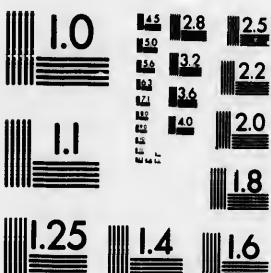
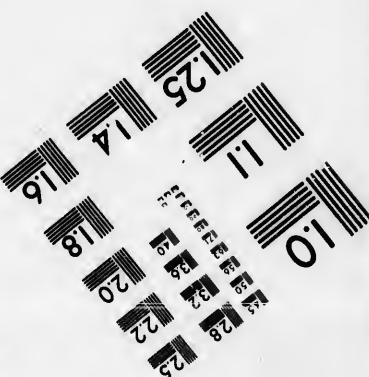
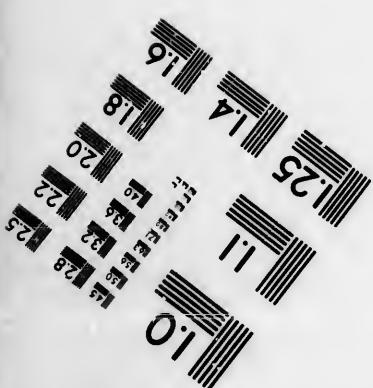


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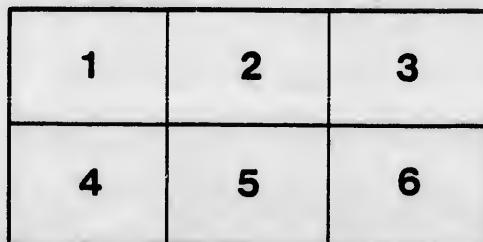
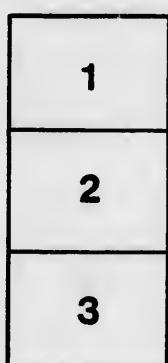
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THE following extract from a letter received from Jonathan Child, Esq., late Mayor of the city of Rochester, has induced me to offer to the public a Second Edition of my Pocket Reckoner.

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"JONATHAN CHILD."

"The statement of Mr. Child can be relied upon, and from my own knowledge of Mr. Doyle's qualifications as an accountant I concur in his recommendation.

W.M. C. BOUCK."

The accuracy of the calculations can be relied on, as they have been tested in an extensive business for several years, and will be found very convenient to persons dealing in any of those articles, or hiring men for any purpose, as they will at all times afford a correctness not readily acquired by hasty calculation.

THE AUTHOR.

## TIMBER MEASURE.

THE following Table gives the number of feet, inches and parts, contained in a stick of Timber of any dimension, from 18 to 36 feet long, and from 9 to 24 inches square.

The column on the left, from 18 to 36, is intended for the length of a piece of Timber, and the caption for the breadth and depth. Example — A stick of Timber 23 feet long, 15 inches broad, and 14 inches thick: to find its contents, refer to the column on the left for the length 23 feet; then on a line immediately under its dimension 14 by 15, you find the contents to be 33 feet, 6 inches, and 6 parts. Where the contents of a larger stick is required, than given in the Table; for instance, 45 feet, take the amount of 23 and 22 feet of the dimension required, add them together, and you have the contents of a stick 45 feet long. If the breadth or depth is not on the Table, where the length is given; for

instance, 10 by 8, take the amount of 10 by 16 of the same length; as 10 by 16 is twice 10 by 8, you have only to divide 10 by 16 by 2, and you have the quantity contained in a stick of 10 by 8. Where neither the breadth nor depth is in the Table; for instance, 7 by 8, find out the quantity in a stick of the same length, 14 by 16, divide them by 4, and you have the contents required.

The contents of a stick of round Timber, when squared, can be ascertained, with a small variation, by the same Table. Where the stick is of equal diameter, gird it in the middle with a small cord, and take 1-5 of the girt for the square of the side; where it is tapering, gird it in two or more places, and divide the sum of the girt for the mean girt, which when found, 1-5 will be the side of the square, the contents of which will be nearly the same as a stick of square Timber of the same dimensions.

## T I M B E R.

## Square of the Side in Inches.

Length in Feet.	9 by 9			9 by 10			9 by 11			9 by 12		
	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.
18	10	1	6	11	3	0	12	4	6	13	6	0
19	10	8	3	11	10	6	13	0	9	14	3	0
20	11	3	0	12	6	0	13	9	0	15	0	0
21	11	9	9	13	1	6	14	5	3	15	9	0
22	12	4	6	13	9	0	15	1	6	16	6	0
23	12	11	3	14	4	6	15	9	9	17	3	0
24	13	6	0	15	0	0	16	6	0	18	0	0
25	14	0	9	15	7	6	17	2	3	18	9	0
26	14	7	6	16	3	0	17	10	6	19	6	0
27	15	2	3	16	10	6	18	6	9	20	3	0
28	15	9	0	17	6	0	19	3	0	21	0	0
29	16	3	9	18	1	6	19	11	3	21	9	0
30	16	10	6	18	9	0	20	7	6	22	6	0
31	17	5	3	19	4	6	21	3	9	23	3	0
32	18	0	0	20	0	0	22	0	0	24	0	0
33	18	6	9	20	7	6	22	8	3	24	9	0
34	19	1	6	21	3	0	23	4	6	25	6	0
35	19	8	3	21	10	6	24	0	9	26	3	0
36	20	3	0	22	6	0	24	9	0	27	0	0

## TIMBER.

## Square of the Side in Inches.

Length in Feet.	9 by 13			9 by 14			9 by 15			9 by 16		
	Feet.	Inches.	Parts.									
18	14	7	6	15	9	0	16	10	6	18	0	0
19	15	5	3	16	7	6	17	9	9	19	0	0
20	16	3	0	17	6	0	18	9	0	20	0	0
21	17	0	9	18	4	6	19	8	3	21	0	0
22	17	10	6	19	3	0	20	7	6	22	0	0
23	18	8	3	20	1	6	21	6	9	23	0	0
24	19	6	0	21	0	0	22	6	0	24	0	0
25	20	3	9	21	10	6	23	5	3	25	0	0
26	21	1	6	22	9	0	24	4	6	26	0	0
27	21	11	3	23	7	6	25	3	9	27	0	0
28	22	9	0	24	6	0	26	3	0	28	0	0
29	23	6	9	25	4	6	27	2	3	29	0	0
30	24	4	6	26	3	0	28	1	6	30	0	0
31	25	2	3	27	1	6	29	0	9	31	0	0
32	26	0	0	28	0	0	30	0	0	32	0	0
33	26	9	9	28	10	6	30	11	3	33	0	0
34	27	7	6	29	9	0	31	10	6	34	0	0
35	28	5	3	30	7	6	32	9	9	35	0	0
36	29	3	0	31	6	0	33	9	0	36	0	0

## TIMBER.

Square of the Side in Inches.

9 by 17 | 9 by 18 | 9 by 19 | 9 by 20

Length in Feet.	Square of the Side in Inches.										
	9 by 17	9 by 18	9 by 19	9 by 20							
Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.
18	19	1 6	20	3	0	21	4	6	22	6	0
19	20	2 3	21	4	6	22	6	9	23	9	0
20	21	3 0	22	6	0	23	9	0	25	0	0
21	22	3 9	23	7	6	24	11	3	26	3	0
22	23	4 6	24	9	0	26	1	6	27	6	0
23	24	5 3	25	10	6	27	3	9	28	9	0
24	25	6 0	27	0	0	28	6	0	30	0	0
25	26	6 9	28	1	6	29	8	3	31	3	0
26	27	7 6	29	3	0	30	10	6	32	6	0
27	28	8 3	30	4	6	32	0	9	33	9	0
28	29	9 0	31	6	0	33	3	0	35	0	0
29	30	9 9	32	7	6	34	5	3	36	3	0
30	31	10 6	33	9	0	35	7	6	37	6	0
31	32	11 3	34	10	6	36	9	9	38	9	0
32	34	0 0	36	0	0	38	0	0	40	0	0
33	35	0 9	37	1	6	39	2	3	41	3	0
34	36	1 6	38	3	0	40	4	6	42	6	0
35	37	2 3	39	4	6	41	6	9	43	9	0
36	38	3 0	40	6	0	42	9	0	45	0	0

## TIMBER.

Square of the Side in Inches.

