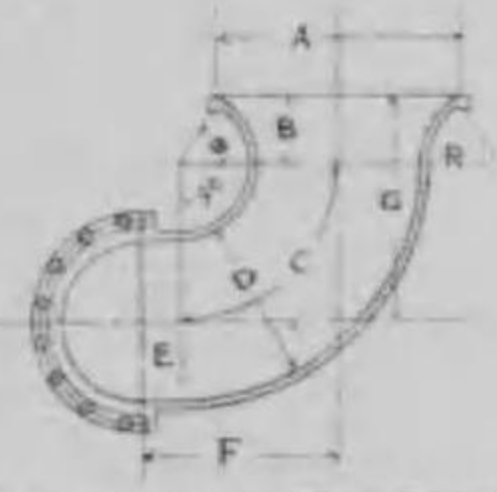
Bellmouth.

No.	Size of Pipe (D)	A	B	C	R	Q	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
23C	42	63	21	5	16.5	64	47	1,430	1,472	5
67C	38	57	19	5	14.5	60	41	1,170	1,252	30
68C	36	54	18	4.5	13.5	57	37	965	1,040	4
24B	24	36	12	4	7.5	71	36	437	446	17
25B	22	33	11	4	6.5	74	19	365	372	1
26B	18	27	9	3	5	72	50	240	244	1
27A	12	18	6	2	3.5	70	16	97	98	9
305A	8	12	4	2	2.5	37	4	37	44	2
119A	6	9	3	1.5	1.7	24	25	24	25	6

Vertical Bellmouth.

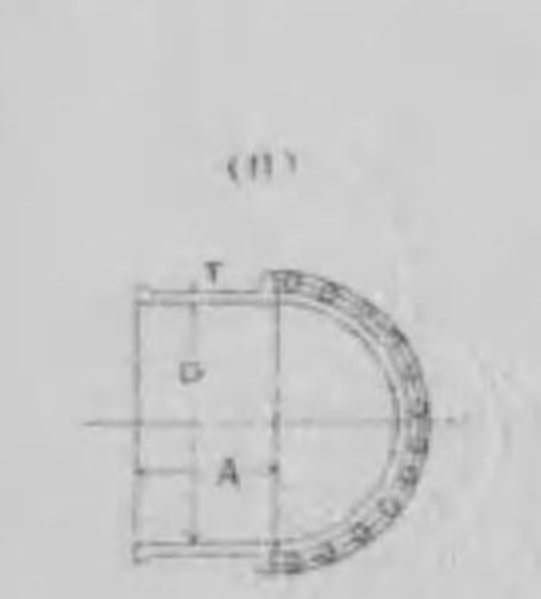


IISA
St. Wt = 277 lbs
Ac. Wt = 307



Bellmouthed Bend.

No.	Size of Pipe (D)	A	B	C	E	F	G	R	Q	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
116C	38	52	16.25	5.64	6	4.4	56.25	15	56	9	3,165	3,768	1
78C	28	42	14	4.375	6	3.4	36.4	15	47	48	1,637	1,704	8
178B	24	36	12	3.7	6	3.0	34.4	12	50	0	1,195	1,395	1
117B	18	27	9	3.0	2.5	3.0	25.66	8	50	50	751	715	10
69A	8	12	4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	94	107	0



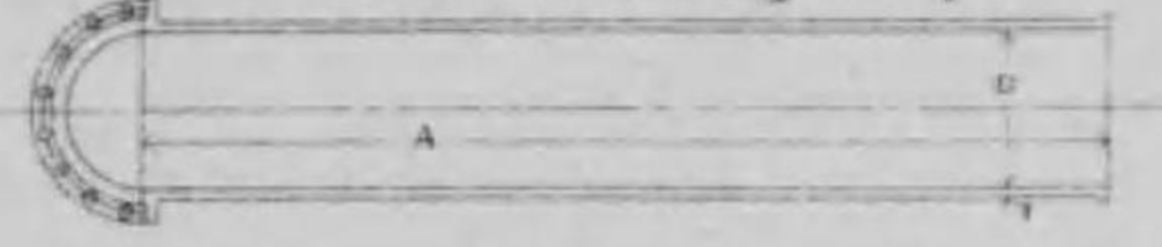
Connection Pieces.



No.	Size of Pipe (D)	A	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
79C	58	22	7	995	1,025	5
295C	38	57	1	2,128	2,292	1
80A	36	21	1.5	980	1,002	12
80C	36	21	1.5	904	872	4
127A	20	20	2	435	450	2
128A	18	20	1.5	327	349	3
81A	15	20	1	255	267	3
139A	12	18	1	150	172	16
252A	10	19	1	131	140	25
82A	8	19	1	87	91	182
121A	6	18	1	56	60	104
85A	4	18	1	30	40	806

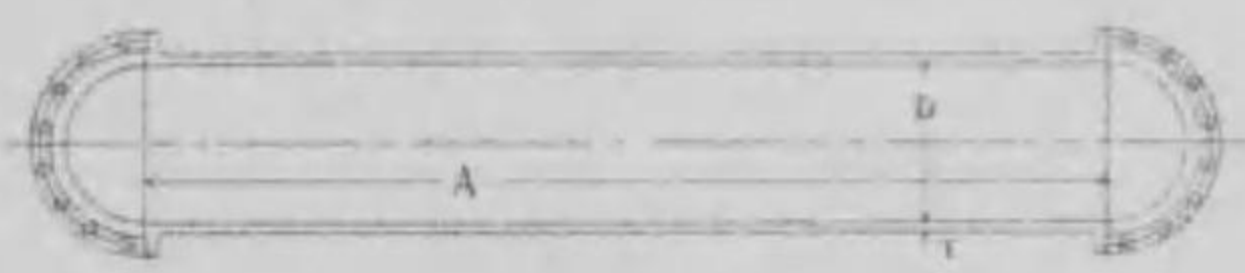
No.	Size of Pipe (D)	A	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
75C	38	10	1	1,035	1,043	8
302C	36	10	1	1,894	2,072	1
76A	36	9	1	930	941	12
76C	36	9	1	901	911	4
124A	20	20	1	427	427	3
401B	20	10	1	427	456	1
125A	18	8	1	523	516	3
402B	18	10	1	336	375	1
77C	16	8	1	247	240	2
126A	12	5	1	142	147	14
253A	10	7	1	122	126	57
78A	8	7	1	87	85	158
120A	6	6	1	54	54	97
254A	4	6	1	35	39	491

One End Flanged Pipe.



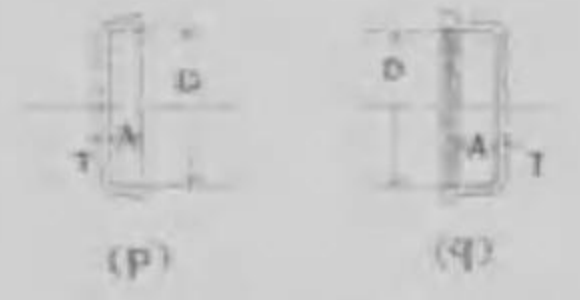
No.	Size of Pipe (D)	A	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
1C	42	96	1	3,728	4,076	3
294C	42	144	1	5,417	5,552	3
35C	38	77	1	2,750	3,072	1
88C	38	144	1	4,887	5,465	5
89C	38	120	1	4,122	4,487	2
36C	36	84	1	2,502	2,504	3
296C	36	144	1	4,086	4,352	1
2B	32	132	1	3,816	4,095	8
3C	28	120	1	2,681	2,706	8
37B	24	72	1	1,226	1,376	2
297B	24	144	1	2,013	2,644	2
171B	24	108	1	1,920	1,984	1
173A	22	144	1	2,466	2,460	1
405B	22	21	1	428	479	1

Both End Flanged Pipe.



No.	Size of Pipe (D)	A	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
170C	30	84	1	2,257	3,530	3
298C	38	96	1	3,640	3,858	1
298C	38	144	1	5,471	5,363	2
7B	24	96	1	1,854	1,974	4
8B	24	150	1	2,745	2,678	4
39B	24	144	1	2,646	2,512	2
40B	24	112	1	2,118	1,908	1

Plug Cap.



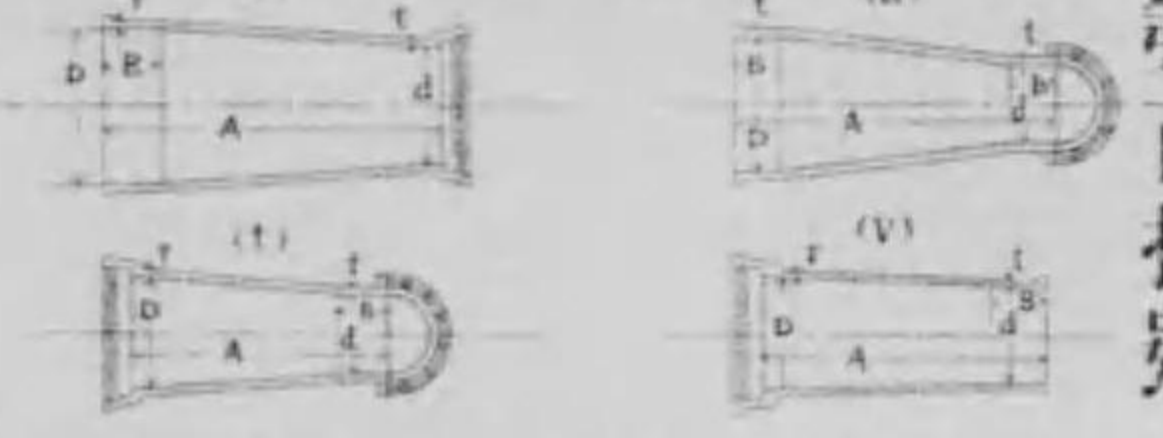
Puddle Collar.



No.	Size of Pipe (D)	A	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
114B	24	4	1	170	182	5
179B	18	4	1	107	108	5
247A	15	17	4	145	143	1
248A	12	14	3	86	90	2
249A	10	12	3	66	67	5
250A	8	10	3	45	46	6
115A	8	3	1	21	22	0
251A	6	7	3	29	32	7
342A	4	5	3	13	21	15

No.	Size of Pipe (D)	D	d	A	T	R	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
309	42	44	21	14	64	910	1,187	5	
310	32	40	19	12	64	735	1,103	4	
311	36	38	18	12	50	680	1,480	4	
312	24	25	12	0	29	267	377	5	
337	18	19	9	1	12	192	251	1	
343	8	9	4	5	1	57	44	2	

Taper Pipes.



第百拾號

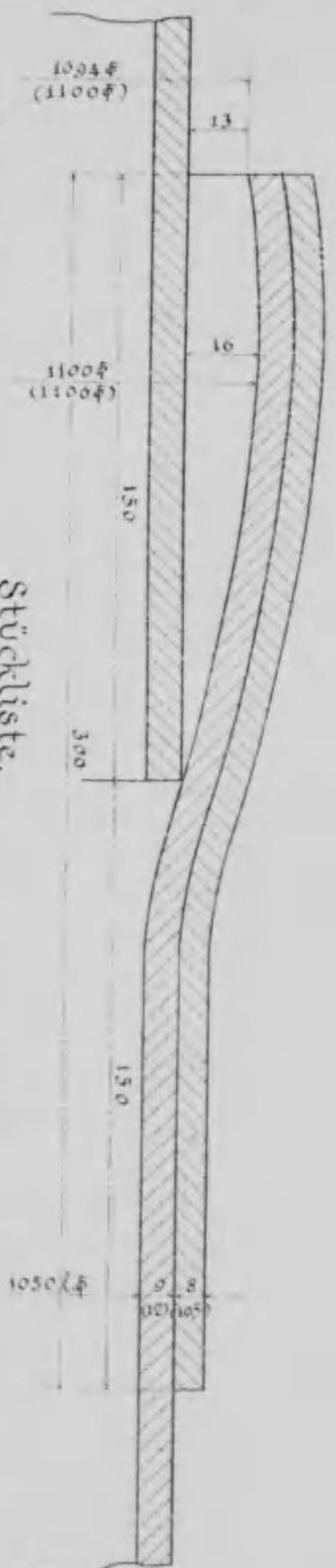
No.	Size of Pipe (D)	A	B	C	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
9B	42x37	84	10	1	2090		3,437	1
107C	38x36	84	9	1	2023		3,551	1
117C	36x34	72	10	1	1877		2,435	2
101C	36x30	72	9	1	1847		2,240	1
108B	36x24	60	9	1	1664		2,087	1
125S	36x20	65	9	1	1574		2,207	1
253A	36x20	65	9	1	1,673		1,698	1
254A	36x24	58	8	1	1,637		1,643	1
255A	36x30	54	8	1	1,617		1,570	1
162A	24x18	50	8	1	1,005		1,021	1
162B	24x18	50	8	1	913		1,170	2
256A	24x20	50	8	1	968		1,080	1
257A	24x18	48	8	1	781		873	1
258A	24x18	48	8	1	678		736	1
259A	18x18	42	8	1	607		618	3
260A	18x12	26	8	1	510		540	2
261A	18x12	26	8	1	330		424	7
262A	18x12	26	8	1	352		375	3
263A	18x12	26	8	1	284		312	1
264A	12x12	20	7	1	242		272	1
241A	12x18	27	7	1	192		254	3
242A	10x18	25	7	1	162		207	18
243A	10x18	24	7	1	140		154	3
244A	10x16	24	6	1	106		122	2
245A	10x14	22	6	1	85		91	10
246A	8x14	21	7	1	69		100	10
247A	8x14	19	7	1	84		84	10
248A	8x12	22	6	1	65		76	4
249A	8x12	16	6	1	56		60	60

Collar.

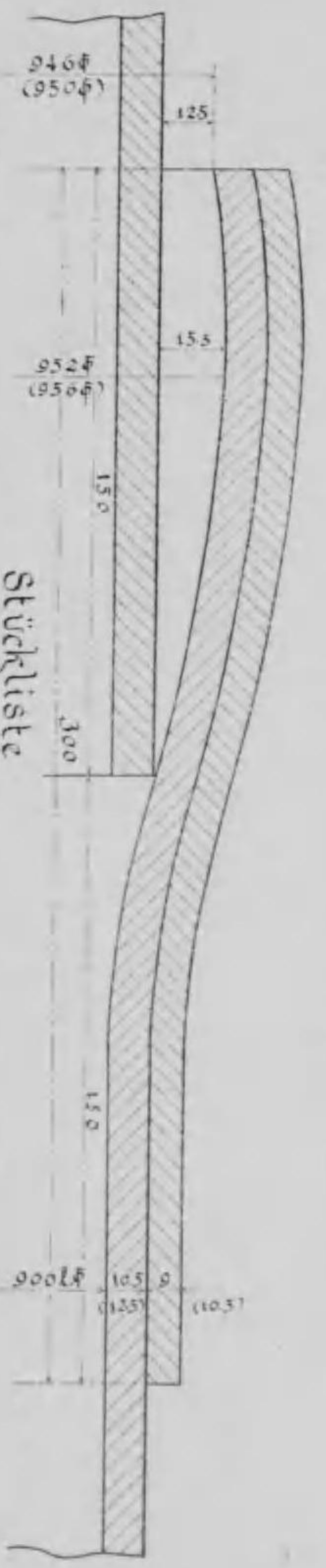
No.	Size of Pipe (D)	A	B	C	T	Standard Wt in lbs.	Actual Wt in lbs.	Numbers
30B	42	45	16	2	1	1,195	1,266	7
64A	36	41	16	2	1	1,014	1,130	8
31S	36	39	16	2	1	961	981	11
31A	36	39	16	2	1	854	937	173
32A	32	35	15	2	1	746	793	2
255A	30	33	14	2	1	709	724	5
337A	26	30	14	2	1	617	661	7
296A	26	29	13	2	1	517	567	5
33A	24	26	13	2	1	568	581	29
180A	22	24	12	2	1	475	502	9
257A	20	22	12	2	1	404	428	10
131A	18	20	11	2	1	344	344	26
85A	16	17	10	1	1	287	260	27
34A	12	14	10	1	1	161	166	49
258A	10	12	10	1	1	120	144	26
36A	8	9	12	1	1	85	86	77
259A	6	7	10	1	1	55	57	29
27A	4	5	8	1	1	33	35	690

General Dimensions of Special Pipes. No.3

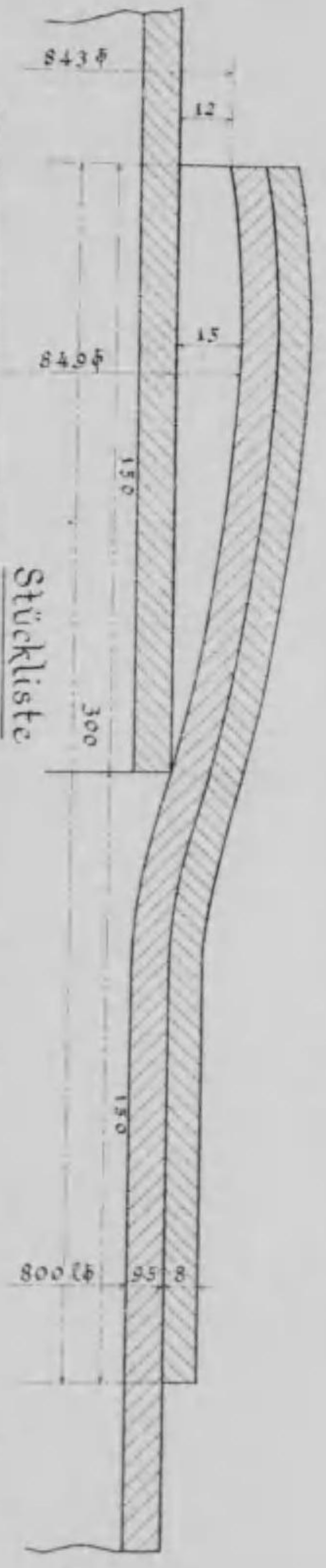




Pos. Stück	Gegegenstand	Pr. Druck	Bleche
1 24	Muffenrohre 1050 f. 9Wd. je 6000 Btlge.	19	
2 1	Rohr " 4200 Läng. beiderseitsalatt	"	
14 801	Stufenrohre " " 12 Wd. je 6000 Btlge.	26.5	
23 109	" " " " " "		



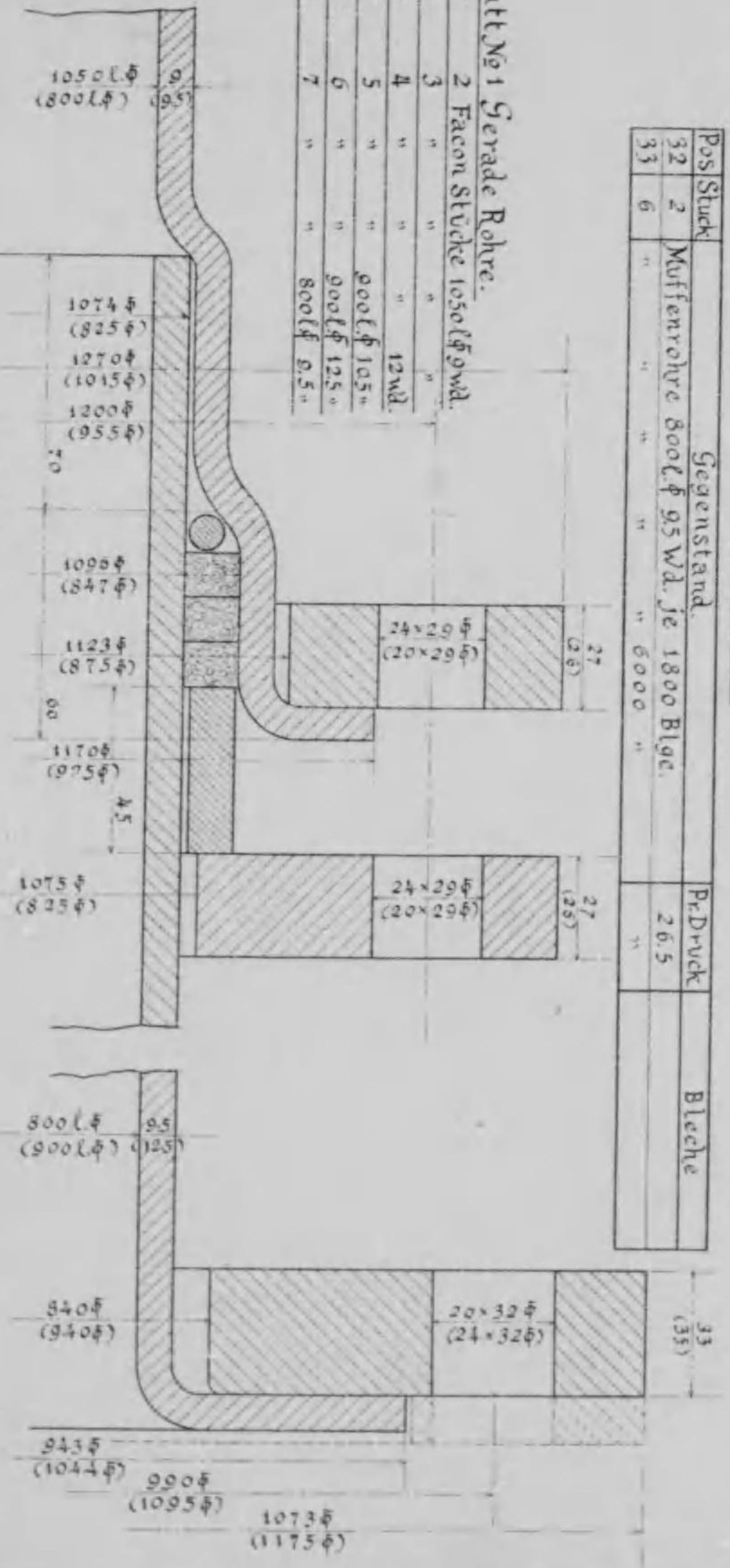
Pos. Stück	Gegegenstand	Pr. Druck	Bleche
47 281	Muffenrohre 800 f. 95 Wd. je 6000 Btlge.	24.7	
57 85	" " 125 " " " "	31.7	



Pos. Stück	Gegegenstand	Pr. Druck	Bleche
32 2	Muffenrohre 800 f. 95 Wd. je 1800 Btlge.	26.5	
33 6	" " 6000 " " " "		

Blatt №1 Gerade Rohre.

- 2 Facen Stücke 1050 f. 9Wd.
- 3 " " " " 12Wd.
- 4 " " " " 105Wd.
- 5 " " " " 125Wd.
- 6 " " " " 800 f. 9.5.
- 7 " " " " " "



Stückliste.

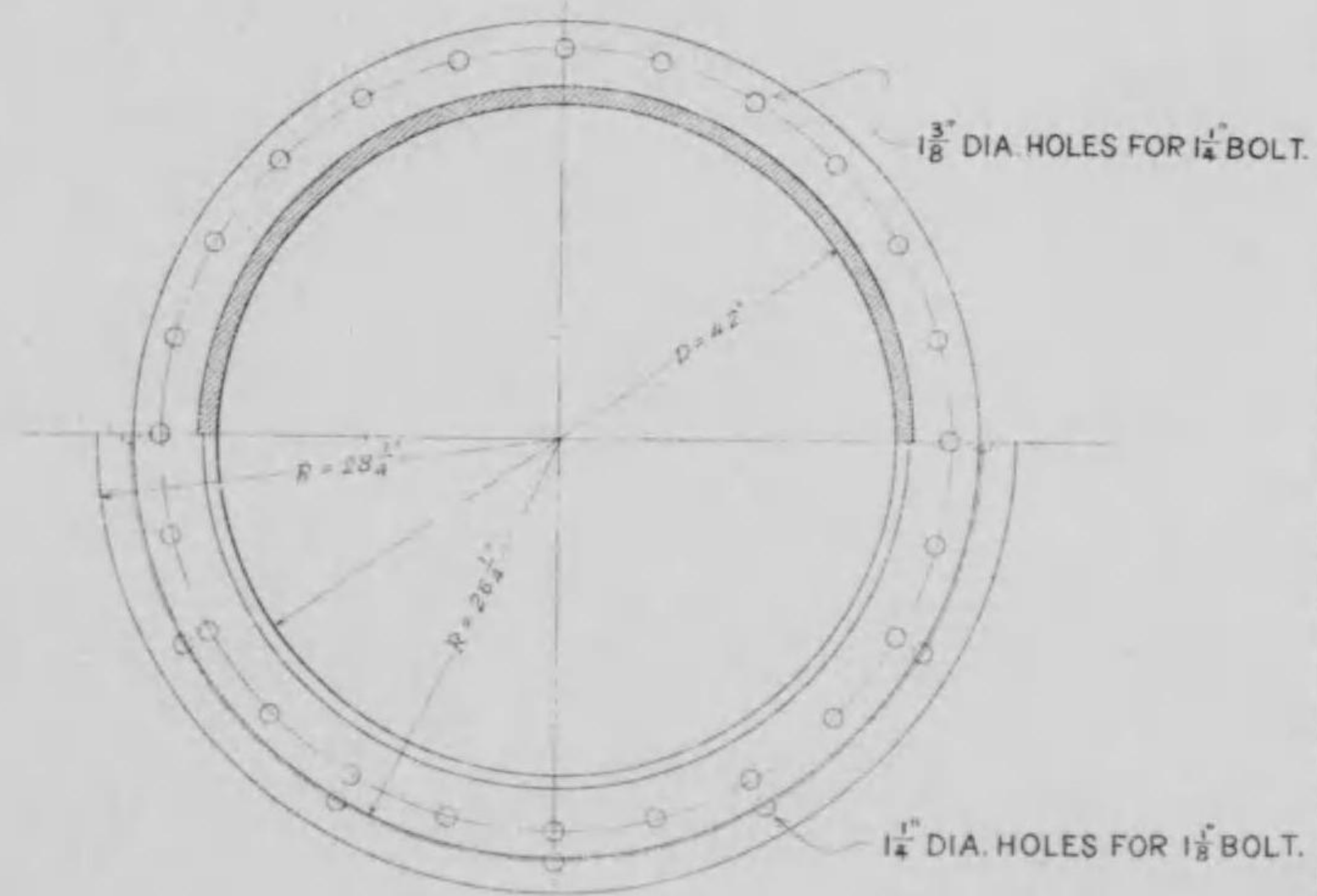
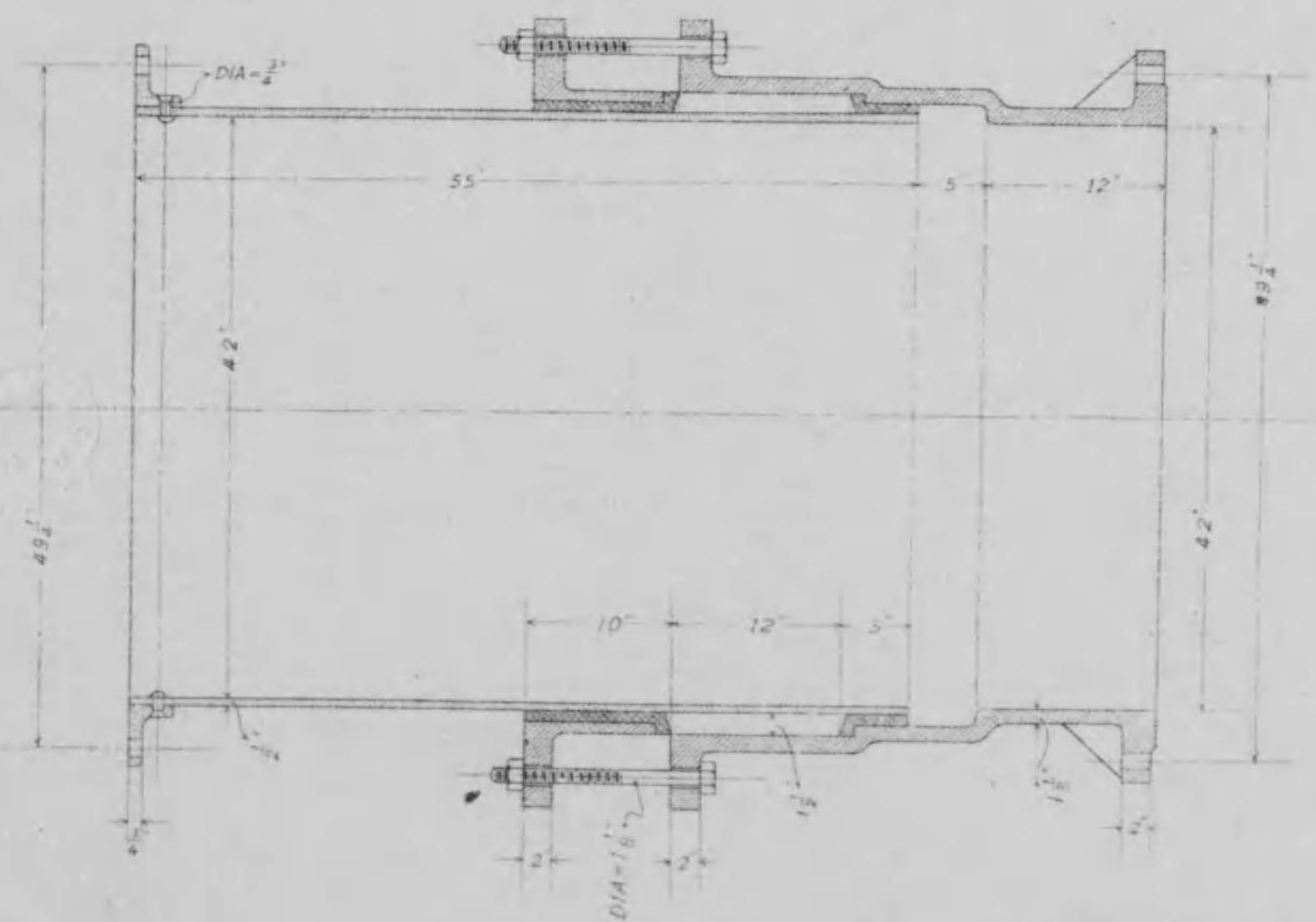
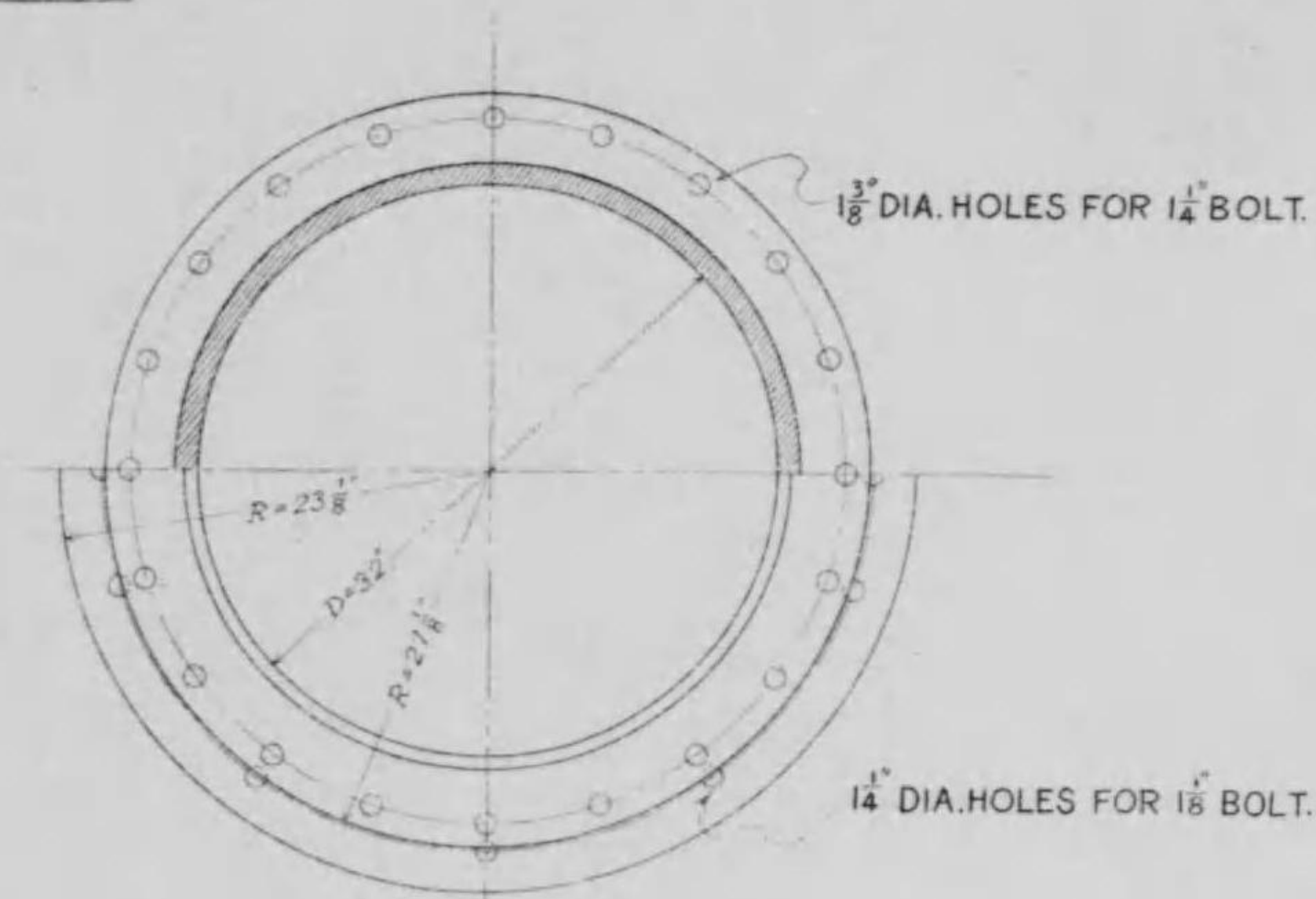
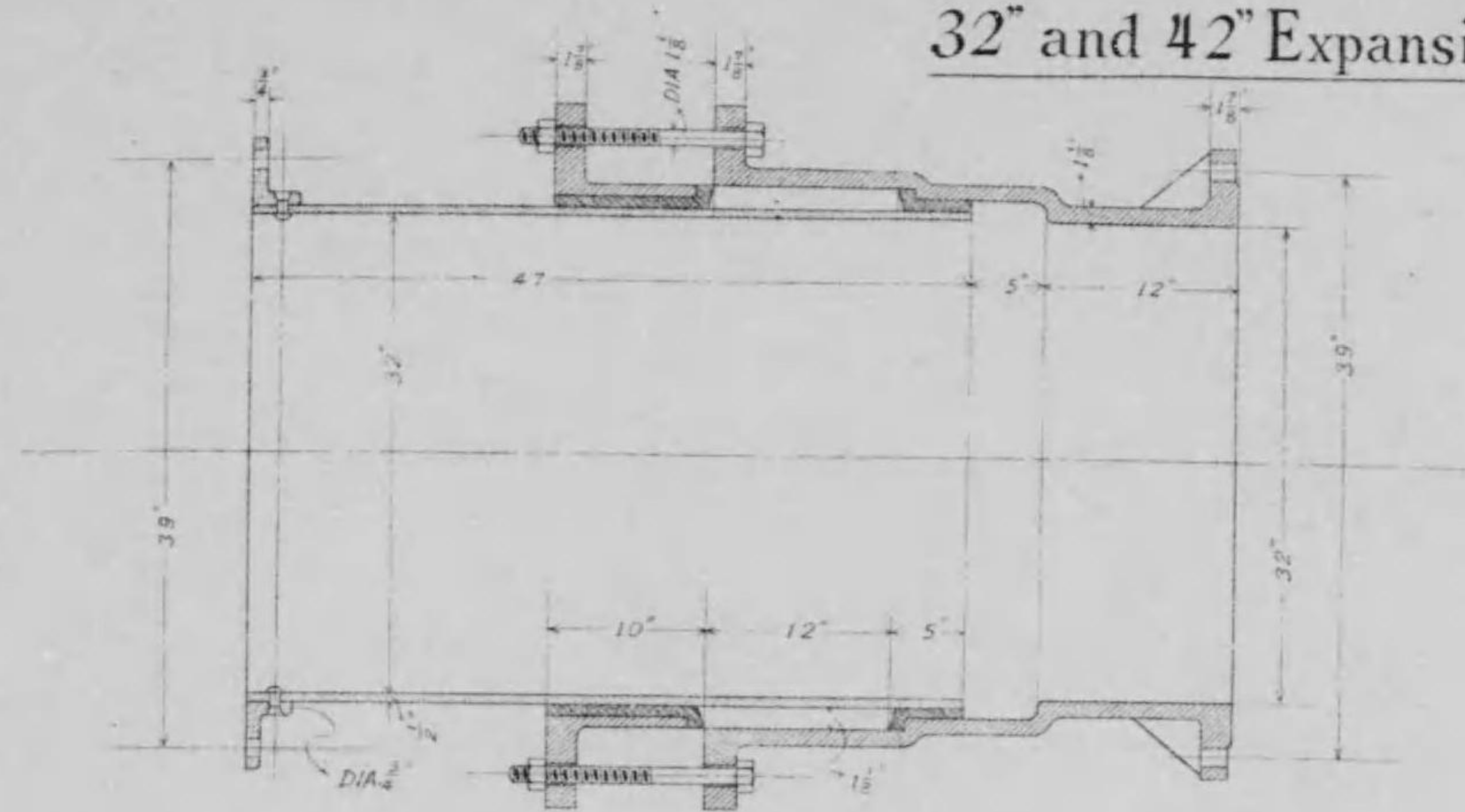
Pos. Stück	Gegegenstand	Pr. Druck	Bleche	Flanschen
3 5	Hochdruck muffenrohre 1050 f. 9Wd. je 6000 Btlge.	19		
34 40	" " " " 800 f. 95 " " "	20.5		
35 2	" " " " " " 1800 " "			
36 2	Rohre 800 f. 95 Wd. je 6000 Btlge. einers leicht anders Bohlutfl.			
38 1	Rohr 800 f. 125 Wd. 6000 lg. einers Bohlut. vLFl anders dlatl	31.7		

Blatt №1.

