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A NEW GUIDE
TO THE
SHEET IRON AND BOILER PLATE ROLLER.

PHILADELPHIA:
HENRY C. BAIRD,
INDUSTRIAL PUBLISHER, 406 WALNUT STREET.
1867.

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A NEW GUIDE
TO THE
SHEET IRON AND BOILER PLATE ROLLER:

CONTAINING

A SERIES OF TABLES SHOWING THE WEIGHT OF SLABS AND PILES TO PRODUCE BOILER PLATES, AND OF THE WEIGHT OF PILES AND THE SIZES OF BARS TO PRODUCE SHEET IRON; THE THICKNESS OF THE BAR GAUGE IN DECIMALS; THE WEIGHT PER FOOT, AND THE THICKNESS ON THE BAR OR WIRE GAUGE OF THE FRACTIONAL PARTS OF AN INCH; THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON OF VARIOUS DIMENSIONS TO WEIGHT 112 lbs. PER BUNDLE; AND THE CONVERSION OF SHORT WEIGHT INTO LONG, AND OF LONG WEIGHT INTO SHORT.

ESTIMATED AND COLLECTED BY C. H. PERKINS AND J. G. STOWE.

PUBLISHED BY PERMISSION OF THE PERKINS SHEET IRON COMPANY.

PHILADELPHIA:
HENRY CAREY BAIRD,
INDUSTRIAL PUBLISHER,
406 Walnut Street.
1867.



(17)

1810

The following is a list of the names of the persons who have been
 named in the above mentioned document, and the date on which they
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 were named. The names are given in the order in which they appear
 in the document, and the date is given in the order in which they
 were named.

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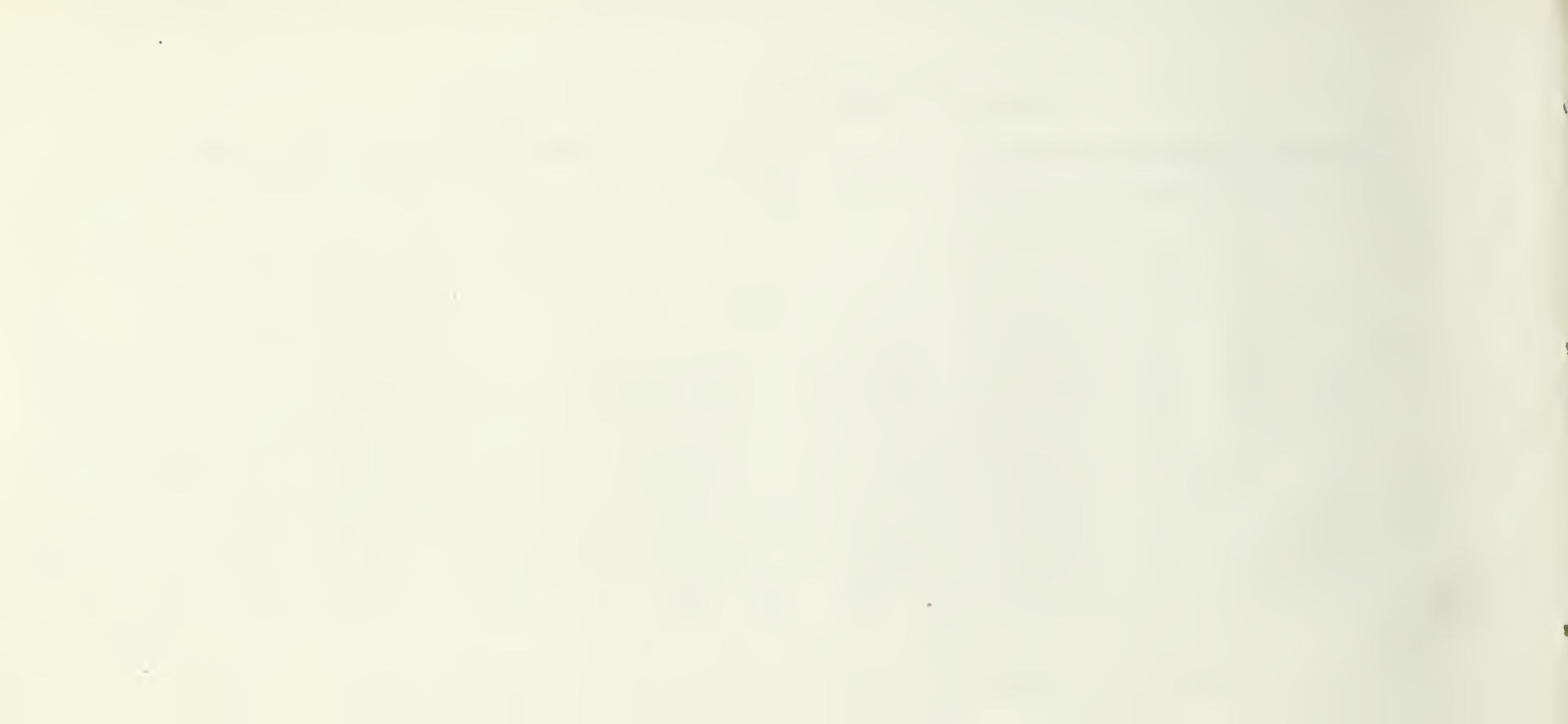
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WEIGHT OF SLABS TO PRODUCE BOILER PLATES.

FROM 2 FEET TO 9½ FEET SUPERFICIAL MEASURE, FROM ¼ INCH TO 1 INCH IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness of Plate. Inch.	Weight of Finished Iron.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.															
	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.														
1	10		26,7		33,375		40,05		46,725		53,4		60,075		66,75		73,425		80,1		86,775		93,45		100,125		106,8		113,475		120,15		126,825	
1½	12,5		33,375		41,7187		50,0625		58,4062		66,75		75,0937		83,4375		91,7812		100,125		108,4687		116,8125		125,1562		133,5		141,8437		150,1875		158,5312	
2	15		40,05		50,0625		60,075		70,0875		80,1		90,1125		100,125		110,1375		120,15		130,1625		140,175		150,1875		160,2		170,2125		180,225		190,2375	
2½	17,5		46,725		58,4062		70,0875		81,7687		93,45		105,1312		116,8125		128,4937		140,175		151,8562		163,5375		175,2187		186,9		198,5812		210,2625		221,9437	
3	20		53,4		66,75		80,1		93,45		106,8		120,15		133,5		146,85		160,2		173,55		186,9		200,25		213,6		226,95		240,3		253,65	
3½	22,5		60,075		75,0937		90,1125		105,1312		120,15		135,1687		150,1875		165,2062		180,225		195,2437		210,2625		225,2812		240,3		255,3187		270,3375		285,3562	
4	25		66,75		83,4375		100,125		116,8125		133,5		150,1875		166,875		183,5625		200,25		216,9375		233,625		250,3125		267,		283,6875		300,375		317,0625	
4½	27,5		73,425		91,7812		110,1375		128,4937		146,85		165,2062		183,5625		201,9187		220,275		238,6312		256,9875		275,3437		293,7		312,0562		330,4125		348,7687	
5	30		80,1		100,125		120,15		140,175		160,2		180,225		200,25		220,275		240,3		260,325		280,35		300,375		320,4		340,425		360,45		380,475	
5½	32,5		86,775		108,4687		130,1625		151,8562		173,55		195,2437		216,9375		238,6312		260,325		282,0187		303,7125		325,4062		347,1		368,7937		390,4875		412,1812	
6	35		93,45		116,8125		140,175		163,5375		186,9		210,2625		233,625		256,9875		280,35		303,7125		327,075		350,4375		373,8		397,1625		420,525		443,8875	
6½	37,5		100,125		125,1562		150,1875		175,2187		200,25		225,2812		250,3125		275,3437		300,375		325,4062		350,4375		375,4687		400,5		425,5312		450,5625		475,5937	
7	40		106,8		133,5		160,2		186,9		213,6		240,3		267,		293,7		320,4		347,1		373,8		400,5		427,2		453,9		480,6		507,3	

BOILER PLATES rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.



WEIGHT OF SLABS TO PRODUCE BOILER PLATES.

FROM 10 FEET TO 18 FEET, SUPERFICIAL MEASURE, FROM ¼ INCH TO 1 INCH IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness of Plate.	Feet. 10.	Feet. 10½.	Feet. 11.	Feet. 11½.	Feet. 12.	Feet. 12½.	Feet. 13.	Feet. 13½.	Feet. 14.	Feet. 14½.	Feet. 15.	Feet. 15½.	Feet. 16.	Feet. 16½.	Feet. 17.	Feet. 17½.	Feet. 18.
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
¼	133,5	140,175	146,85	153,525	160,2	166,875	173,55	180,225	186,9	193,575	200,25	206,925	213,6	220,275	226,95	233,625	240,3
⅓	166,875	175,2187	183,5625	191,9062	200,25	208,5937	216,9375	225,2812	233,625	241,9687	250,3125	258,6562	267,	275,3437	283,6875	292,0312	300,375
⅔	200,25	210,2625	220,275	230,2875	240,3	250,3125	260,325	270,3375	280,35	290,3625	300,375	310,3875	320,4	330,4125	340,425	350,4375	360,45
⅞	233,625	245,3062	256,9875	268,6687	280,35	292,0312	303,7125	315,3937	327,075	338,7562	350,4375	362,1187	373,8	385,4812	397,1625	408,8437	420,525
1	267,	280,35	293,7	307,05	320,4	333,75	347,1	360,45	373,8	387,15	400,5	413,85	427,2	440,55	453,9	467,25	480,6
1 1/16	300,375	315,3937	330,4125	345,4312	360,45	375,4687	390,4875	405,5062	420,525	435,5437	450,5625	465,5812	480,6	495,6187	510,6375	525,6562	540,675
1 1/8	333,75	350,4375	367,125	383,8125	400,5	417,1875	433,875	450,5625	467,25	483,9375	500,625	517,3125	534,	550,6875	567,375	584,0625	600,75
1 1/4	367,125	385,4812	403,8375	422,1937	440,55	458,9062	477,2625	495,6187	513,975	532,3312	550,6875	569,0437	587,4	605,7562	624,1125	642,4687	660,825
1 1/2	400,5	420,525	440,55	460,575	480,6	500,625	520,65	540,675	560,7	580,725	600,75	620,775	640,8	660,825	680,85	700,875	720,9
1 5/8	433,875	455,5687	477,2625	498,9562	520,65	542,3437	564,0375	585,7312	607,425	629,1187	650,8125	672,5062	694,2	715,8937	737,5875	759,2812	780,975
1 3/4	467,25	490,6125	513,975	537,3375	560,7	584,0625	607,425	630,7875	654,15	677,5125	700,875	724,2375	747,6	770,9625	794,325	817,6875	841,05
1 7/8	500,625	525,6562	550,6875	575,7187	600,75	625,7812	650,8125	675,8437	700,875	725,9062	750,9375	775,9687	801,	826,0312	851,0625	876,0937	901,125
2	534,	560,7	587,4	614,1	640,8	667,5	694,2	720,9	747,6	774,3	801,	827,7	854,4	881,1	907,8	934,5	961,2

BOILER PLATES rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.