Length in Feet.				9 by 21				10 by 10				10 by 11				10 by 12			
	Feet.	Inches.	Parts.		Feet.	Inches.	Parts.		Feet.	Inches.	Parts.		Feet.	Inches.	Parts.		Feet.	Inches.	Parts.
18	23	7	6	12	6	0		13	9	0		15	0	0					
19	24	11	3	13	2	4		14	6	2		15	10	0					
20	26	3	0	13	10	8		15	3	4		16	8	0					
21	27	6	9	14	7	0		16	0	6		17	6	0					
22	28	10	6	15	3	4		16	9	8		18	4	0					
23	30	2	3	15	11	8		17	6	10		19	2	0					
24	31	6	0	16	8	0		18	4	0		20	0	0					
25	32	9	9	17	4	4		19	1	2		20	10	0					
26	34	1	6	18	0	8		19	10	4		21	8	0					
27	35	5	3	18	9	0		20	7	6		22	6	0					
28	36	9	0	19	5	4		21	4	8		23	4	0					
29	38	0	9	20	1	8		22	1	10		24	2	0					
30	39	4	6	20	10	0		22	11	0		25	0	0					
31	40	8	3	21	6	4		23	8	2		25	10	0					
32	42	0	0	22	2	8		24	5	4		26	8	0					
33	43	3	9	22	11	0		25	2	6		27	6	0					
34	44	7	6	23	7	4		25	11	8		28	4	0					
35	45	11	3	24	3	8		26	8	10		29	2	0					
36	47	3	0	25	0	0		27	6	0		30	0	0					

## T I M B E R.

Square of the Side in Inches.

10 by 13 | 10 by 14 | 10 by 15 | 10 by 16

Length in Feet.	10 by 13			10 by 14			10 by 15			10 by 16		
	Feet.	Inches.	Parts.									
18	16	3	0	17	6	0	18	9	0	20	0	0
19	17	1	10	18	5	8	19	9	6	21	1	4
20	18	0	8	19	5	4	20	10	0	22	2	8
21	18	11	6	20	5	0	21	10	6	23	4	0
22	19	10	4	21	4	8	22	11	0	24	5	4
23	20	9	2	22	4	4	23	11	6	25	6	8
24	21	8	0	23	4	0	25	0	0	26	8	0
25	22	6	10	24	3	8	26	0	6	27	9	4
26	23	5	8	25	3	4	27	1	0	28	10	8
27	24	4	6	26	3	0	28	1	6	30	0	0
28	25	3	4	27	2	8	29	2	0	31	1	4
29	26	2	2	28	2	4	30	2	6	32	2	8
30	27	1	0	29	2	0	31	3	0	33	4	0
31	27	11	10	30	1	8	32	3	6	34	5	4
32	28	10	8	31	1	4	33	4	0	35	6	8
33	29	9	6	32	1	0	34	4	6	36	8	0
34	30	8	4	33	0	8	35	5	0	37	9	4
35	31	7	2	34	0	4	36	5	6	38	10	8
36	32	6	0	35	0	0	37	6	0	40	0	0

## TIMBER.

Length in Feet,	Square of the Side in Inches.			
	10 by 17	10 by 18	10 by 19	10 by 20
Feet, Inches, Parts.	Feet, Inches, Parts.	Feet, Inches, Parts.	Feet, Inches, Parts.	
18	21 3 0	22 6 0	23 9 0	25 0 0
19	22 5 2	23 9 0	25 0 10	26 4 8
20	23 7 4	25 0 0	26 4 8	27 9 4
21	24 9 6	26 3 0	27 8 6	29 2 0
22	25 11 8	27 6 0	29 0 4	30 6 8
23	27 1 10	28 9 0	30 4 2	31 11 4
24	28 4 0	30 0 0	31 8 0	33 4 0
25	29 6 2	31 3 0	32 11 10	34 8 8
26	30 8 4	32 6 0	34 3 8	36 1 4
27	31 10 6	33 9 0	35 7 6	37 6 0
28	33 0 8	35 0 0	36 11 4	38 10 8
29	34 2 10	36 3 0	38 3 2	40 3 4
30	35 5 0	37 6 0	39 7 0	41 8 0
31	36 7 2	38 9 0	40 10 10	43 0 8
32	37 9 4	40 0 0	42 2 8	44 5 4
33	38 11 6	41 3 0	43 6 6	45 10 0
34	40 1 8	42 6 0	44 10 4	47 2 8
35	41 3 10	43 9 0	46 2 2	48 7 4
36	42 6 0	45 0 0	47 6 0	50 0 0

## T I M B E R.

## Square of the Side in Inches.

Length in Feet.	10 by 21			11 by 11			11 by 12			11 by 13		
	Feet.	Inches.	Parts.									
18	26	3	0	15	1	6	16	6	0	17	10	6
19	27	8	6	15	11	7	17	5	0	18	10	5
20	29	2	0	16	9	8	18	4	0	19	10	4
21	30	7	6	17	7	9	19	3	0	20	10	3
22	32	1	0	18	5	10	20	2	0	21	10	2
23	33	6	6	19	3	11	21	1	0	22	10	1
24	35	0	0	20	2	0	22	0	0	23	10	0
25	36	5	6	21	0	1	22	11	0	24	9	11
26	37	11	0	21	10	2	23	10	0	25	9	10
27	39	4	6	22	8	3	24	9	0	26	9	9
28	40	10	0	23	6	4	25	8	0	27	9	8
29	42	3	6	24	4	5	26	7	0	28	9	7
30	43	9	0	25	2	6	27	6	0	29	9	6
31	45	2	6	26	0	7	28	5	0	30	9	5
32	46	8	0	26	10	8	29	4	0	31	9	4
33	48	1	6	27	8	9	30	3	0	32	9	3
34	49	7	0	28	6	10	31	2	0	33	9	2
35	51	0	6	29	4	11	32	1	0	34	9	1
36	52	6	0	30	3	0	33	0	0	35	9	0

## TIMBER.

## Square of the Side in Inches.

Length in Feet.	11 by 14			11 by 15			11 by 16			11 by 17		
	Feet.	Inches.	Parts.									
18	19	3	0	20	7	6	22	0	0	23	4	6
19	20	3	10	21	9	3	23	2	8	24	8	1
20	21	4	8	22	11	0	24	5	4	25	11	8
21	22	5	6	24	0	9	25	8	0	27	3	3
22	23	6	4	25	2	6	26	10	8	28	6	10
23	24	7	2	26	4	3	28	1	4	29	10	5
24	25	8	0	27	6	0	29	4	0	31	2	0
25	26	8	10	28	7	9	30	6	8	32	5	7
26	27	9	8	29	9	6	31	9	4	33	9	2
27	28	10	6	30	11	3	33	0	0	35	0	9
28	29	11	4	32	1	0	34	2	8	36	4	4
29	31	0	2	33	2	9	35	6	4	37	7	11
30	32	1	0	34	4	6	36	8	0	38	11	6
31	33	1	10	35	5	3	37	10	8	40	3	1
32	34	2	8	36	8	0	39	1	4	41	6	8
33	35	3	6	37	9	9	40	4	0	42	10	3
34	36	4	4	38	11	6	41	6	8	44	1	0
35	37	5	2	40	1	3	42	9	4	45	5	5
36	38	6	0	41	3	0	44	0	0	46	9	0

## T I M B E R .

## Square of the Side in Inches.

Length in Feet.	11 by 18			11 by 19			11 by 20			11 by 21		
	Feet.	Inches.	Parts.									
18	24	9	0	26	1	6	27	6	0	28	10	6
19	26	1	6	27	6	11	29	0	4	30	5	9
20	27	6	0	29	0	4	30	6	8	32	1	0
21	28	10	6	30	5	9	32	1	0	33	8	3
22	30	3	0	31	11	2	33	7	4	35	3	6
23	31	7	6	33	4	7	35	1	8	36	10	9
24	33	0	0	34	10	0	36	8	0	38	6	0
25	34	4	6	36	3	5	38	2	4	40	1	3
26	35	9	0	37	8	10	39	8	8	41	8	6
27	37	1	6	39	2	3	41	3	0	43	3	9
28	38	6	0	40	7	8	42	9	4	44	11	0
29	39	10	6	42	1	1	44	3	8	46	6	3
30	41	3	0	43	6	6	45	10	0	48	1	6
31	42	7	6	44	11	11	47	4	4	49	8	9
32	44	0	0	46	5	3	48	10	8	51	4	0
33	45	4	6	47	10	9	50	5	0	52	11	3
34	46	9	0	49	4	12	51	11	4	54	6	6
35	48	1	6	50	9	7	53	5	8	56	1	9
36	49	6	0	52	3	0	55	0	0	57	9	0