Normale Ueberlappt
Geschweisste Rohre
Wasserversorgung
Von Yokohama.

第百拾貳號

32" and 42" Expansion Joints.

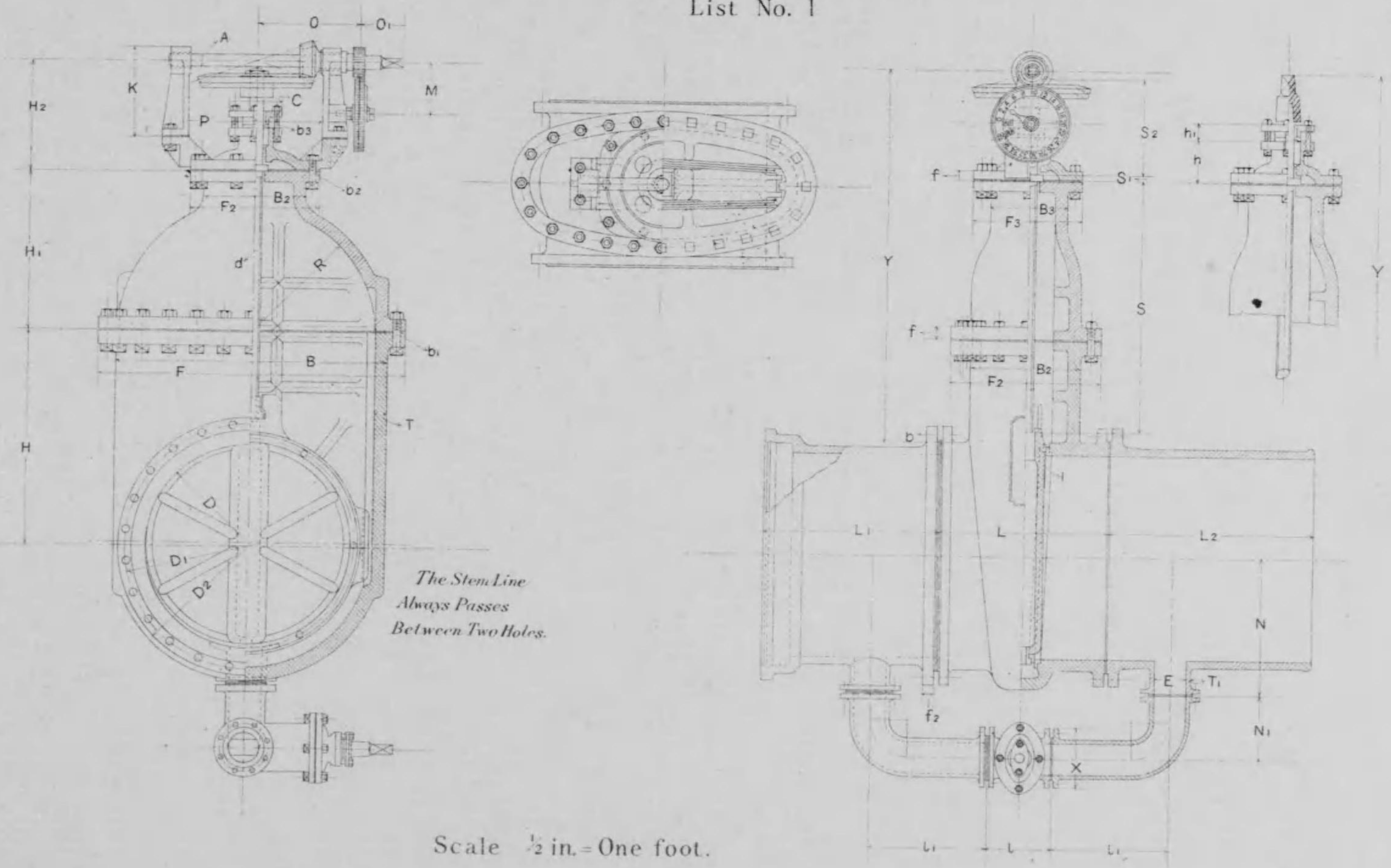


Scale $\frac{1}{4}$ in = One Foot.

Dimensions of Sluice Valves (42"-20")

Tested 270-300 lbs Water pressure.

List No. 1



The Stem Line
Always Passes
Between Two Holes.

Scale 1/2 in. = One foot.

List No 1

第百拾四號

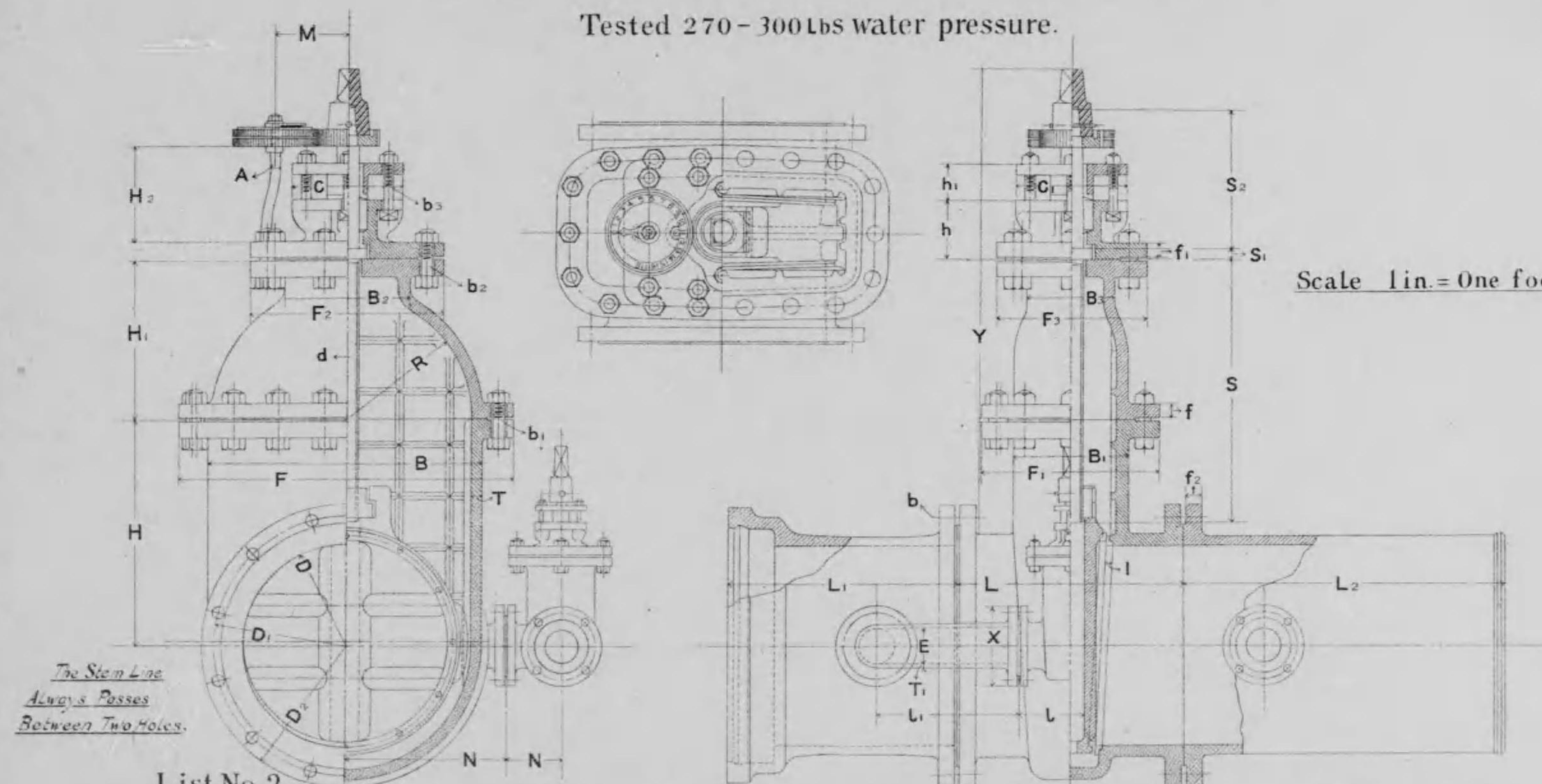
Size of Valve		D ₁	D ₂	F	F ₁	F ₂	F ₃	f	f ₁	f ₂	B	B ₁	B ₂	B ₃	C	P	H	H ₁	H ₂	h	h ₁	R	T	T ₁	S	S ₁	S ₂	N	N ₁	L	L ₁	L ₂	
Class	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
B	42	1,050	49 1/4	52 1/2	59 3/4	29 1/4	24 1/4	20 1/4	2 5/8	2	53 1/4	21 3/8	19 3/4	15 3/8	9 9/16	24 11/16	43 3/4	33 1/2	20 3/8	7 7/8	3	21 1/8	2 1/2		51 5/8	1 1/8	17 1/2					30 1/2	
C	42	1,050	49 1/4	52 1/2	59 3/4	29 1/4	24 1/4	20 1/4	2 5/8	2	53 1/4	21 3/8	19 3/4	15 3/8	9 9/16		43 3/4	33 1/2		7 7/8	3	21 1/8	2 1/2		51 5/8	1 1/8	17 1/2					30 1/2	
A	38	950	45	48 1/4	56 1/2	27 1/8	23 3/4	19 3/4	2 5/8	2	1 7/8	50	19 3/4	18 3/8	13 3/4	9 9/16	24 11/16	39 15/16	30	20 3/8	7 3/4	3	22 3/4	2 1/4	7/16	46 1/2	1 1/8	17 7/8	25 1/4	12	30 1/2	32	37
B	38	950	45	48 1/4	56 1/2	27 1/8	23 3/4	19 3/4	2 5/8	2	1 7/8	50	19 3/4	18 3/8	13 3/4	9 9/16	24 11/16	39 15/16	30	20 3/8	7 3/4	3	22 3/4	2 1/4	7/16	46 1/2	1 1/8	17 7/8				30 1/2	
C	38	950	45	48 1/4	56 1/2	27 1/8	23 3/4	19 3/4	2 5/8	2	1 7/8	50	19 3/4	18 3/8	13 3/4	9 9/16		39 15/16	30		7 3/4	3	22 3/4	2 1/4		46 1/2	1 1/8	17 7/8				30 1/2	
A	36	900	43	46 1/4	54 7/8	28 1/4	23 3/4	19 3/4	2 1/2	2	1 7/8	47 3/4	19 3/4	17 1/2	14 1/2	9 9/16	24 11/16	37 3/8	27 5/8	20 3/8	7 3/4	3	21 3/4	2 1/8	7/16	44 3/8	1 1/8	17 7/8	24	12	29	31 1/2	37
B	36	900	43	46 1/4	54 7/8	28 1/4	23 3/4	19 3/4	2 1/2	2	1 7/8	47 3/4	19 3/4	17 1/2	14 1/2	9 9/16	24 11/16	37 3/8	27 5/8	20 3/8	7 3/4	3	21 3/4	2 1/8	7/16	44 3/8	1 1/8	17 7/8				29	
C	36	900	43	46 1/4	54 7/8	28 1/4	23 3/4	19 3/4	2 1/2	2	1 7/8	47 3/4	19 3/4	17 1/2	14 1/2	9 9/16		37 3/8	27 5/8		7 3/4	3	21 3/4	2 1/8		44 3/8	1 1/8	17 7/8				29	
B	32	800	39	42 1/4	51 3/4	25 3/8	20 3/4	18 3/4	2 3/8	2	1 7/8	44 1/2	18 1/2	15 3/8	13 3/8	8 1/8	24 11/16	33 3/8	26 9/16	19 1/4	6 3/8	3	20 3/8	1 7/8		40 1/2	1	16 3/8				32	
A	30	750	36 3/4	39 3/4	47 3/4	25 1/8	20 3/8	18 3/4	2 1/4	1 3/4	1 3/4	40 3/4	18	15 1/4	13 1/2	9 9/16	24 11/16	32 3/8	24 3/8	18 1/4	6 3/8	3	18 5/8	1 3/4	1/2	38 3/4	1	15 1/2	21	11	27	31 1/2	37
C	28	700	34 3/4	37 1/4	46	23	20 3/8	17 1/2	2 3/8	1 3/4	1 3/4	39 1/4	16 1/8	15 1/4	12 3/8	8 1/8	24 11/16	30 1/8	23 3/8		6 1/2	3	18	1 3/8		35 3/4	1	13 3/8				24	
A	26	650	32	34 3/4	46	22 3/4	20 3/8	17 3/8	2 1/4	1 3/4	1 3/4	39	15 3/4	15	11 7/8	8 1/4	24 11/16	28 1/2	23 3/4	18	6 1/2	3	18	1 1/2	7/16	34 5/8	1	15 1/8	18 1/8	9 1/4	22	28	34 5/8
A	24	600	29 3/4	32 1/2	39 3/8	20 7/8	18 1/4	16 7/8	2	1 3/4	1 5/8	32	13 5/8	12 1/4	10 3/4	8 1/4	17 5/8	26 3/8	19 1/4	17 3/8	6 1/2	3	14 5/8	1 3/8	7/16	31 3/8	7/8	15 1/8	16 7/8	9 1/4	22	28	34 5/8
C	24	600	29 3/4	32 1/2	39 3/8	20 7/8	18 1/4	16 7/8	2	1 3/4	1 5/8	32	13 5/8	12 1/4	10 3/4	8 1/4		26 3/8	19 1/4		6 1/2	3	14 5/8	1 3/8	7/16	31 3/8	7/8	15 1/8	16 7/8	9 1/4	22	28	34 5/8
A	22	550	27 1/2	30	35 1/4	16 3/4	16 3/8	14 7/8	1 3/4	1 1/2	1 1/2	30	11 1/2	11 5/8	9 1/2	7 1/2	17 5/8	23 1/4	18 1/2	16 3/8	5 7/8	2	13 3/4	1 1/4	7/16	29 1/8	3/4	14 1/4	15 3/4	8 5/8	22	26	33 5/8
C	22	550	27 1/2	30	35 1/4	16 3/4	16 3/8	14 7/8	1 3/4	1 1/2	1 1/2	30	11 1/2	11 5/8	9 1/2	7 1/2		23 1/4	18 1/2		5 7/8	2	13 3/4	1 1/4	7/16	29 1/8	3/4	14 1/4	15 3/4	8 5/8	22	26	33 5/8
A	20	500	25 1/4	27 3/4	32 3/8	15 3/4	16 1/4	14	1 5/8	1 1/2	1 1/2	27 3/8	10 3/8	11 5/8	9 3/8	7 1/2	17 5/8	20 1/2	18 3/4	14 3/4	5 3/8	2 1/4	13 11/16	1 1/8	7/8	27 1/2	3/4	12 3/4	14 5/8	7 1/8	20 1/4	25 5/8	32 1/2

Size of Valve		L	l	d	A	O	O ₁	M	K	E	I	X	Y	Screw Pitch of Spindle (in)	Number and Size of End Flange Bolts (in)	Number and Size of Throat Flange Bolts (in)	Number and Size of Cover Flange Bolts (in)	Number and Size of Stuffing Box Bolts (in)	Weights in Lbs.					
Class	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.							Body	Bypass Valve	Connecting Pipes No 2	Branch Bends No 2	Total
B	42	1,050			2 3/4	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4		1 1/4	74 1/2	1/2	28 - 1 1/4	24 - 1 1/4	12 - 1	4 - 3/4						11,406
C	42	1,050			2 3/4							1 1/4	75 1/2	1/2	28 - 1 1/4	24 - 1 1/4	12 - 1	4 - 3/4						11,033
A	38	950	11 1/2	21 1/2	2 5/8	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4	0	1 1/8	60 7/16	1/2	24 - 1 1/4	24 - 1 1/4	10 - 1	4 - 3/4	8,961	199	3,544	278	12,992	
B	38	950			2 5/8	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4		1 1/8	69 7/16	1/2	24 - 1 1/4	24 - 1 1/4	10 - 1	4 - 3/4						8,961
C	38	950			2 5/8							1 1/8	69 7/16	1/2	24 - 1 1/4	24 - 1 1/4	10 - 1	4 - 3/4						8,635
A	36	900	11	21	2 5/8	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4	0	1 1/16	65 1/2	1/2	24 - 1 1/4	20 - 1 1/4	10 - 1	4 - 3/4	8,501	199	3,079	274	12,053	
B	36	900			2 5/8	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4		1 1/16	65 1/2	1/2	24 - 1 1/4	20 - 1 1/4	10 - 1	4 - 3/4						8,501
C	36	900			2 5/8							1 1/16	65 1/2	1/2	24 - 1 1/4	20 - 1 1/4	10 - 1	4 - 3/4						8,140
B	32	800			2 1/2	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4		1	61 1/16	1/2	20 - 1 1/4	18 - 1 1/4	8 - 1	4 - 3/4						6,907
A	30	750	11	20	2 1/2	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4	5	1	58 1/4	1/2	20 - 1 1/8	18 - 1 1/4	8 - 1	4 - 3/4	5,833	157	2,448	182	8,620	
C	28	700			2 3/8							1	57 3/8	1/2	20 - 1 1/8	18 - 1 1/4	8 - 1	4 - 5/8						4,466
A	26	650	10 3/4	16 5/8	2 3/8	2 1/8	19 7/16	8 3/16	9 1/2	10 3/4	4	1	8 1/2	49 7/8	1/2	20 - 1	18 - 1 1/4	8 - 1	4 - 5/8	4,699	138	1,882	122	6,841
A	24	600	10 3/4	16 5/8	2 1/4	1 1/2	14 3/4	7 13/16	7 13/16	14 1/16	4	15/16	8 1/2	49 7/8	1/2	20 - 1	14 - 1 1/4	8 - 1	4 - 5/8	3,369	138	1,576	122	5,205
C	24	600			2 1/4							15/16	52 1/8	1/2	20 - 1	14 - 1 1/4	8 - 1	4 - 5/8						3,140
A	22	550	9 1/2	16 1/4	2 1/8	1 1/2	14 3/4	7 13/16	7 13/16	14 1/16	3 1/2	7/8	8	46 3/8	1/2	16 - 1	16 - 1	6 - 7/8	4 - 3/8	2,407	100	1,380	106	3,993
C	22	550			2 1/8							7/8	48 11/16	1/2	16 - 1	16 - 1	6 - 7/8	4 - 3/8						2,277
A	20	500	8 3/4	15 1/2	2	1 1/2	14 3/4	7 13/16	7 13/16	14 1/16	3	7/8	7 1/4	43 1/16	1/2	16 - 7/8	14 - 1	6 - 7/8	4 - 3/8	2,073	85	1,178	84	3,420

The Size of the indicator gear (differential wheels) to be made suitable for that of the valve.

Dimensions of Sluice Valves, (18" & 15½")

Tested 270-300 lbs water pressure.



Scale 1 in. = One foot.

List No. 2

Size of Valve Class	D	D ₁	D ₂	F	F ₁	F ₂	F ₃	f	f ₁	f ₂	B	B ₁	B ₂	B ₃	C	C ₁	H	H ₁	H ₂	h	h ₁	R	T	T ₁	S	S ₁	S ₂	N	N ₁
A 18	450	23	25¼	29½	15½	16¾	15	1¾	1¾	1½	24	10	11¼	7½	9¾	9¾	20	14¼	8¾	5¼	3¼	11	1	½	23	7/8	12¾	14	4¾
C 18	450	23	25¼	30½	17	17¼	13¾	1½	1¾	1¾	24¼	11¼	12½	9	9¾	9¾	21½	15/8	7¾	4¾	3	11½	1¼	¾	25	13/8	11½		
A 15½	387½	20	22¼	26¼	14¼	15½	12¼	1¼	1¼	1¼	21	9	10¼	7	9	5¼	16¼	13	7¾	4¾	3	9¾	7/8	¾	20¼	7/8	11¾	12½	4
C 15½	387½	20	22¼	26¼	14¼	15½	12¼	1¼	1¼	1¼	21	9	10¼	7	9	5¼	16¼	13	7¾	4¾	3	9¾	7/8	¾	20¼	7/8	11¾		

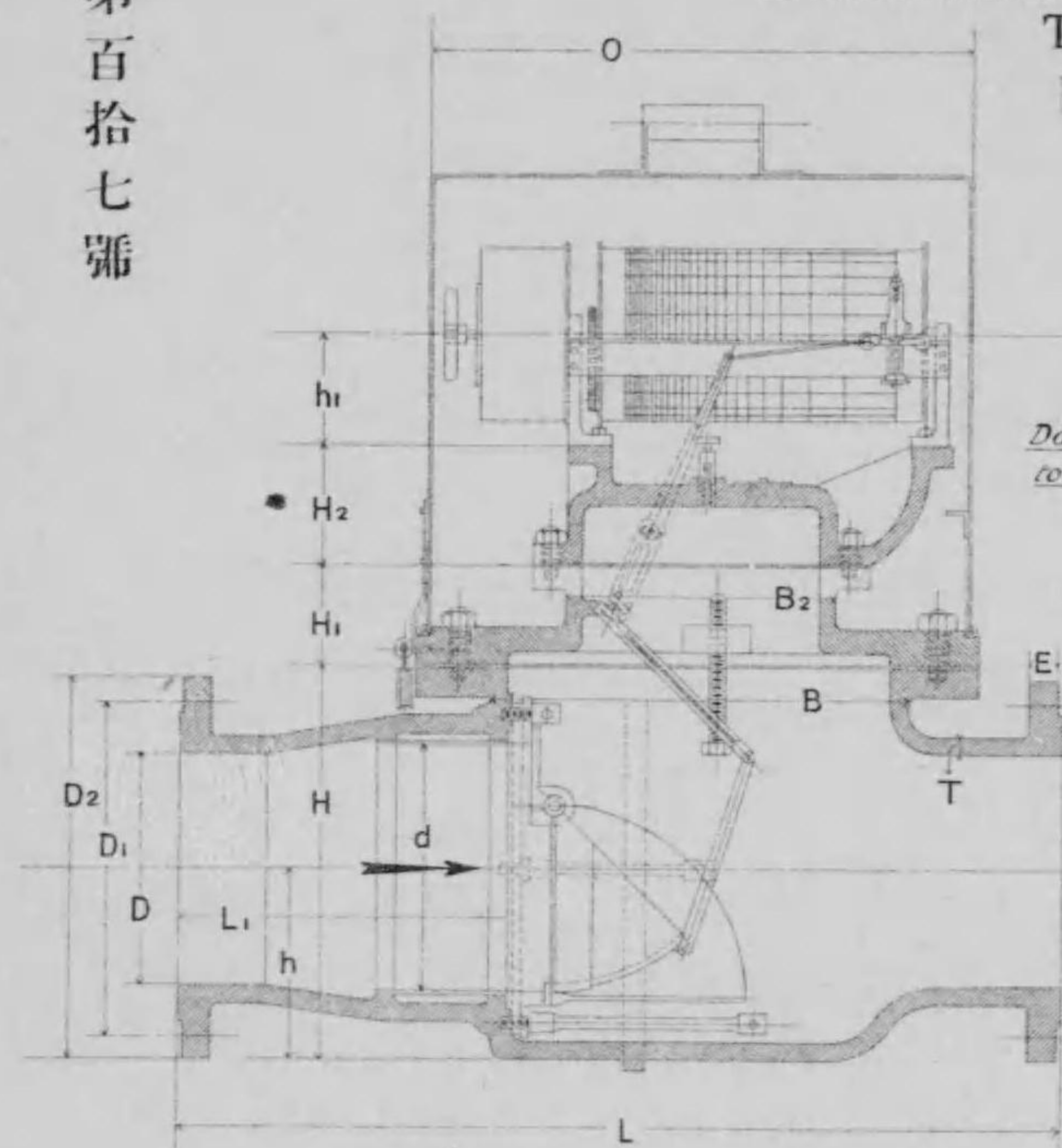
Size of Valve Class	D	L	L ₁	L ₂	L	L ₁	d	A	M	E	I	X	Y	Number and Size of End Flange Bolts	Number and Size of Throat Flange Bolts	Number and Size of Cover Flange Bolts	Number and Size of Stuffing Box Bolts	body	By cover flange	By throat flange	By cover flange	Total		
A 18	450	19¾	20	28	9	12¾	2¼	1	6¾	3	¾	7	41¾	¾	12	¾	18 - I	10 - I	4 - ¾	1,633	78	837	64	2,612
C 18	450	19¾					2¼			¾			42¼	½	12	¾	18 - I	10 - I	4 - ¾					1,880
A 15½	387½	18	20¾	27¾	8	11½	2	1	6¾	2½	¾	6¼	37		12	¾	16 - I	8 - I	3 - ¾	1,195	51	687	44	1,977
C 15½	387½	18					2			¾			37		12	¾	16 - I	8 - I	4 - ¾					1,175

第百拾七號

Dimensions of Waste Water Meters, (10-4)

Tested 300 lbs Water pressure.