WEIGHT OF PILES TO PRODUCE BOILER PLATES.

FROM 2 FEET TO $2\frac{1}{2}$ FEET, SUPERFICIAL MEASURE, FROM $\frac{1}{4}$ INCH TO 1 INCH IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness of Plate. Inch.	Weight of Finished Iron.		Feet. 2.		Feet. 2½.		Feet. 3.		Feet. 3½.		Feet. 4.		Feet. 4½.		Feet. 5.		Feet. 5½.		Feet. 6.		Feet. 6½.		Feet. 7.		Feet. 7½.		Feet. 8.		Feet. 8½.		Feet. 9.		Feet. 9½.	
	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.
$\frac{1}{16}$	10,		28,5		35,625		42,75		49,875		57,		64,125		71,25		78,375		85,5		92,625		99,75		106,875		114,		121,125		128,25		135,375	
$\frac{1}{8}$	12,5		35,625		44,5312		53,4375		62,3437		71,25		80,1562		89,0625		97,9687		106,875		115,7812		124,6875		133,5937		142,5		151,4062		160,3125		169,2187	
$\frac{3}{16}$	15,		42,75		53,4375		64,125		74,8125		85,5		96,1875		106,875		117,5625		128,25		138,9375		149,625		160,3125		171,		181,6875		192,375		203,0625	
$\frac{1}{4}$	17,5		49,875		62,3437		74,8125		87,2812		99,75		112,2187		124,6875		137,1562		149,625		162,0937		174,5625		187,0312		199,5		211,9687		224,4375		236,9062	
$\frac{5}{16}$	20,		57,		71,25		85,5		99,75		114,		128,25		142,5		156,75		171,		185,25		199,5		213,75		228,		242,25		256,5		270,75	
$\frac{3}{8}$	22,5		64,125		80,1562		96,1875		112,2187		128,25		144,2812		160,3125		176,3437		192,375		208,4062		224,4375		240,4687		256,5		272,5312		288,5625		304,5937	
$\frac{7}{16}$	25,		71,25		89,0625		106,875		124,6875		142,5		160,3125		178,125		195,9375		213,75		231,5625		249,375		267,1875		285,		302,8125		320,625		338,4375	
$\frac{1}{2}$	27,5		78,375		97,9687		117,5625		137,1562		156,75		176,3437		195,9375		215,5312		235,125		254,7187		274,3125		293,9062		313,5		333,0937		352,6875		372,2812	
$\frac{9}{16}$	30,		85,5		106,875		128,25		149,625		171,		192,375		213,75		235,125		256,5		277,875		299,25		320,625		342,		363,375		384,75		406,125	
$\frac{5}{8}$	32,5		92,625		115,7812		138,9375		162,0937		185,25		208,4062		231,5625		254,7187		277,875		301,0312		324,1875		347,3437		370,5		393,6562		416,8125		439,9687	
$\frac{11}{16}$	35,		99,75		124,6875		149,625		174,5625		199,5		224,4375		249,375		274,3125		299,25		324,1875		349,125		374,0625		399,		423,9375		448,875		473,8125	
$\frac{3}{4}$	37,5		106,875		133,5937		160,3125		187,0312		213,75		240,4687		267,1875		293,9062		320,625		347,3437		374,0625		400,7812		427,5		454,2187		480,9375		507,6562	
1	40,		114,		142,5		171,		199,5		228,		256,5		285,		313,5		342,		370,5		399,		427,5		456,		484,5		513,		541,5	

BOILER PLATES rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.



WEIGHT OF PILES TO PRODUCE BOILER PLATES.

FROM 10 FEET TO 18 FEET, SUPERFICIAL MEASURE, FROM $\frac{1}{4}$ INCH TO 1 INCH IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness of Plate.	Feet. 10.	Feet. 10½.	Feet. 11.	Feet. 11½.	Feet. 12.	Feet. 12½.	Feet. 13.	Feet. 13½.	Feet. 14.	Feet. 14½.	Feet. 15.	Feet. 15½.	Feet. 16.	Feet. 16½.	Feet. 17.	Feet. 17½.	Feet. 18.
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
$\frac{1}{4}$ Inch.	142,5	149,625	156,75	163,875	171,	178,125	185,25	192,375	199,5	206,625	213,75	220,875	228,	235,125	242,25	249,375	256,5
$\frac{1}{2}$ Inch.	178,125	187,0312	195,9375	204,8437	213,75	222,6562	231,5625	240,4687	249,375	258,2812	267,1875	276,0937	285,	293,9062	302,8125	311,7187	320,625
$\frac{3}{4}$ Inch.	213,75	224,4375	235,125	245,8125	256,5	267,1875	277,875	288,5625	299,25	309,9375	320,625	331,3125	342,	352,6875	363,375	374,0625	384,75
$\frac{1}{2}$ Inch.	249,375	261,8437	274,3125	286,7812	299,25	311,7187	324,1875	336,6562	349,125	361,5937	374,0625	386,5312	399,	411,4687	423,9375	436,4062	448,875
$\frac{1}{2}$ Inch.	285,	299,25	313,5	327,75	342,	356,25	370,5	384,75	399,	413,25	427,5	441,75	456,	470,25	484,5	498,75	513,
$\frac{1}{2}$ Inch.	320,625	336,6562	352,6875	368,7187	384,75	400,7812	416,8125	432,8437	448,875	464,9062	480,9375	496,9687	513,	529,0312	545,0625	561,0937	577,125
$\frac{1}{2}$ Inch.	356,25	374,0625	391,875	409,6875	427,5	445,3125	463,125	480,9375	498,75	516,5625	534,375	552,1875	570,	587,8125	605,625	623,4375	641,25
$\frac{1}{2}$ Inch.	391,875	411,4687	431,0625	450,6562	470,25	489,8437	509,4375	529,0312	548,625	568,2187	587,8125	607,4062	627,	646,5937	666,1875	685,7812	705,375
$\frac{1}{2}$ Inch.	427,5	448,875	470,25	491,625	513,	534,375	555,75	577,125	598,5	619,875	641,25	662,625	684,	705,375	726,75	748,125	769,5
$\frac{1}{2}$ Inch.	463,125	486,2812	509,4375	532,5937	555,75	578,9062	602,0625	625,2187	648,375	671,5312	694,6875	717,8437	741,	764,1562	787,3125	810,4687	833,625
$\frac{1}{2}$ Inch.	498,75	523,6875	548,625	573,5625	598,5	623,4375	648,375	673,3125	698,25	723,1875	748,125	773,0625	798,	822,9375	847,875	872,8125	897,75
$\frac{1}{2}$ Inch.	534,375	561,0937	587,8125	614,5312	641,25	667,9687	694,6875	721,4062	748,125	774,8437	801,5625	828,2812	855,	881,7187	908,4375	935,1562	961,875
1 Inch.	570,	598,5	627,	655,5	684,	712,5	741,	769,5	798,	826,5	855,	883,5	912,	940,5	969,	997,5	1026,

BOILER PLATES rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.

WEIGHT OF PILES TO PRODUCE SHEET IRON.

FROM 2 FEET TO 9½ FEET SUPERFICIAL MEASURE, FROM 4 WIRE GAUGE TO 14 WIRE GAUGE, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness on the Wire Gauge.	Weight of Finished Iron.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.	
	Foot. 1.	Feet. 2.	Feet. 2½.	Feet. 3.	Feet. 3½.	Feet. 4.	Feet. 4½.	Feet. 5.	Feet. 5½.	Feet. 6.	Feet. 6½.	Feet. 7.	Feet. 7½.	Feet. 8.	Feet. 8½.	Feet. 9.	Feet. 9½.			
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
4	9,375	26,7187	33,3984	40,0781	46,7578	53,4375	60,1171	66,7968	73,4765	80,1562	86,8359	93,5156	100,1953	106,875	113,5546	120,2343	126,9140			
5	8,75	24,9375	31,1718	37,4062	43,6406	49,875	56,1093	62,3437	68,5781	74,8125	81,0468	87,2812	93,5156	99,75	105,9843	112,2187	118,4531			
6	8,125	23,1562	28,9453	34,7343	40,5234	46,3125	52,1015	57,8906	63,6796	69,4687	75,2578	81,0468	86,8359	92,625	98,4140	104,2031	109,9921			
7	7,5	21,375	26,7187	32,0625	37,4062	42,75	48,0937	53,4375	58,7812	64,125	69,4687	74,8125	80,1562	85,5	90,8437	96,1875	101,5312			
8	6,875	19,5937	24,4921	29,5572	34,289	39,1875	44,0859	48,9843	53,8827	59,1145	63,6796	68,5781	73,4765	78,375	83,2734	88,6718	93,0703			
9	6,25	17,8125	22,2656	27,052	31,1718	35,625	40,0781	44,5312	48,9843	54,1041	57,8906	62,3437	66,7968	71,25	75,7031	81,1562	84,6093			
10	5,625	16,0312	20,039	24,0468	28,0546	32,0625	36,0703	40,0781	44,0859	48,0937	52,1015	56,1093	60,1171	64,125	68,1328	72,1406	76,1484			
11	5,	14,25	17,8125	21,375	24,9375	28,5	32,0625	35,625	39,1875	42,75	46,3125	49,875	53,4375	57,	60,5625	64,125	67,6875			
12	4,375	12,4687	15,5859	18,7031	21,8203	24,9375	28,0546	31,1718	34,2890	37,4062	40,5234	43,6406	46,7578	49,875	52,9921	56,1093	59,2265			
13	3,75	10,6875	13,3593	16,0312	18,7031	21,375	24,0468	26,7187	29,3906	32,0625	34,7343	37,4062	40,0781	42,75	45,4218	48,0937	50,7656			
14	3,125	8,9062	11,1328	13,3593	15,5859	17,8125	20,039	22,2656	24,4921	26,7187	28,9453	31,1718	33,3984	35,625	37,8515	40,0781	42,3046			

SHEET IRON rolled narrower than 18 inches, requires an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Sheets.