## T I M B E R .

## Square of the Side in Inches.

12 by 12	12 by 13	12 by 14	12 by 15
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Length in Feet.	12 by 12			12 by 13			12 by 14			12 by 15		
	Feet.	Inches.	Parts.									
18	18	0	0	19	6	0	21	0	0	22	6	0
19	19	0	0	20	7	0	22	2	0	23	9	0
20	20	0	0	21	8	0	23	4	0	25	0	0
21	21	0	0	22	9	0	24	6	0	26	3	0
22	22	0	0	23	10	0	25	8	0	27	6	0
23	23	0	0	24	11	0	26	10	0	28	9	0
24	24	0	0	26	0	0	28	0	0	30	0	0
25	25	0	0	27	1	0	29	2	0	31	3	0
26	26	0	0	28	2	0	30	4	0	32	6	0
27	27	0	0	29	3	0	31	6	0	33	9	0
28	28	0	0	30	4	0	32	8	0	35	0	0
29	29	0	0	31	5	0	33	10	0	36	3	0
30	30	0	0	32	6	0	35	0	0	37	6	0
31	31	0	0	33	7	0	36	2	0	38	9	0
32	32	0	0	34	8	0	37	4	0	40	0	0
33	33	0	0	35	9	0	38	6	0	41	3	0
34	34	0	0	36	10	0	39	8	0	42	6	0
35	35	0	0	37	11	0	40	10	0	43	9	0
36	36	0	0	39	0	0	42	0	0	45	0	0

## TIMBER.

Square of the Side in Inches.

	12 by 16			12 by 17			12 by 18			12 by 19			
Length in Feet.	Feet.	Inches.	Parts.										
22	6	0		18	24	0	0	25	6	0	27	0	0
23	9	0		19	25	4	0	26	11	0	28	6	0
25	0	0		20	26	8	0	28	4	0	30	0	0
26	3	0		21	28	0	0	29	9	0	31	6	0
27	6	0		22	29	4	0	31	2	0	33	3	0
28	9	0		23	30	8	0	32	7	0	34	10	0
30	0	0		24	32	0	0	34	0	0	36	5	0
31	3	0		25	33	4	0	35	5	0	37	6	0
32	6	0		26	34	8	0	36	10	0	39	7	0
33	9	0		27	36	0	0	38	3	0	41	2	0
35	0	0		28	37	4	0	39	8	0	42	9	0
36	3	0		29	38	8	0	41	1	0	44	4	0
37	6	0		30	40	0	0	42	6	0	45	11	0
38	9	0		31	41	4	0	43	11	0	47	6	0
0	0	0		32	42	8	0	45	4	0	49	1	0
1	3	0		33	42	0	0	45	9	0	50	8	0
2	6	0		34	45	4	0	48	2	0	52	3	0
3	9	0		35	46	8	0	49	7	0	53	10	0
5	0	0		36	48	0	0	51	0	0	55	5	0
					51	0	0	52	6	0	57	0	0
					54	0	0	54	0	0	57	0	0

## T I M B E R .

Square of the Side in Inches.

12 by 20 | 12 by 21 | 12 by 22 | 12 by 23

Length in Feet.	12 by 20			12 by 21			12 by 22			12 by 23		
	Feet.	Inches.	Parts.									
18	30	0	0	31	6	0	33	0	0	34	6	0
19	31	8	0	33	3	0	34	10	0	36	5	0
20	33	4	0	35	0	0	36	8	0	38	4	0
21	35	0	0	36	9	0	38	6	0	40	3	0
22	36	8	0	38	6	0	40	4	0	42	2	0
23	38	4	0	40	3	0	42	2	0	44	1	0
24	40	0	0	42	0	0	44	0	0	46	0	0
25	41	8	0	43	9	0	45	10	0	47	11	0
26	43	4	0	45	6	0	47	8	0	49	10	0
27	45	0	0	47	3	0	49	6	0	51	9	0
28	46	8	0	49	0	0	51	4	0	53	8	0
29	48	4	0	50	9	0	53	2	0	55	7	0
30	50	0	0	52	6	0	55	0	0	57	6	0
31	51	8	0	54	3	0	56	10	0	59	5	0
32	53	4	0	56	0	0	58	8	0	61	4	0
33	55	0	0	57	9	0	60	6	0	63	3	0
34	56	8	0	59	6	0	62	4	0	65	2	0
35	58	4	0	61	3	0	64	2	0	67	1	0
36	60	0	0	63	0	0	66	0	0	69	0	0

## T I M B E R.

## Square of the Side in Inches.

Length in Feet.			12 by 24			13 by 13			13 by 14			13 by 15		
Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.
34	6	0	18	36	0	21	1	6	22	9	0	24	4	6
36	5	0	19	38	0	22	3	7	24	0	2	25	8	9
38	4	0	20	40	0	23	5	8	25	3	4	27	1	0
40	3	0	21	42	0	24	7	9	26	6	6	28	5	3
42	2	0	22	44	0	25	9	10	27	9	8	39	9	6
44	1	0	23	46	0	26	11	11	29	0	10	31	1	9
46	0	0	24	48	0	28	2	0	30	4	0	32	6	0
47	11	0	25	50	0	29	4	1	31	7	2	33	10	3
49	10	0	26	52	0	30	6	2	32	10	4	35	2	6
51	9	0	27	54	0	31	8	3	34	1	6	36	6	9
53	8	0	28	56	0	32	10	4	35	4	8	37	11	0
55	7	0	29	58	0	34	0	5	36	7	10	39	3	3
57	6	0	30	60	0	35	2	6	37	11	0	40	7	6
59	5	0	31	62	0	36	4	7	39	2	2	41	11	9
61	4	0	32	64	0	37	6	8	40	5	4	43	4	0
63	3	0	33	66	0	38	8	9	41	8	6	44	8	3
65	2	0	34	68	0	39	10	10	42	11	8	46	0	6
67	1	0	35	70	0	41	0	11	44	2	10	47	4	9
69	0	0	36	72	0	42	3	0	45	6	0	48	9	0

## TIMBER.

Square of the Side in Inches.

13 by 16 | 13 by 17 | 13 by 18 | 13 by 19

Length in Feet.	Square of the Side in Inches.											
	13 by 16			13 by 17			13 by 18			13 by 19		
Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.
18	26	0	0	27	7	6	29	3	0	30	10	6
19	27	5	4	29	1	11	30	10	6	32	7	1
20	28	10	8	30	8	4	32	6	0	34	3	8
21	30	4	0	32	2	9	34	1	6	36	0	3
22	31	9	4	33	9	2	35	9	0	37	8	10
23	33	2	8	35	3	7	37	4	6	39	5	5
24	34	8	0	36	10	0	39	0	0	41	2	0
25	36	1	4	38	4	5	40	7	6	42	10	7
26	37	6	8	39	10	10	42	3	0	44	7	2
27	39	0	0	41	5	3	43	10	6	46	3	9
28	40	5	4	42	11	8	45	6	0	48	0	4
29	41	10	8	44	6	1	47	1	6	49	8	11
30	43	4	0	46	0	6	48	9	0	51	5	6
31	44	9	4	47	6	11	50	4	6	53	2	1
32	46	2	8	49	1	4	52	0	0	54	10	8
33	47	8	0	50	7	9	53	7	6	56	7	3
34	49	1	4	52	2	2	55	3	0	58	3	10
35	50	6	8	53	8	7	56	10	6	60	0	5
36	52	0	0	55	3	0	58	6	0	61	9	0

## TIMBER.

Square of the Side in Inches.

