

WEIGHT OF METALS.

PATENT IMPROVED LEAD PIPE.—*Sizes and Weight per Foot.*

Calibre.	Weight per foot.	Calibre.	Weight per foot.	Calibre.	Weight per foot.	Calibre.	Weight per foot.	Calibre.	Weight per foot.
Inches.	lbs. ozs.	Inches.	lbs. ozs.	Inches.	lbs. ozs.	Inches.	lbs. ozs.	Inches.	lbs. ozs.
$\frac{3}{8}$ "	6	$\frac{1}{2}$ "	1 4	$\frac{5}{8}$ "	1 4	1"	4 0	$1\frac{1}{8}$ "	5 0
"	8	"	1 8	"	2 0	"	6 0	$1\frac{3}{8}$ "	4 0
"	10	"	2 0	"	2 4	$1\frac{1}{4}$ "	2 8	2"	5 0
"	12	"	3 0	"	2 8	"	3 0	"	6 0
"	1 0	$\frac{3}{4}$ "	13	"	3 0	"	3 8	"	7 0
"	1 8	"	1 0	"	4 0	"	4 0	$2\frac{1}{2}$ "	11 0
$\frac{1}{2}$ "	8	"	1 8	1"	1 8	"	5 0	3"	13 0
"	10	"	2 0	"	1 12	$1\frac{1}{2}$ "	3 0	$3\frac{1}{2}$ "	15 0
"	12	"	2 12	"	2 0	"	3 8	4"	18 0
"	14	$\frac{7}{8}$ "	2 12	"	2 8	"	4 0	$4\frac{1}{2}$ "	20 0
"	1 0	"	14	"	3 0	"	4 8	5"	22 0

} 4 in. thick.

SHEET LEAD.—Weight of a Square Foot, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, 6, 7, $8\frac{1}{2}$, 9, 10 lbs., and upwards.

BRASS, COPPER, STEEL, AND LEAD.—*Weight of a Foot.*

Diameter and Side of Square.	BRASS.		COPPER.		STEEL.		LEAD.	
	Weight of Round.	Weight of Square.	Weight of Round.	Weight of Square.	Weight of Round.	Weight of Square.	Weight of Round.	Weight of Square.
Inches.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
$\frac{1}{8}$ "	.17	.22	.19	.24	.17	.21		
$\frac{1}{4}$ "	.39	.50	.42	.54	.33	.48		
$\frac{3}{8}$ "	.70	.90	.75	.96	.67	.85		
$\frac{1}{2}$ "	1.10	1.40	1.17	1.50	1.04	1.33		
$\frac{5}{8}$ "	1.59	2.02	1.69	2.16	1.50	1.91		
$\frac{3}{4}$ "	2.16	2.75	2.31	2.94	2.05	2.61		
1"	2.83	3.60	3.02	3.84	2.67	3.40	3 87	4.93
$1\frac{1}{8}$ "	3.58	4.56	3.82	4.86	3.38	4.34	4.90	6.25
$1\frac{1}{4}$ "	4.42	5.63	4.71	6.	4.18	5.32	6.06	7.71
$1\frac{3}{8}$ "	5.35	6.81	5.71	7.27	5.06	6.44	7.33	9.33
$1\frac{1}{2}$ "	6.36	8.10	6.79	8.65	6.02	7.67	8.72	11.11
$1\frac{3}{4}$ "	7.47	9.51	7.94	10.15	7.07	9	10.24	13.04
2"	8.66	11.03	9.21	11.77	8.20	10.14	11.87	15.12
$2\frac{1}{8}$ "	9.95	12.66	10.61	13.52	9.41	11.98	13.63	17.36
$2\frac{1}{4}$ "	11.32	14.41	12.08	15.38	10.71	13.63	15.51	19.75
$2\frac{3}{8}$ "	12.78	16.27	13.64	17.36	12.05	15.80	17.51	22.29
$2\frac{1}{2}$ "	14.32	18.24	15.29	19.47	13.51	17.20	19.63	25.
$2\frac{5}{8}$ "	15.96	20.32	17.03	21.69	15.05	19.17	21.80	27.80
$2\frac{3}{4}$ "	17.68	22.53	18.87	24.03	16.68	21.21	24.24	30.86
$2\frac{7}{8}$ "	19.50	24.83	20.81	26.50	18.39	23.41	26.72	34.02
3"	21.40	27.25	22.84	29.08	20.18	25.70	29.33	37.34
$3\frac{1}{8}$ "	23.39	29.78	24.92	31.79	22.06	28.10	32.05	40.81
$3\frac{1}{4}$ "	25.47	32.43	27.18	34.61	24.23	30.60	34.90	44.44

CAST IRON.—*Weight of a Superficial Foot from $\frac{1}{4}$ to 2 inches thick.*

Size.	Weight	Size.	Weight	Size.	Weight	Size.	Weight	Size.	Weight
Ins.	Pounds.	Ins.	Pounds.	Ins.	Pounds.	Ins.	Pounds.	Ins.	Pounds.
$\frac{1}{4}$ "	9.37	$\frac{3}{8}$ "	23.43	1"	37.50	$1\frac{1}{8}$ "	51.56	$1\frac{3}{8}$ "	65.62
$\frac{1}{2}$ "	14.66	$\frac{1}{2}$ "	28.12	$1\frac{1}{4}$ "	42.18	1"	53.95	$1\frac{7}{8}$ "	70.1
$\frac{3}{4}$ "	18.75	$\frac{3}{4}$ "	32.81	$1\frac{3}{4}$ "	46.87	$1\frac{5}{8}$ "	60.93	2"	75.