J. F. STALCUP.

LUMBER CALCULATOR.

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990,603.

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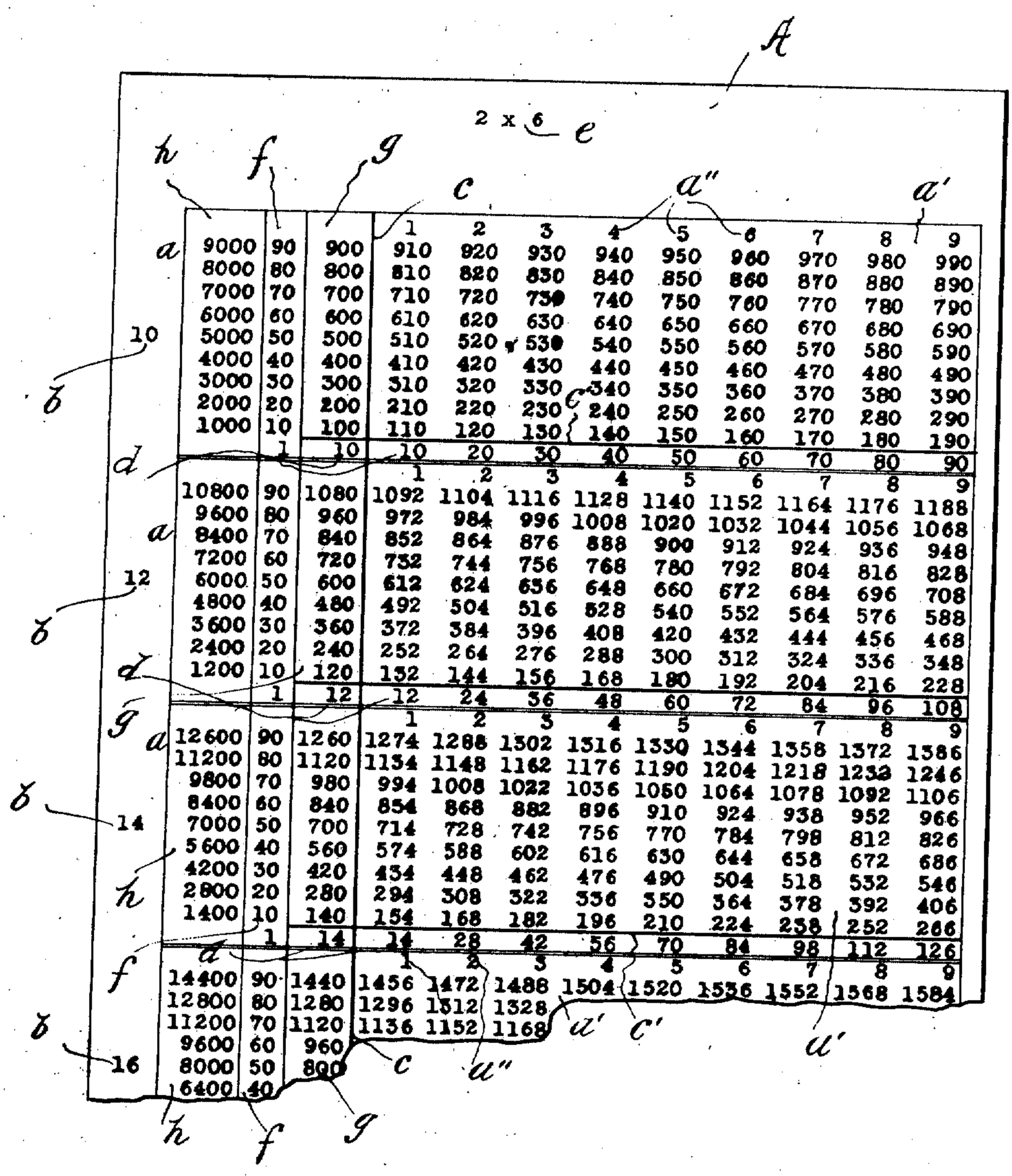