Length in Feet.			13 by 20			13 by 21			13 by 22			13 by 23		
Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.
18	32	6 0	34	1	6	35	9	0	37	4	6			
19	34	3 8	36	0	3	37	8	10	39	5	5			
20	36	1 4	37	11	0	39	8	8	41	6	4			
21	37	11 0	39	9	9	41	8	6	43	7	3			
22	39	8 8	41	8	6	43	8	4	45	8	2			
23	41	6 4	43	7	3	45	8	2	47	9	1			
24	43	4 0	45	6	0	47	8	0	49	10	0			
25	45	1 8	47	4	9	49	7	10	51	10	11			
26	46	11 4	49	3	6	51	7	8	53	11	10			
27	48	9 0	51	2	3	53	7	6	56	0	9			
28	50	6 8	53	1	0	55	7	4	58	1	8			
29	52	4 4	54	11	9	57	7	2	60	2	7			
30	54	2 0	56	10	6	59	7	0	62	3	6			
31	55	11 8	58	9	3	61	6	10	64	4	5			
32	57	9 4	60	8	0	63	6	8	66	5	4			
33	59	7 0	62	6	9	65	6	6	68	6	3			
34	61	4 8	64	5	6	67	6	4	70	7	2			
35	63	2 4	66	4	3	69	6	2	72	8	1			
36	65	0 0	68	3	0	71	6	0	74	9	0			

## TIMBER.

## Square of the Side in Inches.

	13 by 24	14 by 14	14 by 15	14 by 16
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Length in Feet.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.
18	39 0 0	24 6 0	26 3 0	28 0 0
19	41 2 0	25 10 4	27 8 6	29 6 8
20	43 4 0	27 2 8	29 2 0	31 1 4
21	45 6 0	28 7 0	30 7 6	32 8 0
22	47 8 0	29 11 4	32 1 0	34 2 8
23	49 10 0	31 3 8	33 6 6	35 9 4
24	52 0 0	32 8 0	35 0 0	37 4 0
25	54 2 0	34 0 4	36 5 6	38 10 8
26	56 4 0	35 4 8	37 11 0	40 5 4
27	68 6 0	36 9 0	39 4 6	42 0 0
28	60 8 0	38 1 4	40 10 0	43 6 8
29	62 10 0	39 5 8	42 3 6	45 1 4
30	65 0 0	40 10 0	43 9 0	46 8 0
31	67 2 0	42 2 4	45 2 6	48 2 8
32	69 4 0	43 6 8	46 8 0	49 9 4
33	71 6 0	44 11 0	48 1 6	51 5 0
34	73 8 0	46 3 4	49 7 0	52 10 8
35	75 10 0	47 7 8	51 0 6	54 5 4
36	78 0 0	49 0 0	52 6 0	56 0 0

## TIMBER.

Square of the Side in Inches.

Length in Feet.			14 by 17			14 by 18			14 by 19			14 by 20			
Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	
28	0	0	18	29	9	0	31	6	0	33	3	0	35	0	0
29	6	8	19	31	4	10	33	3	0	35	1	2	36	11	4
31	1	4	20	33	0	8	35	0	0	36	11	4	38	10	8
32	8	0	21	34	8	6	36	9	0	38	9	6	40	10	0
34	2	8	22	36	4	4	38	6	0	40	7	8	42	9	4
35	9	4	23	38	0	2	40	3	0	42	5	10	44	8	8
37	4	0	24	39	8	0	42	0	0	44	4	0	46	8	0
38	10	8	25	41	3	10	43	9	0	46	2	2	48	7	4
40	5	4	26	42	11	8	45	6	0	48	0	4	50	6	8
42	0	0	27	44	7	6	47	3	0	49	10	6	52	6	0
43	6	8	28	46	3	4	49	0	0	51	8	8	54	5	4
45	1	4	29	47	11	2	50	9	0	53	6	10	56	4	8
46	8	0	30	49	7	0	52	6	0	55	5	0	58	4	0
48	2	8	31	51	2	10	54	3	0	57	3	2	60	3	4
49	9	4	32	52	10	8	56	0	0	59	1	4	62	2	8
51	5	0	33	54	6	6	57	9	0	60	11	6	64	2	0
52	10	8	34	56	2	4	59	6	0	62	9	8	66	1	4
54	5	4	35	57	10	2	61	3	0	64	7	10	68	0	8
56	0	0	36	59	6	0	63	0	0	66	6	0	70	0	0

## Length in Feet.

## TIMBER.

## Square of the Side in Inches.

14 by 21	14 by 22	14 by 23	14 by 24
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	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.
18	36 9 0	38 6 0	40 3 0	42 0 0	18
19	38 9 6	40 7 8	42 5 10	44 4 0	19
20	40 10 0	42 9 4	44 8 8	46 8 0	20
21	42 10 6	44 11 0	46 11 6	49 0 0	21
22	44 11 0	47 0 8	49 2 4	51 4 0	22
23	46 11 6	49 2 4	51 5 2	53 8 0	23
24	49 0 0	51 4 0	53 8 0	56 0 0	24
25	51 0 6	53 5 8	55 10 10	58 4 0	25
26	53 1 0	55 7 4	58 1 8	60 8 0	26
27	55 1 6	57 9 0	60 4 6	63 0 0	27
28	57 2 0	59 10 8	62 7 4	65 4 0	28
29	59 2 6	62 0 4	64 10 2	67 8 0	29
30	61 3 0	64 2 0	67 1 0	70 0 0	30
31	63 3 6	66 3 8	69 3 10	72 4 0	31
32	65 4 0	68 5 4	71 6 8	74 8 0	32
33	67 4 6	70 7 0	73 9 6	77 0 0	33
34	69 5 0	72 8 8	76 0 4	79 4 0	34
35	71 5 6	74 10 4	78 3 2	81 8 0	35
36	73 6 0	77 0 0	80 6 0	84 0 0	36

## T I M B E R .

Square of the Side in Inches.

	ches.
14	by 24
Feet.	Inches.
42	0 0
44	4 0
46	8 0
49	0 0
51	4 0
53	8 0
56	0 0
58	4 0
60	8 0
63	0 0
65	4 0
67	8 0
70	0 0
72	4 0
74	8 0
77	0 0
79	4 0
81	8 0
84	0 0

Length in Feet.	15 by 15			15 by 16			15 by 17			15 by 18		
	Feet.	Inches.	Parts.									
18	28	1	6	30	0	0	31	10	6	33	9	0
19	29	8	3	31	8	0	33	7	9	35	7	6
20	31	3	0	33	4	0	35	5	0	37	6	0
21	32	9	9	35	0	0	37	2	3	39	4	6
22	34	4	6	36	8	0	38	11	6	41	3	0
23	55	11	3	38	4	0	40	8	9	43	1	6
24	37	6	0	40	0	0	42	6	0	45	0	0
25	39	0	9	41	8	0	44	3	3	46	10	6
26	40	7	6	43	4	0	46	0	6	48	9	0
27	42	2	3	45	0	0	47	9	9	50	7	6
28	43	9	0	46	8	0	49	7	0	52	6	0
29	45	3	9	48	4	0	51	4	3	54	4	6
30	46	10	6	50	0	0	53	1	6	56	3	0
31	48	5	3	51	8	0	54	10	9	58	1	6
32	50	0	0	53	4	0	56	8	0	60	0	0
33	51	6	9	55	0	0	58	5	3	61	10	6
34	53	1	6	56	8	0	60	2	6	63	9	0
35	54	8	3	58	4	0	61	11	9	65	7	6
36	56	3	0	60	0	0	63	9	0	67	6	0

## TIMBER.

## Square of the Side in Inches.

Length in Feet.	15 by 19	15 by 20	15 by 21	15 by 22
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Length in Feet.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.
18	35 7 6	37 6 0	39 4 6	41 3 0
19	37 7 3	39 7 0	41 6 9	43 6 6
20	39 7 0	41 8 0	43 9 0	45 10 0
21	41 6 9	43 9 0	45 11 3	48 1 6
22	43 6 6	45 10 0	48 1 6	50 5 0
23	45 6 3	47 11 0	50 3 9	52 8 6
24	47 6 0	50 0 0	52 6 0	55 0 0
25	49 5 9	52 1 0	54 8 3	57 3 6
26	51 5 6	54 2 0	56 10 6	59 7 0
27	53 5 3	56 3 0	59 0 9	61 10 6
28	55 5 0	58 4 0	61 3 0	64 2 0
29	57 4 9	60 5 0	63 5 3	66 5 6
30	59 4 6	62 6 0	65 7 6	68 9 0
31	61 4 3	64 7 0	67 9 9	71 0 6
32	63 4 0	66 8 0	70 0 0	73 4 0
33	65 3 9	68 9 0	72 2 3	75 7 6
34	67 3 6	70 10 0	74 4 6	77 11 0
35	69 3 3	72 11 0	76 6 9	80 2 6
36	71 3 0	75 0 0	78 9 0	82 6 0