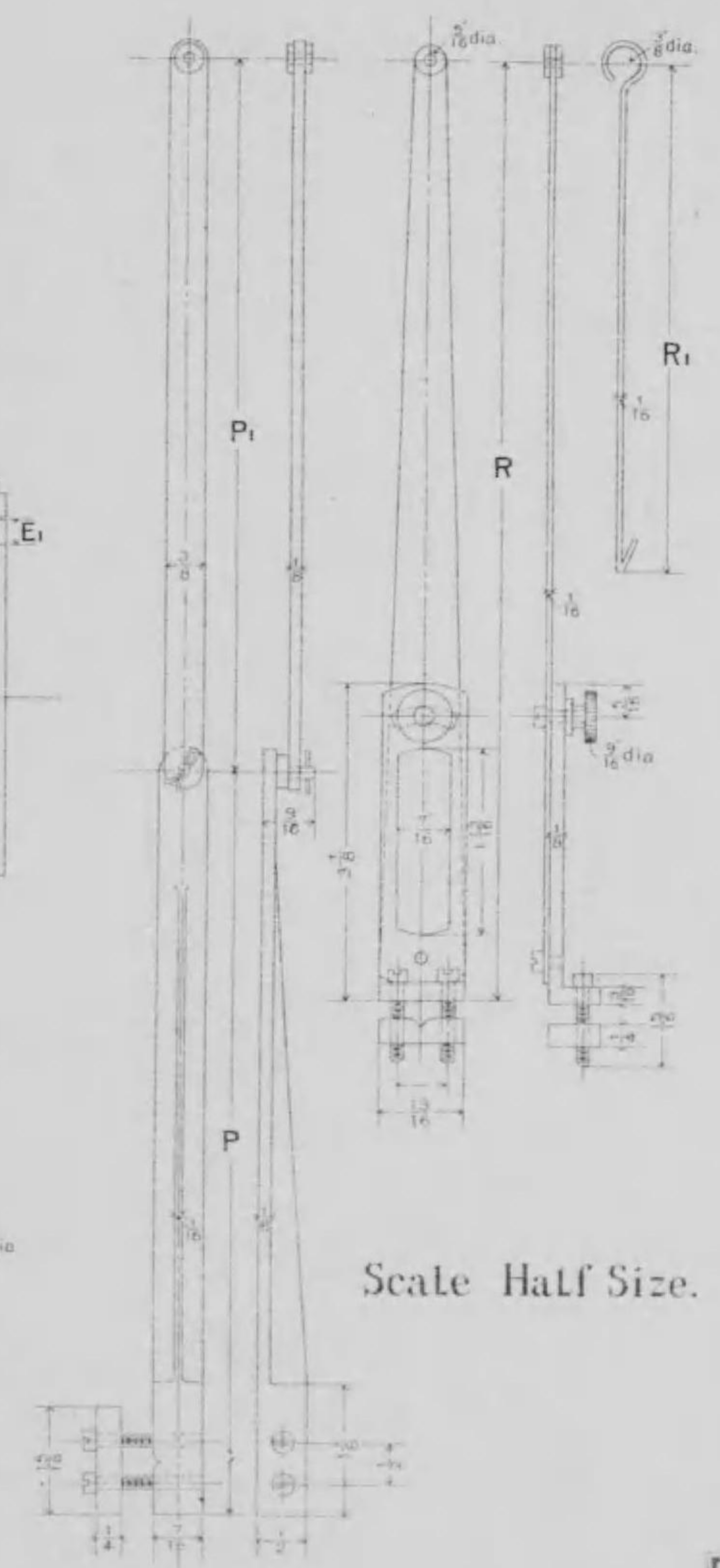
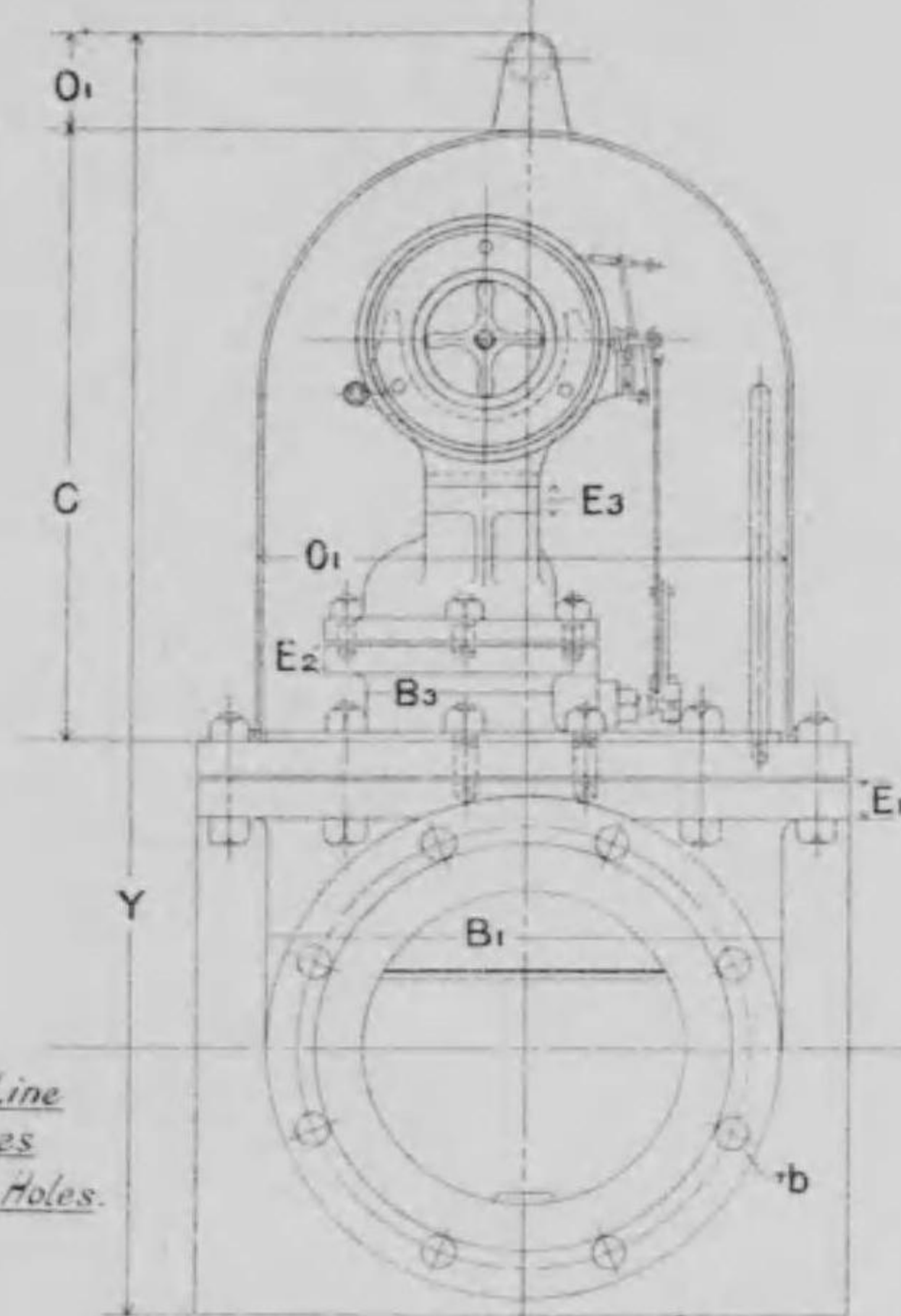
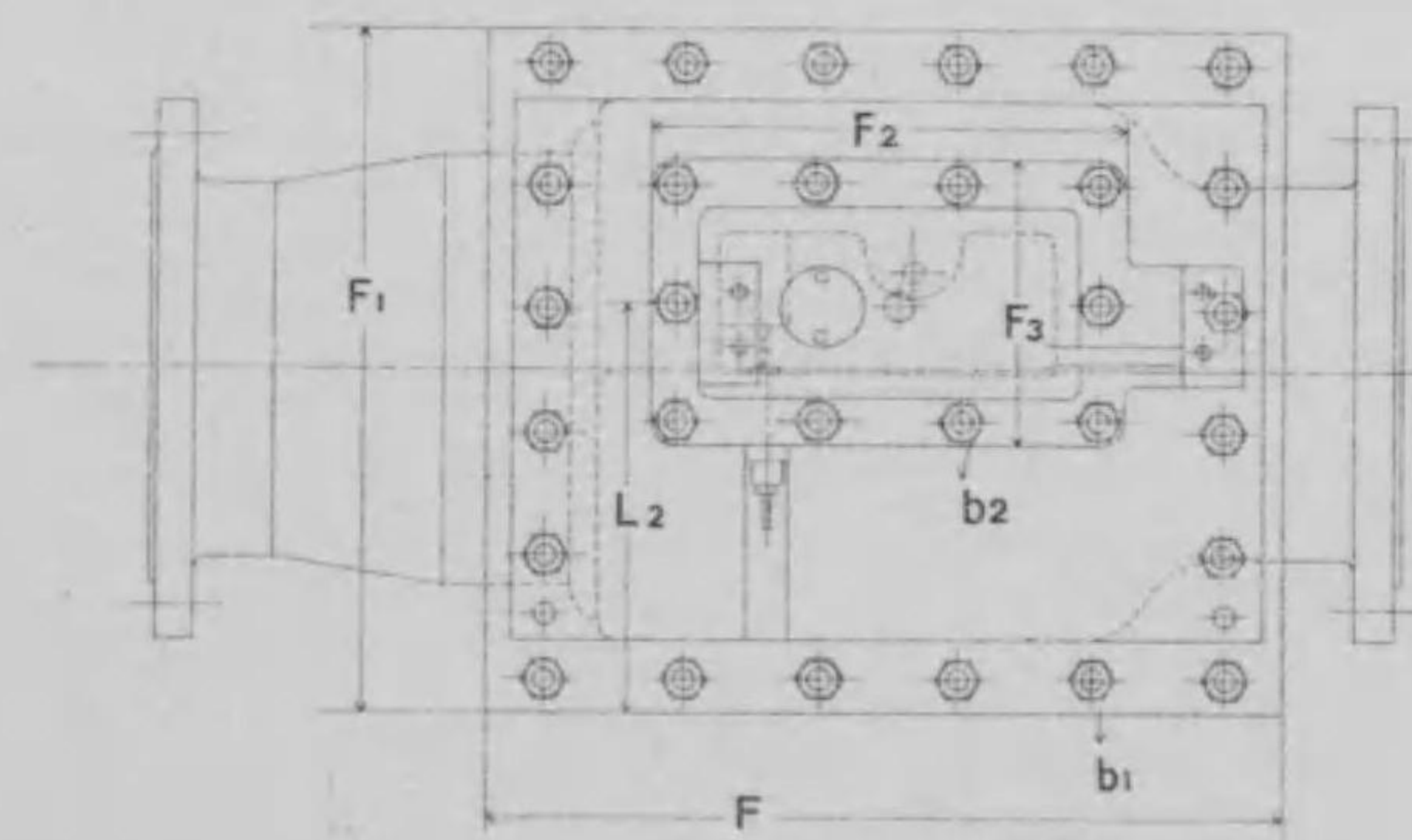
List No 4



*Daily Diagrams
to Read in Koku*

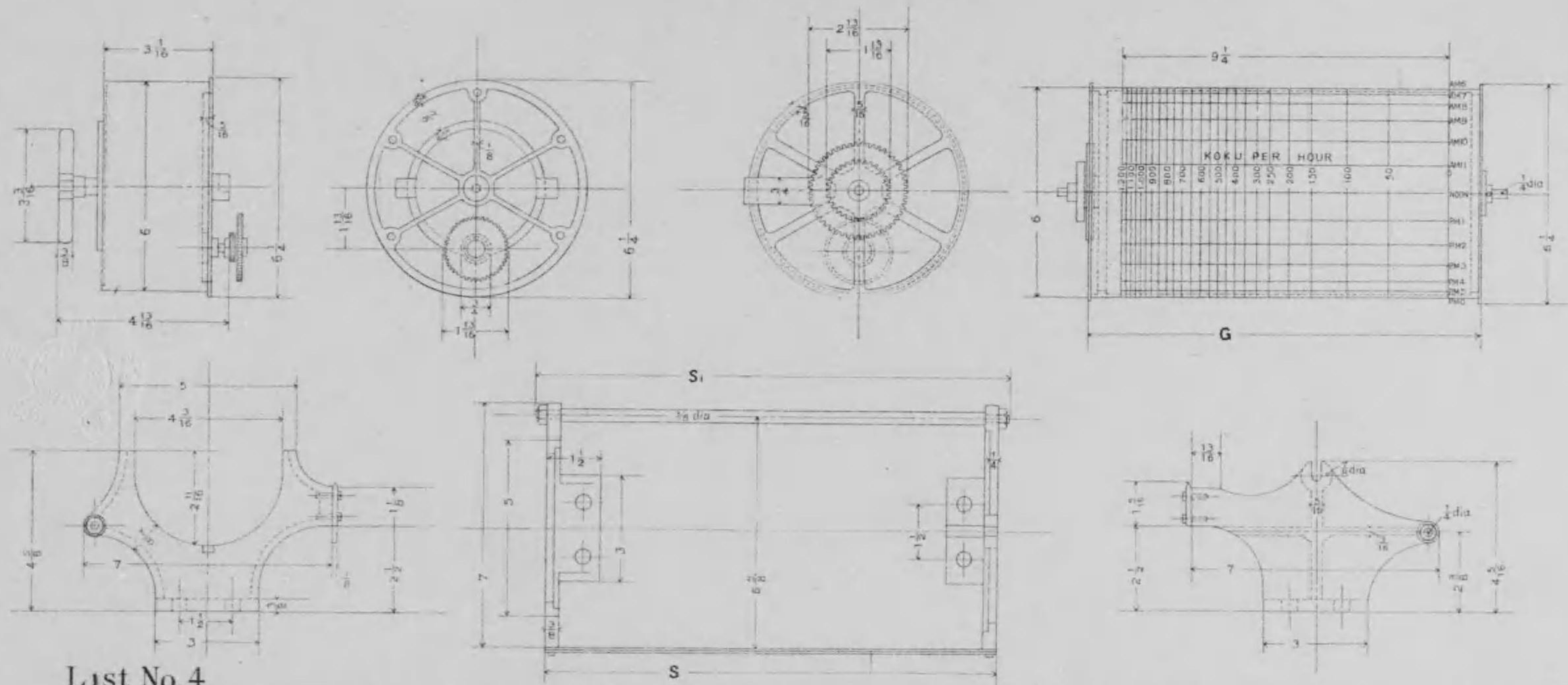
*The Stem Line
Always Passes
Between Two Holes.*

Scale 1 1/2 in = One foot.



Scale Half Size.

Scale 3in = One foot.



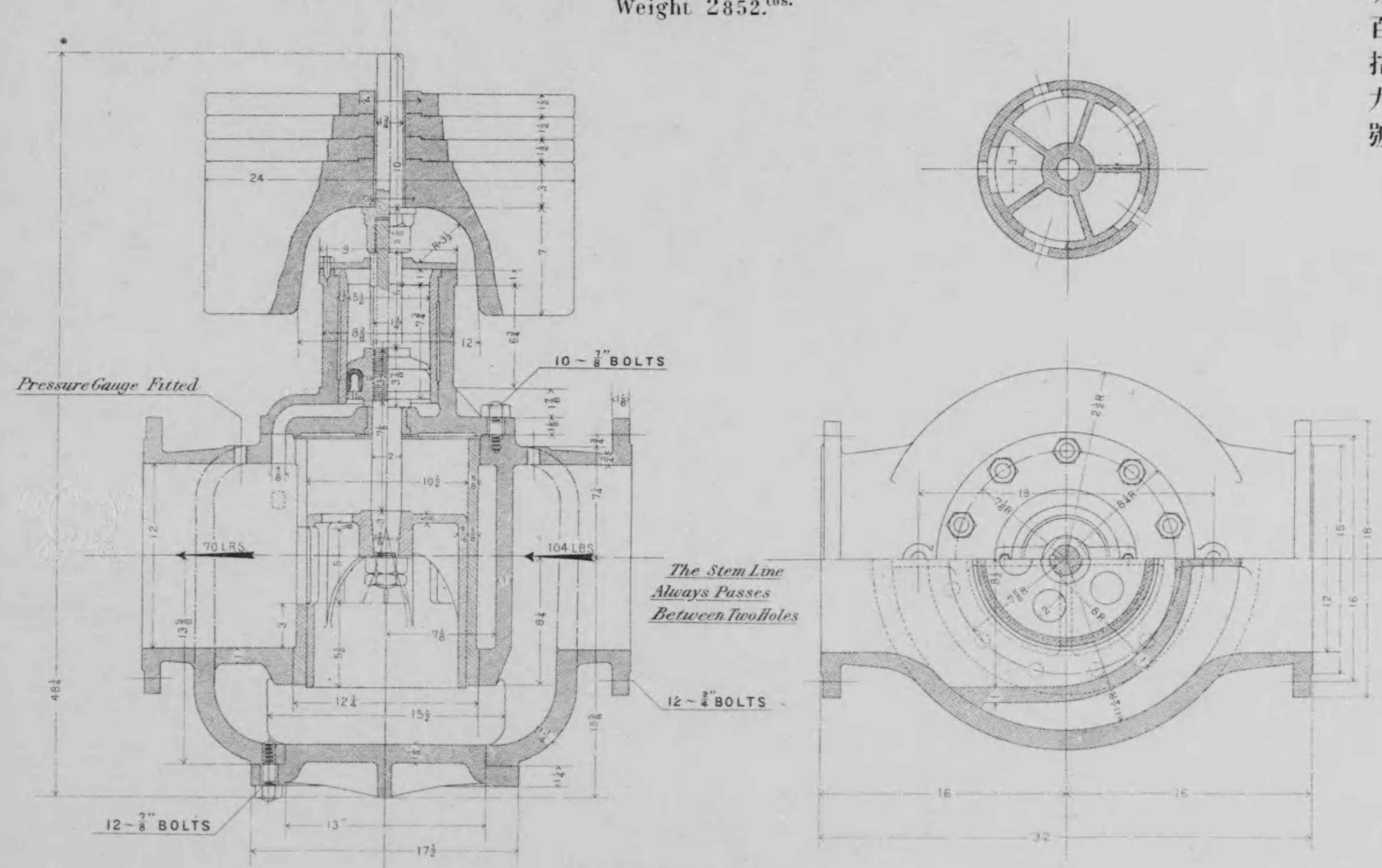
List No. 4

Size of Meter	D ₁	D ₂	d	F	F ₁	F ₂	F ₃	B	B ₁	B ₂	B ₃	E	E ₁	E ₂	E ₃	T	L	L ₁	L ₂	G	H	H ₁	H ₂
in. mm.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
10 250	14	16	12 ¹ / ₄	21 ⁷ / ₈	23 ¹ / ₄	15 ³ / ₁₆	6 ¹ / ₈	16 ¹¹ / ₁₆	19 ³ / ₈	12 ⁹ / ₁₆	5 ¹ / ₂	1	1 ¹ / ₁₆	1 ¹³ / ₁₆	1 ¹³ / ₁₆	1 ¹³ / ₁₆	30	8 ³ / ₄	12 ³ / ₄	12 ¹ / ₈	19	4 ¹ / ₈	3 ⁷ / ₈
8 200	11 ¹ / ₂	13 ¹ / ₄	8 ³ / ₈	19 ¹ / ₈	16 ¹¹ / ₁₆	11 ¹ / ₂	7 ¹ / ₁₆	14 ¹ / ₂	13 ³ / ₈	9 ¹ / ₄	4 ¹¹ / ₁₆	1	1 ¹ / ₁₆	3 ¹ / ₄	1 ¹ / ₁₆	3 ¹ / ₄	30	11 ¹ / ₄	9 ⁷ / ₈	11 ¹ / ₈	13 ³ / ₄	3 ⁷ / ₁₆	4 ¹ / ₈
6 150	9 ¹ / ₄	11	6 ⁹ / ₁₆	17	14 ³ / ₄	10 ⁹ / ₁₆	7	13 ³ / ₈	11 ⁷ / ₁₆	8	4 ³ / ₈	1	3 ¹ / ₈	3 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₄	22	5 ¹ / ₂	8 ¹³ / ₁₆	9 ³ / ₈	11 ¹ / ₈	3	2 ³ / ₄
4 100	7	8 ¹ / ₂	5 ⁵ / ₁₆	15 ¹³ / ₁₆	12 ⁷ / ₈	8 ⁵ / ₈	6 ¹¹ / ₁₆	11 ⁹ / ₁₆	9 ¹¹ / ₁₆	6 ³ / ₄	4	7 ¹ / ₈	3 ¹ / ₄	3 ¹ / ₈	7 ¹ / ₁₆	3 ¹ / ₈	24	7 ¹ / ₈	7 ³ / ₈	7 ¹³ / ₁₆	9 ⁷ / ₁₆	2 ¹⁵ / ₁₆	1 ³ / ₈
Size of Meter	h	h ₁	Y	C	C ₁	O	O ₁	S	S ₁	P	P ₁	R	R ₁	Number and Size of End Flange Bolts(b)	Number and Size of Throat Flange Bolts(b)	Number and Size of Cover Flange Bolts(b)	Weight in LBS	Max. Registration Koku Per Hour	Prices				
in. mm.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.										
10 250	9 ³ / ₄	4 ¹ / ₈	37 ⁷ / ₈	15 ⁷ / ₈	2	21 ¹ / ₈	14 ¹ / ₈	13 ¹³ / ₁₆	14 ¹ / ₄	9 ³ / ₄	8 ¹ / ₂	10 ¹ / ₄	5 ⁷ / ₈	8 - 3/4	22 - 3/8	12 - 1/2	932	1,750	638 ³				
8 200	6 ⁷ / ₈	4 ¹ / ₈	33 ³ / ₁₆	16	2 ³ / ₈	18 ¹ / ₄	13 ³ / ₈	12 ³ / ₄	13 ¹ / ₄	7 ⁵ / ₁₆	7	9 ¹ / ₂	4 ¹³ / ₁₆	8 - 3/8	20 - 3/8	10 - 1/2	484	1,000	448				
6 150	6 ³ / ₁₆	4 ¹ / ₈	27 ¹ / ₁₆	13 ⁵ / ₁₆	1 ³ / ₄	16 ³ / ₁₆	11 ¹ / ₄	10 ³ / ₄	11 ¹ / ₄	5 ³ / ₄	6 ¹ / ₂	7 ³ / ₄	4 ¹¹ / ₁₆	8 - 3/8	16 - 3/8	8 - 1/2	315	750	334.50				
4 100	4 ¹³ / ₁₆	4 ¹ / ₈	25	12	2 ³ / ₄	14 ¹ / ₁₆	8 ¹⁵ / ₁₆	9 ⁹ / ₁₆	9 ¹⁵ / ₁₆	4 ¹⁵ / ₁₆	5	7 ¹ / ₁₆	3 ³ / ₈	4 - 3/8	14 - 3/8	8 - 1/2	254	350	278				

12" Pressure Reducing Valve

Weight 2852 lbs.

第百拾九號



Scale 1 1/2" = One foot

10" & 8" Pressure Reducing Valves.

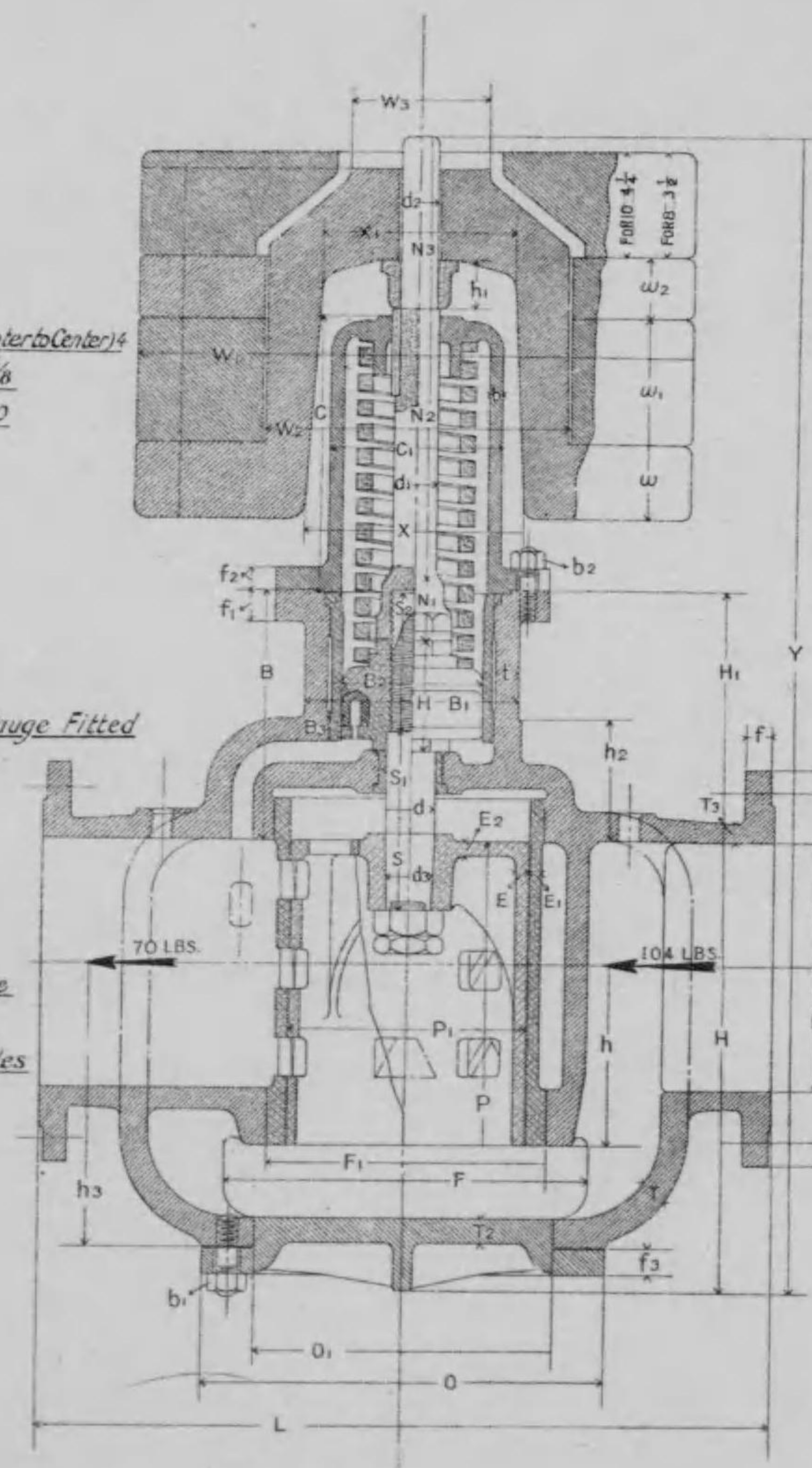
Dimensions List No 5

第百二拾號

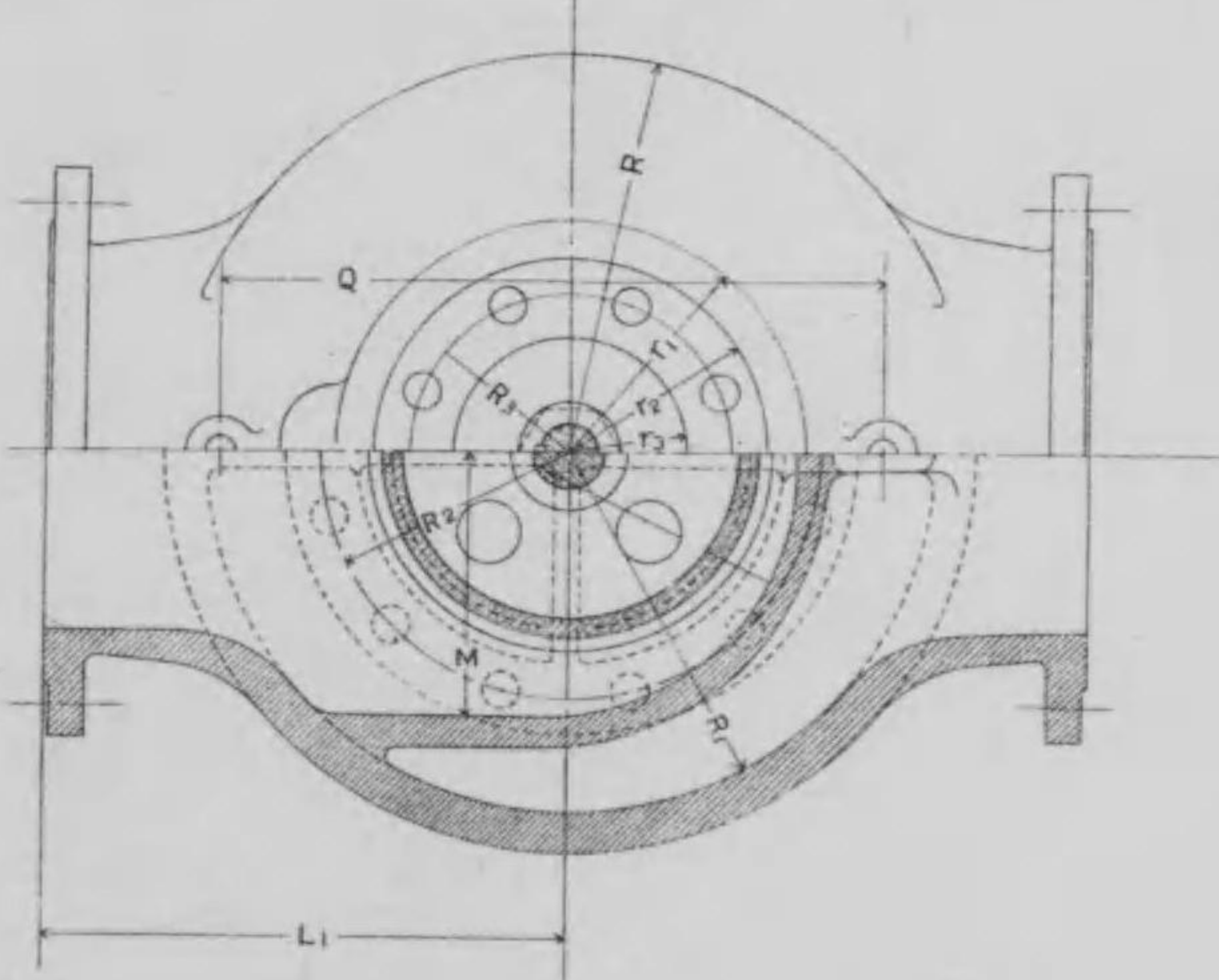
Spring.
Dia of Coil (Center to Center) 4
Size of Coil 7/8
No of Coil 10

Pressure Gauge Fitted

The Stem Line
Always Passes
Between Two Holes



Size of Valve D	D ₁	D ₂	L	L ₁	H	H ₁	h	h ₁	h ₂	h ₃	R	R ₁	R ₂	R ₃	r	r ₁	r ₂	r ₃	M	Q
10 250	14	16	29	14 1/2	13 1/8	15 1/8	7 1/4	2	5	11 1/2	11 1/4	10 1/8	7	4 1/2	7	6 1/2	5 1/2	3 3/8	7 3/8	18 1/2
8 200	11 1/2	13 1/4	24 1/2	12 1/4	11 1/4	14 1/8	6	1 3/8	4 7/8	9 3/4	9 1/4	8 1/4	6	4 1/2	5 3/8		5 1/2	3 3/8	6	15 1/2
Size of Valve D	T	T ₁	T ₂	T ₃	t	t ₁	F	F ₁	f	f ₁	f ₂	f ₃	O	O ₁	E	E ₁	E ₂	E ₃	C	C ₁
10 250	1 1/8	7/8	1	3/4	7/8	1/2	14 1/2	11 1/4	1	1 1/4	7/8	1 1/8	16	12	1/2	9/16	5/8	1/2	11 1/8	6 3/4
8 200	1	3/4	1	5/8	11/16	1/2	12	9 1/4	1	1 1/4	7/8	1 1/8	14	10	7/16	1/2	1/2	1/2	11 1/8	6 3/4
Size of Valve D	B	B ₁	B ₂	P	P ₁	S	S ₁	S ₂	d	d ₁	d ₂	d ₃	N	N ₁	N ₂	N ₃	X	X ₁	A	A ₁
10 250	10	8 3/8	5 1/2	12 1/4	2 1/2	2 15/16	4 1/4	5 1/2	2	1 3/4	1 1/2	1 3/8	4 1/2	2 1/2	10 3/4	7	8 3/4	7 3/4	2 1/2	3/8
8 200	10	7 1/4	4 3/4	10 1/2	7 7/8	2 15/16	4 1/2	5	1 1/4	1 3/4	1 1/2	1 3/8	4 1/4	2 3/8	10 3/4	5 1/2	8 1/2	7 1/2	2	3/8
Size of Valve D	W	W ₁	W ₂	W ₃	w	w ₁	w ₂	Y	Number and Size of End Elong Bol (s) (b)			Number and Size of Bottom Flange Bol (s) (b)			Number and Size of Throat Flange Bol (s) (b)			Weight in LBS	Prices	
10 250	14	22	12	5 1/2	3	5	2 1/2	46 5/8	8 - 3/4			12 - 3/4			8 = 3/4			2.330.	300-00	
8 200	13	16	11 1/2	4 1/2	3	3 3/4	3 3/4	42 1/4	8 - 7/8			10 - 3/4			8 = 3/4			1.615.	200-00	



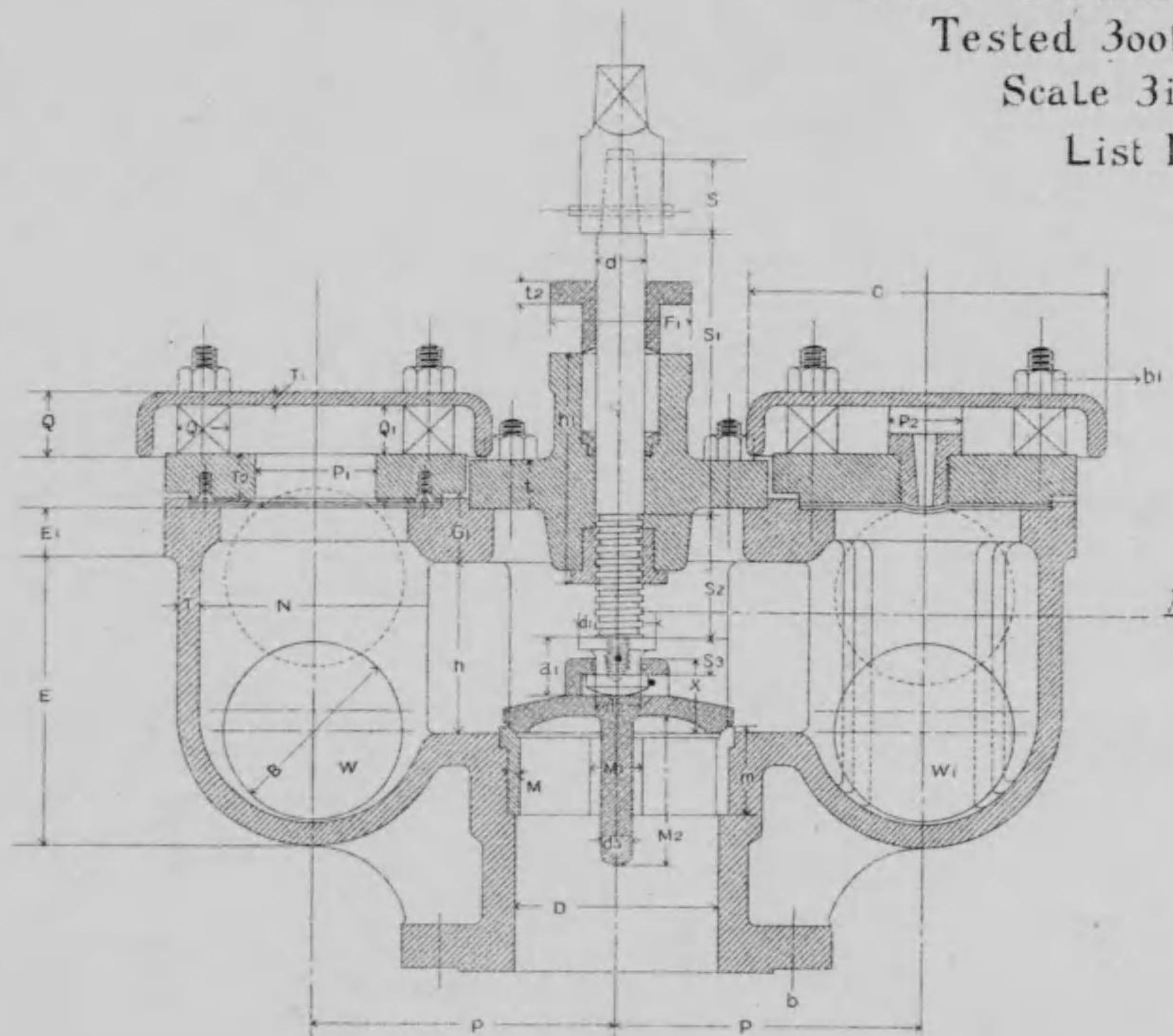
Scale 1 1/2 in = One foot.

