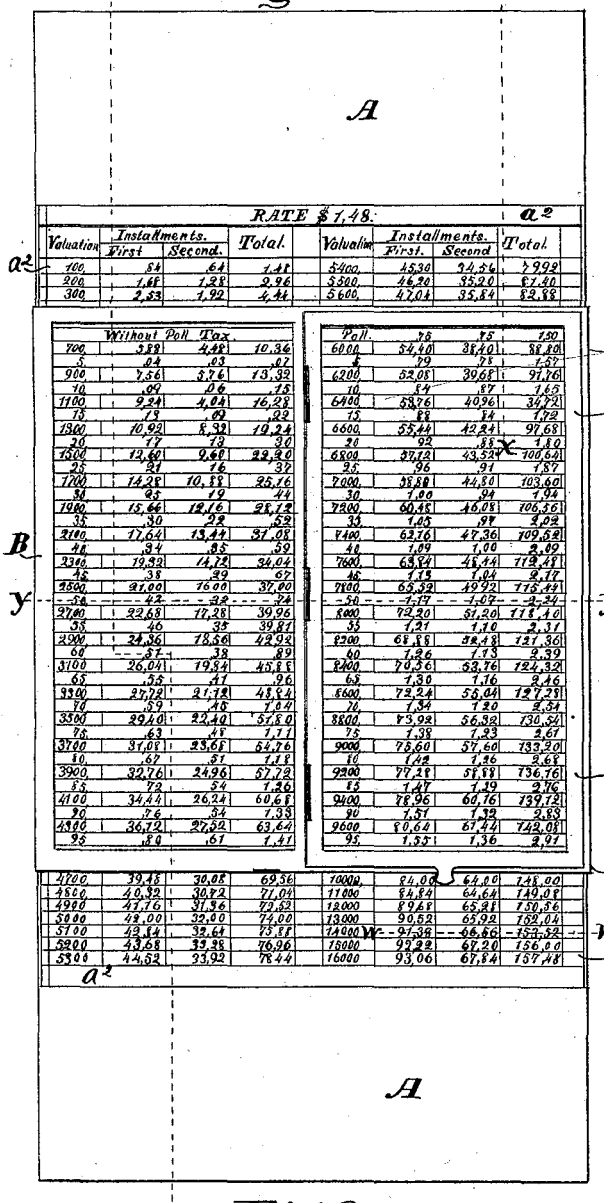
(No Model.)

J. S. DURET.

CALCULATING DEVICE.

No. 283,331. Patented Aug. 14, 1883.

Fig. 1.



RATE $1,48.

Valuation	Installments. First	Second.	Total.
100	.64	.64	1.28
200	1.48	1.28	2.96
300	2.53	1.92	4.44

Without Poll Tax.

700	3.88	4.48	10.36
5	.04	.03	.07
900	7.56	5.76	13.32
10	.09	.06	.15
1100	9.24	4.04	16.28
15	.13	.09	.22
1300	10.92	8.32	19.24
20	.17	.13	.30
1500	12.60	9.60	22.20
25	.21	.16	.37
1700	14.28	10.88	25.16
30	.25	.19	.44
1900	15.96	12.16	28.12
35	.30	.22	.52
2100	17.64	13.44	31.08
40	.34	.25	.59
2300	19.32	14.72	34.04
45	.38	.29	.67
2500	21.00	16.00	37.00
50	.42	.32	.74
2700	22.68	17.28	39.96
55	.46	.35	.81
2900	24.36	18.56	42.92
60	.51	.38	.89
3100	26.04	19.84	45.88
65	.55	.41	.96
3300	27.72	21.12	48.84
70	.59	.46	1.04
3500	29.40	22.40	51.80
75	.63	.48	1.11
3700	31.08	23.68	54.76
80	.67	.51	1.18
3900	32.76	24.96	57.72
85	.72	.54	1.26
4100	34.44	26.24	60.68
90	.76	.54	1.33
4300	36.12	27.52	63.64
95	.80	.61	1.41
4200	39.48	30.08	69.56
4600	40.32	30.72	71.04
4900	41.16	31.36	72.52
5000	42.00	32.00	74.00
5100	42.84	32.64	75.48
5200	43.68	33.28	76.96
5300	44.52	33.92	78.44

a²

Poll.