WEIGHT OF PILES TO PRODUCE SHEET IRON.

FROM 10 FEET TO 18 FEET, SUPERFICIAL MEASURE, FROM 4 WIRE GAUGE TO 14 WIRE GAUGE, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness on the Wire Gauge.	Feet. 10.		Feet. 10½.		Feet. 11.		Feet. 11½.		Feet. 12.		Feet. 12½.		Feet. 13.		Feet. 13½.		Feet. 14.		Feet. 14½.		Feet. 15.		Feet. 15½.		Feet. 16.		Feet. 16½.		Feet. 17.		Feet. 17½.		Feet. 18.	
	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.
4	133,5937		140,2734		146,9531		153,6328		160,3125		167,9921		173,6718		180,3515		187,0312		193,7109		200,3906		207,0703		213,75		220,4296		227,1093		233,789		240,4687	
5	124,6875		130,9218		137,1562		143,3906		149,625		155,8593		162,0937		168,3281		174,5625		180,7968		187,0312		193,2656		199,5		205,7343		211,9687		218,2031		224,4375	
6	115,7812		121,5703		127,3593		133,1484		138,9375		144,7265		150,5156		156,3046		162,0937		167,8828		173,6718		179,4609		185,25		191,0390		196,8281		202,6171		208,4062	
7	106,875		112,2187		117,5625		122,9062		128,25		133,5937		138,9375		144,2812		149,625		154,9687		160,3125		165,6562		171,		176,3437		181,6875		187,0312		192,375	
8	97,9687		102,867		107,7654		112,9972		118,229		122,7942		127,3593		132,2578		137,1562		142,0546		146,9531		151,8515		156,75		161,6484		166,5468		171,9453		177,3436	
9	89,0625		93,5156		97,9687		103,0885		108,2082		111,9947		115,7812		120,2343		124,6875		129,1406		133,5936		138,0468		142,5		146,9531		151,4062		156,8593		162,3124	
10	80,1562		84,164		88,1718		92,1796		96,1875		100,1952		104,2031		108,2109		112,2187		116,2265		120,2343		124,2421		128,25		132,2578		136,2656		140,2734		144,2812	
11	71,25		74,8125		78,375		81,9375		85,5		89,0625		92,625		96,1875		99,75		103,3125		106,875		110,4375		114,		117,5625		121,125		124,6875		128,25	
12	62,3437		65,4609		68,5781		71,6953		74,8125		77,9296		81,0468		84,164		87,2812		90,3984		93,5156		96,6328		99,75		102,8671		105,9843		109,1015		112,2187	
13	53,4375		56,1093		58,7812		61,4531		64,125		66,7968		69,4687		72,1406		74,8125		77,4843		80,1562		82,8281		85,5		88,1718		90,8437		93,5156		96,1875	
14	44,5312		46,7578		48,9843		51,2109		53,4375		55,9973		57,8906		60,1171		62,3437		64,5703		66,7968		69,0234		71,25		73,4765		75,7031		77,9296		80,1562	

SHEET IRON rolled narrower than 18 inches, requires an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Sheets.



WEIGHT OF PILES TO PRODUCE SHEET IRON.

FROM 2 FEET TO 9½ FEET, SUPERFICIAL MEASURE, FROM 14 WIRE GAUGE TO 30 WIRE GAUGE IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING, BOTH BAR AND SHEET.

Thickness on the Wire Gauge.	Weight of Finished Iron.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.		Feet.													
	Foot. 1.		2.	2½.	3.	3½.	4.	4½.	5.	5½.	6.	6½.	7.	7½.	8.	8½.	9.	9½.																
	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.												
14	3,125		9,375		11,7187		14,0625		16,4062		18,75		21,0937		23,4375		25,7812		28,125		30,4687		32,8125		35,1562		37,5		39,8437		42,1875		44,5312	
15	2,8125		8,4375		10,5468		12,6562		14,7656		16,875		18,9843		21,0937		23,2031		25,3125		27,4218		29,5312		31,6406		33,75		35,8593		37,9687		40,0781	
16	2,5		7,5		9,375		11,25		13,125		15,		16,875		18,75		20,625		22,5		24,375		26,25		28,125		30,		31,875		33,75		35,625	
17	2,1875		6,5625		8,2031		9,8437		11,4843		13,125		14,7656		16,4062		18,0468		19,6875		21,3281		22,9687		24,6093		26,25		27,8906		29,5312		31,1718	
18	1,875		5,625		7,0312		8,4375		9,8437		11,25		12,6562		14,0625		15,4687		16,875		18,2812		19,6875		21,0937		22,5		23,9062		25,3125		26,7187	
19	1,71875		5,1562		6,4453		7,7343		9,0234		10,3125		11,6015		12,8906		14,1796		15,4687		16,7578		18,0468		19,3359		20,625		21,914		23,2031		24,4921	
20	1,5625		4,6875		5,8593		7,0312		8,2031		9,375		10,5468		11,7187		12,8906		14,0625		15,2343		16,4062		17,5781		18,75		19,921		21,0937		22,2656	
21	1,40625		4,2187		5,2734		6,3281		7,3828		8,4375		9,5921		10,5468		11,6015		12,6562		13,7109		14,7656		15,8203		16,875		18,0296		19,1843		20,139	
22	1,25		3,75		4,6875		5,625		6,5625		7,5		8,4375		9,375		10,3125		11,25		12,1875		13,125		14,0625		15,		15,9375		16,875		17,8125	
23	1,12		3,36		4,2		5,04		5,88		6,72		7,56		8,4		9,44		10,08		10,92		11,76		12,6		13,44		14,28		15,12		15,96	
24	1,		3,		3,75		4,5		5,25		6,		6,75		7,5		8,25		9,		9,75		10,5		11,25		12,		12,75		13,5		14,25	
25	,9		2,7		3,375		4,05		4,725		5,4		6,075		6,75		7,425		8,1		8,775		9,45		10,125		10,8		11,475		12,15		12,825	
26	,8		2,4		3,		3,6		4,2		4,8		5,4		6,		6,6		7,2		7,8		8,4		9,		9,6		10,2		10,8		11,4	
27	,72		2,16		2,7		3,24		3,78		4,32		4,86		5,4		5,94		6,48		7,02		7,56		8,1		8,64		9,18		9,62		10,26	
28	,64		1,92		2,4		2,88		3,36		3,84		4,32		4,8		5,28		5,76		6,24		6,72		7,2		7,68		8,16		8,64		9,12	
29	,56		1,68		2,1		2,52		2,94		3,36		3,78		4,2		4,62		5,04		5,46		5,88		6,3		6,72		7,14		7,56		7,98	
30	,5		1,5		1,875		2,25		2,625		3,		3,375		37,5		4,125		4,5		4,875		5,25		5,625		6,		6,375		6,75		7,125	



WEIGHT OF PILES TO PRODUCE SHEET IRON.

FROM 10 FEET TO 18 FEET, SUPERFICIAL MEASURE, FROM 14 WIRE GAUGE TO 30 WIRE GAUGE IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING, BOTH BAR AND SHEET.