			1	2	3	4	5	6	7	8	9
a	9000	90	900	910	920	930	940	950	960	970	980	990
	8000	80	800	810	820	830	840	850	860	870	880	890
	7000	70	700	710	720	730	740	750	760	770	780	790
	6000	60	600	610	620	630	640	650	660	670	680	690
10	5000	50	500	510	520	530	540	550	560	570	580	590
	4000	40	400	410	420	430	440	450	460	470	480	490
b	3000	30	300	310	320	330	340	350	360	370	380	390
	2000	20	200	210	220	230	240	250	260	270	280	290
	1000	10	100	110	120	130	140	150	160	170	180	190
d		1	10	10	20	30	40	50	60	70	80	90
				1	2	3	4	5	6	7	8	9
	10800	90	1080	1092	1104	1116	1128	1140	1152	1164	1176	1188
a	9600	80	960	972	984	996	1008	1020	1032	1044	1056	1068
	8400	70	840	852	864	876	888	900	912	924	936	948
	7200	60	720	732	744	756	768	780	792	804	816	828
12	6000	50	600	612	624	636	648	660	672	684	696	708
	4800	40	480	492	504	516	528	540	552	564	576	588
b	3600	30	360	372	384	396	408	420	432	444	456	468
	2400	20	240	252	264	276	288	300	312	324	336	348
	1200	10	120	132	144	156	168	180	192	204	216	228
d		1	12	12	24	36	48	60	72	84	96	108
				1	2	3	4	5	6	7	8	9
g a	12600	90	1260	1274	1288	1302	1316	1330	1344	1358	1372	1386
	11200	80	1120	1134	1148	1162	1176	1190	1204	1218	1232	1246
	9800	70	980	994	1008	1022	1036	1050	1064	1078	1092	1106
b	8400	60	840	854	868	882	896	910	924	938	952	966
14	7000	50	700	714	728	742	756	770	784	798	812	826
	5600	40	560	574	588	602	616	630	644	658	672	686
h	4200	30	420	434	448	462	476	490	504	518	532	546
	2800	20	280	294	308	322	336	350	364	378	392	406
	1400	10	140	154	168	182	196	210	224	238	252	266
f		1	14	14	28	42	56	70	84	98	112	126
	a			1	2	3	4	5	6	7	8	9
	14400	90	1440	1456	1472	1488	1504	1520	1536	1552	1568	1584
	12800	80	1280	1296	1312	1328						
b	11200	70	1120	1136	1152	1168						
	9600	60	960									
16	8000	50	800									
	6400	40										
	h		f	g	c	a''	a'	c'	a'			

Witnesses

E. Larson

M. I. Taylor

Inventor

J. F. Stalcup

By Miller & Cobb.

Attorneys

UNITED STATES PATENT OFFICE.

JAMES F. STALCUP, OF HOUSTON, TEXAS.

LUMBER-CALCULATOR.

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To all whom it may concern:

Be it known that I, JAMES F. STALCUP, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented certain new and useful Improvements in Lumber-Calculators, of which the following is a specification.

This invention relates to a method or means for indicating or calculating the amount of lumber in any given number of pieces of manufactured lumber, said pieces being of definite dimensions and lengths.

For a full understanding of the invention reference is to be had to the following detail description and the accompanying drawing, which represents a fragment of a device made in accordance with this invention.

In carrying out this invention it is contemplated that there will be provided as many charts as may be required to represent measurements for all the ordinary forms of lumber, such for instance as 1x4's, 2x4's, 2x6's, 1x6's, 1x8's, 2x8's, and so on. The part indicated at A is one designed to be used with reference to lumber of the dimension 2x6's, and the same is divided into main blocks indicated at *a*, each of said blocks being designated by a numeral to indicate the length of the lumber appertaining thereto, said indicating numerals being referred to by the letter *b*.