## TIMBER.

## Square of the Side in Inches.

Length in Feet.	15 by 23			15 by 24			16 by 16			16 by 17		
	Feet.	Inches.	Parts.									
18	43	1	6	45	0	0	32	0	0	34	0	0
19	45	6	3	47	6	0	33	9	4	35	10	8
20	47	11	0	50	0	0	35	6	8	37	9	4
21	50	3	9	52	6	0	37	4	0	39	8	0
22	52	8	6	55	0	0	39	1	4	41	6	3
23	55	1	3	57	6	0	40	10	8	43	5	4
24	57	6	0	60	0	0	42	8	0	45	4	0
25	59	10	9	62	6	0	44	5	4	47	2	8
26	62	3	6	65	0	0	46	2	8	49	1	4
27	64	8	3	67	6	0	48	0	0	51	0	0
28	67	1	0	70	0	0	49	9	4	52	10	8
29	69	5	9	72	6	0	51	6	8	54	9	4
30	71	10	6	75	0	0	53	4	0	56	8	0
31	74	3	3	77	6	0	55	1	4	58	6	8
32	76	8	0	80	0	0	56	10	8	60	5	4
33	79	0	9	82	6	0	58	8	0	62	4	0
34	81	5	6	85	0	0	60	5	4	64	2	8
35	83	10	3	87	6	0	62	2	8	66	1	4
36	86	3	0	90	0	0	64	0	0	68	0	0

## TIMBER.

## Square of the Side in Inches.

Length in Feet.	16 by 18	16 by 19	16 by 20	16 by 21
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Length in Feet.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.
18	36 0 0	38 0 0	40 0 0	42 0 0
19	38 0 0	40 1 4	42 2 8	44 4 0
20	40 0 0	42 2 8	44 5 4	46 8 0
21	42 0 0	44 4 0	46 8 0	49 0 0
22	44 0 0	46 5 4	48 10 8	51 4 0
23	46 0 0	48 6 8	51 1 4	53 8 0
24	48 0 0	50 8 0	53 4 0	56 0 0
25	50 0 0	52 9 4	55 6 8	58 4 0
26	52 0 0	54 10 8	57 9 4	60 8 0
27	54 0 0	57 0 0	60 0 0	63 0 0
28	56 0 0	59 1 4	62 2 8	65 4 0
29	58 0 0	61 2 8	64 5 4	67 8 0
30	60 0 0	63 4 0	66 8 0	70 0 0
31	62 0 0	65 5 4	68 10 8	72 4 0
32	64 0 0	67 6 8	71 1 4	74 8 0
33	66 0 0	69 8 0	73 4 0	77 0 0
34	68 0 0	71 9 4	75 6 8	79 4 0
35	70 0 0	73 10 8	77 9 4	81 8 0
36	72 0 0	76 0 0	80 0 0	84 0 0



## TIMBER.

## Square of the Side in Inches.

Length in Feet.	17 by 18	17 by 19	17 by 20	17 by 21
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Length in Feet.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.	Feet. Inches. Parts.
18	38 3 0	40 4 6	42 6 0	44 7 6
19	40 4 6	42 7 5	44 10 4	47 1 3
20	42 6 0	44 10 4	47 2 8	49 7 0
21	44 7 6	47 1 3	49 7 0	52 0 9
22	46 9 0	49 4 2	51 11 4	54 6 6
23	48 10 6	51 7 1	54 3 8	57 0 3
24	51 0 0	53 10 0	56 8 0	59 6 0
25	53 1 6	56 0 11	59 0 4	61 11 9
26	55 3 0	58 3 10	61 4 8	64 5 6
27	57 4 6	60 6 9	63 9 0	66 11 3
28	59 6 0	62 9 8	66 1 4	69 5 0
29	61 7 6	65 0 7	68 5 8	71 10 9
30	63 9 0	67 3 6	70 10 0	74 4 6
31	65 10 6	69 6 5	73 2 4	76 10 3
32	68 0 0	71 9 4	75 6 8	79 4 0
33	70 1 6	74 0 3	77 11 0	81 9 9
34	72 3 0	76 3 2	80 3 4	84 3 6
35	74 4 6	78 6 1	82 7 8	86 9 3
36	76 6 0	80 9 0	85 0 0	89 3 0

## T I M B E R.

## Square of the Side in Inches.

17 by 22 | 17 by 23 | 17 by 24 | 18 by 18

Length in Feet.	Square of the Side in Inches.										
	17 by 22	17 by 23	17 by 24								
Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.	Feet.	Inches.	Parts.
18	46	9 0	48	10 6		51	0 0		40	6 0	
19	49	4 2	51	7 1		53	10 0		42	9 0	
20	51	11 4	54	3 8		56	8 0		45	0 0	
21	54	6 6	57	0 3		59	6 0		47	3 0	
22	57	1 8	59	8 10		62	4 0		49	6 0	
23	59	8 10	62	5 5		65	2 0		51	9 0	
24	62	4 0	65	2 0		68	0 0		54	0 0	
25	64	11 2	67	10 7		70	10 0		56	3 0	
26	67	6 4	70	7 2		73	8 0		58	9 0	
27	70	1 6	73	3 9		76	6 0		60	6 0	
28	72	8 8	76	0 4		79	4 0		63	0 0	
29	75	3 10	78	8 11		82	2 0		65	3 0	
30	77	11 0	81	5 6		85	0 0		67	6 0	
31	80	6 2	84	2 1		87	10 0		69	9 0	
32	83	1 4	86	10 8		90	8 0		72	0 0	
33	85	8 6	89	7 3		93	6 0		74	3 0	
34	88	3 8	92	3 10		96	4 0		76	6 0	
35	90	10 10	95	0 5		99	2 0		78	9 0	
36	93	6 0	97	9 0	102	0 0		81	0 0		















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# S A W - L O G S

## REDUCED TO

# B O A R D M E A S U R E.

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The following Table gives the quantity of Boards produced from a Saw-Log of different dimensions. Example—I sell to a miller a Log 15 feet long, and 18 inches diameter at the small end, at a given price per thousand feet, board measure: to find the quantity of boards produced from a Log of that size, refer to the column on the left, and find the length 15 feet; and under the diameter 18 inches, you find the quantity to be 184 feet; fractions omitted.



**SAW-LOGS REDUCED TO BOARD  
MEASURE.**

Length in Feet. <i>Feet.</i>	Inches in diameter at small end.						
	21 <i>Feet.</i>	22 <i>Feet.</i>	23 <i>Feet.</i>	24 <i>Feet.</i>	25 <i>Feet.</i>	26 <i>Feet.</i>	27 <i>Feet.</i>
10	180	202	225	250	275	302	330
11	198	223	248	275	302	333	363
12	217	243	271	300	331	363	397
13	235	263	293	325	358	393	430
14	253	283	313	350	386	433	463
15	271	303	336	375	413	453	496
16	289	324	359	400	441	484	530
17	307	344	383	425	468	514	563
18	325	364	406	450	496	544	596
19	343	384	429	475	523	574	630
20	361	404	452	500	551	605	661
21	379	425	473	525	579	635	693
22	397	445	496	550	605	665	726
23	415	465	519	575	632	695	760
24	433	486	541	600	661	726	794
25	451	506	562	625	689	756	827



T A B L E  
O F  
B O A R D S A N D P L A N K .

The following Table gives the number of square feet and inches contained in a Board one inch thick, from 10 to 20 feet long, and from 6 to 24 inches broad; and from 21 to 55 feet long, and from 12 to 20 inches broad. The column on the left, is the length, and the caption the breadth in inches; under which, and opposite to the length of a board, you have its contents in feet and inches. Example—Require the contents of a Board 35 feet long and 20 inches broad; by reference, you will find it to be 58 feet, 4 inches.

In measuring Boards, it is not customary to add the extra inches in length; but where ship or other long and thick plank is measured, it makes an essential difference, which, however, in some measure may be remedied, by omitting all under 6 inches over the foot, and calling all over equal to a foot—in a large quantity, the difference will be trifling.