4

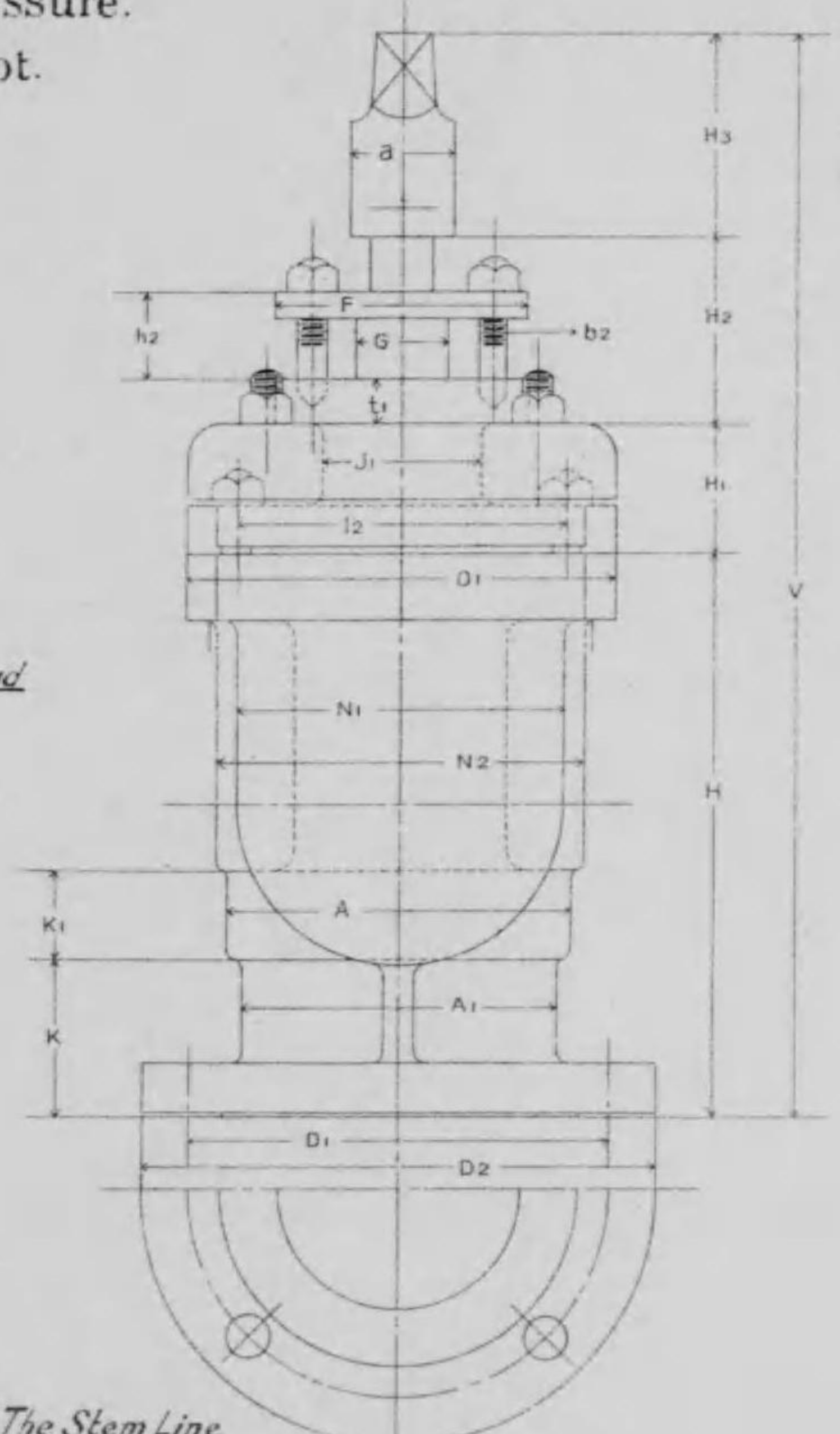
4

4" & 6" Double Air Valves,
 Tested 300 lbs Water Pressure.
 Scale 3 in = One foot.
 List No. 6

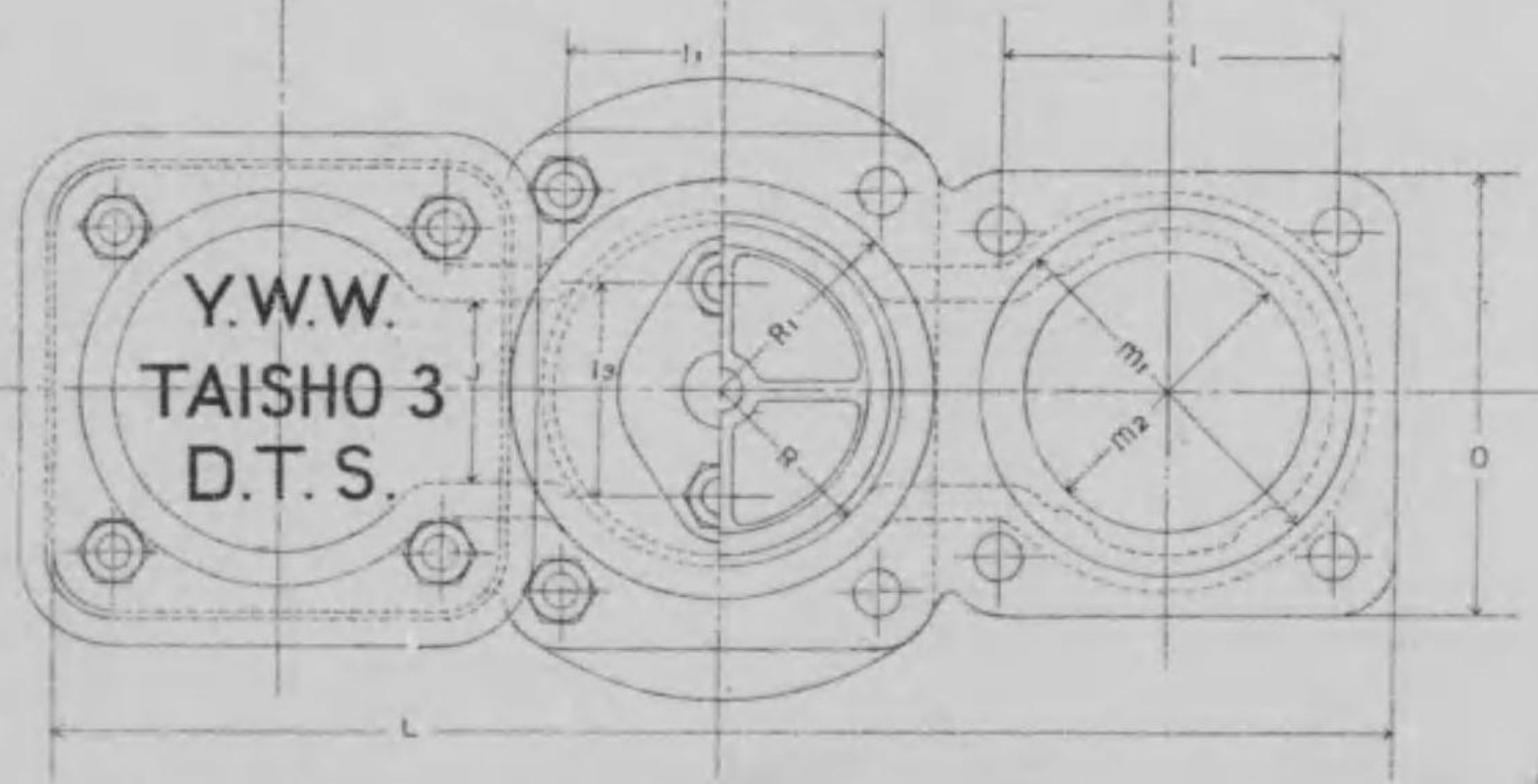
第百二十一號



*Pitch & SQ Thread
G.M. Spindle.*



*The Stem Line
Always passes
Between Two Holes.*



Y.W.W.
TAISHO 3
D.T.S.

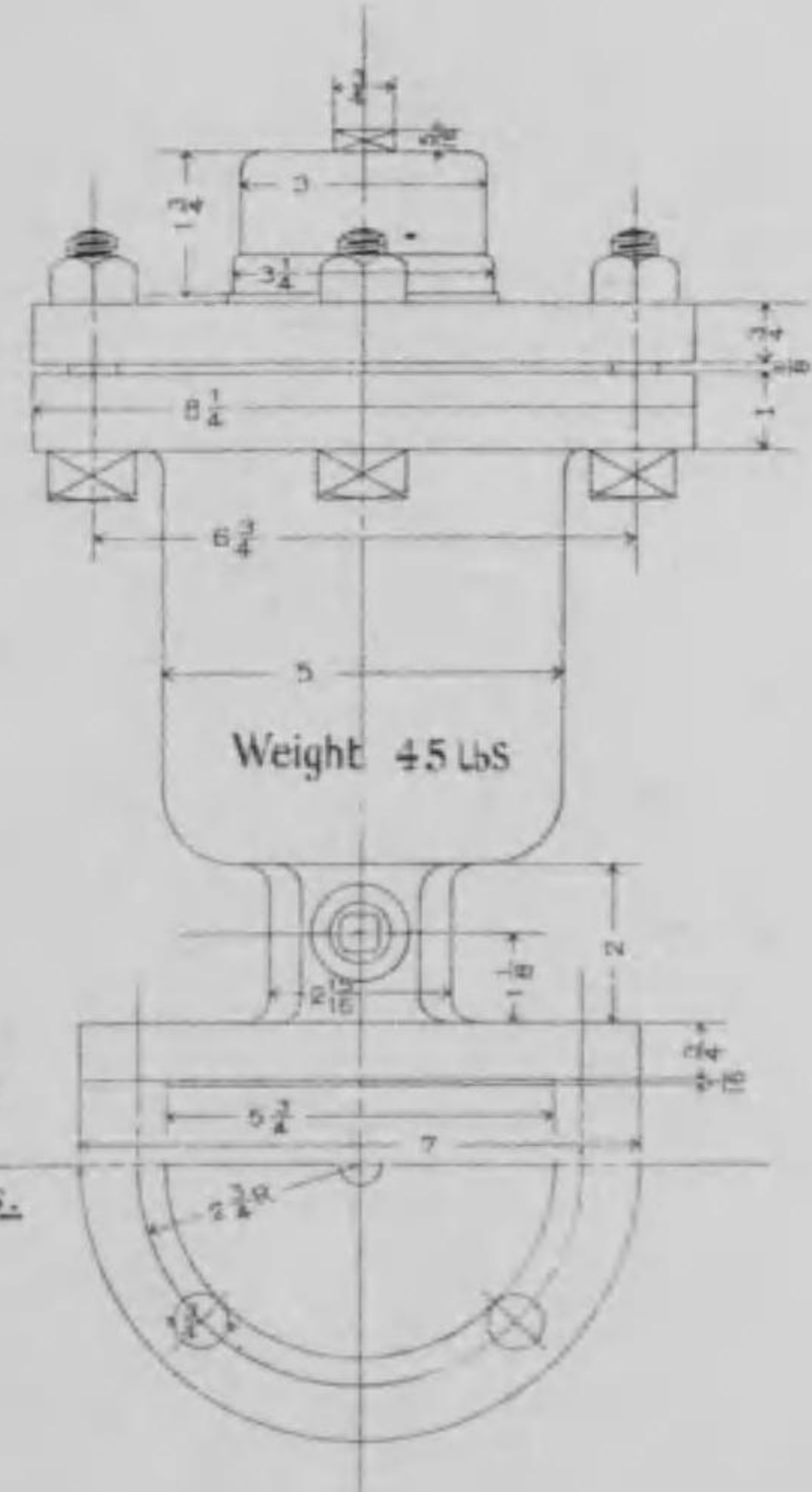
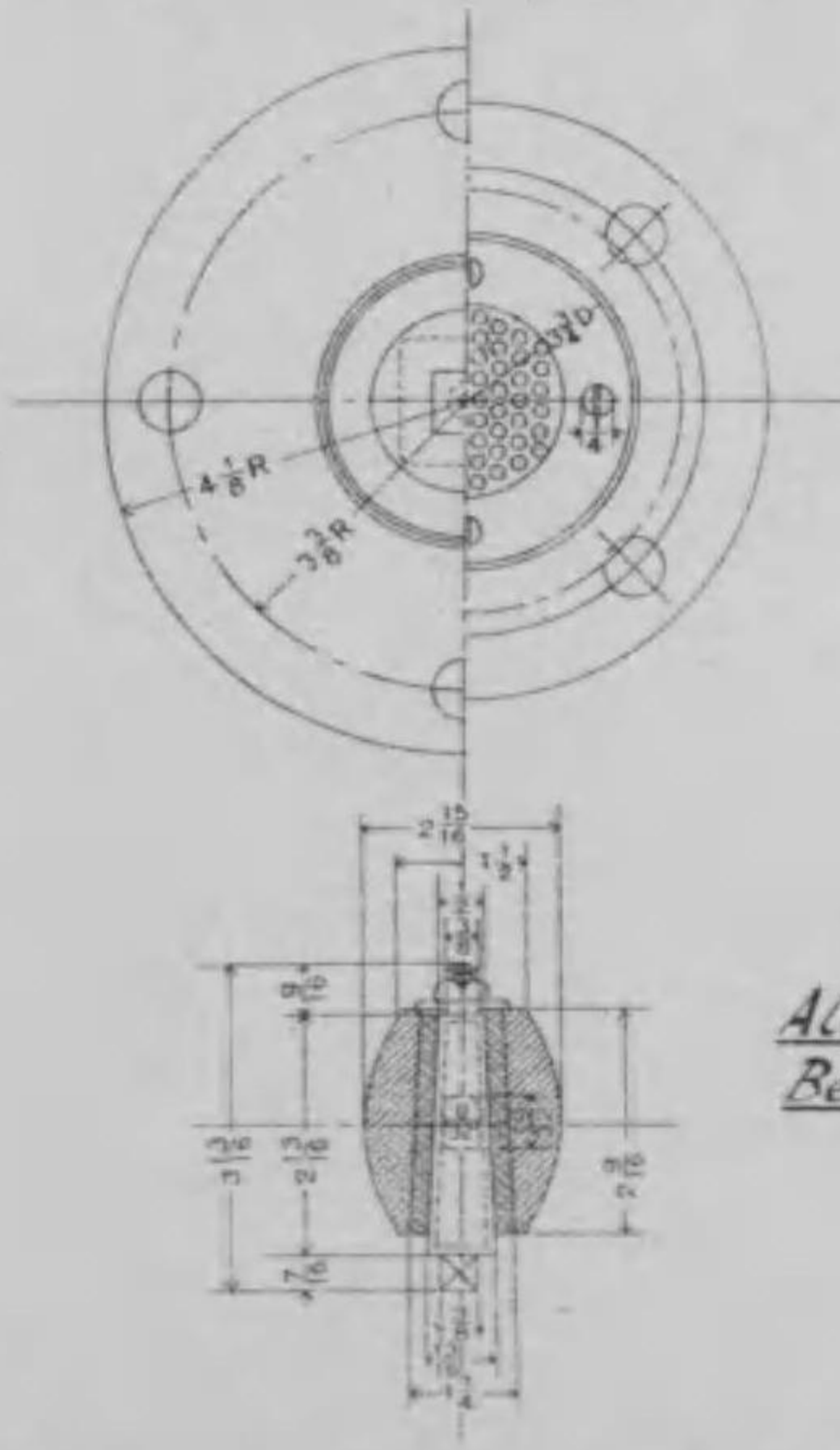
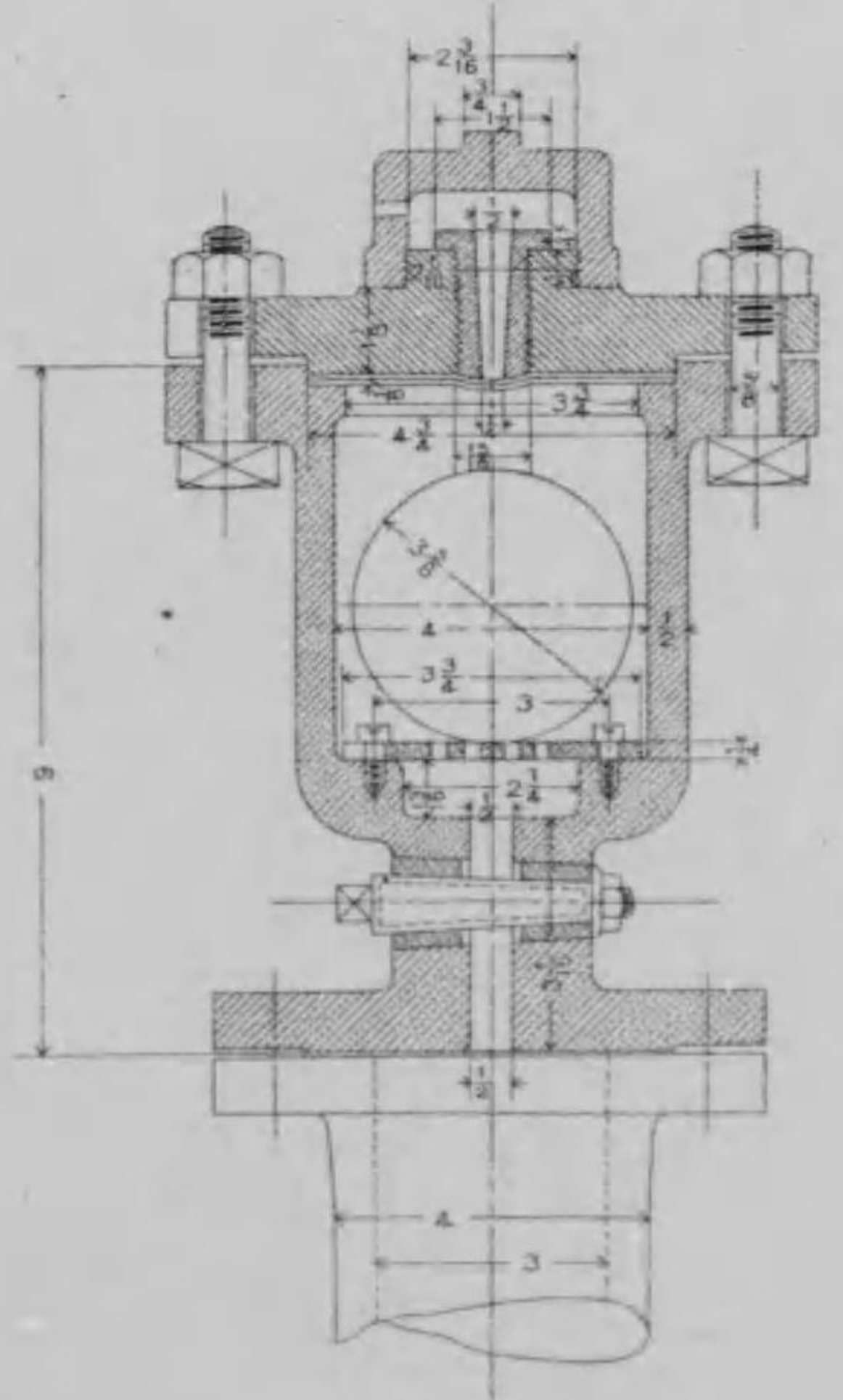
4

4

List No. 6

Size of Valve D		D ₁	D ₂	d	d ₁	d ₂	d ₃	A	A ₁	a	a ₁	B	C	E	E ₁	F	F ₁	G	G ₁	H	H ₁	H ₂	H ₃	n	h ₁	h ₂	l	l ₁	l ₂	
in.	m.m.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
6	150	9 1/4	11	1 1/4	1 3/4	1 1/4	1	7 11/16	7 1/4	2	1 1/4	5	8 9/16	7 3/8	1 1/8	4 7/8	3	1 3/4	1 5/16	12 1/4	2 1/2	2 11/16	4 3/8	4 9/16	4 13/16	1 3/8	5 1/2	5 1/2	6 7/8	
4	100	7	8 1/2	1	1 1/2	7/8	5/8	5 11/16	5 1/4	1 5/8	1 1/4	3 3/8	7 3/8	5 13/16	1 1/8	4 3/8	2 13/16	1 1/2	1 5/16	9 9/16	2 1/4	3 1/8	6 7/16	3 3/4	4 5/8	1 7/16	4 1/2	4 5/16	5 9/16	
Size of Valve D		I ₃	J	J ₁	K	K ₁	L	M	M ₁	M ₂	m	m ₁	m ₂	N	N ₁	N ₂	O	O ₁	P	P ₁	P ₂	Q	Q ₁	Q ₂	R	R ₁	r	S	S ₁	
in.	m.m.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
6	150	3 1/2	3	2 13/16	4 5/16	1 1/16	22 3/8	1/4	1 3/8	3	1 11/16	6 7/16	5 1/2	5 15/16	7 1/16	8 1/8	7 3/8	8 3/8	7 5/8	3 1/2	1 1/2	1 5/16	1 1/4	1 1/16	6 7/8	7 3/4	1/8	1 1/2	5 5/8	
4	100	3	2 1/2	2 3/8	2 11/16	1 1/2	18 1/8	3/16	1 1/16	3	1 11/16	5	3 11/16	4 1/2	5 1/2	6 1/8	6 1/8	7 1/8	6	2 3/8	1 1/2	1 5/10	I	I	4 13/16	5 7/8	1/8	1 1/2	5 5/8	
Size of Valve D		S ₂	S ₃	T	T ₁	T ₂	t	t ₁	t ₂	V	V ₁	V ₂	X	Y	Number and Size of			Weight in Lb.S.			Prices									
in.	m.m.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	Bottom Flange Bolts (b)	Cover Flange Bolts (b ₁)	Stuffing Box Bolts (b ₂)	W	W ₁	Total	(Y)									
6	150	4 3/16	3/4	5/16	5/16	1 1/16	1 1/16	13/16	1/2	6 3/8	2 9/16	1 5/16	1 1/16	22 1/16	8 — 3/8	12 — 3/8	2 — 3/8	2.2	2.	202	60.000 62.000	61.000								
4	100	2 1/2	3/4	1/2	1/4	1 1/16	1	3/4	7/16	4 1/2	2 1/16	7/8	1 1/2	18 3/8	4 — 5/8	12 — 1/2	2 — 1/2	.8	.7	134	31.500 35.000 43.000	36.500								

3" Single Air Valve.
Tested 300lbs. Water Pressure.
Scale 3in = One foot.

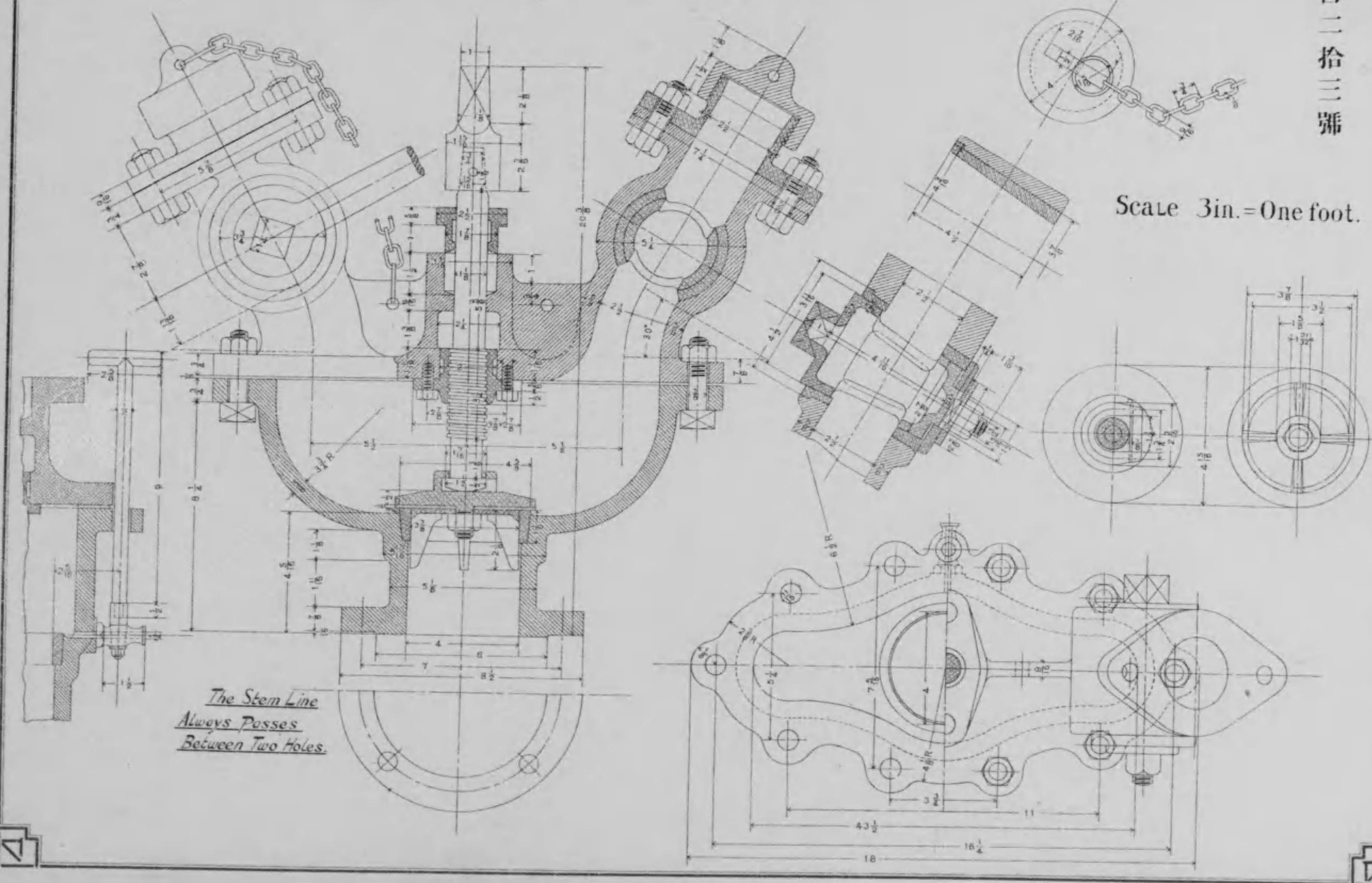


*The Stem Line
Always passes
Between Two Holes.*

Double Fire Hydrant.
Weight 180 lbs.

第百二十拾三號

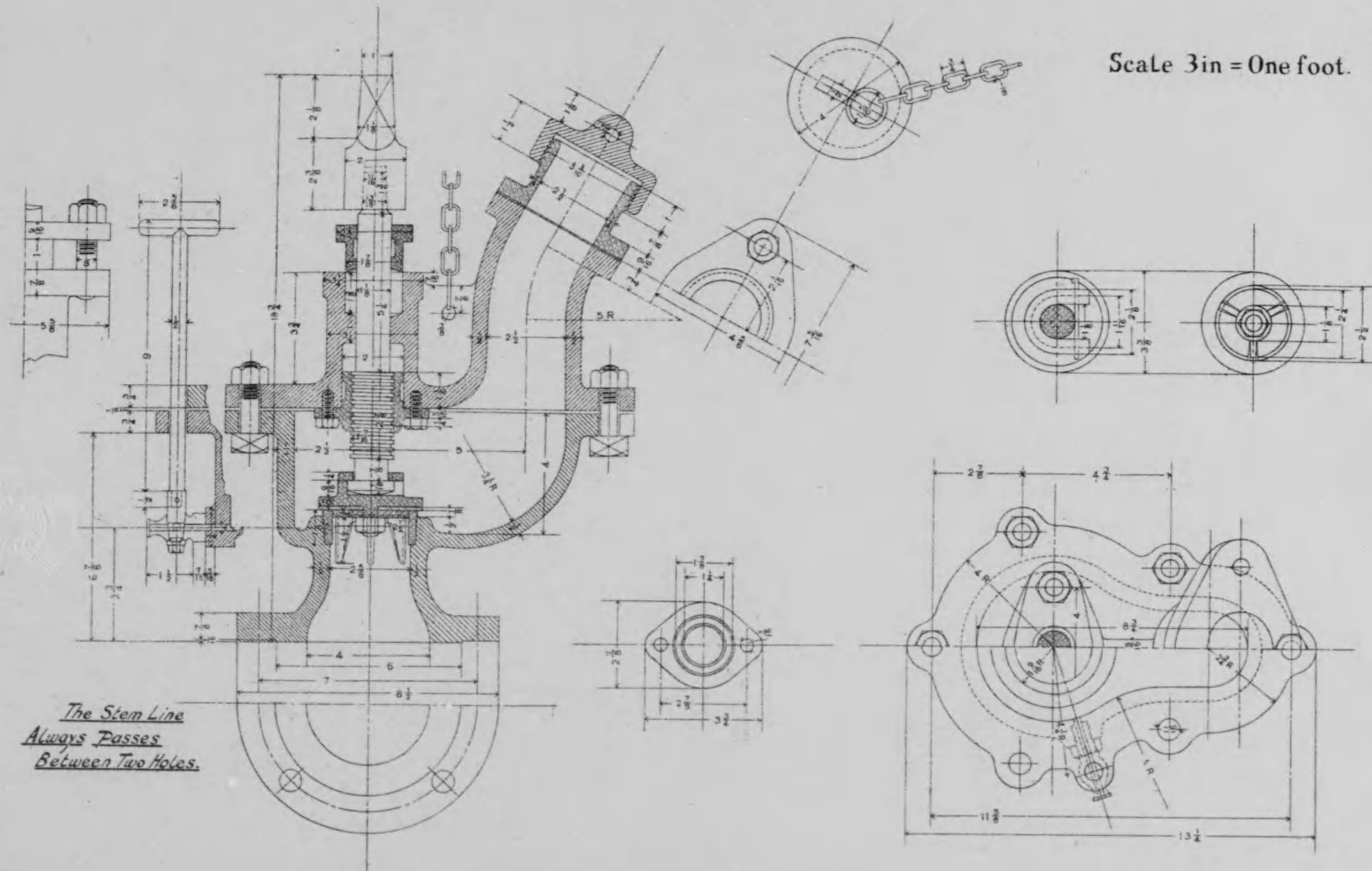
Scale 3in. = One foot.



Single Fire Hydrant.
Weight 90lbs.

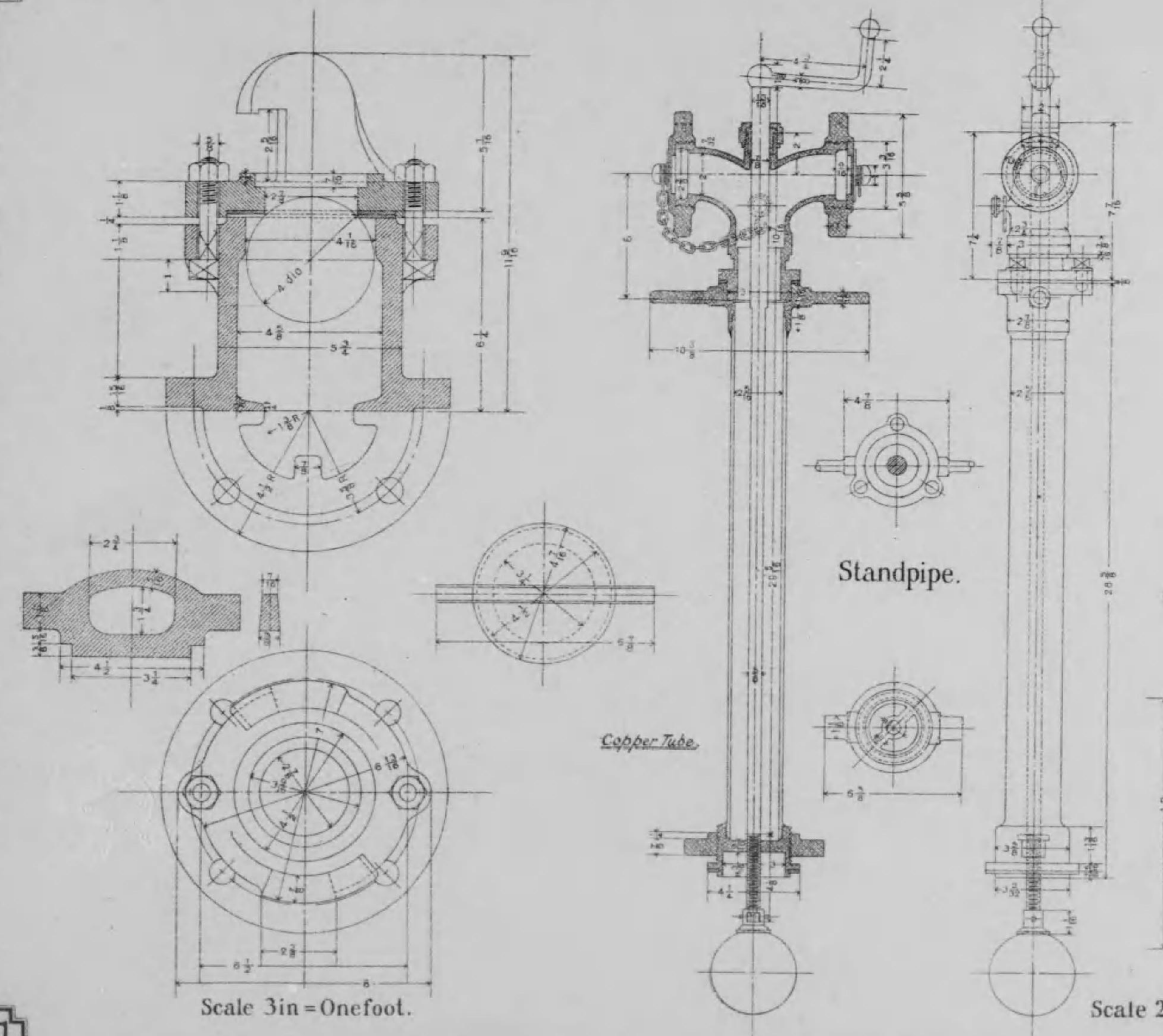
第百二十四號

Scale 3in = One foot.