Thickness on the Wire Gauge.	Feet. 10.		Feet. 10½.		Feet. 11.		Feet. 11½.		Feet. 12.		Feet. 12½.		Feet. 13.		Feet. 13½.		Feet. 14.		Feet. 14½.		Feet. 15.		Feet. 15½.		Feet. 16.		Feet. 16½.		Feet. 17.		Feet. 17½.		Feet. 18.	
	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.	lbs.	Pts.
14	46,875		49,2187		51,5625		53,9062		56,25		58,5937		60,9375		63,2812		65,625		67,9687		70,3125		72,6562		75,		77,3437		79,6875		82,0312		84,375	
15	42,1875		44,2968		46,4062		48,5156		50,625		52,7343		54,8437		56,9531		59,0625		61,1718		63,2812		65,3906		67,5		69,6093		71,7187		73,8281		75,9375	
16	37,5		39,375		41,25		43,125		45,		46,875		48,75		50,625		52,5		54,375		56,25		58,125		60,		61,875		63,75		65,625		67,5	
17	32,8125		34,4531		36,0937		37,7343		39,375		41,0156		42,6562		44,2968		45,9375		47,5781		49,2187		50,8593		52,5		54,1406		55,7812		57,4218		59,0625	
18	28,125		29,5312		30,9375		32,3437		33,75		35,1562		36,5625		37,9687		39,375		40,7812		42,1875		43,5937		45,		46,4062		47,8125		49,2187		50,625	
19	25,7812		27,0703		28,3593		29,6484		30,9375		32,2265		33,5156		34,8046		36,0937		37,3828		38,6718		39,9609		41,25		42,539		43,8281		45,1171		46,4062	
20	23,4375		24,6093		25,7812		26,9531		28,125		29,2968		30,4687		31,6406		32,8125		33,9843		35,1562		36,3281		37,5		38,6718		39,8437		41,0156		42,1875	
21	21,0937		22,1484		23,2031		24,2578		25,3125		26,3671		27,4218		28,4765		29,5312		30,5859		31,6406		32,6953		33,75		34,8046		36,0593		37,214		38,3687	
22	18,75		19,6875		20,625		21,5625		22,5		23,4375		24,375		25,3125		26,25		27,1875		28,125		29,0625		30,		30,9375		31,875		32,8125		33,75	
23	16,8		17,84		18,88		19,52		20,16		21,		21,84		22,68		23,52		24,36		25,2		26,04		26,88		27,72		28,56		29,4		30,24	
24	15,		15,75		16,5		17,25		18,		18,75		19,5		20,25		21,		21,75		22,5		23,25		24,		24,75		25,5		26,25		27,	
25	13,5		14,175		14,85		15,525		16,2		16,875		17,55		18,225		18,9		19,575		20,25		20,925		21,6		22,275		22,95		23,625		24,3	
26	12,		12,6		13,2		13,8		14,4		15,		15,6		16,2		16,8		17,4		18,		18,6		19,2		19,8		20,4		21,		21,6	
27	10,8		11,34		11,88		12,42		12,96		13,5		14,04		14,58		15,12		15,66		16,2		16,74		17,28		17,82		18,36		18,8		19,24	
28	9,6		10,08		10,56		11,04		11,52		12,		12,48		12,96		13,44		13,92		14,4		14,88		15,36		15,84		16,32		16,8		17,28	
29	8,4		8,82		9,24		9,66		10,08		10,5		10,92		11,34		11,76		12,18		12,6		13,02		13,44		13,86		14,28		14,7		15,12	
30	7,5		7,875		8,25		8,625		9,		9,375		9,75		10,125		10,5		10,875		11,25		11,625		12,		12,375		12,75		13,125		13,5	

SIZES OF BARS TO PRODUCE SHEET IRON.

FROM 2 FEET TO 8 FEET LONG, FROM 13 WIRE GAUGE TO 20 WIRE GAUGE, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness on the Wire Gauge.	Feet. 2.		Feet. 2½.		Feet. 3.		Feet. 3½.		Feet. 4.		Feet. 4½.		Feet. 5.		Feet. 5½.		Feet. 6.		Feet. 6½.		Feet. 7.		Feet. 7½.		Feet. 8.	
	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.	Width of Bars.	Thick- ness. In. Pts.
13	8x	,3125	8x	,3906	8x	,4687	8x	,5468	8x	,625	8x	,7031	8x	,7812	8x	,8593	8x	,9375	8x	1,0156	8x	1,0937	8x	1,1718	8x	1,25
13	6x	,4166	6x	,5208	6x	,6249	6x	,7291	6x	,8333	6x	,9374	6x	1,0416	6x	1,1457	6x	1,2499	6x	1,3541	6x	1,4583	6x	1,5624	6x	1,6666
14	8x	,2604	8x	,3255	8x	,3906	8x	,4557	8x	,5208	8x	,5859	8x	,651	8x	,7161	8x	,7812	8x	,8463	8x	,9114	8x	,9765	8x	1,0416
14	6x	,3472	6x	,4315	6x	,5158	6x	,6051	6x	,6944	6x	,7787	6x	,863	6x	,9473	6x	1,0316	6x	1,1209	6x	1,2102	6x	1,2995	6x	1,3888
15	8x	,235	8x	,2937	8x	,3525	8x	,4112	8x	,47	8x	,5287	8x	,5875	8x	,6462	8x	,705	8x	,7637	8x	,8225	8x	,8812	8x	,94
15	6x	,3138	6x	,3922	6x	,4707	6x	,5491	6x	,6276	6x	,706	6x	,7845	6x	,8629	6x	,9414	6x	1,0198	6x	1,0983	6x	1,1767	6x	1,2553
16	8x	,2083	8x	,2604	8x	,3124	8x	,3645	8x	,4166	8x	,4687	8x	,5208	8x	,5729	8x	,6249	8x	,677	8x	,7291	8x	,7812	8x	,8333
16	6x	,2777	6x	,3472	6x	,4166	6x	,4861	6x	,5555	6x	,6249	6x	,6944	6x	,7638	6x	,8333	6x	,9027	6x	,9722	6x	1,0416	6x	1,1111
17	6x	,2422	6x	,3027	6x	,3633	6x	,4238	6x	,4844	6x	,5449	6x	,6055	6x	,666	6x	,7266	6x	,7871	6x	,8477	6x	,9082	6x	,9688
17	5x	,2906	5x	,3633	5x	,4359	5x	,5086	5x	,5813	5x	,6539	5x	,7266	5x	,7992	5x	,8719	5x	,9446	5x	1,0172	5x	1,0899	5x	1,1626
18	6x	,2066	6x	,2583	6x	,3099	6x	,3616	6x	,4133	6x	,4649	6x	,5166	6x	,5683	6x	,6199	6x	,6716	6x	,7233	6x	,7749	6x	,8266
18	5x	,2479	5x	,3099	5x	,3719	5x	,4339	5x	,4959	5x	,5579	5x	,6199	5x	,6819	5x	,7439	5x	,8059	5x	,8679	5x	,9299	5x	,9919
19	6x	,1888	6x	,236	6x	,2833	6x	,3305	6x	,3777	6x	,4249	6x	,4721	6x	,5194	6x	,5666	6x	,6138	6x	,661	6x	,7082	6x	,7555
19	5x	,2266	5x	,2833	5x	,3399	5x	,3966	5x	,4533	5x	,5099	5x	,5666	5x	,6232	5x	,6799	5x	,7366	5x	,7932	5x	,8499	5x	,9066
19	4x	,2833	4x	,3541	4x	,4249	4x	,4957	4x	,5666	4x	,6374	4x	,7082	4x	,7791	4x	,8499	4x	,9207	4x	,9915	4x	1,0624	4x	1,1332
20	6x	,1711	6x	,2138	6x	,2566	6x	,2994	6x	,3422	6x	,3849	6x	,4277	6x	,4705	6x	,5133	6x	,556	6x	,5988	6x	,6416	6x	,6844
20	5x	,2053	5x	,2566	5x	,3079	5x	,3593	5x	,4106	5x	,4619	5x	,5133	5x	,5646	5x	,6159	5x	,6672	5x	,7186	5x	,7699	5x	,8212
20	4x	,2566	4x	,3207	4x	,3849	4x	,4491	4x	,5133	4x	,5774	4x	,6415	4x	,7056	4x	,7699	4x	,834	4x	,8982	4x	,9624	4x	1,0266

The Bar should be cut about 3 inches wider than the Sheet required, to allow for Scrap on the sides

SIZES OF BARS TO PRODUCE SHEET IRON.

FROM 2 FEET TO 8 FEET LONG, FROM 21 WIRE GAUGE TO 30 WIRE GAUGE, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness on the Wire Gauge.	Feet. 2.		Feet. 2½.		Feet. 3.		Feet. 3½.		Feet. 4.		Feet. 4½.		Feet. 5.		Feet. 5½.		Feet. 6.		Feet. 6½.		Feet. 7.		Feet. 7½.		Feet. 8.	
	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.	Width of Bars.	Thick-ness. In. Pts.
21	6x	,1555	6x	,1944	6x	,2333	6x	,2722	6x	,3111	6x	,3499	6x	,3888	6x	,4277	6x	,4666	6x	,5055	6x	,5444	6x	,5833	6x	,6222
21	5x	,1866	5x	,2333	5x	,2799	5x	,3266	5x	,3733	5x	,4199	5x	,4666	5x	,5133	5x	,5599	5x	,6066	5x	,6533	5x	,6999	5x	,7466
21	4x	,2333	4x	,2916	4x	,3499	4x	,4083	4x	,4666	4x	,5249	4x	,5832	4x	,6416	4x	,6999	4x	,7582	4x	,8166	4x	,8749	4x	,9333
22	6x	,1388	6x	,1736	6x	,2083	6x	,243	6x	,2777	6x	,3124	6x	,3472	6x	,3819	6x	,4166	6x	,4513	6x	,486	6x	,5208	6x	,5555
22	5x	,1666	5x	,2083	5x	,2499	5x	,2916	5x	,3333	5x	,3749	5x	,4166	5x	,4583	5x	,4999	5x	,5416	5x	,5832	5x	,6249	5x	,6666
22	4x	,2083	4x	,2604	4x	,3124	4x	,3645	4x	,4166	4x	,4687	4x	,5208	4x	,5728	4x	,6249	4x	,677	4x	,7291	4x	,7812	4x	,8333
23	5x	,1493	5x	,1866	5x	,2239	5x	,2613	5x	,2986	5x	,3359	5x	,3733	5x	,4106	5x	,4479	5x	,4852	5x	,5226	5x	,5599	5x	,5972
23	4x	,1866	4x	,2333	4x	,2799	4x	,3266	4x	,3733	4x	,4199	4x	,4666	4x	,5132	4x	,5599	4x	,6066	4x	,6532	4x	,6999	4x	,7466
24	5x	,1333	5x	,1666	5x	,1999	5x	,2333	5x	,2666	5x	,2999	5x	,3333	5x	,3666	5x	,3999	5x	,4333	5x	,4666	5x	,4999	5x	,5333
24	4x	,1666	4x	,2083	4x	,2499	4x	,2916	4x	,3333	4x	,3749	4x	,4166	4x	,4583	4x	,4999	4x	,5416	4x	,5832	4x	,6249	4x	,6666
25	5x	,1199	5x	,1499	5x	,1799	5x	,2099	5x	,2399	5x	,2699	5x	,2999	5x	,3299	5x	,3599	5x	,3899	5x	,4199	5x	,4499	5x	,4799
25	4x	,1499	4x	,1874	4x	,2249	4x	,2624	4x	,2999	4x	,3374	4x	,3749	4x	,4124	4x	,4499	4x	,4874	4x	,5249	4x	,5624	4x	,5999
26	5x	,1066	5x	,1333	5x	,1599	5x	,1866	5x	,2133	5x	,2399	5x	,2666	5x	,2933	5x	,3199	5x	,3466	5x	,3733	5x	,3999	5x	,4266
26	4x	,1333	4x	,1666	4x	,1999	4x	,2333	4x	,2666	4x	,2999	4x	,3333	4x	,3666	4x	,3999	4x	,4333	4x	,4666	4x	,4999	4x	,5333
27	4x	,1199	4x	,1499	4x	,1799	4x	,2099	4x	,2399	4x	,2699	4x	,2999	4x	,3299	4x	,3599	4x	,3899	4x	,4199	4x	,4499	4x	,4799
28	4x	,1066	4x	,1333	4x	,16	4x	,1866	4x	,2133	4x	,24	4x	,2667	4x	,2933	4x	,32	4x	,3466	4x	,3733	4x	,4	4x	,4267
29	4x	,0933	4x	,1166	4x	,1399	4x	,1633	4x	,1866	4x	,2099	4x	,2333	4x	,2566	4x	,2799	4x	,3033	4x	,3266	4x	,3499	4x	,3733
30	4x	,0833	4x	,1041	4x	,1249	4x	,1458	4x	,1666	4x	,1874	4x	,2083	4x	,2291	4x	,2499	4x	,2708	4x	,2916	4x	,3124	4x	,3333