## BOARDS AND PLANK.

## Inches Wide.

Length in Feet.		6	7	8	9	10	11	12	13	14	15	
Feet,	Inches,	Feet,										
10	5 0	5 10	6 8	7 6	8 4	9 2	10 0	10 0	10 0	10 0	10 0	12 6
11	5 6	6 5	7 4	8 3	9 2	10 1	11 0	11 0	11 0	12 0	13 0	13 9
12	6 0	7 0	8 0	9 0	10 0	11 0	12 0	13 0	14 0	14 0	15 0	
13	6 6	7 7	8 8	9 9	10 10	11 11	12 12	13 0	14 1	15 2	16 3	
14	7 0	8 2	9 4	10 6	11 8	12 10	13 12	14 0	15 2	16 4	17 6	
15	7 6	8 9	10 0	11 3	12 6	13 9	15 0	16 3	17 6	18 9		
16	8 0	9 4	10 8	12 0	13 4	14 8	15 0	17 4	18 8	20 0		
17	8 6	9 11	11 4	12 9	14 2	15 7	17 0	18 5	19 10	21 3		
18	9 0	10 6	12 0	13 6	15 0	16 6	18 0	19 6	21 0	22 6		
19	9 6	11 1	12 8	14 3	15 10	17 5	19 0	20 7	22 2	23 9		
20	10 0	11 8	13 4	15 0	16 8	18 4	20 0	21 8	23 4	25 0		

## BOARDS AND PLANK.

## Inches Wide.

Length in Feet.		16	17	18	19	20	21	22	23	24		
Feet,	Inches,	Feet,	Inches,	Feet,	Inches,	Feet,	Inches,	Feet,	Inches,	Feet,	Inches,	
10	13	4	14	2	15	0	15	10	16	8	17	6
11	14	8	15	7	16	6	17	5	18	4	19	3
12	16	0	17	0	18	0	19	0	20	0	21	0
13	17	4	18	5	19	6	20	7	21	8	22	9
14	18	8	19	10	21	0	22	2	23	4	24	6
15	20	0	21	3	22	6	23	9	25	0	26	3
16	21	4	22	8	24	0	25	4	26	8	28	0
17	22	8	24	1	25	6	26	11	28	4	29	9
18	24	0	25	6	27	0	28	6	30	0	31	6
19	25	4	26	11	28	6	30	1	31	8	33	3
20	26	8	28	4	30	0	31	8	33	4	35	0

## BOARDS AND PLANK.—Inches Wide.

Length in Feet	12	13	14	15	16	17	18	19	20
	1' 4"	1' 5"	1' 6"	1' 7"	1' 8"	1' 9"	1' 10"	1' 11"	1' 12"
21	21	0	22	9	24	6	26	3	28
22	22	0	23	10	25	8	27	6	29
23	23	0	24	11	26	10	28	9	30
24	24	0	26	0	28	0	30	8	32
25	25	0	27	1	29	2	31	3	33
26	26	0	28	2	30	4	32	6	34
27	27	0	29	3	31	6	33	9	36
28	28	0	30	4	32	8	35	0	38
29	29	0	31	5	33	10	36	3	39
30	30	0	32	6	35	0	37	6	40
31	31	0	33	7	36	2	38	9	41
32	32	0	34	8	37	4	40	0	42
33	33	0	35	9	38	6	41	3	44
34	34	0	36	10	39	8	42	6	45
35	35	0	37	11	40	10	43	9	46
36	36	0	39	0	42	0	45	0	48
37	37	0	40	1	43	2	46	3	49

## POCKET RECKONER.

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## BOARDS AND PLANK.—Inches Wide.

	12	13	14	15	16	17	18	19	20
Length	ft	in	ft	in	ft	in	ft	in	ft
38	41	2	44	4	47	6	50	8	53
39	42	3	45	6	48	9	52	0	55
40	43	4	46	8	50	0	53	4	56
41	44	5	47	10	51	3	54	8	58
42	46	0	49	0	52	6	56	0	59
43	47	0	50	2	53	9	57	4	60
44	48	0	51	4	55	0	58	8	62
45	49	0	52	6	56	3	59	0	63
46	50	0	53	8	57	6	61	4	65
47	51	0	54	10	58	9	62	8	66
48	52	0	56	0	60	0	64	0	68
49	53	1	57	2	61	3	65	4	69
50	54	0	58	2	62	6	66	8	70
51	55	0	59	3	63	9	68	0	72
52	56	0	60	8	65	0	69	4	73
53	57	0	61	10	66	3	70	8	75
54	58	0	63	0	67	6	72	0	76
55	59	0	64	2	68	9	73	4	77

TABLE  
OF  
WAGES AND BOARD.

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The column on the left shows the number of days; the caption the rate per month. To find the amount of 16 days works, \$10 per month, you trace the number of days to 16; follow the line until it is under \$10, the rate per month, and you find \$6,16, omitting the lesser fractions. That for Board in the same way. The wages are cast at 26 working days to the month, and the week's board at 6 days.

TABLE OF WAGES AT GIVEN RATES PER MONTH.

Part of Days.	Rate per month of 26 days.							
	\$8	\$9	\$10	\$11	\$12	\$13	\$14	\$15
1/4	0 8	0 9	0 10	0 11	0 12	0 13	0 14	0 14
1/2	0 15	0 17	0 19	0 21	0 23	0 25	0 27	0 29
3/4	0 23	0 26	0 29	0 32	0 35	0 38	0 40	0 43
1	0 31	0 35	0 38	0 42	0 46	0 50	0 54	0 58
2	0 62	0 69	0 77	0 85	0 92	1 0	1 8	1 15
3	0 92	1 4	1 15	1 27	1 38	1 50	1 62	1 73
4	1 23	1 38	1 54	1 69	1 85	2 0	2 15	2 31
5	1 54	1 73	1 92	2 12	2 31	2 50	2 69	2 88
6	1 85	2 8	2 31	2 54	2 77	3 0	3 23	3 46
7	2 15	2 42	2 69	2 96	3 23	3 50	3 77	4 4
8	2 46	2 77	3 12	3 46	3 81	4 15	4 50	4 62
9	2 77	3 12	3 46	3 85	4 23	4 62	5 0	5 19
10	3 8	3 46	3 81	4 23	4 65	5 0	5 52	5 77
11	3 38							6 35

TABLE OF WAGES AT GIVEN RATES PER MONTH.

No. of Days.	Rate per month of 26 days.						
	\$8	\$9	\$10	\$11	\$12	\$13	\$14
12	3 69	4 15	4 62	5 8	5 54	6 0	6 46
13	4 0	4 50	5 0	5 50	6 0	6 50	6 92
14	4 31	4 85	5 38	5 92	6 46	7 0	7 50
15	4 62	5 19	5 77	6 35	6 92	7 50	8 48
16	4 92	5 54	6 16	6 77	7 38	8 0	8 65
17	5 23	5 88	6 54	7 19	7 85	8 50	9 23
18	5 54	6 23	6 92	7 62	8 31	9 0	9 81
19	5 85	6 58	7 31	8 4	8 77	9 50	10 38
20	6 15	6 92	7 69	8 46	9 23	10 0	10 96
21	6 46	7 27	8 8	8 88	9 69	10 50	11 54
22	6 77	7 62	8 46	9 31	10 15	11 0	11 31
23	7 8	7 96	8 85	9 73	10 62	11 50	12 12
24	7 38	8 31	9 23	10 15	11 8	12 0	12 69
25	7 69	8 65	9 62	10 58	11 54	12 50	13 27
26	8 0	9 0	10 0	11 0	12 0	13 0	14 0

TABLE OF WAGES AND BOARD PER MONTH AND WEEK.

Part & Days.	Rate per month of 26 days.						Board per Week, 6 days.		
	\$16	\$17	\$18	\$19	\$20	\$21	10s.	11s.	
1/4	0 15	0 16	0 17	0 18	0 19	0 20	0 5	0 6	
1/2	0 31	0 32	0 34	0 36	0 38	0 40	0 10	0 11	
3/4	0 46	0 49	0 51	0 55	0 58	0 61	0 16	0 17	
1	0 62	0 66	0 69	0 73	0 77	0 81	0 21	0 23	
2	1 23	1 31	1 38	1 46	1 54	1 62	0 42	0 46	
3	1 85	1 96	2 8	2 19	2 31	2 42	0 63	0 69	
4	2 46	2 62	2 77	2 92	3 8	3 23	0 83	0 92	
5	3 8	3 27	3 46	3 65	3 85	4 4	1 4	1 15	
6	3 69	3 92	4 15	4 38	4 62	4 85	1 25	1 38	
7	4 31	4 58	4 85	5 12	5 38	5 65	1 46	1 60	
8	4 92	5 23	5 54	5 85	6 16	6 46	1 67	1 83	
9	5 54	5 88	6 23	6 58	6 92	7 27	1 88	2 6	
10	6 15	6 54	6 92	7 31	7 69	8 8	2 8	2 26	
11	6 77	7 19	7 62	8 4	8 46	8 88	2 29	2 52	
12	7 38	7 85	8 31	8 77	9 23	9 69	2 50	2 75	

TABLE OF WAGES PER MONTH AND BOARD PER WEEK.