*The Stem Line
Always Passes
Between Two Holes.*

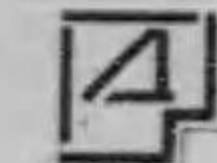
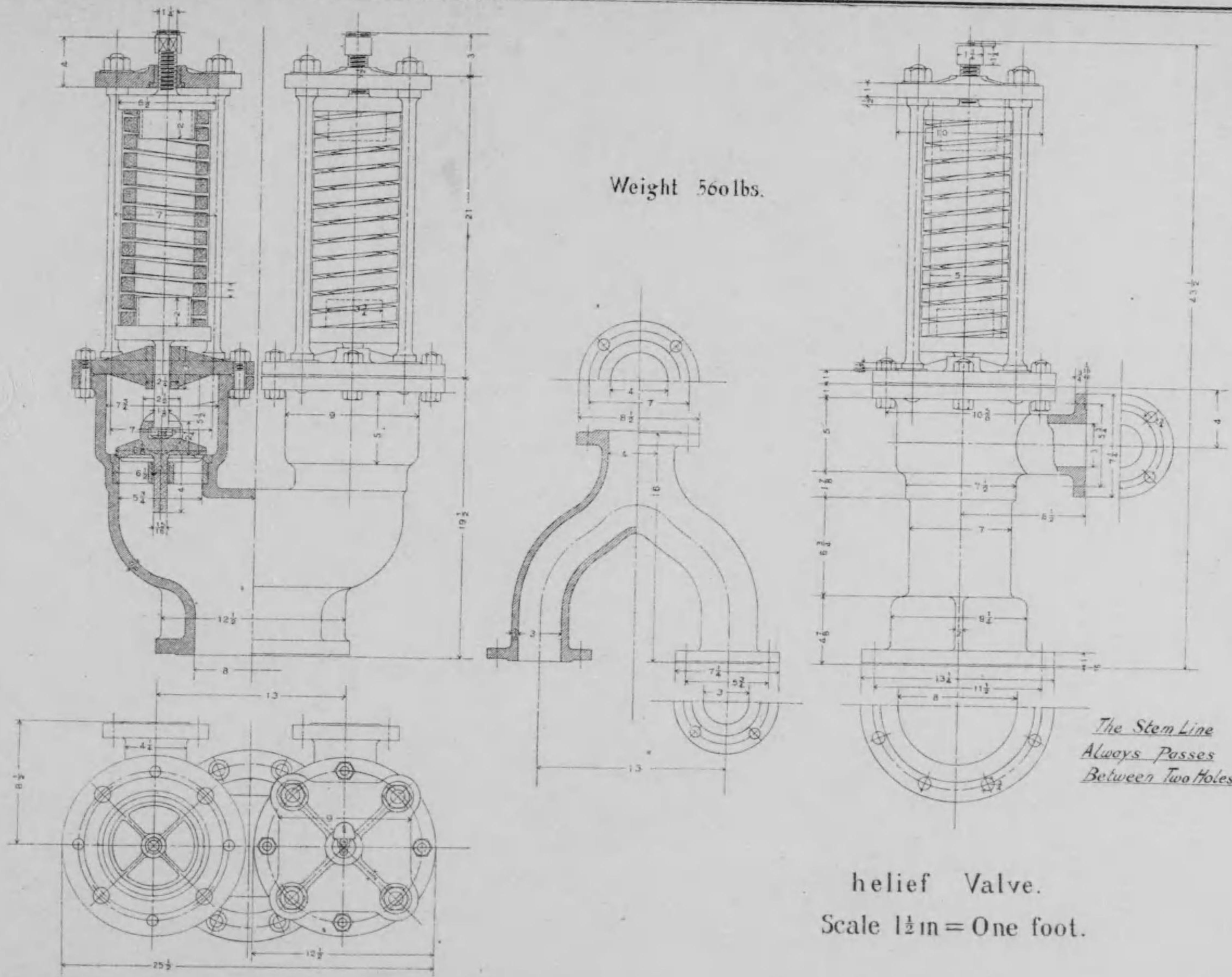
Single Fire Hydrant
(Old Type)

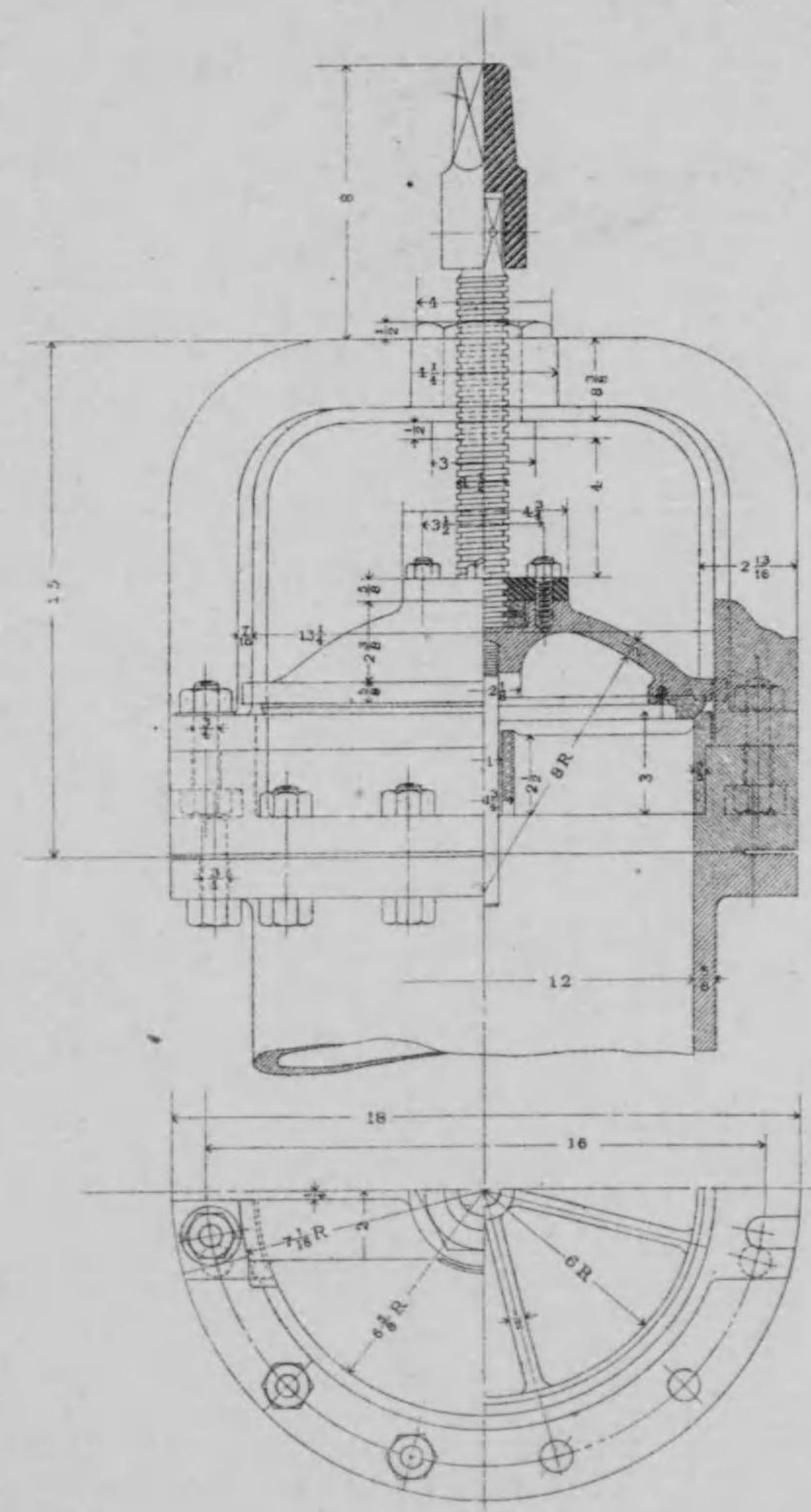


Scale 3in = Onefoot.

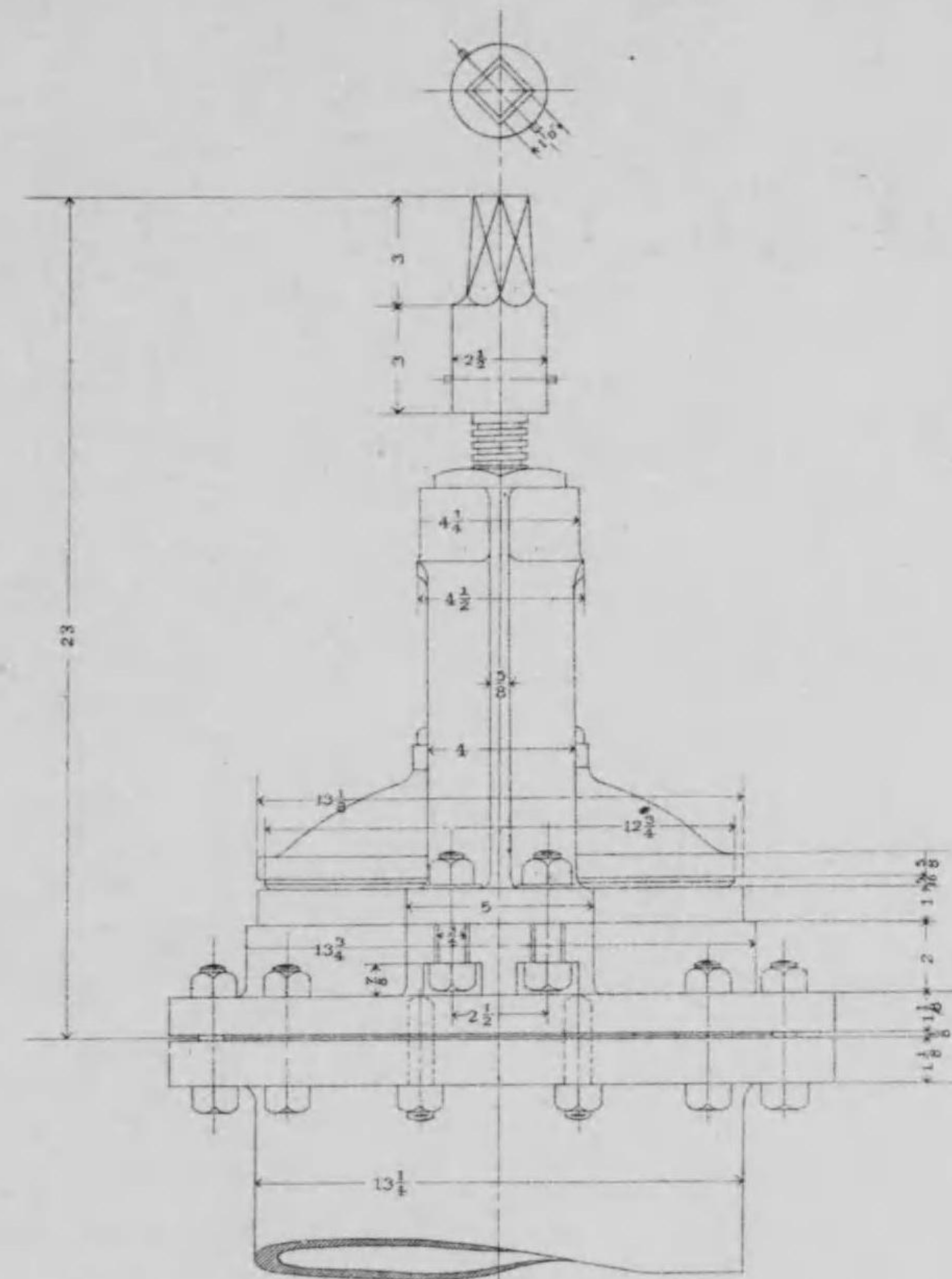
Scale 2in = One foot.

Surface Box.



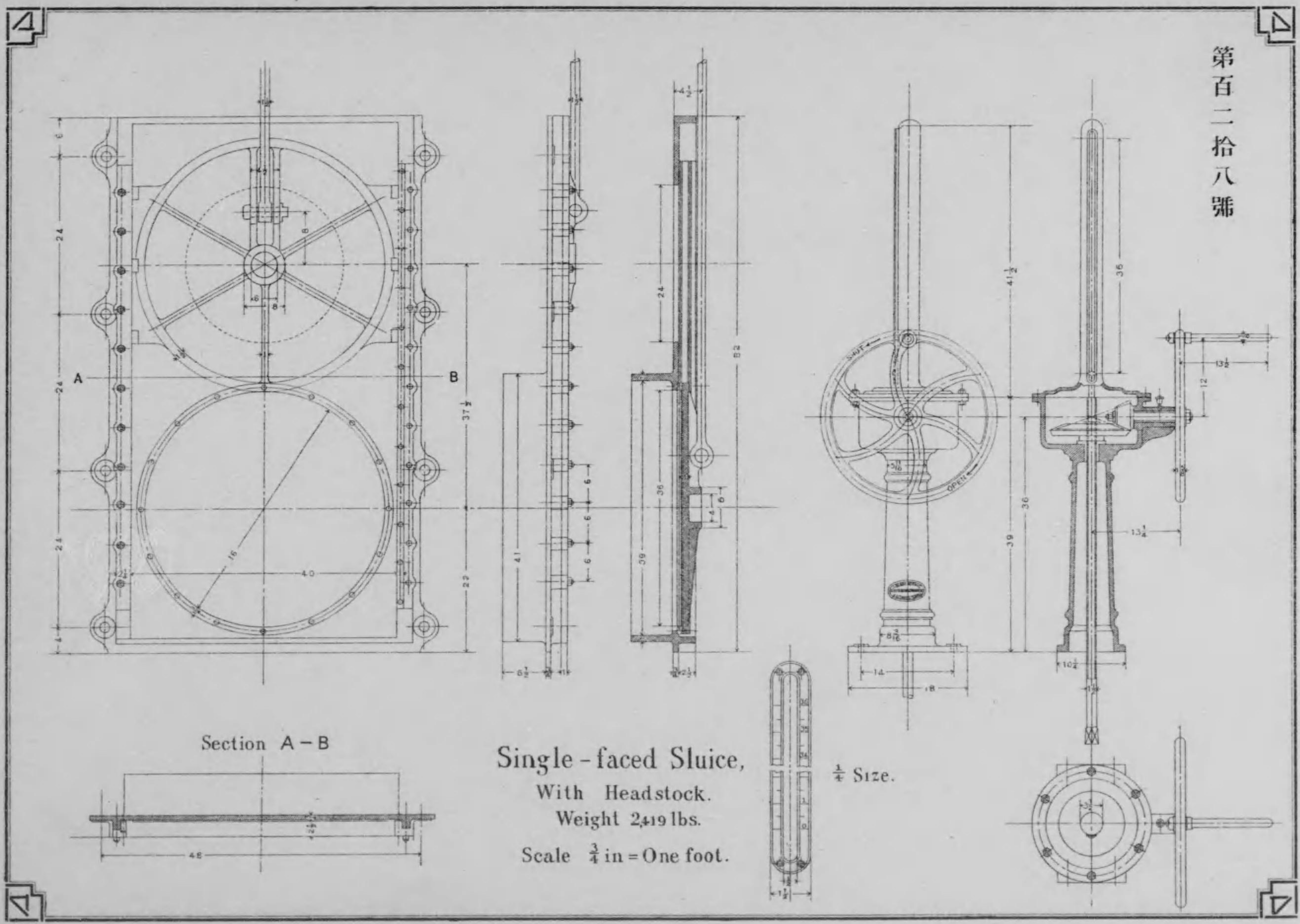


Weight 179 lbs.



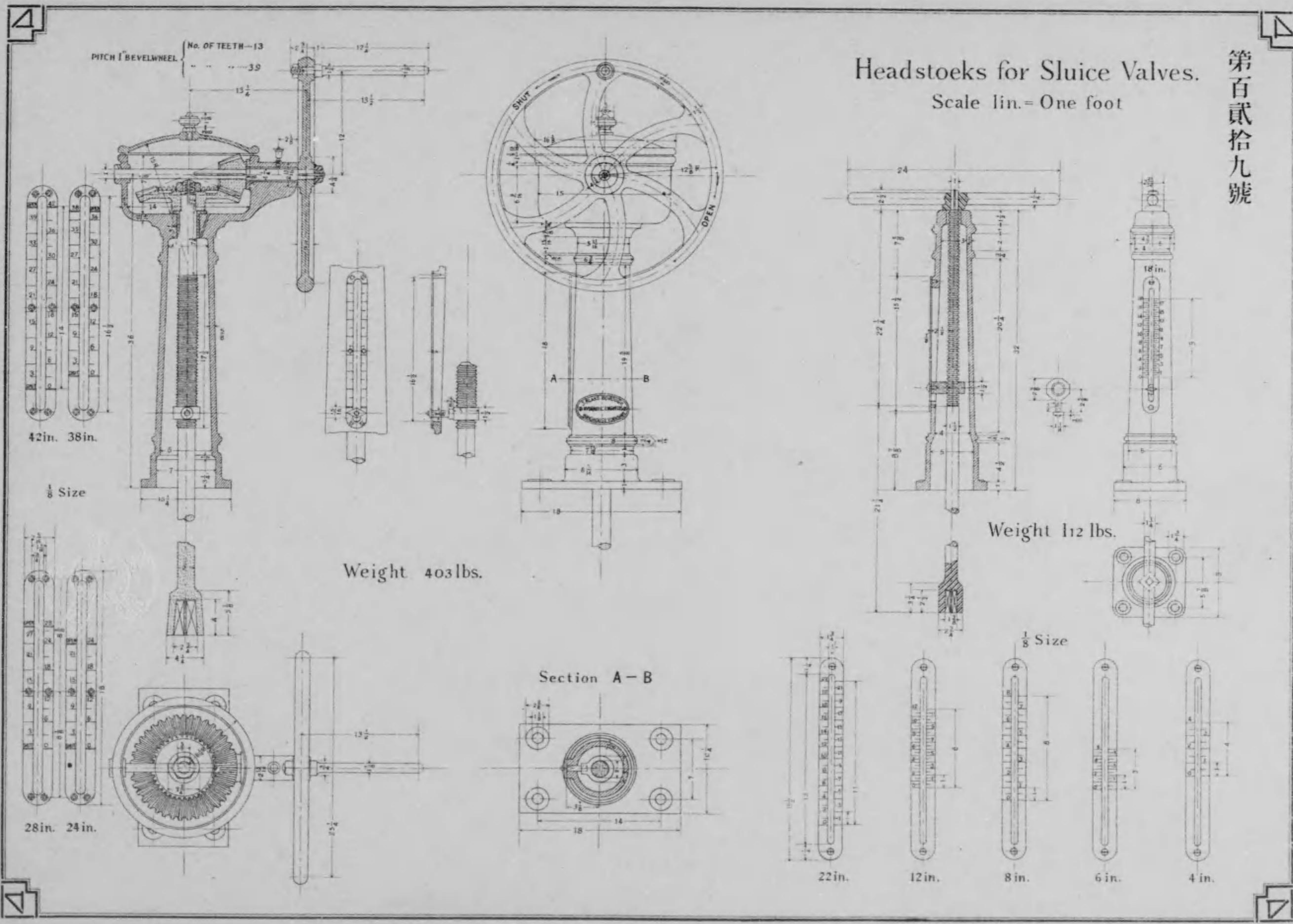
12" Flat Valve.

Scale 2in = One foot.

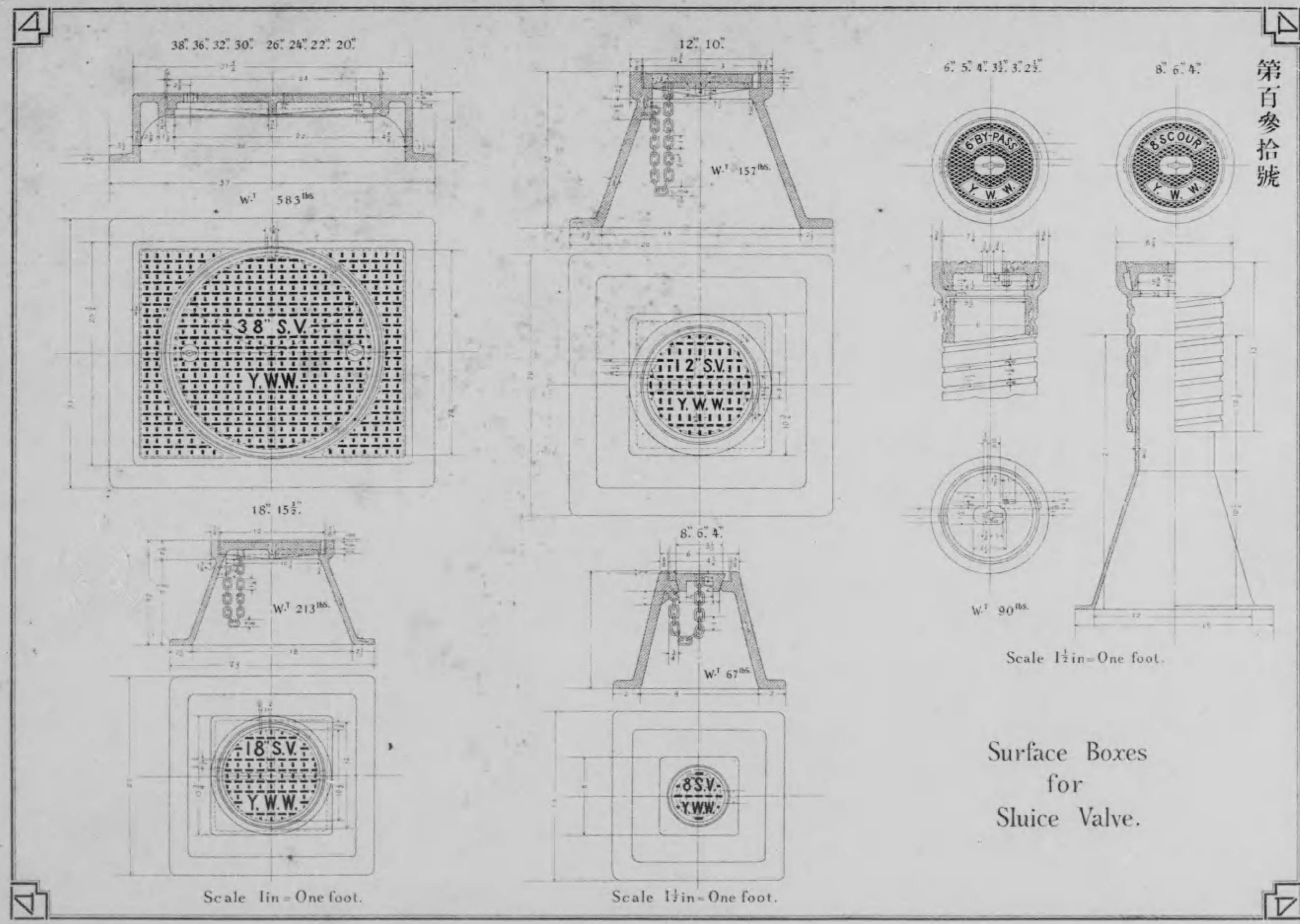


Single-faced Sluice,
With Headstock.
Weight 2,419 lbs.
Scale $\frac{3}{4}$ in = One foot.

$\frac{3}{4}$ Size.



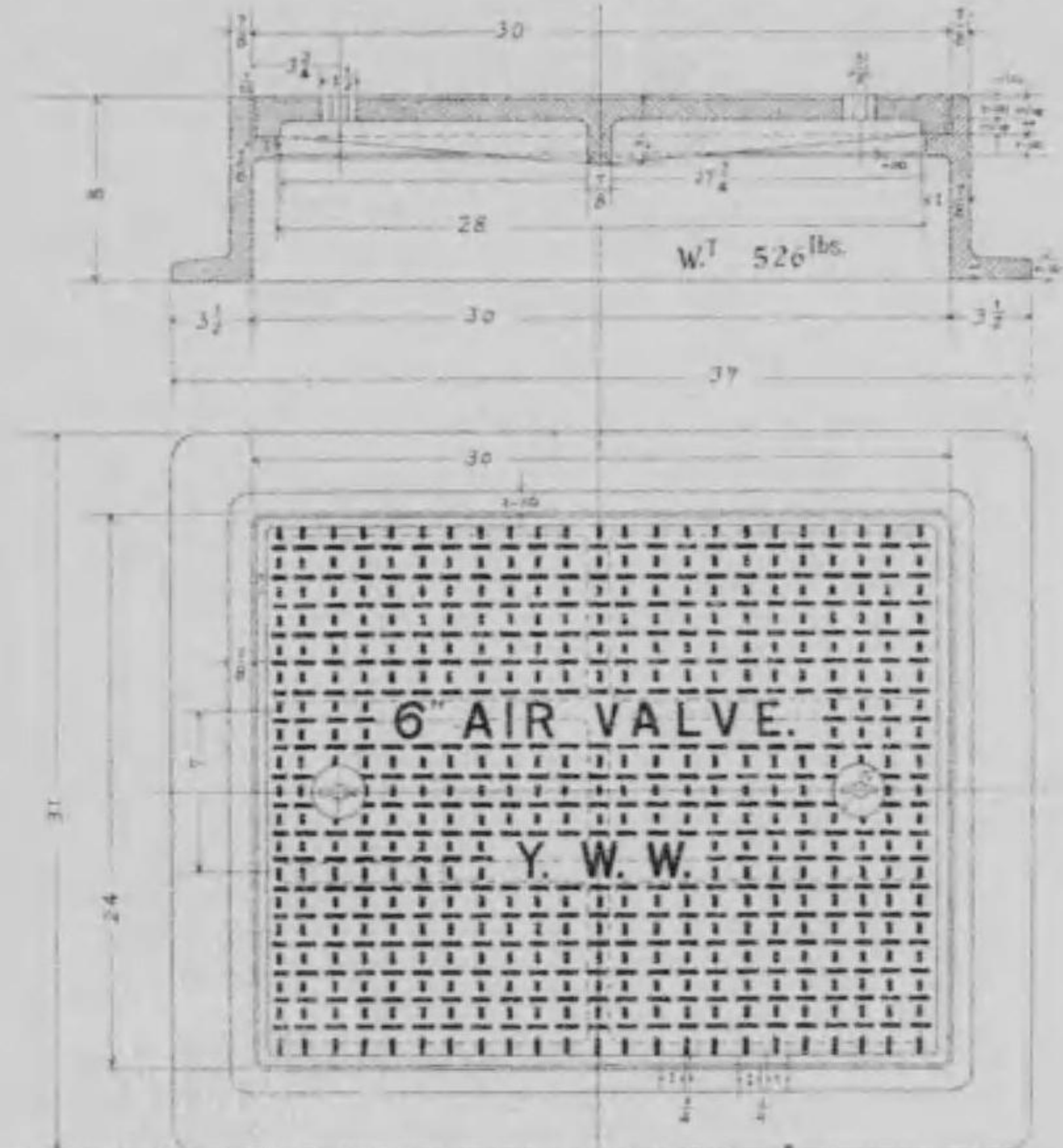
第百貳拾九號



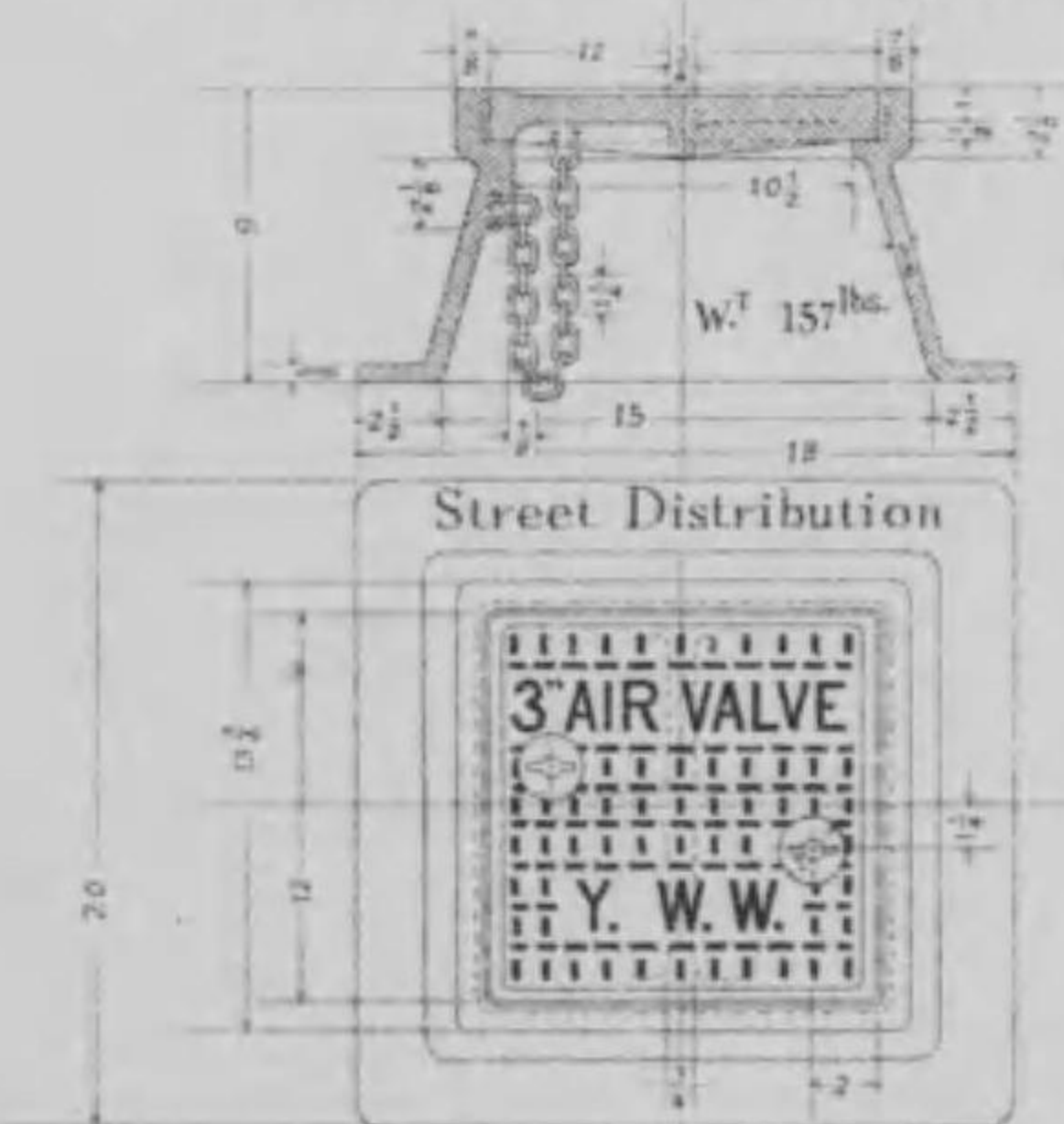
Surface Boxes for Sluice Valve.



Surface Box for Air Valve & Relief Valve.
(6" 4" 3") (8")

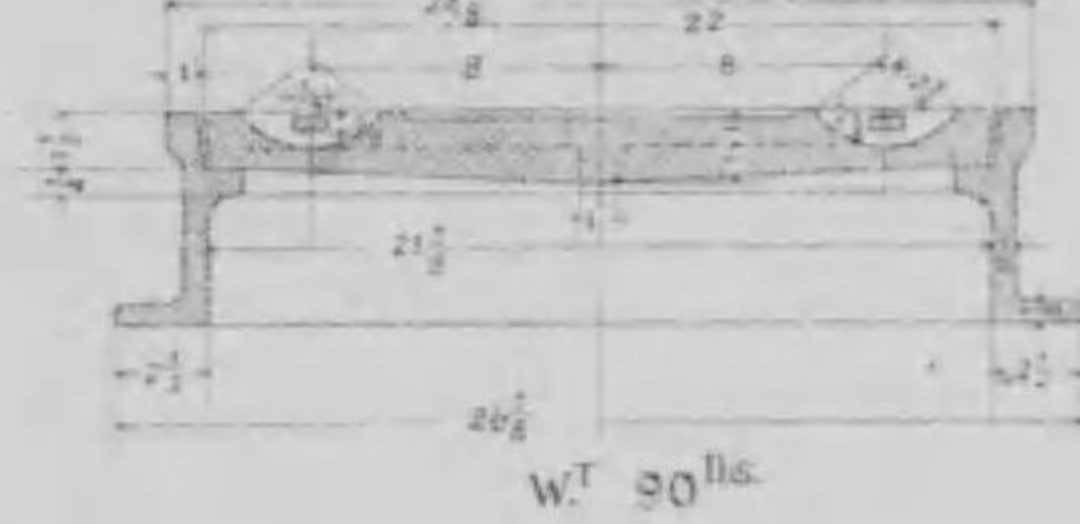


RELIEF VALVE
Surface Box for 3" Single Air Valve.