The primary object of this invention is to provide a means whereby at a glance the number of board feet in any given number of pieces of manufactured lumber or timber of known dimensions or length may be indicated without resorting to mathematical computation.

Each of the main blocks *a* includes a main group of numerals or columns of numerals indicated at *a'*, a plurality of vertical single columns at one side of the main group, and a horizontal series of numerals. The main group *a'* of numerals is preferably separated from the vertical columns and the horizontal series of numbers by distinguishing character of line *c* and *c'*, the same being of some suitable color or in some other way made to guide the eye readily of the observer. At the lower left hand corner of the main group *a'* and preferably below the horizontal indicator line is a base numeral *d*. The base numeral represents the number of board feet in a piece of lumber of the length indicated by the indicating numeral *b* and of the dimension indicated at *e* at the top of the chart. One of the vertical columns *f* is made up of key numbers to be used in guiding the eye of the observer to the result desired. Another of said vertical columns, indicated at *g*, represents multiples of tens of the base numeral, and at *h* is indicated the third vertical column of numbers representing multiples of hundreds of the base numeral. Each main group *a'* is made up of nine vertical columns, each of which is headed at the top by a unit digit *a''*, and below the horizontal leader line *c'* at the right of the base numeral *d* the numerals represent the number of board feet of the character of lumber indicated in as many pieces as are indicated by the unit digits *a''*. Starting from the base number *d* the number of board feet in a single piece may be considered as being directly beneath the unit digit 1 in set *a''*, or upon the opposite side of the leader line *c* opposite the numeral 1 in the column of key numbers *f*. The number of board feet in any number of tens indicated by the other numbers of the key number column *f* will be represented by the corresponding numbers in column *g*. The combination of any number of tens with any number of units will be represented by the number found in the main group *a'* opposite the proper number of tens in column *f* and directly beneath the proper unit digit in the main group *a'*. For instance, if it be desired to determine the number of board feet in sixty-seven pieces of 2x6's, 12 feet in length the observer would run his eye down the chart to the main block *a* indicated by the indicating number 12 and beginning at 60 in column *f* would glance thence to the right as far as the column in the main group *a'* headed by the unit digit 7 where he would locate the number 804. The same process would be followed in determining the number of board feet in any other number of pieces of lumber of a certain size less than one hundred. For a number of pieces greater than one hundred column *h* will be observed and to the number of board feet found by the above method for tens and units will be added the number in the column *h* opposite the required number of hundreds. For instance, should it be desired to determine the number of board feet in seven hundred and sixty-three pieces of lumber 2x6's and 14 feet long the observer's eye would pass to the left of 70 in the key number column *f* to the number 9800 thence to the right of the key number 60 as far as

882 in the main group a', which, by a simple mental process, added to 9800 gives 10,682, the required number.

The terms vertical, horizontal, right and left used above are to be understood as being merely relative, and that the arrangement might be altered so as to read from left to right or up and down as might be required by different individuals, without departing from the spirit of the invention, and I do not desire to be limited to the exact form or arrangement of the device hereinbefore set forth.

I claim:—

A lumber calculating chart as described having dimension indicia at its top denoting the sectional area of pieces of lumber the board feet in which are to be computed, and said chart embodying a plurality of blocks or groups of figures, each group of figures being associated with a numeral indicative of the linear feet of boards for which said group affords a computation, and including a series of base numerals denoting the number of board feet in one or more pieces of lumber of the size prescribed by the dimension indicia, and each group embodying a vertical column of key numerals representing the numbers of pieces of lumber in tens, a horizontal column of numerals representing numbers of pieces of lumber in units, and other numerals in each group constituting multiples of the tens and unit numerals aforesaid and the numerals indicating the linear feet and associated with each group of figures, the two last mentioned sets of numerals being located at one side of the key numerals, and a final set of numerals arranged on the opposite side of the key numerals and representing multiples of hundreds of the base numeral.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES F. STALCUP.

Witnesses:
F. B. DWYER,
T. J. MCDONALD.