No. of Days.	Rate per month of 26 days.						Board per Week, 6 days.		
	\$16	\$17	\$18	\$19	\$20	\$21	Da.	13s.	14s.
13	8 0	8 50	9 0	9 50	10 0	10 50	1	0 26	0 29
14	8 62	9 15	9 69	10 23	10 77	11 31	2	0 54	0 58
15	9 23	9 81	10 38	10 96	11 54	12 12	3	0 81	0 88
16	9 85	10 46	11 8	11 69	12 31	12 92	4	1 8	1 17
17	10 46	11 12	11 77	12 42	13 08	13 73	5	1 35	1 46
18	11 8	11 77	12 46	13 15	13 85	14 54	6	1 63	1 75
19	11 69	12 42	13 15	13 88	14 62	15 35	7	1 90	2 4
20	12 31	13 8	13 85	14 62	15 38	16 15	8	2 17	2 33
21	12 92	13 73	14 54	15 35	16 16	16 96	9	2 44	2 63
22	13 54	14 38	15 23	16 8	16 92	17 77	10	2 71	2 92
23	14 15	15 4	15 92	16 81	17 69	18 46	11	2 98	3 21
24	14 77	15 69	16 62	17 54	18 46	19 38	12	3 25	3 50
25	15 38	16 35	17 31	18 27	19 23	20 19	13	3 52	3 79
26	16 0	17 0	18 0	19 0	20 0	21 0	14	3 79	4 8
27	16 62	17 65	18 69	19 73	20 77	21 81	15	4 6	4 38
28	17 23	18 31	19 38	20 46	21 54	22 62	16	4 33	4 67

## EXPLANATION

or

## TABLE OF DAYS.

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On the left you have the month, from any day of which to compute the number of days to the same day in any other month — For example, you wish to know how many days there are from the 20 January to the 20 of August; by following the line of January, till you are under the month of August, gives you the number of days 212, and so for other months.

T A B L E,  
Showing the number of days from any day in one month, to the same day in  
any other.

FROM	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.
January,	365	31	59	90	120	151	181	212	243	273	304	334
February,	334	365	28	59	89	120	150	181	212	242	273	303
March,	306	337	365	31	61	92	122	153	184	214	245	275
April,	275	306	334	365	36	61	91	122	153	183	214	244
May,	245	276	304	335	365	31	61	92	123	153	184	214
June,	214	245	273	304	334	365	30	61	92	122	153	183
July,	184	215	243	274	304	335	365	31	62	92	123	153
August,	153	184	212	243	273	304	334	365	31	61	92	122
September,	122	153	181	212	242	273	304	334	365	30	61	91
October,	92	123	151	182	211	243	273	304	335	365	31	61
November,	61	92	120	151	181	212	242	273	304	334	365	30
December,	31	62	90	121	151	182	212	243	274	304	335	365

31	62	90	121	151	182	212	243	274	304	335	365
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## EXPLANATION OF STONE WALL TABLE.

FIND the length in the left, and the thickness in the right hand column; then follow down the column under the height, until you come to the line opposite the length and thicknes, and you have the amount of feet required; then by adding or subtracting, you have the amount of any length, height, or thickness desired. Inches under six in the whole amount, not mentioned — over six, called a foot.

## STONE WALL MEASURE.

Length, Feet.	Height in Feet.									Thickness. Inches.
	1	2	3	4	5	6	7	8	9	
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	9	11	13	15	17	19	21
3	4	7	10	14	17	21	24	28	32	35
4	5	10	15	20	25	30	35	40	45	50
5	7	13	20	27	33	40	47	53	60	67
6	8	17	26	34	42	51	60	68	77	85
7	10	21	32	42	52	63	73	84	94	105
8	13	25	38	51	63	76	89	101	114	127
9	15	30	45	60	75	90	105	120	135	152
10	17	35	52	70	87	105	122	140	157	175
11	20	40	60	81	101	121	141	161	181	202
12	23	46	69	92	115	138	161	184	207	230
13	26	52	78	104	130	156	182	208	234	260

## TABLE

*For Calculating the Solid Contents of Cisterns.*

Depth of Cistern in Feet & inches.		Longest Head in Feet & inches.		Smallest Head in Feet & Inches.		Wine Gallons and Parts of Gallons.
Ft.	In.	Ft.	In.	Ft.	In.	
5	00	4	06	4	00	555.25
5	02	4	08	4	02	590.
5	04	4	10	4	04	665.2
5	06	5	00	4	06	725.1
5	08	5	02	4	08	810.2
5	10	5	04	4	10	890.
6	00	5	06	5	00	977.2
6	02	5	08	5	02	1080.
6	04	5	10	5	04	1175.
6	06	6	00	5	06	1285.2
6	08	6	02	5	08	1387.1
6	10	6	06	5	10	1548.2
7	00	6	10	6	00	1742.
7	03	7	00	6	02	1892.1
7	06	7	00	6	04	1927.2
7	09	7	03	6	06	2143.3
7	00	7	06	6	08	2345.1
8	06	7	07	6	10	2622.

**Miscellaneous Tables.**

20 units	make 1 score.
5 score	1 hundred.
12 units	1 dozen.
12 doz. = 144	1 gross.
12 gross = 144 doz.	1 great gross.
200 lbs. of beef, pork, or fish,	1 barrel.
196 lbs. of flour	1 barrel.
8 bushels of salt	1 hogshead.
280 lbs. of salt at the salt works in New York	1 barrel.
100 lbs. of raisins	1 cask.
100 lbs. of fish	1 quintal.
100 lbs.	1 hundred.
18 inches	1 cubit.
22 inches, nearly,	1 sacred cubit.
1 gallon of train oil	7½ lbs.
1 gallon of molasses	11 lbs.
24 sheets of paper	1 quire.
20 quires	1 ream.
2 reams	1 bundle.
5 bundles	1 bale.

**Troy Weight.**

24 grains =	1 pennyweight.
20 pennyweights =	1 ounce.
12 ounces =	1 pound.

**Apothecaries Weight.**

20 grains =	1 scruple.
3 scruples =	1 dram.
8 drams =	1 ounce.
12 ounces =	1 pound.

**Avoirdupois Weight.**

16 drams =	1 ounce.
16 ounces =	1 pound.
2000 pounds =	1 ton.
—	—
32 lbs. of oats =	1 bushel.
46 lbs. of barley	do.
56 lbs. of corn, rye, or flax seed	do.
60 lbs. of wheat, or clover seed	do.

**Circular Measure.**

60 degrees =	a sextant.
90 degrees =	a quadrant.
90 degrees =	a right-angle.
180 degrees =	a semi-circle.

### SPECIFIC DUTIES.

IN the custom-house weight and gauge of goods, certain deductions are made for the box, bag, cask, &c., containing the goods, and also for leakage, breakage, &c. These deductions must be made before the specific duties are imposed.

Gross weight is the weight of the goods together with the box, bale, bag, cask, &c., which contains them.

Draft is an allowance made for waste, which is to be deducted from the gross weight, and is as follows :

On	112 lbs.	1 lb.
Above	112 lbs., and not exceeding	224 lbs., 2 lbs.
"	224 lbs., "	336 lbs., 3 lbs.
"	336 lbs., "	1120 lbs., 4 lbs.
"	1120 lbs., "	2016 lbs., 7 lbs.
"	2016 lbs.,	9 lbs.

Tare is an allowance for the weight, of the box, bag, cask, &c. It is to be deducted

from the remainder of any weight or measure, after the draft or tret has been allowed.

Leakage is an allowance of 2 per cent. on all liquors in casks, paying duty by the gallon.

Breakage is an allowance of 10 per cent. on ale, beer, and porter in bottles, and of 5 per cent. on all other liquors in bottles; or the importer may have the bottles counted, and pay duties on the number remaining unbroken.

Net weight is the weight of the goods after deducting the weight of the box, bale, &c., and making all other allowances.

## Value of Gold Coins.

According to the Laws passed by Congress, May  
and June, 1834.