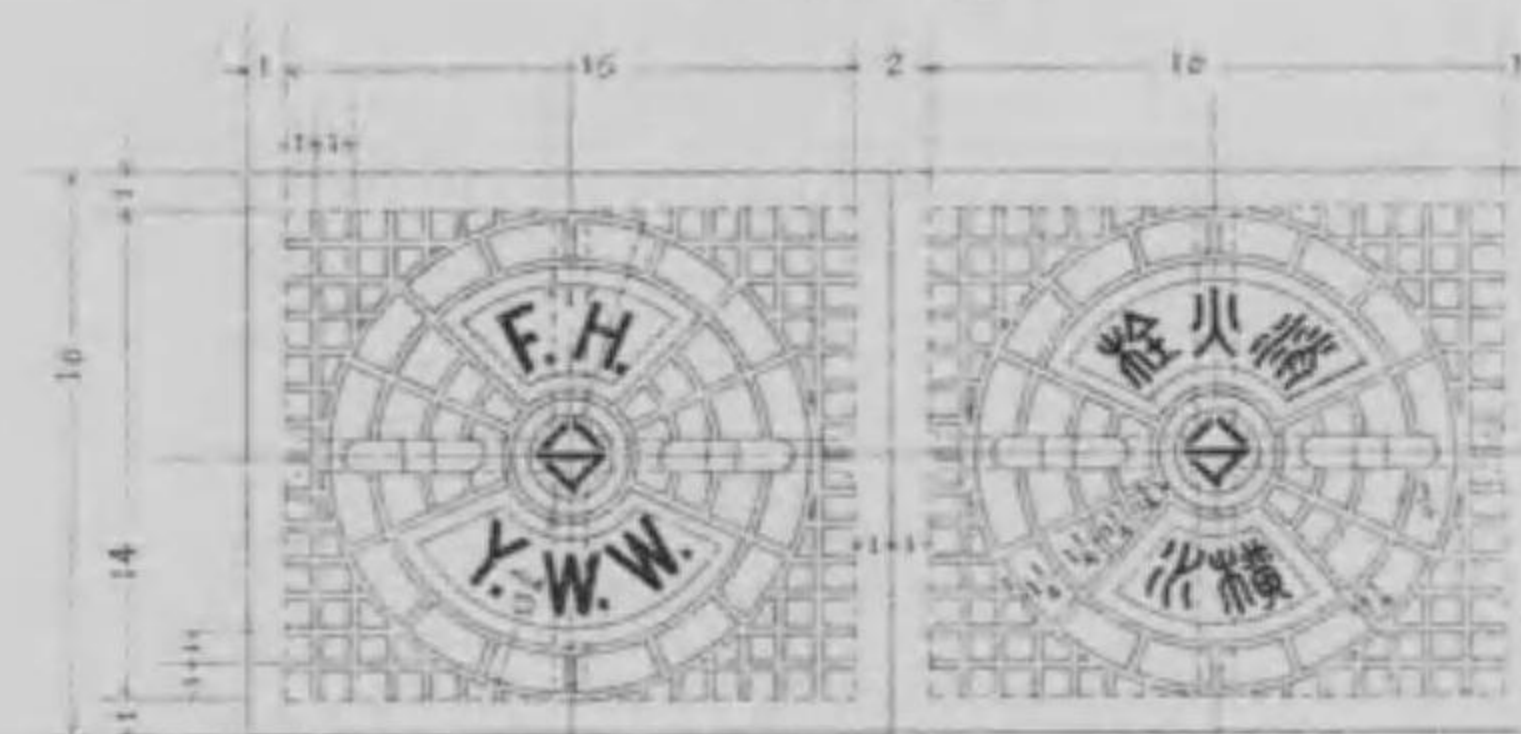
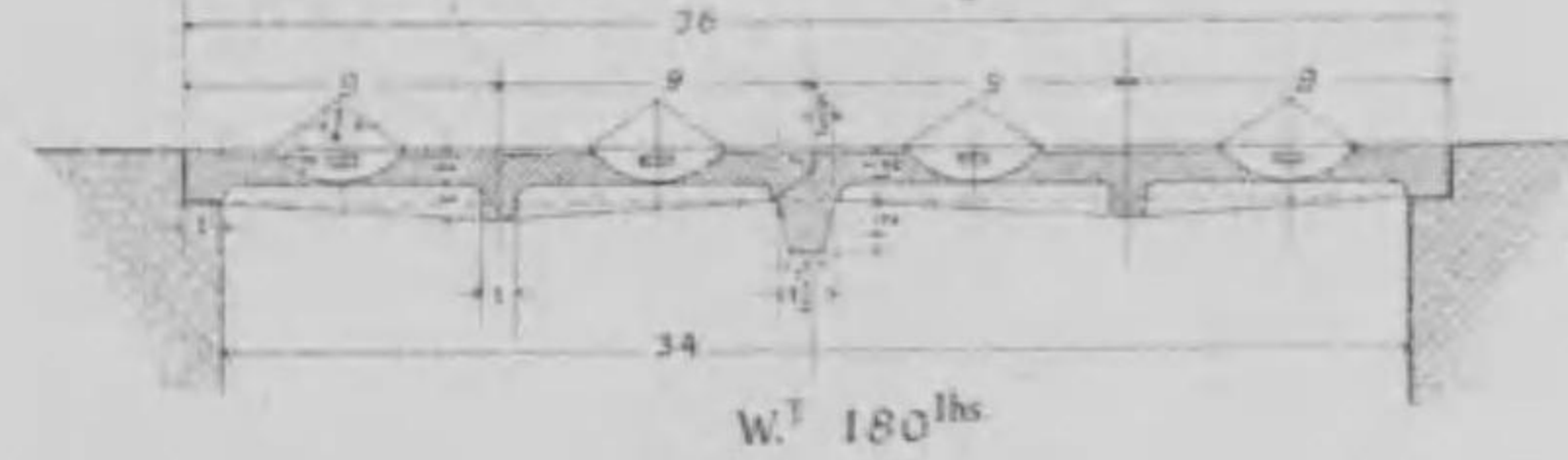


Street Distribution

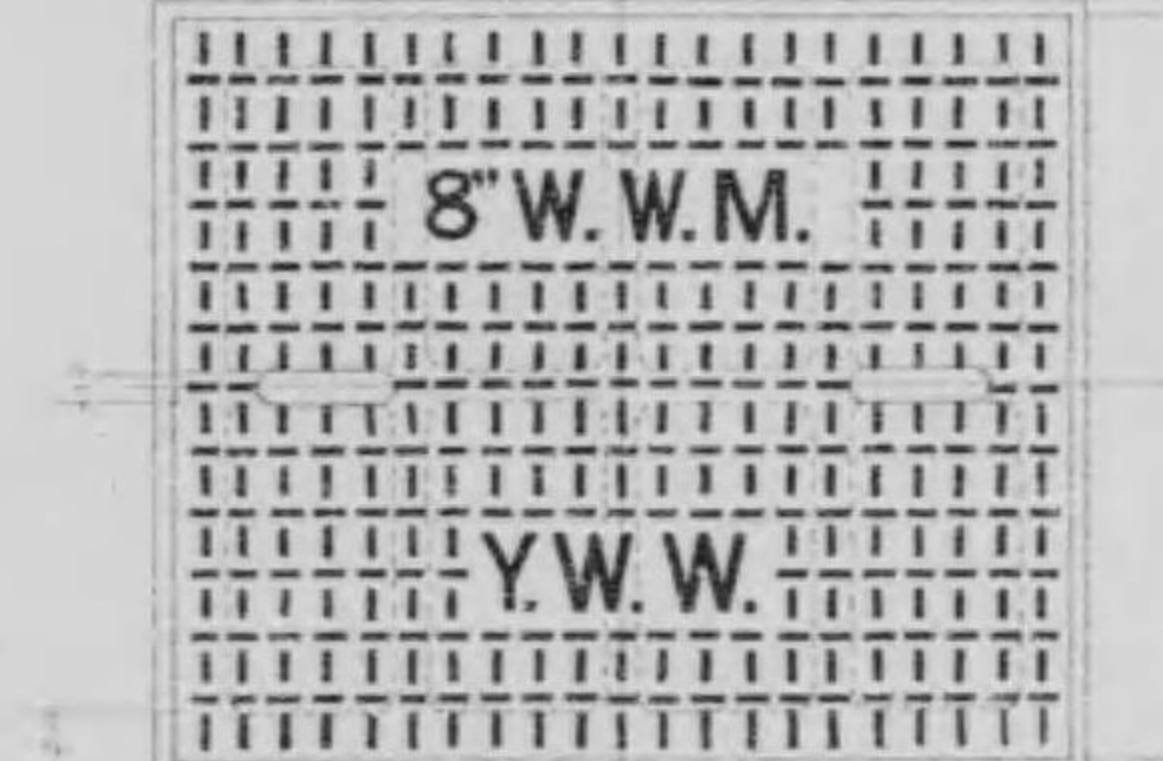
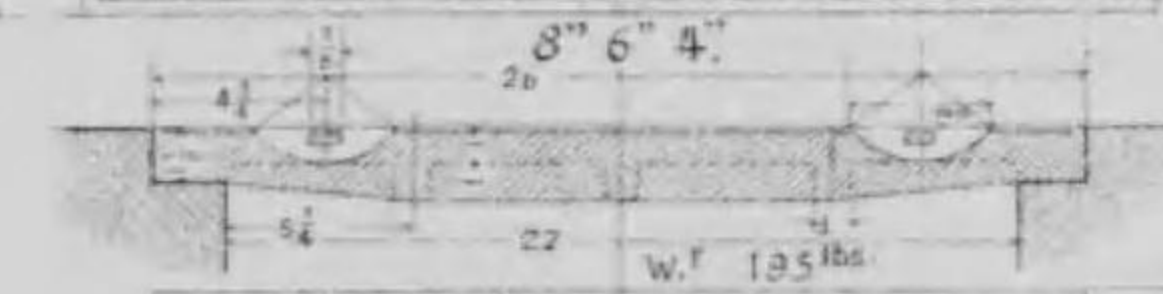
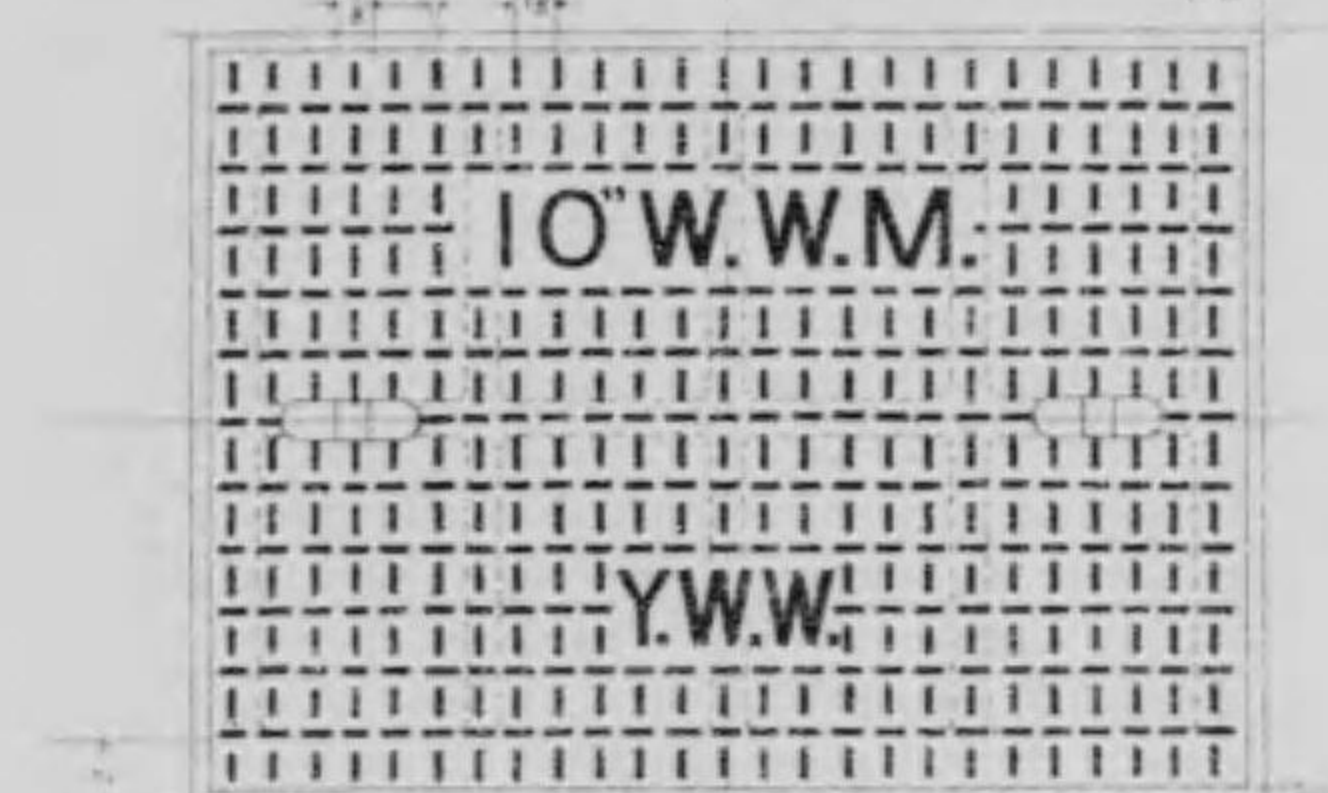
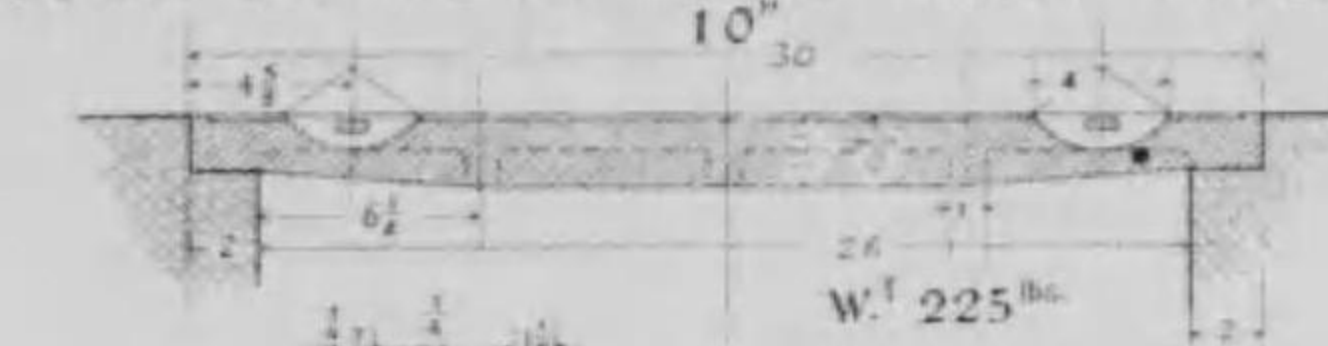
Surface Box
for
Single Fire Hydrant.



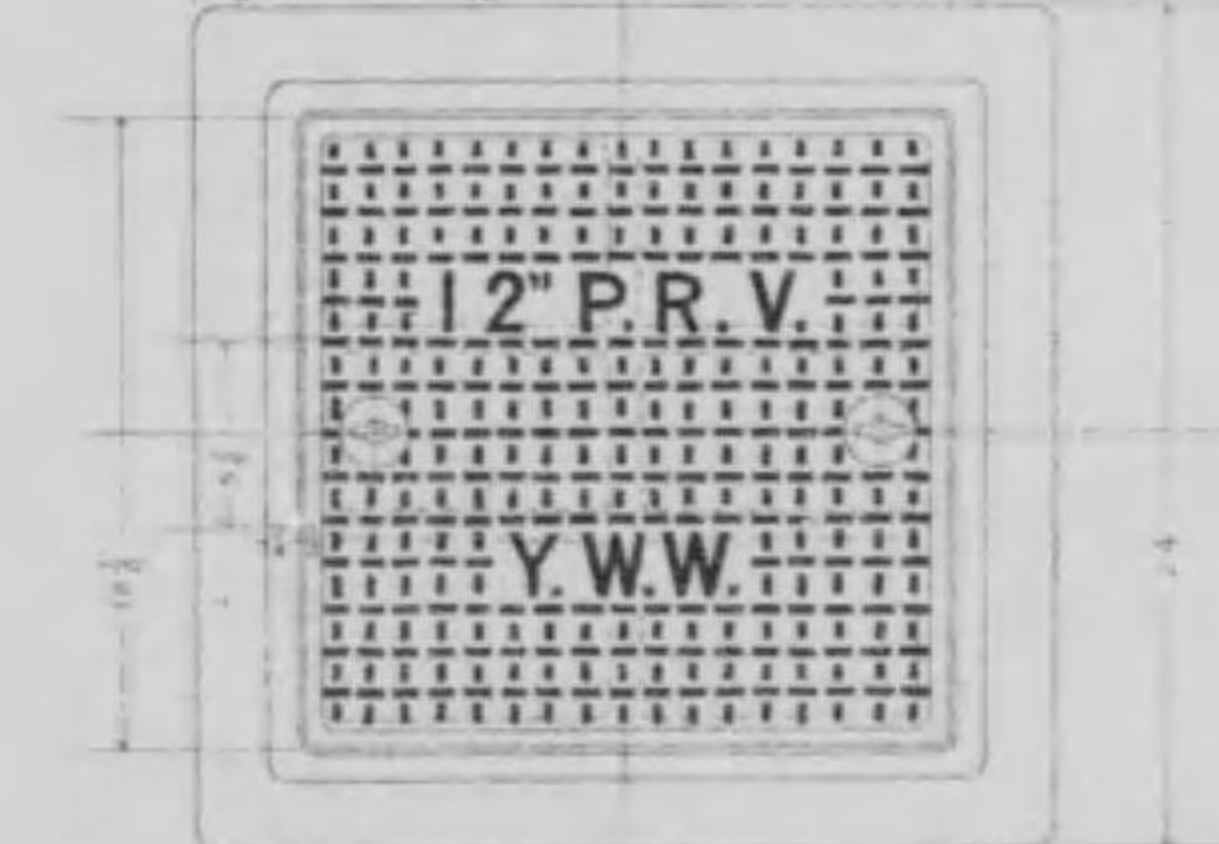
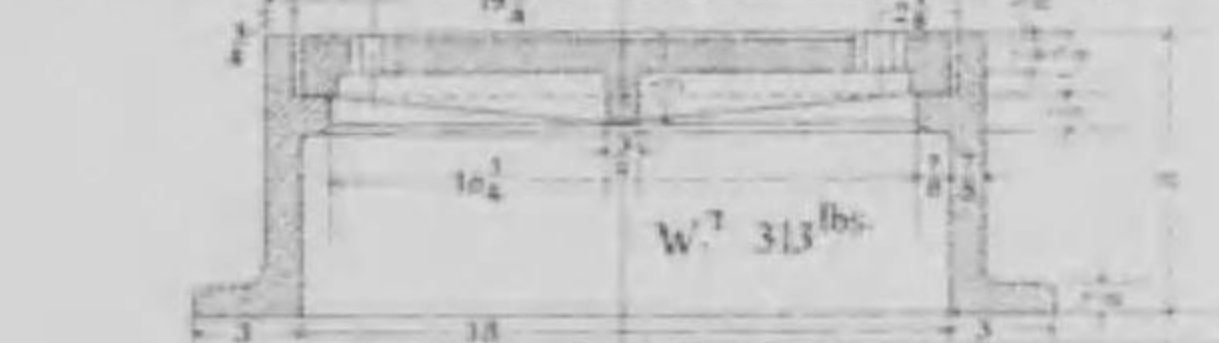
Surface Box
for
Double Fire Hydrant.



Surface Boxes for Waste Water Meter



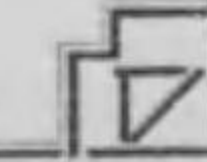
Surface Box for Pressure Reducing Valve.



Scale 1 in = One foot.

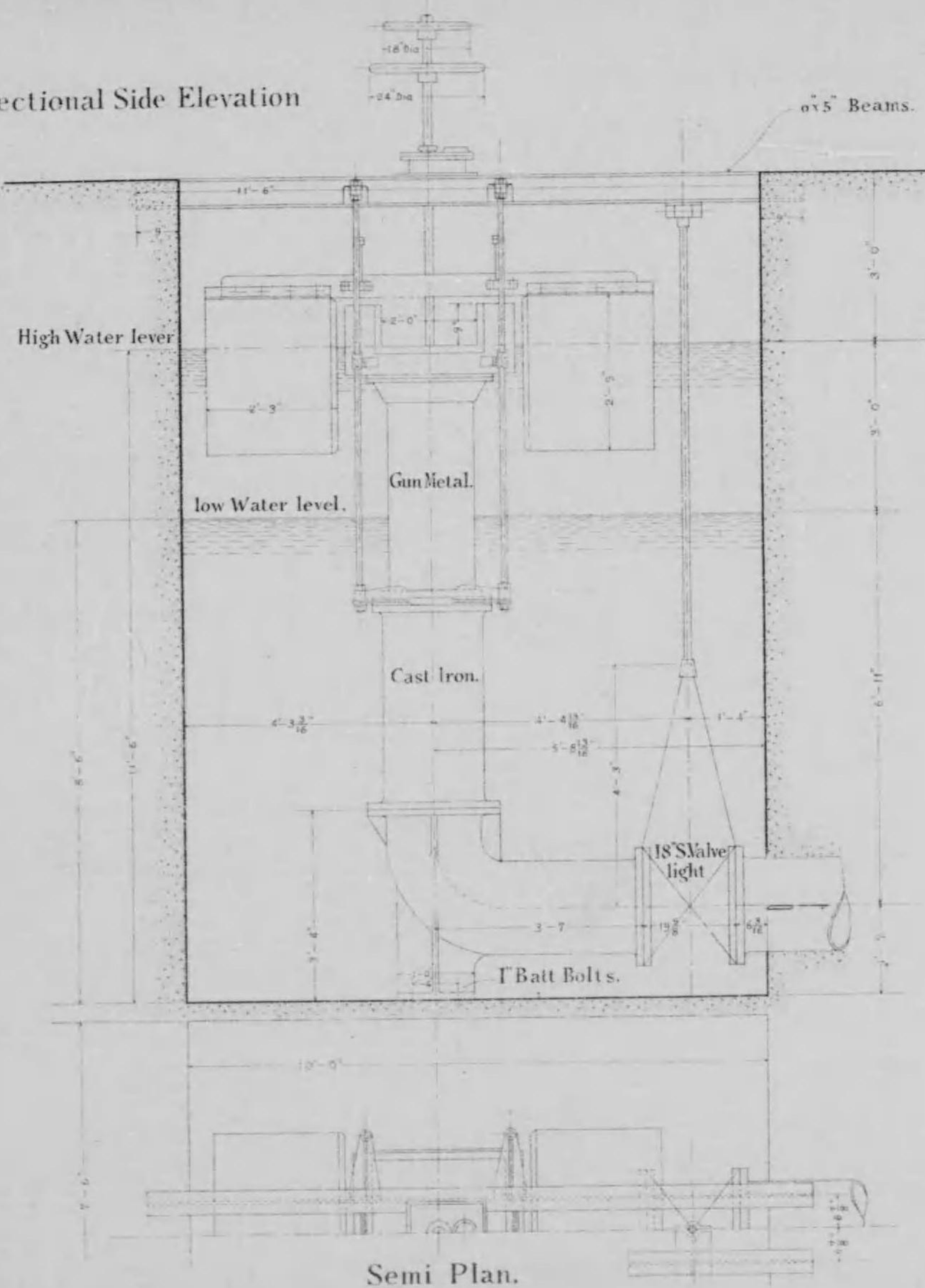


第百三拾壹號

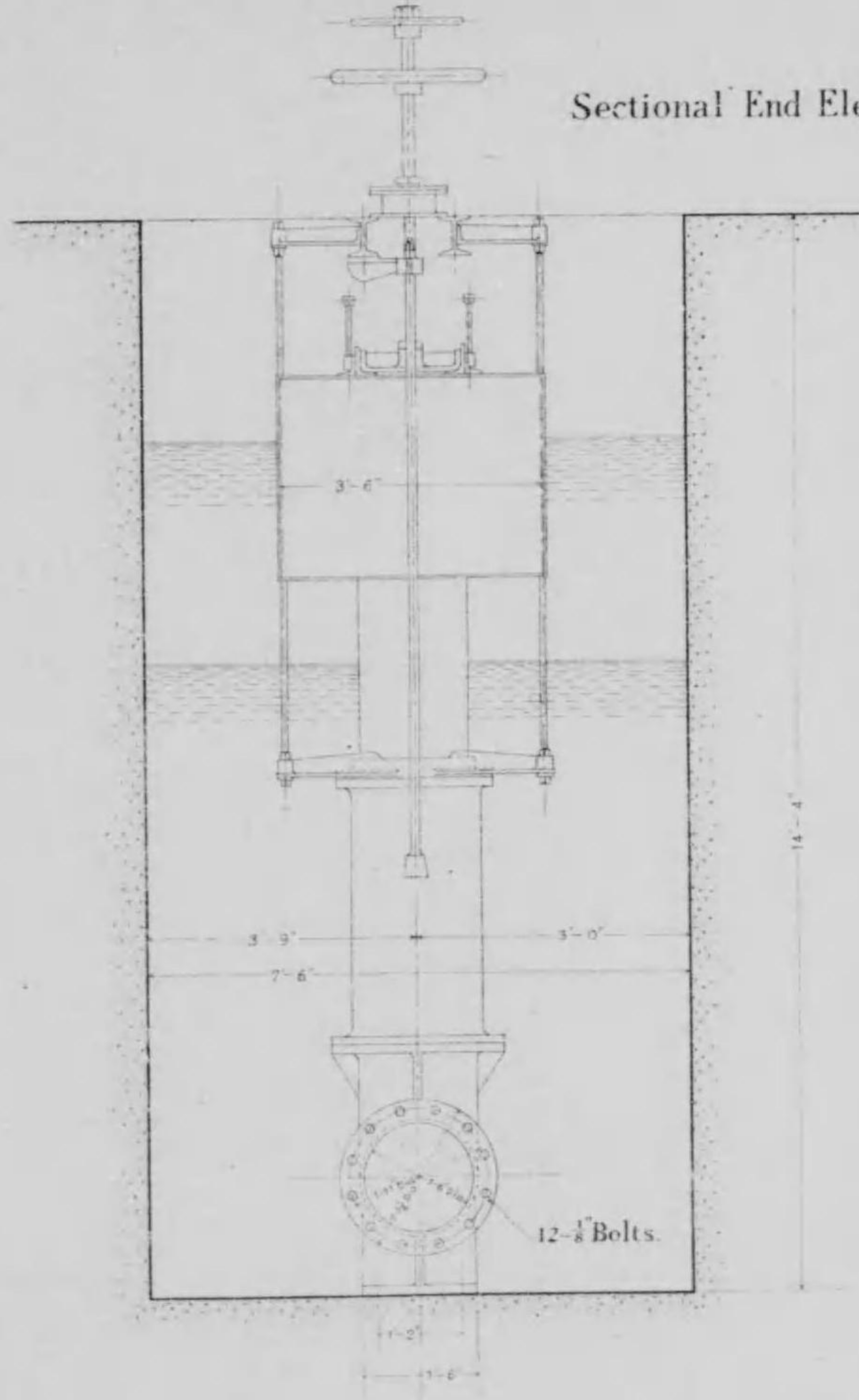


第百三拾貳號

Sectional Side Elevation



Sectional End Elevation



Glenfield-Jones Filter Outlet Regulator.

Scale $\frac{3}{8}$ in. One foot.

Semi Plan.

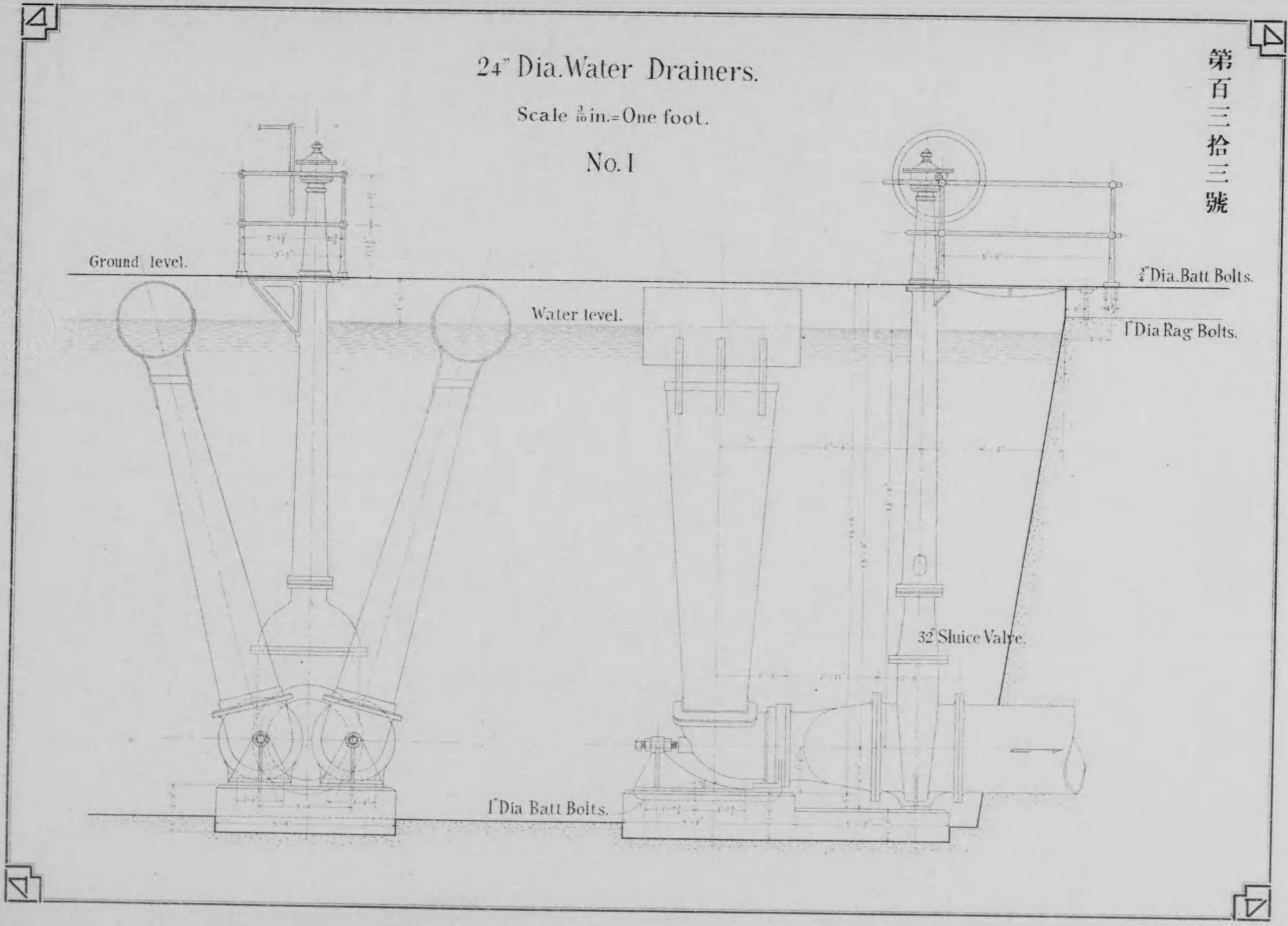


24" Dia. Water Drainers.