The Bar should be cut about 3 inches wider than the Sheet required, to allow for Scrap on the sides.

TABLE SHOWING THE THICKNESS OF THE BAR GAUGE IN DECIMALS.

Thickness on Bar Gauge.	Decimal Parts of an Inch.	Thickness on Bar Gauge.	Decimal Parts of an Inch.	Thickness on Bar Gauge.	Decimal Parts of an Inch.	Thickness on Bar Gauge.	Decimal Parts of an Inch.
Inch.	In. Pts.	Inch.	In. Pts.	Inch.	In. Pts.	Inch.	In. Pts.
1	is = 1,	$\frac{11}{16}$	$\frac{3}{64}$ are = ,734375	$\frac{7}{16}$	$\frac{1}{32}$ are = ,46875	$\frac{3}{16}$	$\frac{1}{64}$ are = ,203125
$\frac{15}{16}$	$\frac{3}{64}$ are = ,984375	$\frac{11}{16}$	$\frac{1}{32}$ " = ,71875	$\frac{7}{16}$	$\frac{1}{64}$ " = ,453125	$\frac{3}{16}$	" = ,1875
$\frac{15}{16}$	$\frac{1}{32}$ " = ,96875	$\frac{11}{16}$	$\frac{1}{64}$ " = ,703125	$\frac{7}{16}$	" = ,4375	$\frac{1}{8}$	$\frac{3}{64}$ " = ,171875
$\frac{15}{16}$	$\frac{1}{64}$ " = ,953125	$\frac{11}{16}$	" = ,6875	$\frac{3}{8}$	$\frac{3}{64}$ " = ,421875	$\frac{1}{8}$	$\frac{1}{32}$ " = ,15625
$\frac{15}{16}$	" = ,9375	$\frac{5}{8}$	$\frac{3}{64}$ " = ,671875	$\frac{3}{8}$	$\frac{1}{32}$ " = ,40625	$\frac{1}{8}$	$\frac{1}{64}$ " = ,130625
$\frac{7}{8}$	$\frac{3}{64}$ " = ,921875	$\frac{5}{8}$	$\frac{1}{32}$ " = ,65625	$\frac{3}{8}$	$\frac{1}{64}$ " = ,390625	$\frac{1}{8}$	is = ,125
$\frac{7}{8}$	$\frac{1}{32}$ " = ,90625	$\frac{5}{8}$	$\frac{1}{64}$ " = ,640625	$\frac{3}{8}$	" = ,375	$\frac{1}{16}$	$\frac{3}{64}$ are = ,109375
$\frac{7}{8}$	$\frac{1}{64}$ " = ,890625	$\frac{9}{8}$	" = ,625	$\frac{5}{16}$	$\frac{3}{64}$ " = ,359375	$\frac{1}{16}$	$\frac{1}{32}$ " = ,09375
$\frac{7}{8}$	" = ,875	$\frac{9}{16}$	$\frac{3}{64}$ " = ,609375	$\frac{5}{16}$	$\frac{1}{32}$ " = ,34375	$\frac{1}{16}$	$\frac{1}{64}$ " = ,078125
$\frac{13}{16}$	$\frac{3}{64}$ " = ,859375	$\frac{9}{16}$	$\frac{1}{32}$ " = ,59375	$\frac{5}{16}$	$\frac{1}{64}$ " = ,328125	$\frac{1}{16}$	$\frac{1}{64}$ is = ,0625
$\frac{13}{16}$	$\frac{1}{32}$ " = ,84375	$\frac{9}{16}$	$\frac{1}{64}$ " = ,578125	$\frac{5}{16}$	" = ,3125	$\frac{1}{16}$	" = ,03125
$\frac{13}{16}$	$\frac{3}{64}$ " = ,828125	$\frac{9}{16}$	" = ,5625	$\frac{1}{4}$	$\frac{3}{64}$ " = ,296875	$\frac{3}{32}$	" = ,015625
$\frac{13}{16}$	" = ,8125	$\frac{1}{2}$	$\frac{3}{64}$ " = ,556875	$\frac{1}{4}$	$\frac{1}{32}$ " = ,28125	$\frac{1}{4}$	$\frac{1}{64}$ " = ,25
$\frac{3}{4}$	$\frac{3}{64}$ " = ,796875	$\frac{1}{2}$	$\frac{1}{32}$ " = ,54125	$\frac{1}{4}$	$\frac{1}{64}$ " = ,265625	$\frac{1}{4}$	is = ,25
$\frac{3}{4}$	$\frac{1}{32}$ " = ,78125	$\frac{1}{2}$	$\frac{1}{64}$ " = ,525625	$\frac{3}{16}$	$\frac{3}{64}$ are = ,234375	$\frac{3}{16}$	$\frac{1}{32}$ " = ,21875
$\frac{3}{4}$	$\frac{1}{64}$ " = ,765625	$\frac{1}{2}$	is = ,5	$\frac{3}{16}$	$\frac{1}{32}$ " = ,21875		
$\frac{3}{4}$	" = ,75	$\frac{7}{16}$	$\frac{3}{64}$ are = ,484375				

The above Table is a Key to the preceding one, viz., "Sheets from Bars."

TABLE SHOWING THE WEIGHT PER FOOT, AND THE THICKNESS ON THE BAR OR WIRE GAUGE
OF THE FRACTIONAL PARTS OF AN INCH.

Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.
Inch.	lbs. Pts.	Inch.	Inch.	lbs. Pts.	Inch.	Inch.	lbs. Pts.	Inch.	Inch.	lbs. Pts.	No.
$\frac{31}{32}$ are =	39,375	1 rather bare.	$\frac{29}{32}$ are =	28,125	$\frac{11}{16}$ rather full	$\frac{13}{32}$ are =	16,25	$\frac{3}{8}$ very full.	$\frac{9}{32}$ are =	11,25	1
$\frac{31}{32}$ " =	38,75	$\frac{15}{16}$ very full	$\frac{29}{32}$ " =	27,5	$\frac{11}{16}$ " =	$\frac{12}{32}$ $\frac{1}{64}$ " =	15,625	$\frac{3}{8}$ rather full.	$\frac{8}{32}$ $\frac{1}{64}$ " =	10,625	2
$\frac{30}{32}$ $\frac{1}{64}$ " =	38,125	$\frac{15}{16}$ rather full.	$\frac{28}{32}$ $\frac{1}{64}$ " =	26,875	$\frac{11}{16}$ rather bare	$\frac{12}{32}$ " =	15,	$\frac{3}{8}$ " =	$\frac{8}{32}$ " =	10,	3
$\frac{30}{32}$ " =	37,5	$\frac{15}{16}$ " =	$\frac{28}{32}$ $\frac{1}{64}$ " =	26,25	$\frac{5}{8}$ very full.	$\frac{11}{32}$ $\frac{1}{64}$ " =	14,375	$\frac{3}{8}$ rather bare.	$\frac{7}{32}$ $\frac{1}{64}$ " =	9,375	4
$\frac{29}{32}$ $\frac{1}{64}$ " =	36,875	$\frac{15}{16}$ rather bare.	$\frac{27}{32}$ $\frac{1}{64}$ " =	25,625	$\frac{5}{8}$ rather full.	$\frac{11}{32}$ " =	13,75	$\frac{5}{16}$ very full.	$\frac{7}{32}$ " =	8,75	5
$\frac{29}{32}$ " =	36,25	$\frac{15}{16}$ very full.	$\frac{27}{32}$ $\frac{1}{64}$ " =	25,	$\frac{5}{8}$ " =	$\frac{10}{32}$ $\frac{1}{64}$ " =	13,125	$\frac{5}{16}$ rather full.	$\frac{6}{32}$ $\frac{1}{64}$ " =	8,125	6
$\frac{28}{32}$ $\frac{1}{64}$ " =	35,625	$\frac{7}{8}$ rather bare.	$\frac{26}{32}$ $\frac{1}{64}$ " =	24,375	$\frac{5}{8}$ rather bare.	$\frac{10}{32}$ " =	12,5	$\frac{5}{16}$ " =	$\frac{6}{32}$ " =	7,5	7
$\frac{28}{32}$ " =	35,	$\frac{7}{8}$ very full.	$\frac{26}{32}$ $\frac{1}{64}$ " =	23,75	$\frac{9}{16}$ very full.	$\frac{9}{32}$ $\frac{1}{64}$ " =	11,875	$\frac{5}{16}$ rather bare.	$\frac{5}{32}$ $\frac{1}{64}$ " =	6,875	8
$\frac{27}{32}$ $\frac{1}{64}$ " =	34,375	$\frac{7}{8}$ rather bare.	$\frac{25}{32}$ $\frac{1}{64}$ " =	23,125	$\frac{9}{16}$ rather full.	$\frac{9}{32}$ " =	11,25	$\frac{1}{4}$ very full.	$\frac{5}{32}$ " =	6,25	9
$\frac{27}{32}$ " =	33,75	$\frac{13}{16}$ very full.	$\frac{25}{32}$ $\frac{1}{64}$ " =	22,5	$\frac{9}{16}$ " =	$\frac{8}{32}$ $\frac{1}{64}$ " =	10,625	$\frac{1}{4}$ rather full.	$\frac{4}{32}$ $\frac{1}{64}$ " =	5,625	10
$\frac{26}{32}$ $\frac{1}{64}$ " =	33,125	$\frac{13}{16}$ rather full.	$\frac{24}{32}$ $\frac{1}{64}$ " =	21,875	$\frac{9}{16}$ rather bare.	$\frac{8}{32}$ " =	10,	$\frac{1}{4}$ " =	$\frac{4}{32}$ " =	5,	11
$\frac{26}{32}$ " =	32,5	$\frac{13}{16}$ " =	$\frac{24}{32}$ $\frac{1}{64}$ " =	21,25	$\frac{1}{2}$ very full.	$\frac{7}{32}$ $\frac{1}{64}$ " =	9,375	$\frac{1}{4}$ rather bare.	$\frac{3}{32}$ $\frac{1}{64}$ " =	4,375	12
$\frac{25}{32}$ $\frac{1}{64}$ " =	31,875	$\frac{13}{16}$ rather bare.	$\frac{23}{32}$ $\frac{1}{64}$ " =	20,625	$\frac{1}{2}$ rather full.	$\frac{7}{32}$ " =	8,75	$\frac{1}{6}$ very full.	$\frac{3}{32}$ " =	3,75	13
$\frac{25}{32}$ " =	31,25	$\frac{13}{16}$ very full.	$\frac{23}{32}$ $\frac{1}{64}$ " =	20,	$\frac{1}{2}$ " =	$\frac{6}{32}$ $\frac{1}{64}$ " =	8,125	$\frac{1}{6}$ rather full.	$\frac{3}{32}$ $\frac{1}{64}$ " =	3,125	14
$\frac{24}{32}$ $\frac{1}{64}$ " =	30,625	$\frac{3}{4}$ rather full.	$\frac{22}{32}$ $\frac{1}{64}$ " =	19,375	$\frac{7}{16}$ rather bare.	$\frac{6}{32}$ " =	7,5	$\frac{1}{6}$ " =	$\frac{2}{32}$ " =	2,5	16
$\frac{24}{32}$ " =	30,	$\frac{3}{4}$ " =	$\frac{22}{32}$ $\frac{1}{64}$ " =	18,75	$\frac{7}{16}$ very full.	$\frac{5}{32}$ " =		$\frac{1}{6}$ " =	$\frac{1}{32}$ $\frac{1}{64}$ " =	1,875	18
$\frac{23}{32}$ $\frac{1}{64}$ " =	29,375	$\frac{3}{4}$ rather bare.	$\frac{21}{32}$ $\frac{1}{64}$ " =	18,125	$\frac{7}{16}$ rather full.	$\frac{5}{32}$ " =		$\frac{1}{6}$ " =	$\frac{1}{32}$ " =	1,25	22
$\frac{23}{32}$ " =	28,75	$\frac{11}{16}$ very full.	$\frac{21}{32}$ $\frac{1}{64}$ " =	17,5	$\frac{7}{16}$ " =	$\frac{4}{32}$ " =		$\frac{1}{6}$ " =	$\frac{1}{32}$ " =	,625	28 rather bare.
			$\frac{20}{32}$ $\frac{1}{64}$ " =	16,875	$\frac{7}{16}$ rather bare.						

TABLE SHOWING THE WEIGHT PER FOOT AND THE THICKNESS ON THE WIRE GAUGE
OF THE FRACTIONAL PARTS OF AN INCH.

Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Wire Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Wire Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Wire Gauge.
Inch.	lbs. Pts.	No.	Inch.	lbs. Pts.	No.	Inch.	lbs. Pts.	No.
1	40,	—	$\frac{1}{21}$	1,9047	18 rather full.	$\frac{1}{42}$,9523	24 bare.
$\frac{1}{2}$	20,	—	$\frac{1}{22}$	1,8181	18 bare.	$\frac{1}{44}$,904	25 rather full.
$\frac{1}{3}$	13,3333	1 full.	$\frac{1}{23}$	1,7391	19 rather full.	$\frac{1}{46}$,8695	25 bare.
$\frac{1}{4}$	10,	3	$\frac{1}{24}$	1,6666	19 bare.	$\frac{1}{48}$,8333	26 rather full.
$\frac{1}{5}$	8,	6 bare.	$\frac{1}{25}$	1,6	20 full.	$\frac{1}{50}$,8	26
$\frac{1}{6}$	6,6666	8 bare.	$\frac{1}{26}$	1,5384	20 rather bare.	$\frac{1}{52}$,7692	27 full.
$\frac{1}{7}$	5,7142	10 full.	$\frac{1}{27}$	1,4814	21 full.	$\frac{1}{54}$,7407	27 rather full.
$\frac{1}{8}$	5,	11	$\frac{1}{28}$	1,4285	21 rather full.	$\frac{1}{56}$,7142	27 rather bare.
$\frac{1}{9}$	4,4444	12 full.	$\frac{1}{29}$	1,3793	21 rather bare.	$\frac{1}{58}$,6896	28 full.
$\frac{1}{10}$	4,	13 full.	$\frac{1}{30}$	1,3333	22 full.	$\frac{1}{60}$,6666	28 rather full.
$\frac{1}{11}$	3,6363	13 bare.	$\frac{1}{31}$	1,2903	22 rather full.	$\frac{1}{62}$,6451	28
$\frac{1}{12}$	3,3333	14 full.	$\frac{1}{32}$	1,25	22	$\frac{1}{64}$,625	28 rather bare.
$\frac{1}{13}$	3,0768	14 bare.	$\frac{1}{33}$	1,2121	22 bare.	$\frac{1}{66}$,606	28 bare.
$\frac{1}{14}$	2,8571	15 rather full.	$\frac{1}{34}$	1,1764	23 full.	$\frac{1}{68}$,5882	29 full.
$\frac{1}{15}$	2,6666	15 bare.	$\frac{1}{35}$	1,1428	23 rather full.	$\frac{1}{70}$,5714	29 rather full.
$\frac{1}{16}$	2,5	16	$\frac{1}{36}$	1,1111	23 rather bare.	$\frac{1}{72}$,5555	29
$\frac{1}{17}$	2,3529	16 bare.	$\frac{1}{37}$	1,081	23 bare.	$\frac{1}{74}$,5405	29 rather bare.
$\frac{1}{18}$	2,2222	17 full.	$\frac{1}{38}$	1,0526	24 full.	$\frac{1}{76}$,5263	29 bare.
$\frac{1}{19}$	2,1052	17 bare.	$\frac{1}{39}$	1,0256	24 rather full.	$\frac{1}{78}$,5128	30 full.
$\frac{1}{20}$	2,	18 full.	$\frac{1}{40}$	1,	24	$\frac{1}{80}$,5	30

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 2 FEET LONG BY $1\frac{1}{2}$ FEET WIDE, FROM 4 SHEETS TO 70
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
2 Feet \times $1\frac{1}{2}$ Feet =	4	28,	3 bare.	2 Feet \times $1\frac{1}{2}$ Feet =	38	2,9473	24 rather bare.
" \times " =	6	18,6666	9 rather bare.	" \times " =	40	2,8	25 full.
" \times " =	8	14,	12 full.	" \times " =	42	2,6666	25 bare.
" \times " =	10	11,2	13 rather bare.	" \times " =	44	2,5454	26 full.
" \times " =	12	9,3333	14 rather bare.	" \times " =	46	2,4347	26 rather full.
" \times " =	14	8,	15 bare.	" \times " =	48	2,3333	26 rather bare.
" \times " =	16	7,	17 full.	" \times " =	50	2,24	27 full.
" \times " =	18	6,2222	17 bare.	" \times " =	52	2,1538	27 rather bare.
" \times " =	20	5,6	18 rather full.	" \times " =	54	2,074	27 bare.
" \times " =	22	5,0909	19 rather bare.	" \times " =	56	2,	28 full.
" \times " =	24	4,6666	20 rather bare.	" \times " =	58	1,931	28 rather full.
" \times " =	26	4,3076	21 full.	" \times " =	60	1,8666	28 rather bare.
" \times " =	28	4,	22 full.	" \times " =	62	1,8064	28 bare.
" \times " =	30	3,7333	22 rather bare.	" \times " =	64	1,75	29 full.
" \times " =	32	3,5	23 full.	" \times " =	66	1,6969	29 rather full.
" \times " =	34	3,2941	23 bare.	" \times " =	68	1,647	29 rather bare.
" \times " =	36	3,1111	24 full.	" \times " =	70	1,6	30 full.