NAMES OF COINS	d. c. m.
<b>UNITED STATES.</b>	
Eagle, coined before July 31, 1834,	10 66 5
Shares in proportion.	
<b>FOREIGN GOLD.</b>	
<b>AUSTRIAN DOMINIONS.</b>	
Souverein,	3 37 7
Double Ducat,	4 58 9
Hungarian, do.,	2 29 6
<b>BAVARIA.</b>	
Carolin,	4 95 7
Max d'or, or Maximillian,	3 31 8
Ducat,	2 27 5
<b>BERNE.</b>	
Ducat, double in proportion,	1 98 6
Pistole,	4 54 2
<b>BRAZIL.</b>	
Johannes, $\frac{1}{2}$ in proportion,	17 6 4
Dobraon,	32 70 6
Dobra,	17 30 1
Moidore, $\frac{1}{2}$ in proportion,	6 55 7
Crusade,	63 5

NAME OF COINS.	d. c. m.
<b>BRUNSWICK.</b>	
Pistole, double in proportion,	4 54 8
Ducat,	2 23 0
<b>COLOGNE.</b>	
Ducat,	2 26 7
<b>COLOMBIA.</b>	
Doubloons,	15 53 5
<b>DENMARK.</b>	
Ducat, Current,	1 81 2
Ducat, Specie,	2 26 7
Christian d'or,	4 02 1
<b>EAST INDIES.</b>	
Rupee, Bombay, 1818,	7 09 6
Rupee, Madras, 1818,	7 11 0
Pagoda, Star,	1 79 8
<b>ENGLAND.</b>	
Guinea, half in proportion,	5 07 5
Sovereign, do.,	4 84 6
Seven Shilling piece,	1 69 8
<b>FRANCE.</b>	
Double Louis, coined before 1786,	9 69 7
Louis, do.,	4 84 6
Double Louis, coined since 1786,	9 15 3
Louis, do. do.,	4 57 6
Double Napoleon, or 40 francs,	7 70 2
Napoleon, or 20 do.,	3 85 1

NAMES OF COINS.	d. c. m.
FRANKFORT ON THE MAIN.	
Ducat,	2 27 9
GENEVA.	
Pistole, old,	3 98 5
Pistole, new,	3 44 4
GENOA.	
Sequin,	2 30 2
HAMBURGH.	
Ducat, double in proportion.	2 27 9
HANOVER.	
Double George d'or, single in proportion,	7 87 9
Ducat,	2 29 6
Gold Florin, double in proportion,	1 67 0
HOLLAND.	
Double Ryder,	12 20 5
Ryder,	6 04 3
Ducat,	2 27 5
Ten Guilder piece, 5 do. in proportion,	4 03 4
MALTA.	
Double Louis,	9 27 8
Louis,	4 85 2
Demi Louis,	2 33 6
MEXICO.	
Doubloons, shares in proportion,	15 53 5

NAMES OF COINS.	d. c. m.
<b>MILAN.</b>	
Sequin,	2 29 0
Doppia, or Pistole,	3 80 7
Forty Livre Piece, 1808,	7 74 2
<b>NAPLES.</b>	
Six Ducat Piece, 1783,	5 24 9
Two do., or Sequin, 1762,	1 59 1
Three do., or Oncetta, 1818,	2 49 0
<b>NETHERLANDS.</b>	
Gold Lion, or Fourteen Florin Piece,	5 04 6
Ten Florin Piece, 1820,	4 01 9
<b>PARMA.</b>	
Quadruple Pistole, double in propor- tion,	16 62 8
Pistole or Doppia, 1787,	4 19 4
do. do., 1796,	4 13 5
Maria Theresa, 1818,	3 86 1
<b>PIERMONT.</b>	
Pistole, coined since 1785, half in proportion,	5 41 1
Sequin, half in proportion,	2 28 0
Carlino, coined since 1785, half in proportion,	27 34 0
Piece of 20 francs, called Marengo,	3 56 4

NAMES OF COINS.	d. c. m.
POLAND.	
Ducat,	2 27 5
PORTUGAL.	
Dobraon,	32 70 6
Dobra,	17 30 1
Johannes,	17 06 4
Moidore, half in proportion,	6 55 7
Piece of 16 Testoons, or 1600 Rees,	2 12 1
Old Crusado, of 400 Rees,	85 5
New do., 480 do.,	63 5
Milree, coined in 1775,	78 0
PRUSSIA.	
Ducat, 1748,	2 27 9
do., 1787	2 26 7
Frederick, double, 1769,	7 95 5
do. do., 1800,	7 95 1
do. single, 1778,	3 99 7
do. do., 1800,	3 97 5
ROME.	
Sequin, coined since 1760,	2 25 1
Scudo of Republic,	15 81 1
RUSSIA.	
Ducat, 1796,	2 29 7
do., 1763,	2 26 7
Gold Ruble, 1756,	96 7

NAMES OF COINS.	d. c. m.
<b>RUSSIA.</b>	
Gold Ruble, 1799,	73 7
do. Poltin, 1777,	35 5
Imperial, 1801,	7 82 9
Half do., 1801,	3 93 3
<b>SARDINIA.</b>	
Carlino, half in proportion,	9 47 2
<b>SAXONY.</b>	
Ducat, 1784,	2 26 7
do., 1797,	2 27 9
Augustus, 1754,	3 92 5
do., 1784,	3 97 4
<b>SICILY.</b>	
Ounce, 1751,	2 50 4
Double do., 1758,	5 04 4
<b>SPAIN.</b>	
Doubloon, 1772, double and single, and shares in proportion,	16 02 8
Doubloon,	15 53 5
Pistole,	3 88 4
Coronilla, Gold Dollar, or Vintern, 1801	98 3
<b>SWEDEN.</b>	
Ducat,	2 23 5
<b>SWITZERLAND.</b>	
Pistole of Helvetic Republic, 1800,	4 56 0

NAMES OF COINS.	d. c. m.
TREVES.	
Ducat,	2 26 7
TURKEY.	
Sequin Fonducili, of Constanti-	
nople, 1773,	1 86 8
do., 1789,	1 84 8
Half Misceir, 1818,	52 1
Sequin Fonducili,	1 83 0
Yeermeeblekblek,	3 02 8
TUSCANY.	
Zechino, or Sequin,	2 31 8
Ruspone of the kingdom of	
Etruria,	6 93 8
VENICE.	
Zechino, or Sequin, shares in	
proportion,	2 31 0
WIRTEMBURG.	
Carolin,	4 89 8
Ducat,	2 23 5
ZURICH.	
Ducat, double and half in pro-	
portion,	2 26 7

## TABLE,

Showing the present worth of \$1, or £1, from 1 year to 40, allowing compound discount,  
at 5 and 6 per cent.

Yrs.	5 per cent.	6 per cent.	Yrs.	5 per cent.	6 per cent.
1	.952381	.943396	21	.358942	.294155
2	.907029	.889996	22	.341850	.277505
3	.863838	.839619	23	.325571	.261797
4	.822702	.792094	24	.310068	.246979
5	.783526	.747258	25	.295303	.232999
6	.746215	.704961	26	.281241	.219810
7	.710681	.665057	27	.267848	.207368
8	.676839	.627412	28	.255094	.195630
9	.644609	.591898	29	.242946	.184557
10	.613913	.558395	30	.231377	.174110
11	.584679	.526788	31	.220359	.164255
12	.556837	.496969	32	.209866	.154957
13	.530321	.468839	33	.199873	.146186
14	.505068	.442301	34	.190355	.137912
15	.481017	.417265	35	.181290	.130105
16	.458112	.393646	36	.172657	.122741
17	.436297	.371364	37	.164436	.115793
18	.415521	.350344	38	.156605	.109239
19	.395734	.330513	39	.149148	.103056
20	.376889	.311805	40	.142046	.097222

**EXPLANATION**  
**or**  
**INTEREST TABLES.**

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FIND the amount in the left hand column, then follow the line of figures until you come to the column giving the number of days at the head, and you have the amount of days to one month; then, by adding together, you have the interest of as many months as required, on amounts from one dollar to one hundred.

## POCKET RECKONER.

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TABLE OF SIMPLE INTEREST, AT 6 PER CENT.,  
For each Day to a Month, from \$1 to \$100.

## Days in the Month.

Amount	Days in the Month.																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	12	13	13	14	14	14	15	15	15		
40	1	1	2	2	3	4	4	5	6	6	7	7	8	8	9	9	10	11	12	13	13	14	15	16	17	17	18	19	20	20		
50	1	1	2	3	3	4	5	6	7	8	8	9	10	11	12	13	13	14	15	16	17	17	18	19	20	22	23	23	24	25	26	
60	1	2	3	4	5	6	7	8	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
70	1	3	3	5	6	7	8	9	9	10	12	13	14	15	16	17	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36
80	1	3	4	5	7	8	9	11	12	13	15	16	17	19	20	21	23	24	25	28	29	30	31	33	35	36	37	39	40	41	41	47
90	2	3	5	6	7	9	11	12	13	15	16	18	19	21	22	24	25	27	28	30	31	33	35	36	38	39	41	42	44	45	47	50
100	2	3	5	7	8	10	12	13	15	17	18	20	22	25	27	28	30	32	33	35	37	38	40	42	43	45	47	48	50	51	51	51



90	2	3	5	7	9	10	12	14	16	17	18	20	22	23	25	26	28	29	31	32	34	35	37	38	39	40	41	43	44	46	48		
100	2	4	6	8	10	12	13	15	17	19	21	23	25	27	29	30	33	35	36	38	39	40	41	43	45	47	48	50	52	54	56	58	59