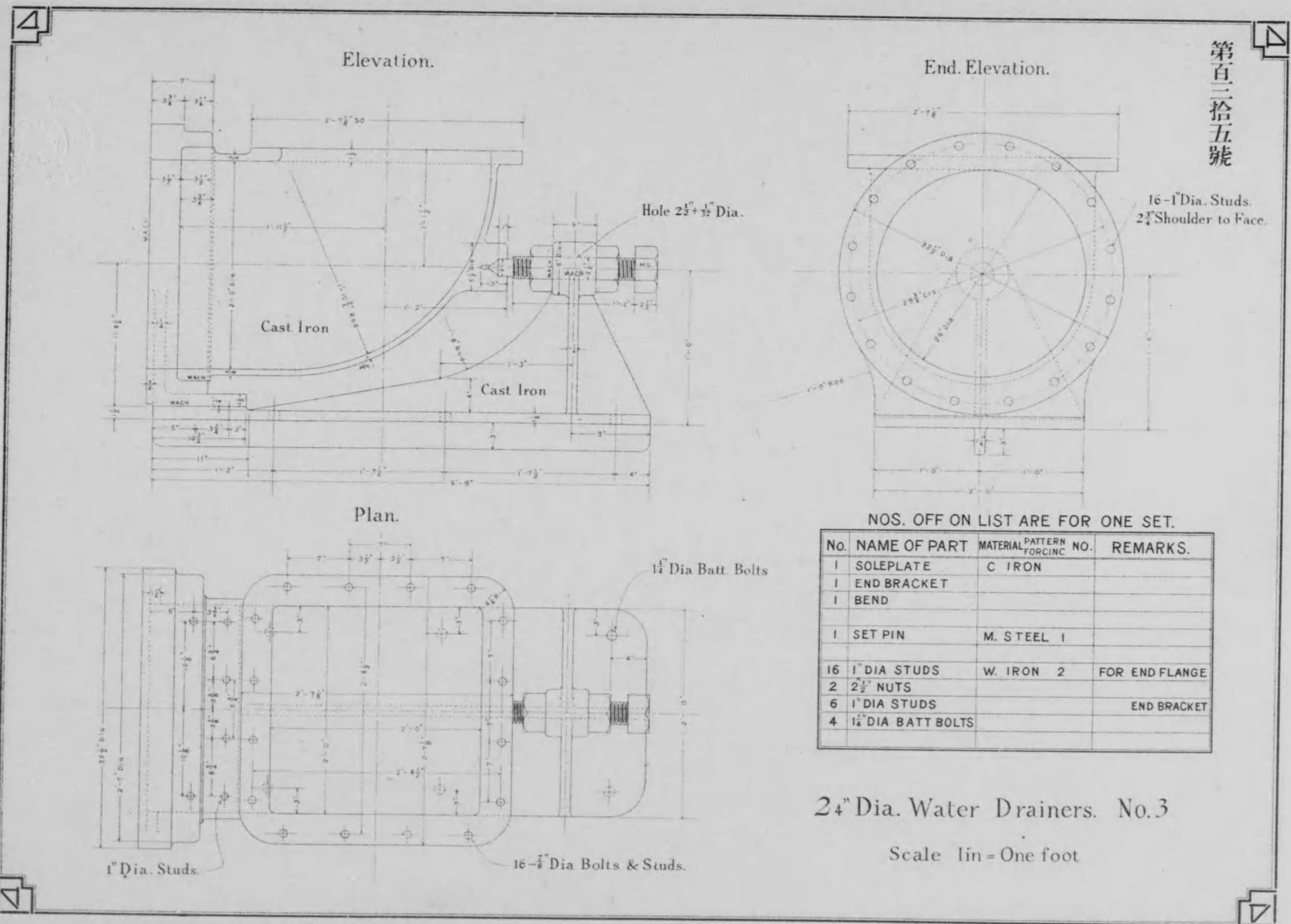
Scale $\frac{3}{16}$ in. = One foot.

No. 1

第百三拾三號



第百三拾五號



NOS. OFF ON LIST ARE FOR ONE SET.

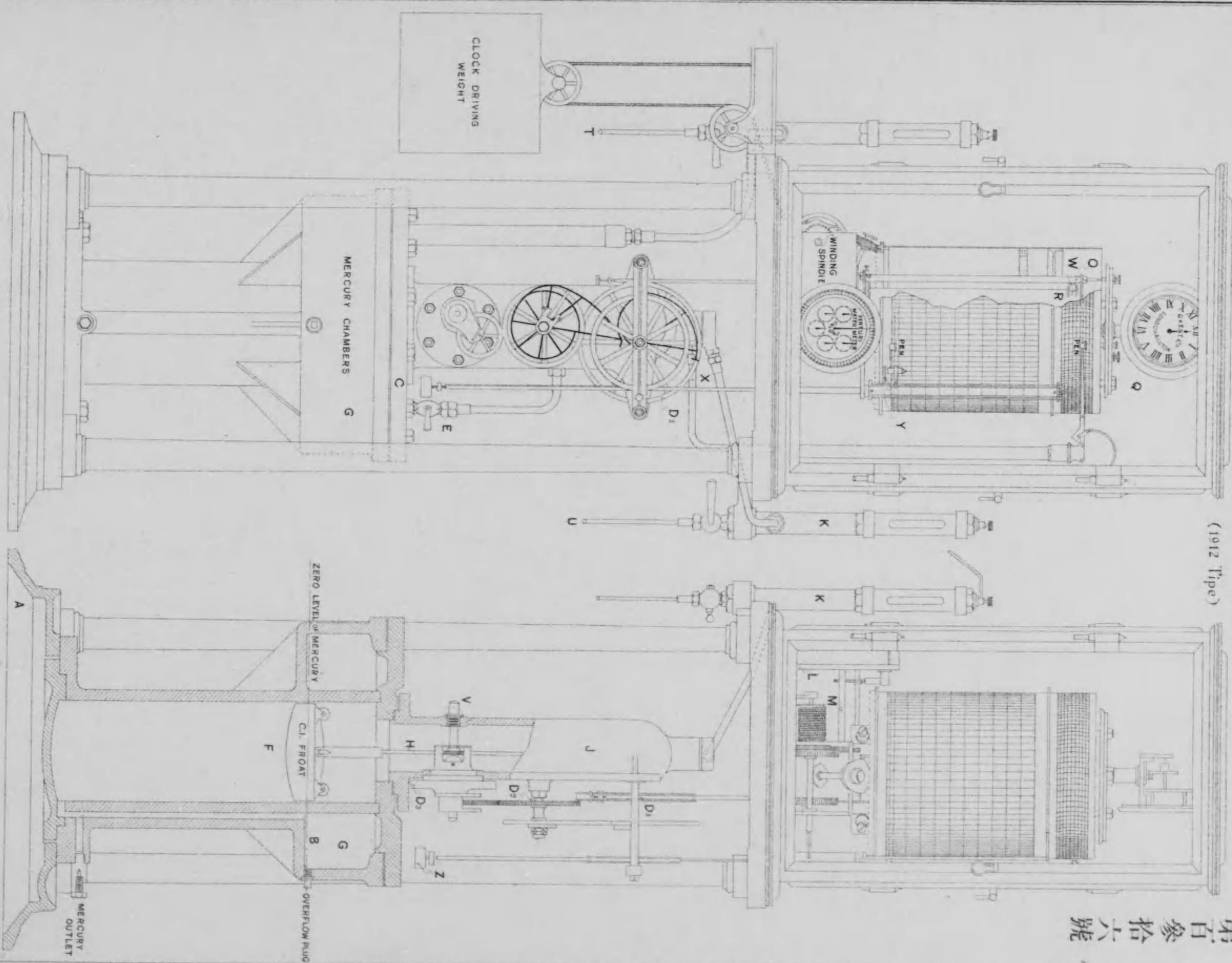
No.	NAME OF PART	MATERIAL	PATTERN NO.	REMARKS.
1	SOLEPLATE	C IRON		
1	END BRACKET			
1	BEND			
1	SET PIN	M. STEEL	1	
16	1" DIA STUDS	W. IRON	2	FOR END FLANGE
2	2 1/2" NUTS			
6	1" DIA STUDS			END BRACKET
4	1 1/4" DIA BATT BOLTS			

24" Dia. Water Drainers. No. 3

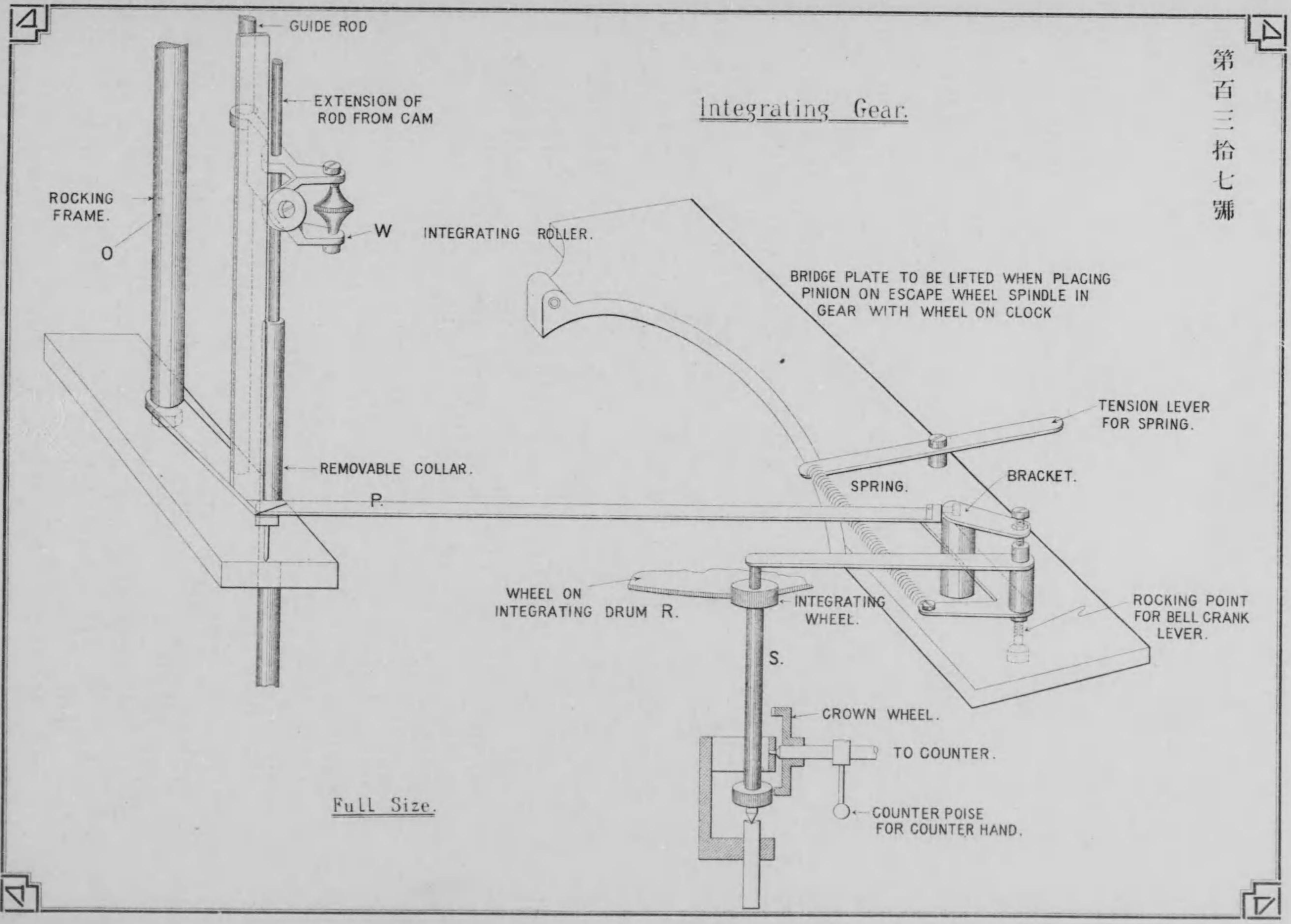
Scale 1 in = One foot

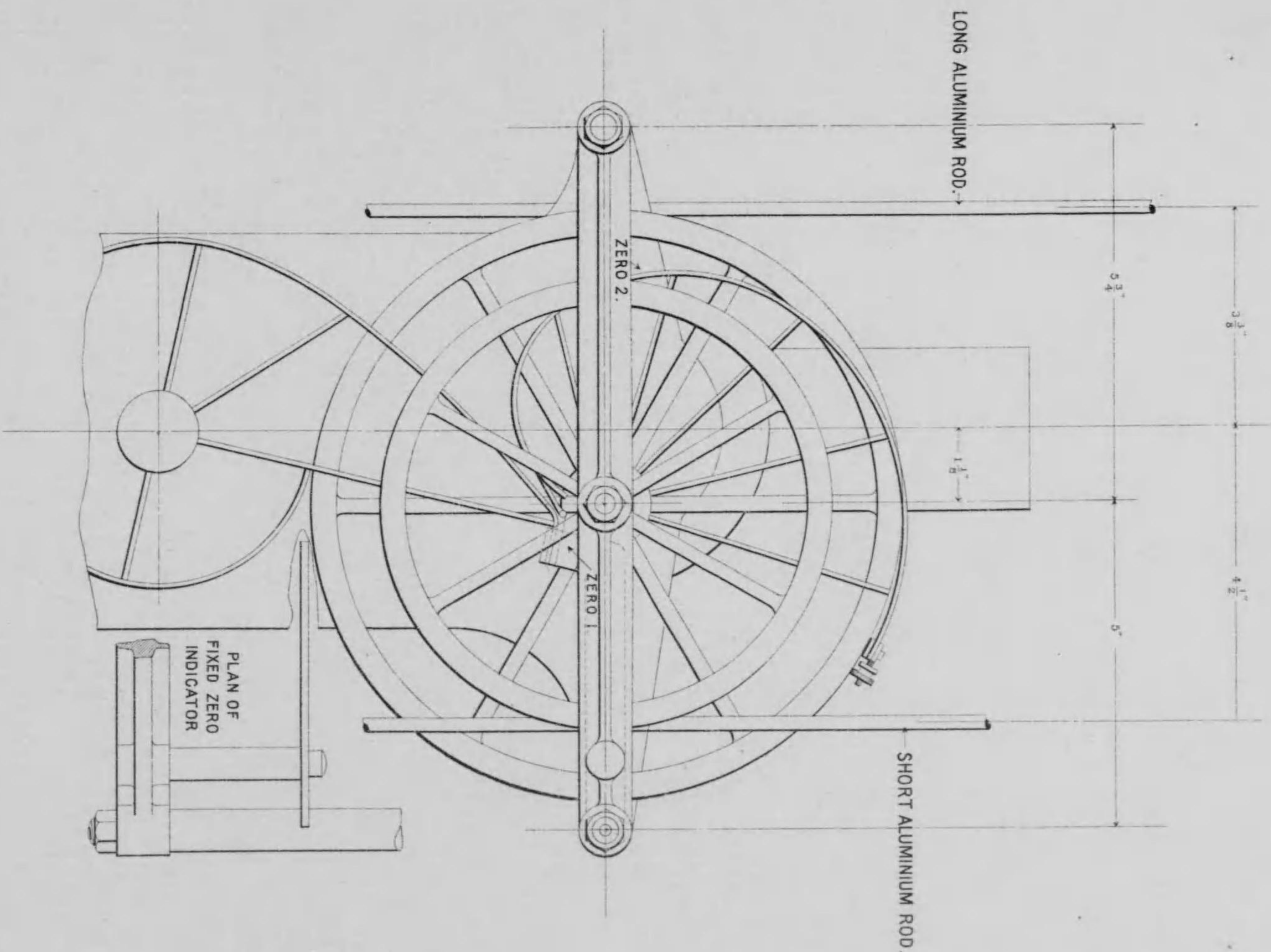
Venturi Water Meter
Combined Diagram and Counter Recorder

(1912 Type)



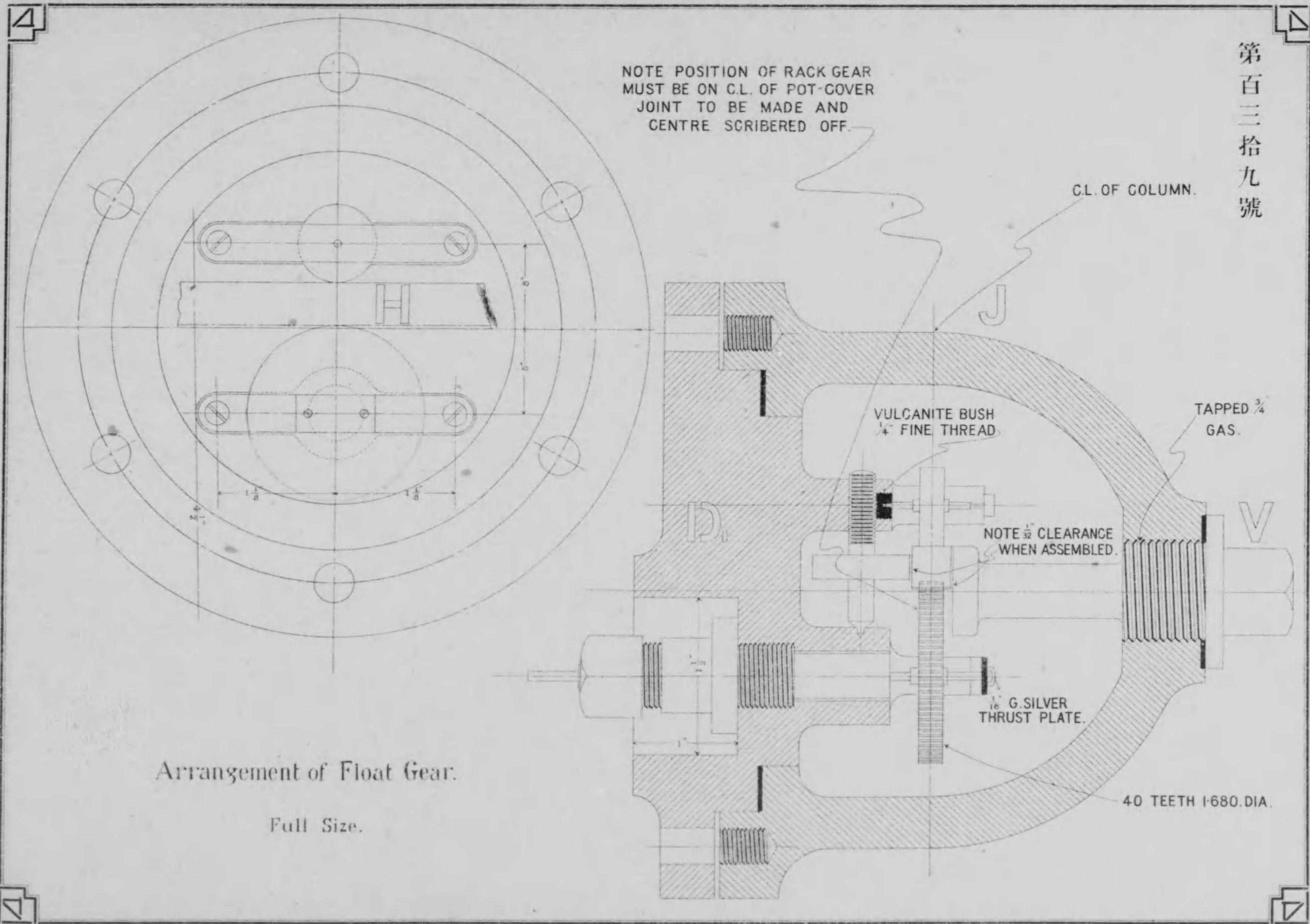
Scale 1 1/2 in - One Foot.





Arrangement of Cam Gear.
Half Size.

NOTE POSITION OF RACK GEAR
MUST BE ON C.L. OF POT-COVER
JOINT TO BE MADE AND
CENTRE SCRIBERED OFF.



Arrangement of Float Gear.
Full Size.

C.L. OF COLUMN.

VULCANITE BUSH
 $\frac{1}{4}$ " FINE THREAD.

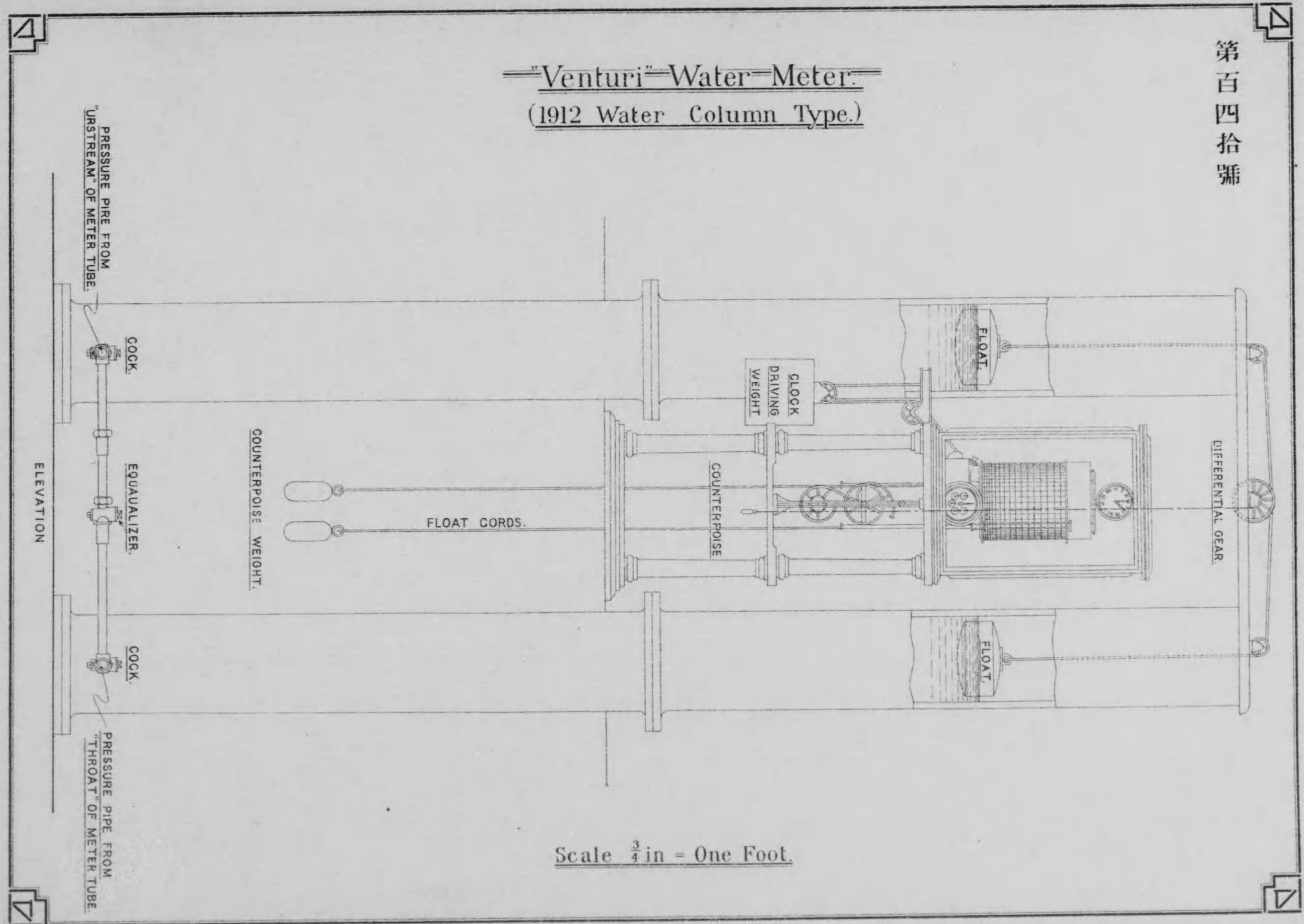
TAPPED $\frac{3}{4}$ "
GAS.

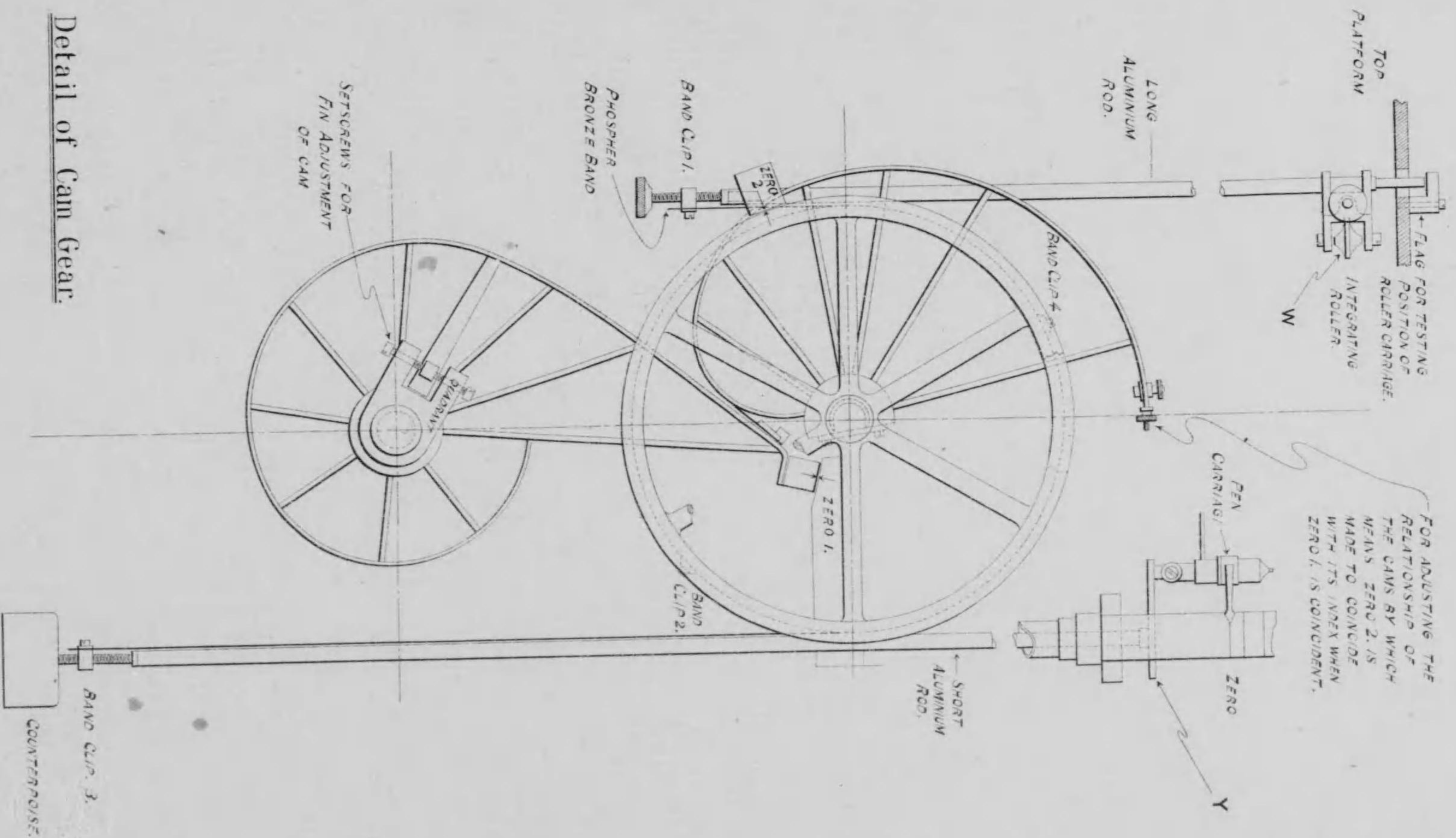
NOTE $\frac{1}{32}$ " CLEARANCE
WHEN ASSEMBLED.

$\frac{1}{16}$ " G. SILVER
THRUST PLATE.

40 TEETH 1-680. DIA.

"Venturi" Water Meter.
(1912 Water Column Type.)