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, $2\frac{1}{2}$ FEET LONG BY 2 FEET WIDE, FROM 2 SHEETS TO 36
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
$2\frac{1}{2}$ Feet \times 2 Feet =	2	56,	2 full.	$2\frac{1}{2}$ Feet \times 2 Feet =	20	5,6	23
" \times " =	3	37,3333	7 rather bare.	" \times " =	21	5,3333	24 full.
" \times " =	4	28,	10 rather bare.	" \times " =	22	5,0909	24 rather full.
" \times " =	5	22,4	12 rather bare.	" \times " =	23	4,8695	25 full.
" \times " =	6	18,6666	13 rather bare.	" \times " =	24	4,6666	25 rather full.
" \times " =	7	16,	14 full.	" \times " =	25	4,48	25 rather bare.
" \times " =	8	14,	15 rather bare.	" \times " =	26	4,3076	26 full.
" \times " =	9	12,4444	16 rather bare.	" \times " =	27	4,1481	26 rather full.
" \times " =	10	11,2	17 full.	" \times " =	28	4,	26
" \times " =	11	10,1818	17 bare.	" \times " =	29	3,862	27 full.
" \times " =	12	9,3333	18 rather bare.	" \times " =	30	3,7333	27 rather full
" \times " =	13	8,6153	19 rather full.	" \times " =	31	3,6128	27
" \times " =	14	8,	19 bare.	" \times " =	32	3,5	27 bare.
" \times " =	15	7,4666	21 full.	" \times " =	33	3,3939	28 full.
" \times " =	16	7,	21	" \times " =	34	3,2941	28 rather full.
" \times " =	17	6,5882	22 full.	" \times " =	35	3,2	28
" \times " =	18	6,2222	22 rather bare.	" \times " =	36	3,1111	28 bare.
" \times " =	19	5,8947	23 full.	" \times " =			

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 4 FEET LONG BY 2 FEET WIDE, FROM 1 SHEET TO 28
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
4 Feet × 2 Feet =	1	112,	1 very full	4 Feet × 2 Feet =	15	7,4666	25 rather full.
“ × “ =	2	56,	8 full.	“ × “ =	16	7,	25 rather bare.
“ × “ =	3	37,3333	12 full.	“ × “ =	17	6,5882	26 rather full.
“ × “ =	4	28,	13 bare.	“ × “ =	18	6,2222	26 rather bare.
“ × “ =	5	22,4	15 rather bare.	“ × “ =	19	5,8947	27 rather full.
“ × “ =	6	18,6666	17 full.	“ × “ =	20	5,6	27 rather bare.
“ × “ =	7	16,	18 full.	“ × “ =	21	5,3333	28 rather full
“ × “ =	8	14,	19 rather full.	“ × “ =	22	5,0909	28 rather bare.
“ × “ =	9	12,4444	20 rather bare.	“ × “ =	23	4,8695	29 full.
“ × “ =	10	11,2	21 rather bare.	“ × “ =	24	4,6666	29 rather full.
“ × “ =	11	10,1818	22 rather full.	“ × “ =	25	4,48	29
“ × “ =	12	9,3333	23 full.	“ × “ =	26	4,3076	29 bare.
“ × “ =	13	8,6153	23 bare.	“ × “ =	27	4,1481	30 full.
“ × “ =	14	8,	24	“ × “ =	28	4,	30

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 4 FEET LONG BY $2\frac{1}{2}$ FEET WIDE, FROM 1 SHEET TO 23
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
4 Feet \times $2\frac{1}{2}$ Feet =	1	112,	2 full.	4 Feet \times $2\frac{1}{2}$ Feet =	13	8,6153	25 bare.
" \times " =	2	56,	10 rather bare.	" \times " =	14	8,	26
" \times " =	3	37,3333	13 rather bare.	" \times " =	15	7,4666	27 rather full.
" \times " =	4	28,	15 rather bare.	" \times " =	16	7,	27 rather bare.
" \times " =	5	22,4	17 full.	" \times " =	17	6,5882	28 rather full.
" \times " =	6	18,6666	18 rather bare.	" \times " =	18	6,2222	28 rather bare.
" \times " =	7	16,	19 rather bare.	" \times " =	19	5,8947	29 full.
" \times " =	8	14,	21 rather bare.	" \times " =	20	5,6	29
" \times " =	9	12,4444	22 rather bare.	" \times " =	21	5,3333	29 bare.
" \times " =	10	11,2	23	" \times " =	22	5,0909	30 rather full.
" \times " =	11	10,1818	24 full.	" \times " =	23	4,8695	30 rather bare.
" \times " =	12	9,3333	25 full.	" \times " =			



TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 4 FEET LONG BY 3 FEET WIDE, FROM 1 SHEET TO 19
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
4 Feet × 3 Feet =	1	112,	4 rather bare.	4 Feet × 3 Feet =	11	10,1818	26 full.
" × " =	2	56,	12 full.	" × " =	12	9,3333	26 rather bare.
" × " =	3	37,3333	14 rather bare.	" × " =	13	8,6153	27 rather bare.
" × " =	4	28,	17 full.	" × " =	14	8,	28 full.
" × " =	5	22,4	18 rather bare.	" × " =	15	7,4666	28 rather bare.
" × " =	6	18,6666	20 rather bare.	" × " =	16	7,	29 rather full.
" × " =	7	16,	21 bare.	" × " =	17	6,5882	29 rather bare.
" × " =	8	14,	23 full.	" × " =	18	6,2222	30 rather full.
" × " =	9	12,4444	24 full.	" × " =	19	5,8947	30 rather bare.
" × " =	10	11,2	25 full.				



TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 5 FEET LONG BY 2 FEET WIDE, FROM 1 SHEET TO 23 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
5 Feet × 2 Feet =	1	112,	2 full.	5 Feet × 2 Feet =	13	8,6153	25 bare.
" × " =	2	56,	10 rather bare.	" × " =	14	8,	26
" × " =	3	37,3333	13 rather bare.	" × " =	15	7,4666	27 rather full.
" × " =	4	28,	15 rather bare.	" × " =	16	7,	27 rather bare.
" × " =	5	22,4	17 full.	" × " =	17	6,5882	28 rather full.
" × " =	6	18,6666	18 rather bare.	" × " =	18	6,2222	28 rather bare.
" × " =	7	16,	19 rather bare.	" × " =	19	5,8947	29 full.
" × " =	8	14,	21 rather bare.	" × " =	20	5,6	29
" × " =	9	12,4444	22 rather bare.	" × " =	21	5,3333	29 bare.
" × " =	10	11,2	23	" × " =	22	5,0909	30 rather full.
" × " =	11	10,1818	24 full.	" × " =	23	4,8695	30 rather bare.
" × " =	12	9,3333	25 full.	" × " =			

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 5 FEET LONG BY $2\frac{1}{2}$ FEET WIDE, FROM 1 SHEET TO 18 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
5 Feet \times $2\frac{1}{2}$ Feet =	1	112,	5 full.	5 Feet \times $2\frac{1}{2}$ Feet =	10	11,2	25 rather bare.
" \times " =	2	56,	12 full.	" \times " =	11	10,1818	26 rather full.
" \times " =	3	37,3333	15 full.	" \times " =	12	9,3333	27 full.
" \times " =	4	28,	17 full.	" \times " =	13	8,6153	27 bare.
" \times " =	5	22,4	19 full.	" \times " =	14	8,	28
" \times " =	6	18,6666	21 full.	" \times " =	15	7,4666	28 bare.
" \times " =	7	16,	22 full.	" \times " =	16	7,	29
" \times " =	8	14,	23	" \times " =	17	6,5882	29 bare.
" \times " =	9	12,4444	24 rather bare.	" \times " =	18	6,2222	30 rather bare.

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 5 FEET LONG BY 3 FEET WIDE, FROM 1 SHEET TO 15
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
5 Feet × 3 Feet =	1	112,	7 rather bare.	5 Feet × 3 Feet =	9	12,4444	26 full.
“ × “ =	2	56,	13 rather bare.	“ × “ =	10	11,2	27 full.
“ × “ =	3	37,3333	16 rather bare.	“ × “ =	11	10,1818	28 full.
“ × “ =	4	28,	18 rather bare.	“ × “ =	12	9,3333	28 rather bare.
“ × “ =	5	22,4	21 full.	“ × “ =	13	8,6153	29 full.
“ × “ =	6	18,6666	22 rather bare.	“ × “ =	14	8,	29 bare.
“ × “ =	7	16,	23 bare.	“ × “ =	15	7,4666	30 rather bare.
“ × “ =	8	14,	25 full.				



TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 6 FEET LONG BY 2 FEET WIDE, FROM 1 SHEET TO 19
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
6 Feet × 2 Feet =	1	112,	4 rather bare.	6 Feet × 2 Feet =	11	10,1818	26 full.
“ × “ =	2	56,	12 full.	“ × “ =	12	9,3333	26 rather bare.
“ × “ =	3	37,3333	14 rather bare.	“ × “ =	13	8,6153	27 rather bare.
“ × “ =	4	28,	17 full.	“ × “ =	14	8,	28 full.
“ × “ =	5	22,4	18 rather bare.	“ × “ =	15	7,4666	28 rather bare.
“ × “ =	6	18,6666	20 rather bare.	“ × “ =	16	7,	29 rather full.
“ × “ =	7	16,	21 bare.	“ × “ =	17	6,5882	29 rather bare.
“ × “ =	8	14,	23 full.	“ × “ =	18	6,2222	30 rather full.
“ × “ =	9	12,4444	24 full.	“ × “ =	19	5,8947	30 rather bare.
“ × “ =	10	11,2	25 full.	“ × “ =			



TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 6 FEET LONG BY $2\frac{1}{2}$ FEET WIDE, FROM 1 SHEET TO 15
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
6 Feet \times $2\frac{1}{2}$ Feet =	1	112,	7 rather bare.	6 Feet \times $2\frac{1}{2}$ Feet =	9	12,444	26 full.
" \times " =	2	56,	13 rather bare.	" \times " =	10	11,2	27 full.
" \times " =	3	37,3333	16 rather bare.	" \times " =	11	10,1818	28 full.
" \times " =	4	28,	18 rather bare.	" \times " =	12	9,3333	28 rather bare.
" \times " =	5	22,4	21 full.	" \times " =	13	8,6153	29 full.
" \times " =	6	18,6666	22 rather bare.	" \times " =	14	8,	29 bare.
" \times " =	7	16,	23 bare.	" \times " =	15	7,4666	30 rather bare.
" \times " =	8	14,	25 full.				



TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF
SHEET IRON, 6 FEET LONG BY 3 FEET WIDE, FROM 1 SHEET TO 12
SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
6 Feet × 3 Feet =	1	112,	9 rather bare.	6 Feet × 3 Feet =	7	16,	25 rather bare.
" × " =	2	56,	14 rather bare.	" × " =	8	14,	26 bare.
" × " =	3	37,3333	17 bare.	" × " =	9	12,4444	27 bare.
" × " =	4	28,	20 bare.	" × " =	10	11,2	28 bare.
" × " =	5	22,4	22 rather bare.	" × " =	11	10,1818	29 rather full.
" × " =	6	18,6666	24 full.	" × " =	12	9,3333	30 full.



SHORT WEIGHT INTO LONG.

Short Weight.			Long Weight.			Short Weight.			Long Weight.			Short Weight.			Long Weight.			Short Weight.			Long Weight.			Short Weight.			Long Weight.									
Cwt.	Qrs.		Cwt.	Qrs.	Lbs.	Cwt.	Qrs.		Cwt.	Qrs.	Lbs.	Cwt.	Qrs.		Cwt.	Qrs.	Lbs.	Cwt.	Qrs.		Cwt.	Qrs.	Lbs.	Cwt.	Qrs.		Tons.	Cwt.	Qrs.	Lbs.	Tons.	Cwt.	Qrs.	Lbs.		
∞	1	∞	∞	∞	28	4	0	3	2	28	7	3	7	0	28	11	2	10	2	28	15	1	14	0	28	19	0	∞	17	2	28	12	11	4	0	0
∞	2	∞	∞	1	26	4	1	3	3	26	8	0	7	1	26	11	3	10	3	26	15	1	14	1	26	19	1	∞	17	3	26	13	12	2	2	20
∞	3	∞	∞	2	24	4	2	4	0	24	8	1	7	2	24	12	0	11	0	24	15	3	14	2	24	19	2	∞	18	0	24	14	13	1	1	10
∞	0	∞	∞	3	22	4	3	4	1	22	8	2	7	3	22	12	1	11	1	22	16	0	14	3	22	19	3	∞	18	1	22	15	14	0	0	0
1	1	1	0	20	5	0	4	2	20	8	3	8	8	0	20	12	2	11	2	20	16	1	15	0	20	20	0	∞	18	2	20	16	14	18	2	20
1	2	1	1	18	5	1	4	3	18	9	0	8	8	1	18	12	3	11	3	18	16	2	15	1	18	40	0	1	17	1	10	17	15	17	1	10
1	3	1	2	16	5	2	5	0	16	9	1	8	8	2	16	13	0	12	0	16	16	3	15	2	16	60	0	2	16	0	0	18	16	16	0	0
2	0	1	3	14	5	3	5	1	14	9	2	8	8	3	14	13	1	12	1	14	17	0	15	3	14	80	0	3	14	2	20	19	17	14	2	20
2	1	2	0	12	6	0	5	2	12	9	3	9	9	0	12	13	2	12	2	12	17	1	16	0	12	100	0	4	13	1	10	20	18	13	1	10
2	2	2	1	10	6	1	5	3	10	10	0	9	9	1	10	13	3	12	3	10	17	2	16	1	10	120	0	5	12	0	0	21	19	12	0	0
2	3	2	2	8	6	2	6	0	8	10	1	9	9	2	8	14	0	13	0	8	17	3	16	2	8	140	0	6	10	2	20	22	20	10	2	20
3	0	2	3	6	6	3	6	1	6	10	2	9	9	3	6	14	1	13	1	6	18	0	16	3	6	160	0	7	9	1	10	23	21	9	1	10
3	1	3	0	4	7	0	6	2	4	10	3	10	10	0	4	14	2	13	2	4	18	1	17	0	4	180	0	8	8	0	0	24	22	8	0	0
3	2	3	1	2	7	1	6	3	2	11	0	10	10	1	2	14	3	13	3	2	18	2	17	1	2	200	0	9	6	2	20	25	23	6	2	20
3	3	3	2	0	7	2	7	0	0	11	1	10	10	2	0	15	0	14	0	0	18	3	17	2	0	220	0	10	5	1	10	26	24	5	1	10

SHORT WEIGHT INTO LONG.

LONG WEIGHT INTO SHORT.

Short Weight					Long Weight.					Short Weight.					Long Weight.					Short Weight.					Long Weight.					Short Weight.					Long Weight.				
Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.		
27	25	4	0	0	42	39	4	0	0	57	53	4	0	0	90	84	0	0	0	0	1	∞	1	2	4	0	4	1	4	7	3	8	1	6	11	2	12	1	8
28	26	2	2	20	43	40	2	2	20	58	54	2	2	20	100	93	6	2	20	0	2	∞	2	4	4	1	4	2	6	8	0	8	2	8	11	3	12	2	10
29	27	1	1	10	44	41	1	1	10	59	55	1	1	10	200	186	13	1	10	0	3	∞	3	6	4	2	4	3	8	8	1	8	3	10	12	0	12	3	12
30	28	0	0	0	45	42	0	0	0	60	56	0	0	0	300	280	0	0	0	1	0	1	0	8	4	3	5	0	10	8	2	9	0	12	12	1	13	0	14
31	28	18	2	20	46	42	18	2	20	61	56	18	2	20	400	373	6	2	20	1	1	1	1	10	5	0	5	1	12	8	3	9	1	14	12	2	13	1	16
32	29	17	1	10	47	43	17	1	10	62	57	17	1	10	500	466	13	1	10	1	2	1	2	12	5	1	5	2	14	9	0	9	2	16	12	3	13	2	18
33	30	16	0	0	48	44	16	0	0	63	58	16	0	0	600	560	0	0	0	1	3	1	3	14	5	2	5	3	16	9	1	9	3	18	13	0	13	3	20
34	31	14	2	20	49	45	14	2	20	64	59	14	2	20	700	653	6	2	20	2	0	2	0	16	5	3	6	0	18	9	2	10	0	20	13	1	14	0	22
35	32	13	1	10	50	46	13	1	10	65	60	13	1	10	800	746	13	1	10	2	1	2	1	18	6	0	6	1	20	9	3	10	1	22	13	2	14	1	24
36	33	12	0	0	51	47	12	0	0	66	61	12	0	0						2	2	2	2	20	6	1	6	2	22	10	0	10	2	24	13	3	14	2	26
37	34	10	2	20	52	48	10	2	20	67	62	10	2	20						2	3	2	3	22	6	2	6	3	24	10	1	10	3	26	14	0	15	0	0
38	35	9	1	10	53	49	9	1	10	68	63	9	1	10						3	0	3	0	24	6	3	7	0	26	10	2	11	1	0	14	1	15	1	2
39	36	8	0	0	54	50	8	0	0	69	64	8	0	0						3	1	3	1	26	7	0	7	2	0	10	3	11	2	2	14	2	15	2	4
40	37	6	2	20	55	51	6	2	20	70	65	6	2	20						3	2	3	3	0	7	1	7	3	2	11	0	11	3	4	14	3	15	3	6
41	38	5	1	10	56	52	5	1	10	80	74	13	1	10						3	3	4	0	2	7	2	8	0	4	11	1	12	0	6	15	0	16	0	8



LONG WEIGHT INTO SHORT.

Long Weight.		Short Weight.			Long Weight.		Short Weight.				Long Weight.		Short Weight.				Long Weight.		Short Weight.				Long Weight.		Short Weight.										
Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.
15	1	16	1	10	19	0	1	0	1	12	12	12	17	0	16	27	28	18	2	8	42	45	0	0	0	57	61	1	1	20	90	96	8	2	8
15	2	16	2	12	19	1	1	0	2	14	13	13	18	2	8	28	30	0	0	0	43	46	1	1	20	58	62	2	3	12	100	107	2	3	12
15	3	16	3	14	19	2	1	0	3	16	14	15	0	0	0	29	31	1	1	20	44	47	2	3	12	59	63	4	1	4	200	214	5	2	24
16	0	17	0	16	19	3	1	1	0	18	15	16	1	1	20	30	32	2	3	12	45	48	4	1	4	60	64	5	2	24	300	321	8	2	8
16	1	17	1	18	20	0	1	1	1	20	16	17	2	3	12	31	33	4	1	4	46	49	5	2	24	61	65	7	0	16	400	428	11	1	20
16	2	17	2	20	20	0	2	2	3	12	17	18	4	1	4	32	34	5	2	24	47	50	7	0	16	62	66	8	2	8	500	535	14	1	4
16	3	17	3	22	20	0	3	4	1	4	18	19	5	2	24	33	35	7	0	16	48	51	8	2	8	63	67	10	0	0	600	642	17	0	16
17	0	18	0	24	80	0	4	5	2	24	19	20	7	0	16	34	36	8	2	8	49	52	10	0	0	64	68	11	1	20	700	750	0	0	0
17	1	18	1	26	100	0	5	7	0	16	20	21	8	2	8	35	37	10	0	0	50	53	11	1	20	65	69	12	3	12	800	857	2	3	12
17	2	18	2	0	120	0	6	8	2	8	21	22	10	0	0	36	38	11	1	20	51	54	12	3	12	66	70	14	1	4					
17	3	19	0	2	140	0	7	10	0	0	22	23	11	1	20	37	39	12	3	12	52	55	14	1	4	67	71	15	2	24					
18	0	19	1	4	160	0	8	11	1	20	23	24	12	3	12	38	40	14	1	4	53	56	15	2	24	68	72	17	0	16					
18	1	19	2	6	180	0	9	12	3	12	24	25	14	1	4	39	41	15	2	24	54	57	17	0	16	69	73	18	2	8					
18	2	19	3	8	200	0	10	14	1	4	25	26	15	2	24	40	42	17	0	16	55	58	18	2	8	70	75	0	0	0					
18	3	20	0	10	220	0	11	15	2	24	26	27	17	0	16	41	43	18	2	8	56	60	0	0	0	80	85	14	1	4					









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