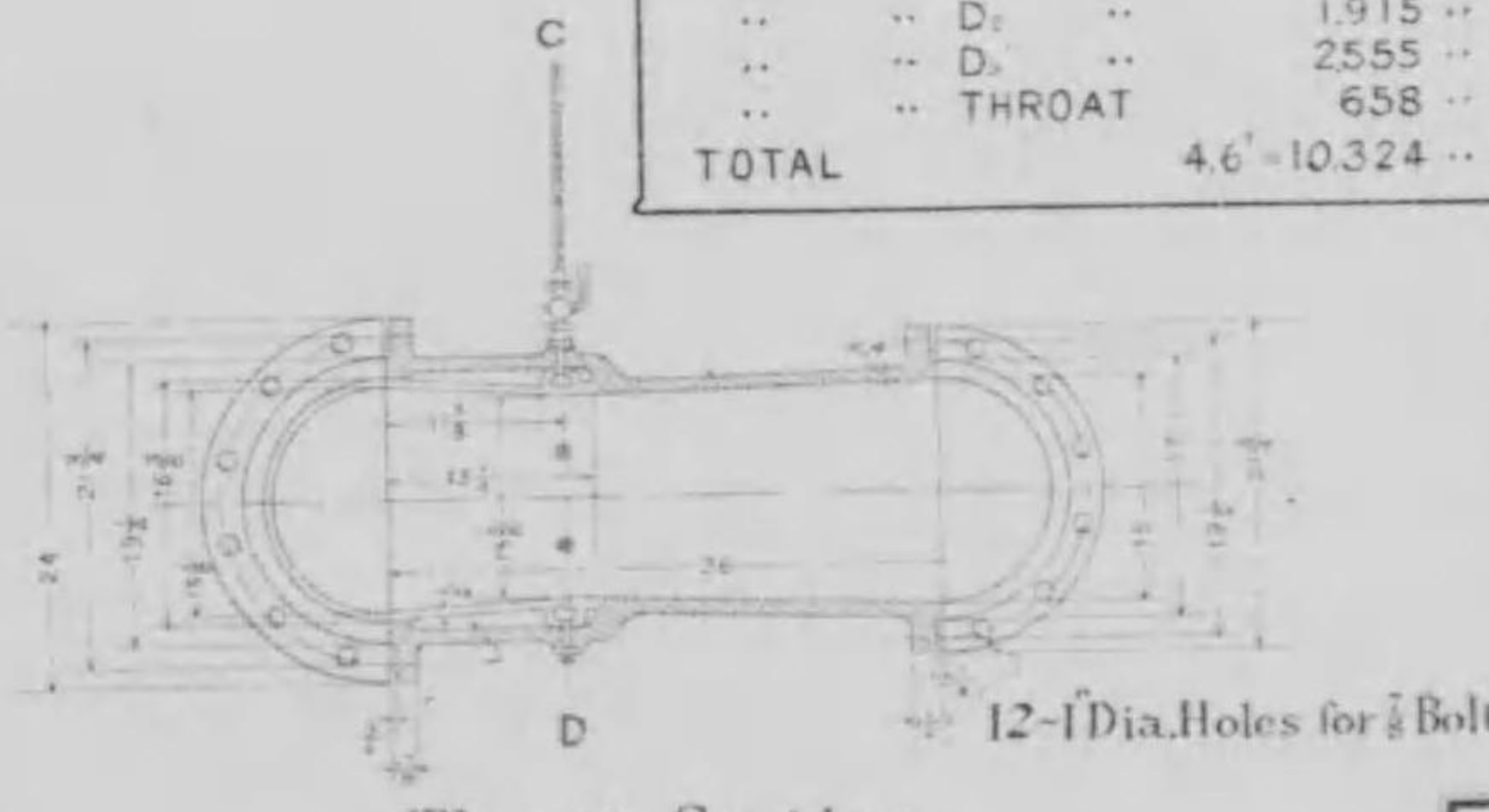
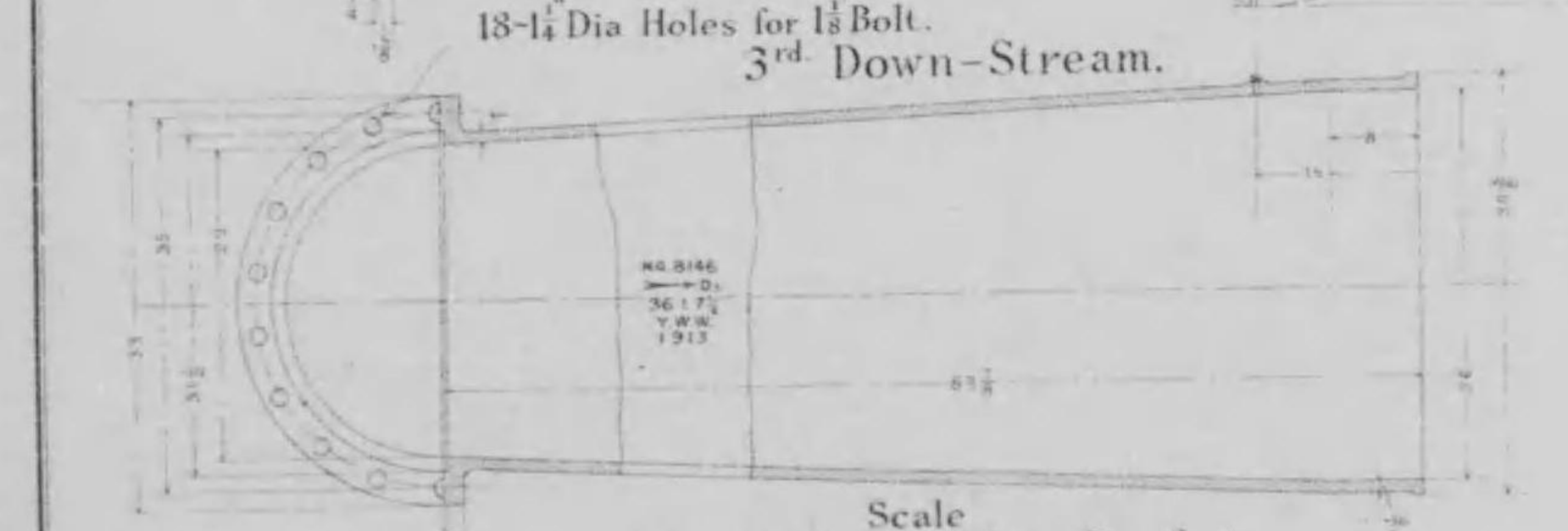
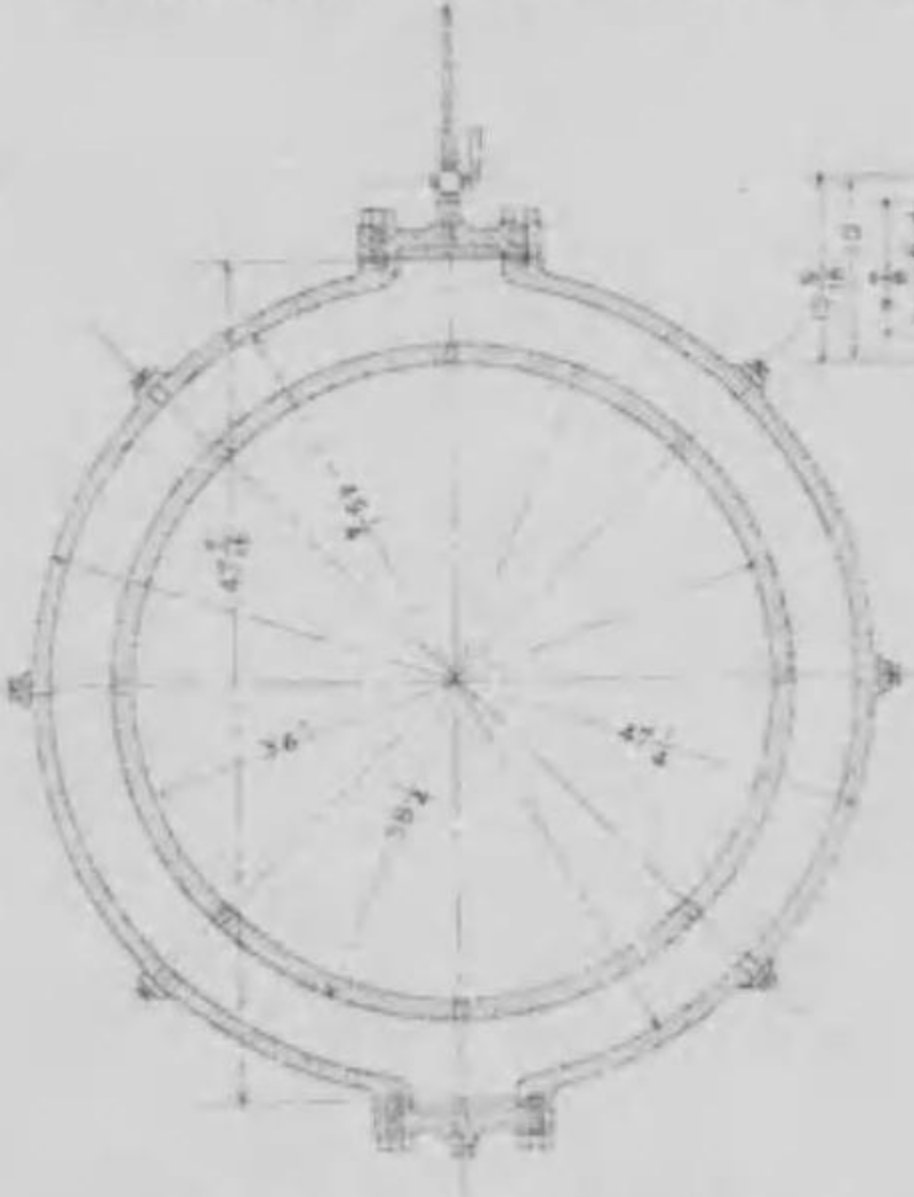
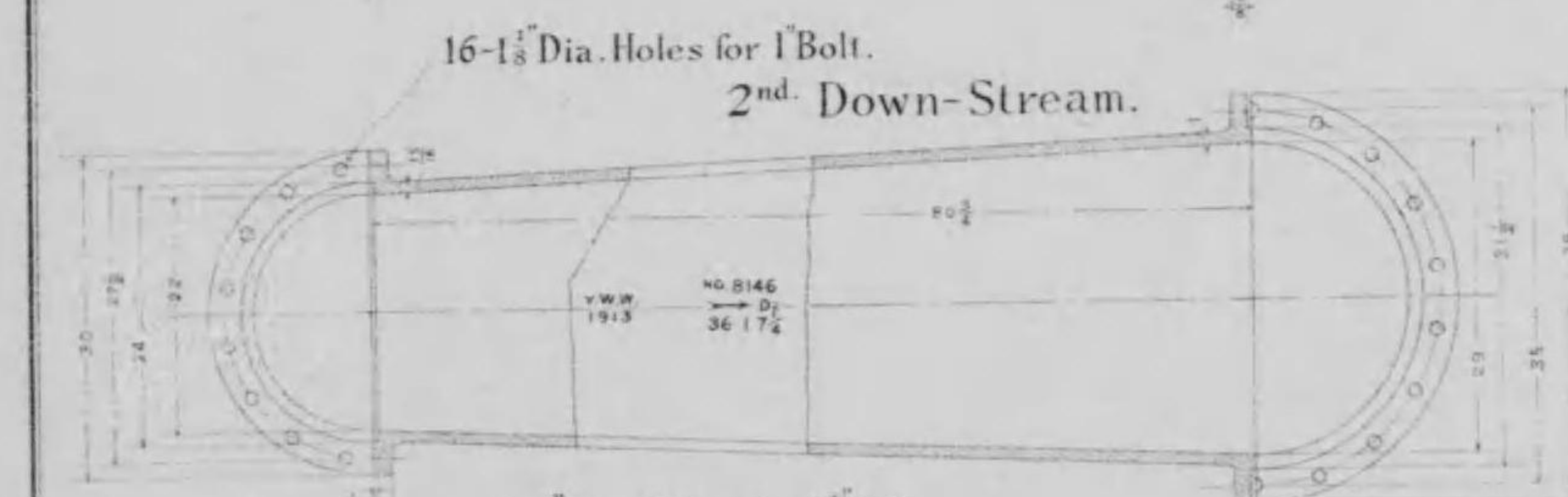
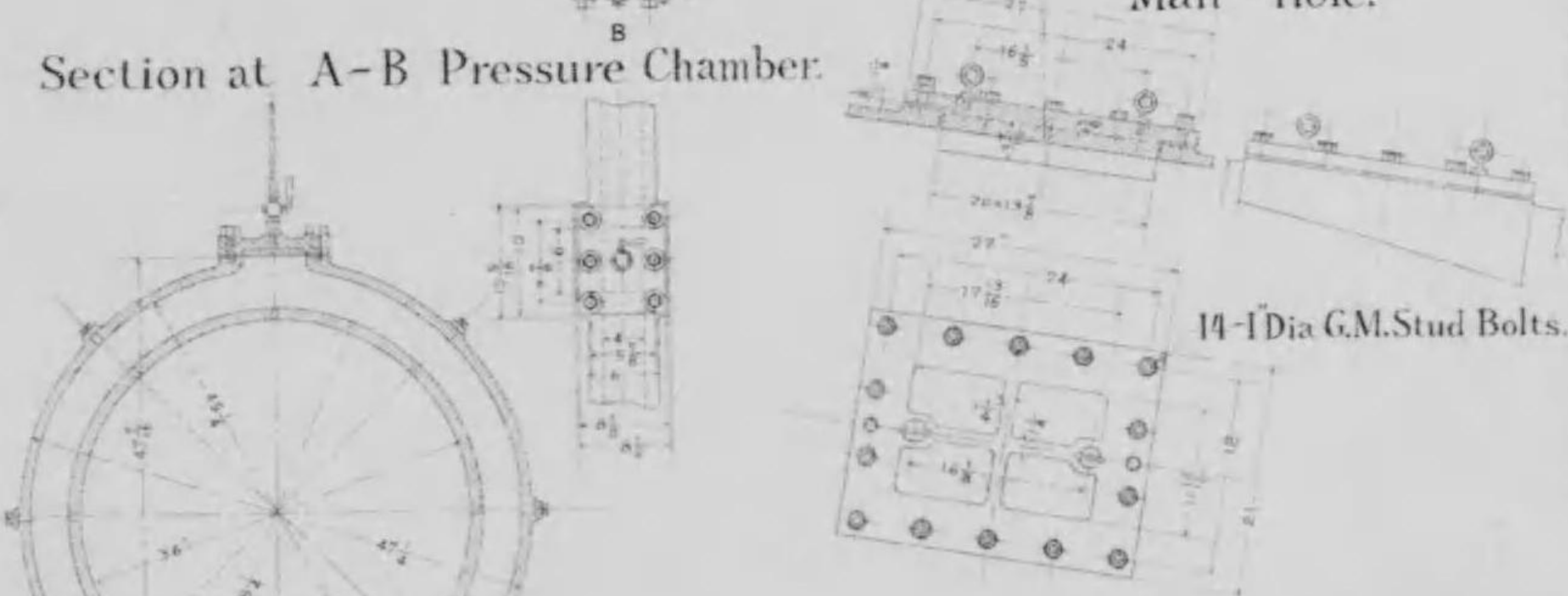
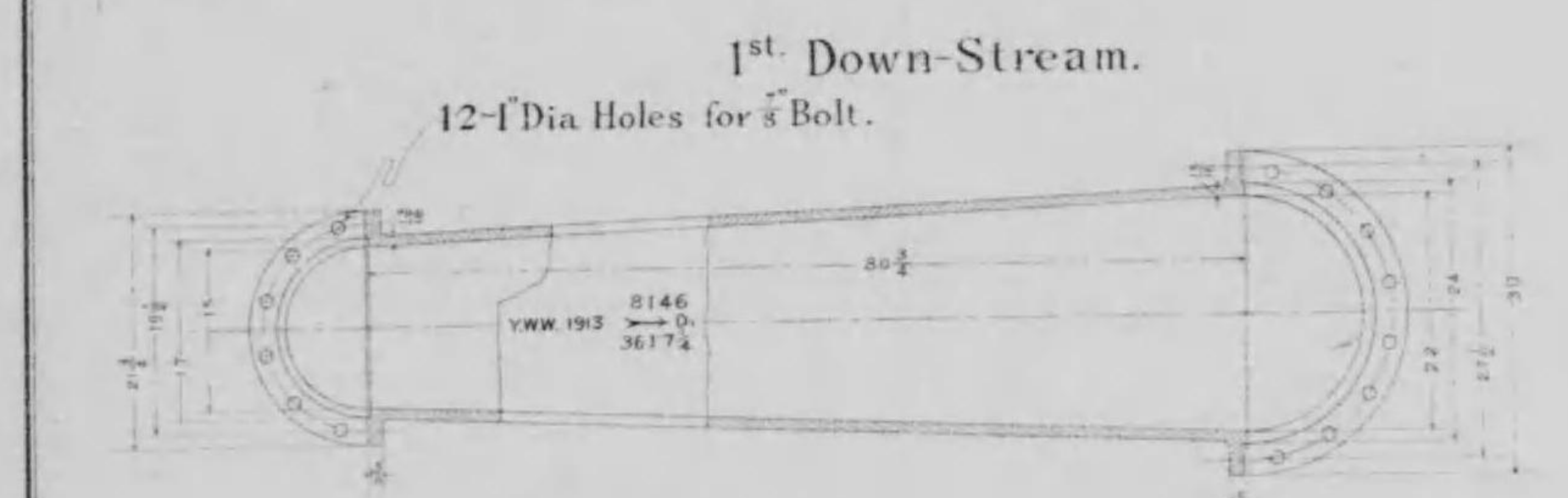
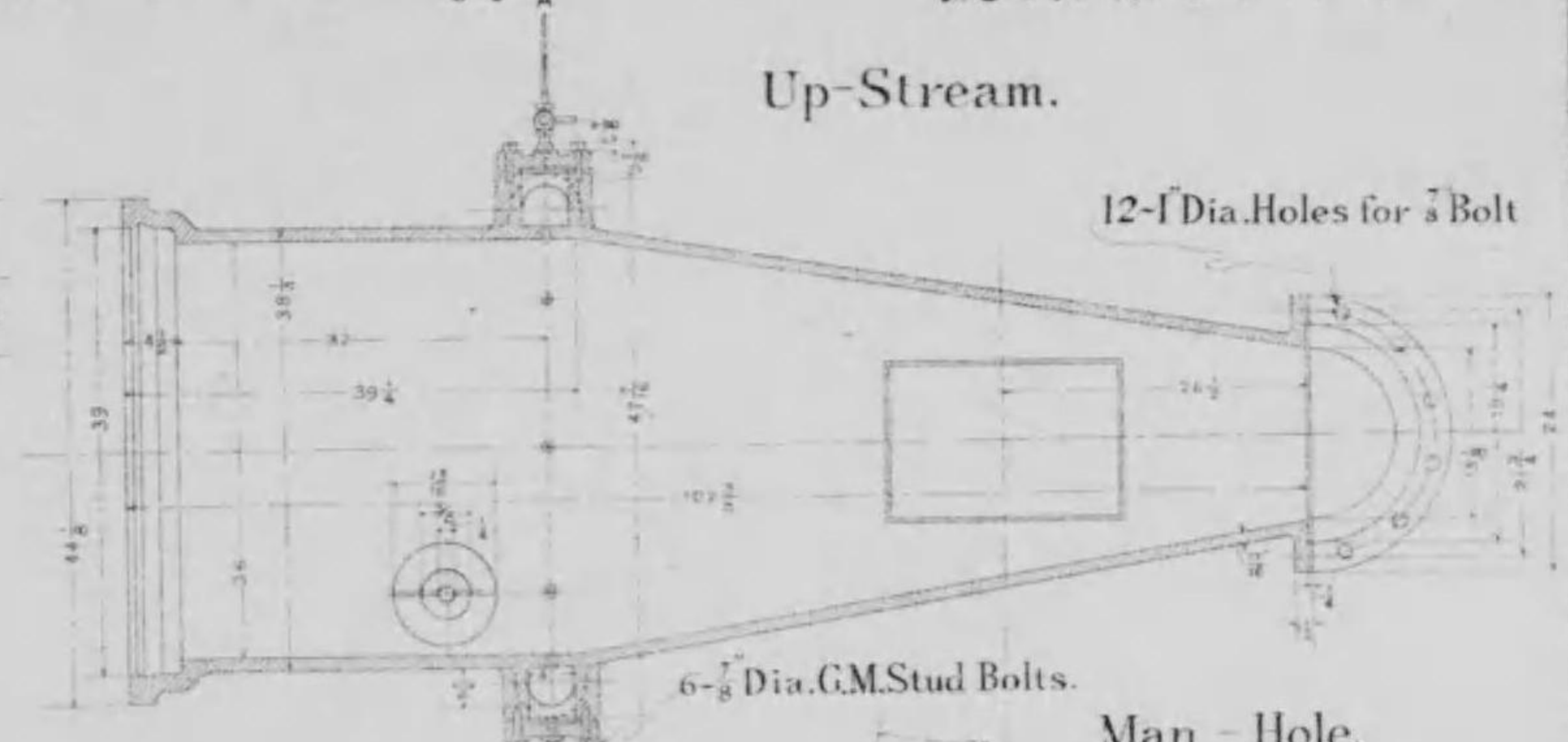
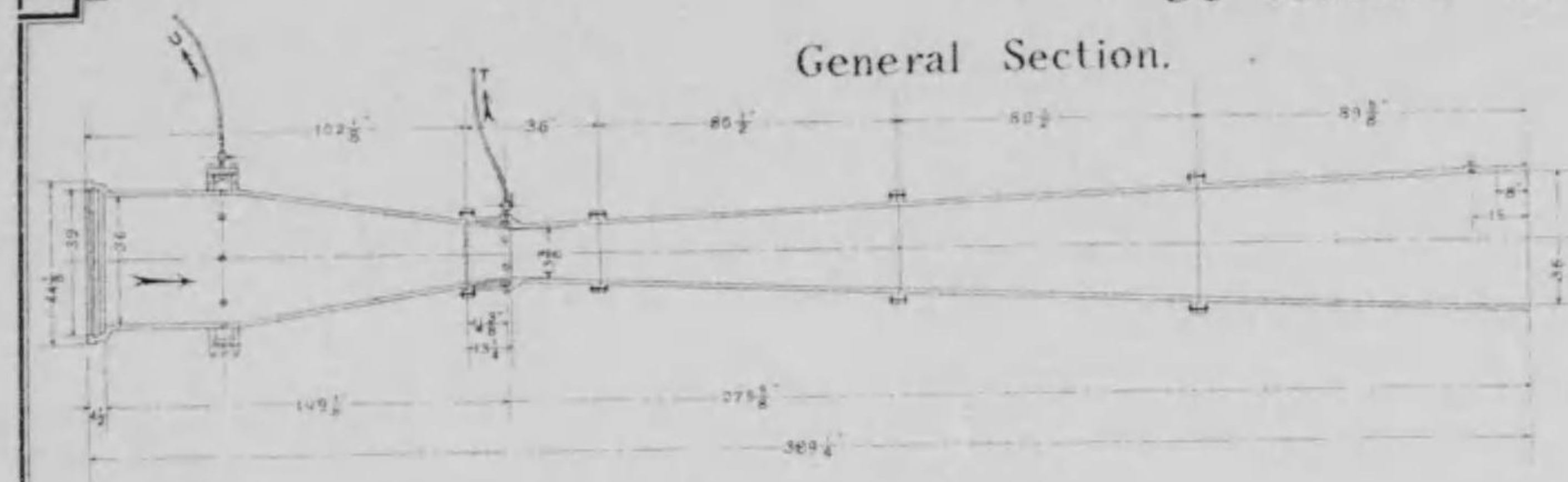




Detail of Cam Gear.

36" Venturi Meter Tube. (1912 Type)

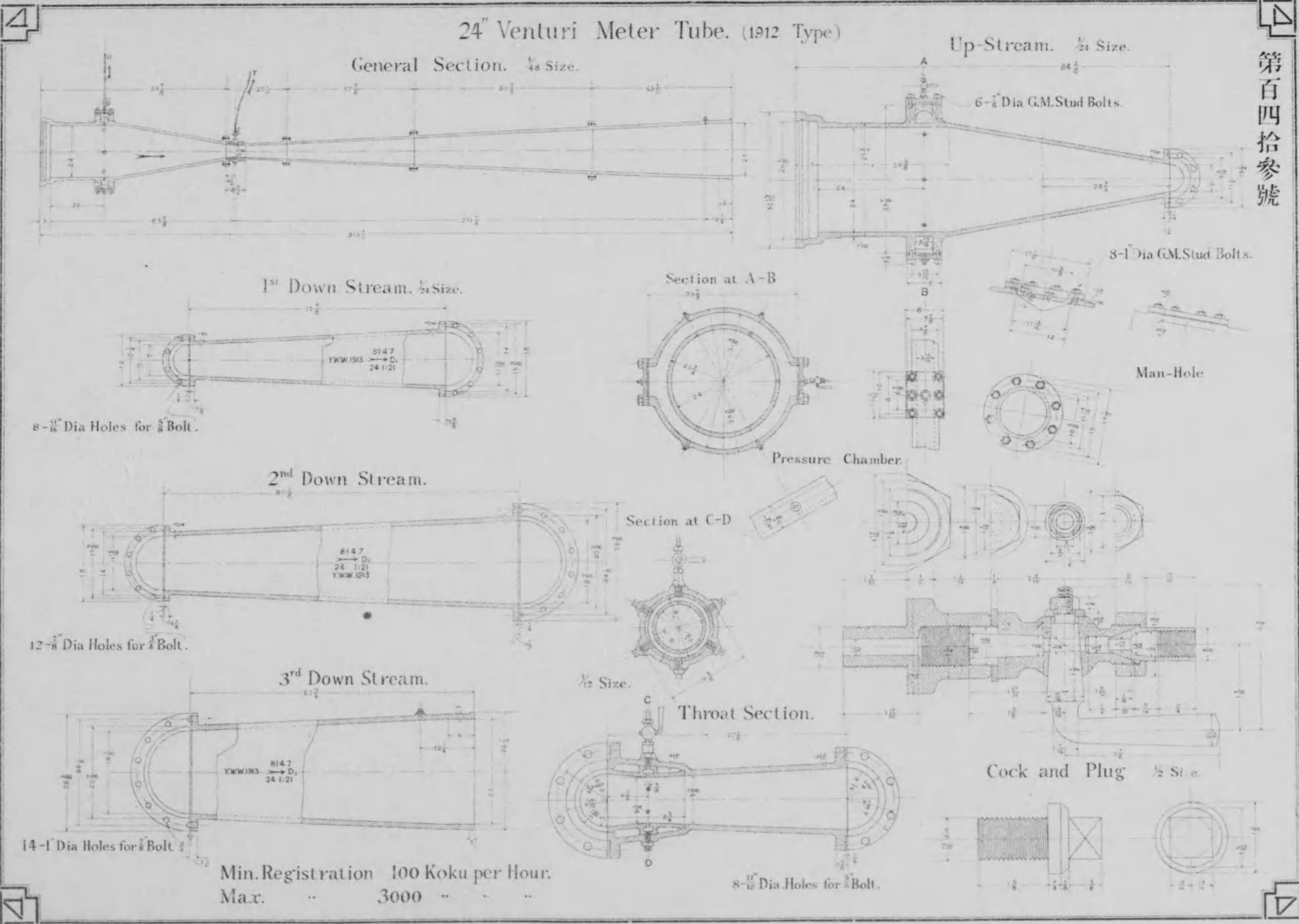
號貳拾四百第



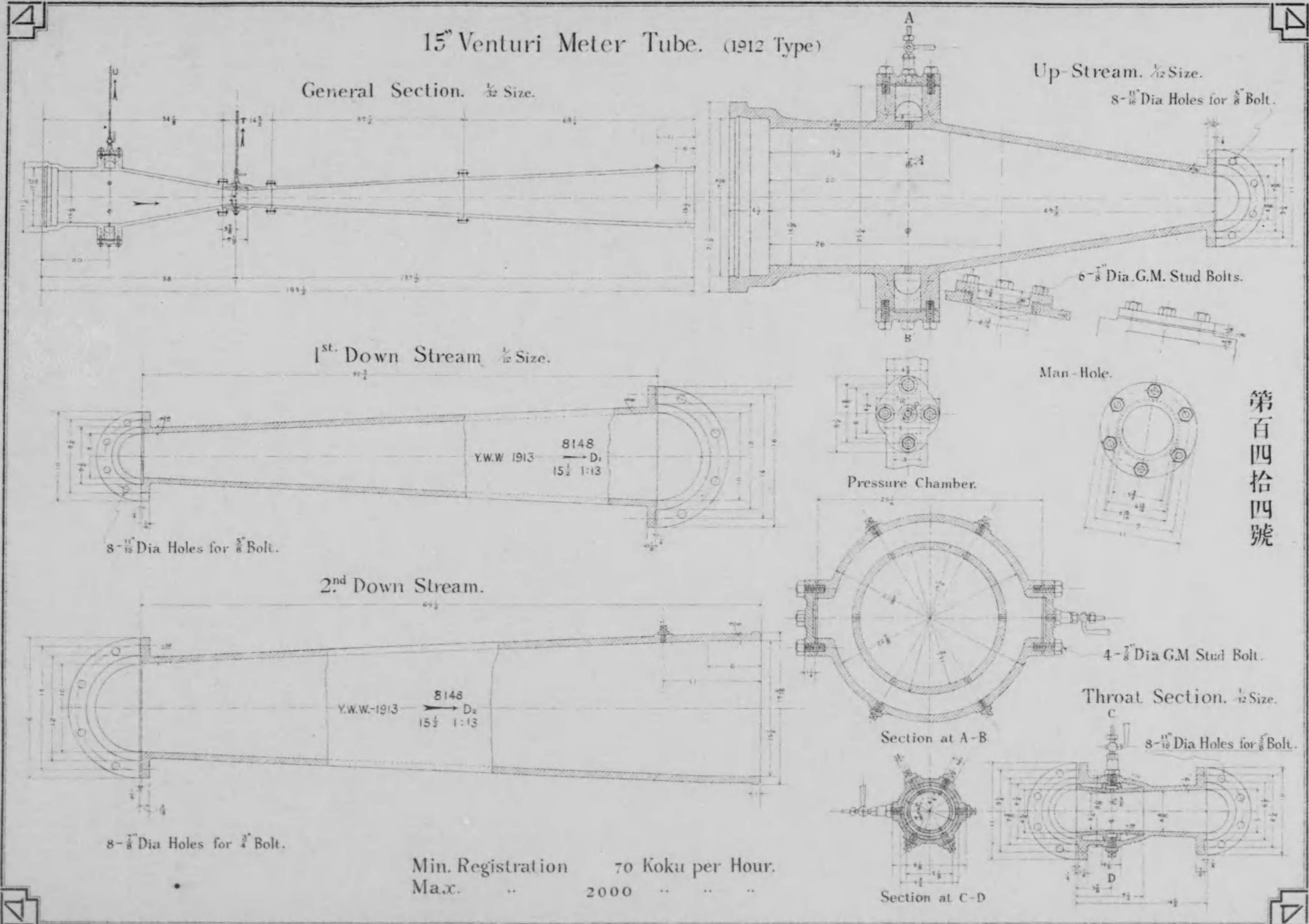
MIN. REGISTRATION	700 KOKU PER HOUR
MAX.	20000
WEIGHT OF UP STREAM	3.855 LBS
.. .. D ₁	1.341 ..
.. .. D ₂	1.915 ..
.. .. D ₃	2.555 ..
.. .. THROAT	658 ..
TOTAL	4.6' = 10.324 ..

Scale
 General Section 1/2 in = One foot.
 Detailed 1 1/2 in =

24" Venturi Meter Tube. (1912 Type)

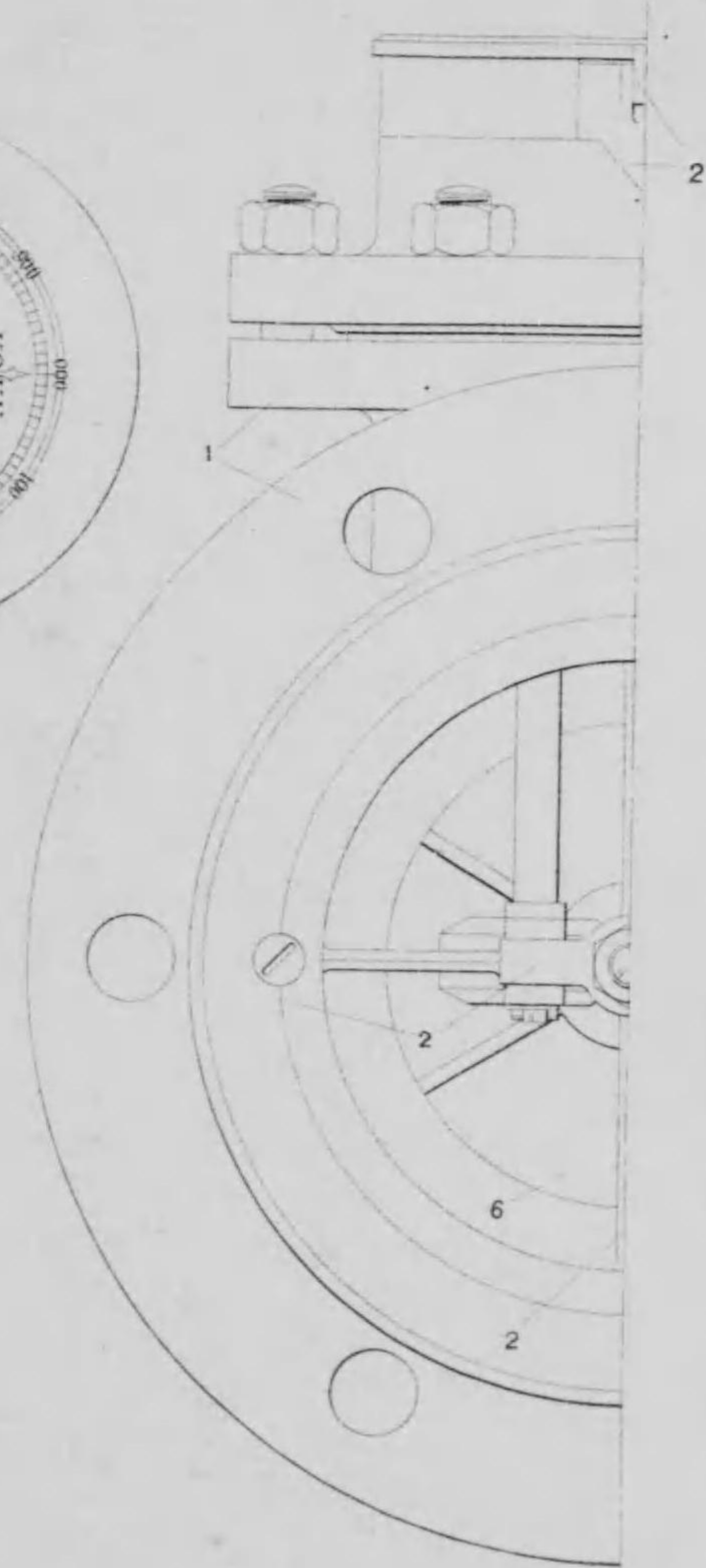
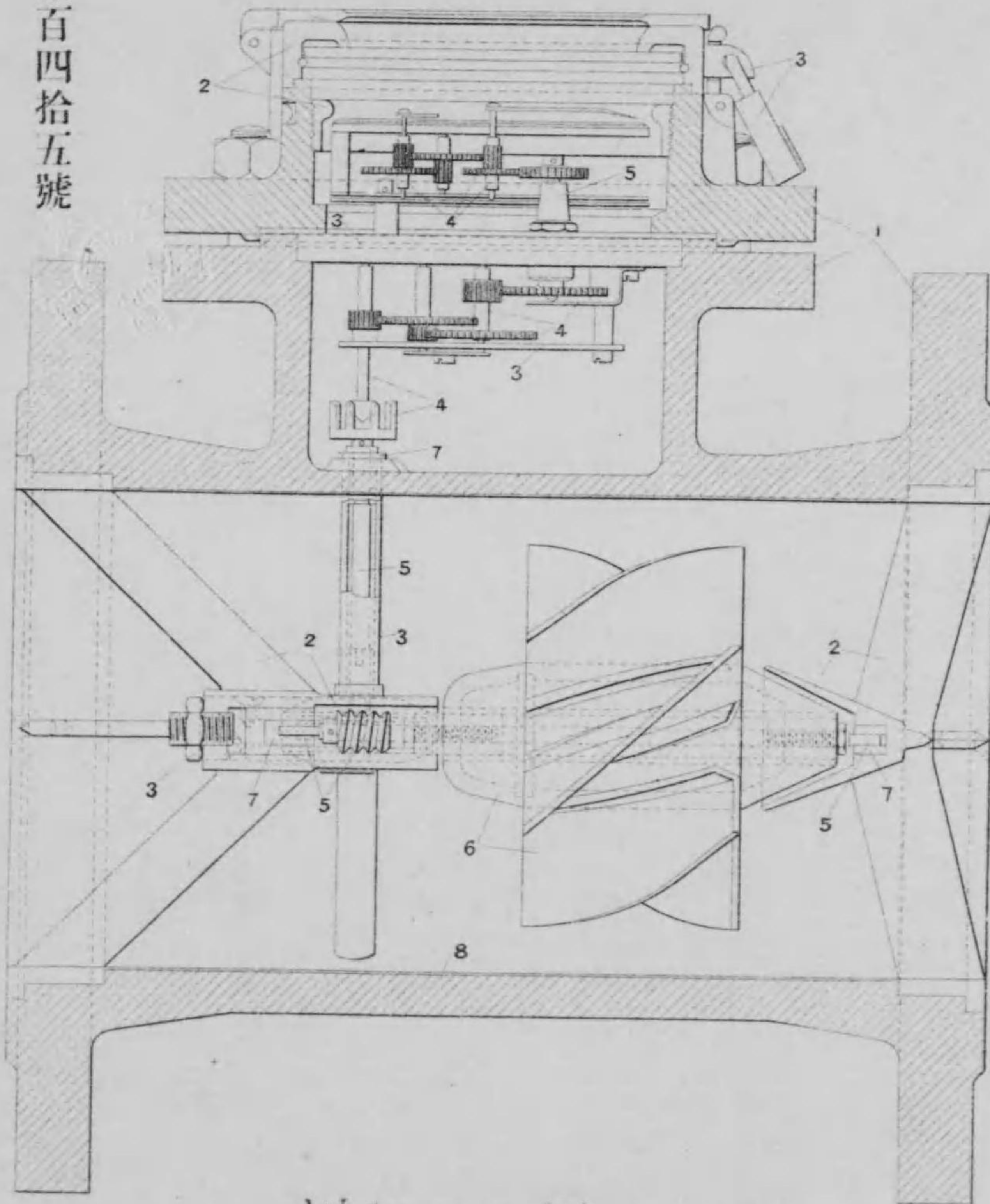


15" Venturi Meter Tube. (1912 Type)



第百四拾四號

第百四拾五號



- 1 CAST IRON.
- 2 GUN METAL.
- 3 BRASS.
- 4 SPECIAL BRONZE.
- 5 PHOSPHOR BRONZE.
- 6 CELLULOID.
- 7 GRAPHITE EBONITE.
- 8 ENAMEL.

Woltmann-Wassermesser.

大正九年二月一日印刷
大正九年二月五日發行

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印刷人 柴田 繁十郎
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東京田邊村

甲 陸 六 榮 田 愛 十 房

發 行 所 總 館 市 野 澤

大 正 五 年 二 月 五 日 發 行

大 正 五 年 二 月 一 日 創 刊

終