6000	54.40	38.40	88.80
5	.79	.78	1.57
6200	52.08	39.68	91.76
10	.84	.87	1.65
6400	53.76	40.96	94.72
15	.88	.84	1.72
6600	55.44	42.24	97.68
20	.92	.88	1.80
6800	57.12	43.52	100.64
25	.96	.91	1.87
7000	58.80	44.80	103.60
30	1.00	.94	1.94
7200	60.48	46.08	106.56
35	1.05	.97	2.02
7400	62.16	47.36	109.52
40	1.09	1.00	2.09
7600	63.84	48.64	112.48
45	1.13	1.04	2.17
7800	65.52	49.92	115.44
50	1.17	1.07	2.24
8000	72.20	51.20	118.40
55	1.21	1.10	2.31
8200	68.88	52.48	121.36
60	1.26	1.13	2.39
8400	70.56	53.76	124.32
65	1.30	1.16	2.46
8600	72.24	55.04	127.28
70	1.34	1.20	2.54
8800	73.92	56.32	130.24
75	1.38	1.23	2.61
9000	75.60	57.60	133.20
80	1.42	1.26	2.68
9200	77.28	58.88	136.16
85	1.47	1.29	2.76
9400	78.96	60.16	139.12
90	1.51	1.32	2.83
9600	80.64	61.44	142.08
95	1.55	1.36	2.91
10000	84.00	64.00	148.00
11000	84.84	64.64	149.08
12000	89.88	65.88	150.56
13000	90.52	65.92	152.04
14000	91.56	66.66	153.52
15000	92.22	67.20	156.00
16000	93.06	67.84	157.48

Fig. 2.

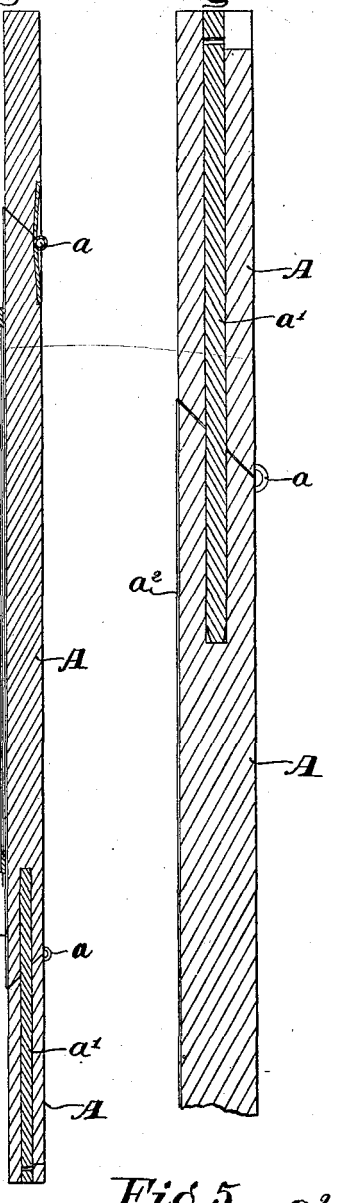


Fig. 4.

Fig. 3.

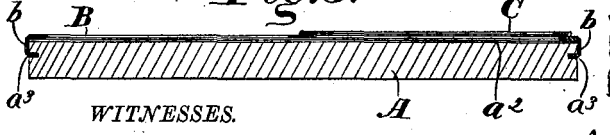
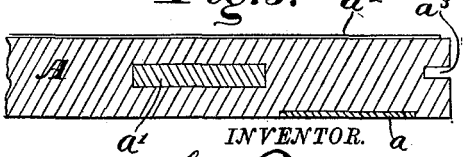


Fig. 5.



WITNESSES.

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CALCULATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 283,331, dated August 14, 1883.

Application filed April 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. DURET, of the city of Peru, county of Miami, and State of Indiana, have invented certain new and useful Improvements in Calculating Devices, of which the following is a specification.

My present invention is an improvement upon that for which Letters Patent of the United States, No. 233,840, were granted me under date of November 2, 1880, as will be hereinafter fully described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a face view of my complete device; Fig. 2, a longitudinal section of the same on the dotted line *z z;* Fig. 3, a transverse section on the dotted line *y y;* Fig. 4, a detail longitudinal section, on an enlarged scale, on the dotted line *x x;* and Fig. 5, a detail cross-section on the dotted line *w w*, also on an enlarged scale.

In said drawings the portions marked A represent the base of the device; B, the sliding frame, and C the swinging-frame.

The base A is composed of a central or main portion and two end portions, which are secured thereto by hinges *a*, and which, when in use, are secured in line with the central portion by pins or bars *a'*, which are inserted in holes formed to receive them, which holes extend through said ends, past the hinges, into the central or main portion of the base. Upon this base is mounted a sheet of paper, a^2, upon which are printed the tables of figures showing the rate of taxation, valuation, installments, total taxation, &c., as described in my patent before referred to. This sheet is secured in position in the following manner: The pins *a'* being withdrawn, and the ends of the base folded down, the ends of the sheet are bent over the ends of the central portion of the base. The ends are then brought up in line, thus clamping and holding the paper tightly, and the pins are replaced, securing said ends in position. When it is desired to remove said sheet and replace it with another, it can be easily done, as will be readily understood. This construction of the base, while fully accomplishing this purpose, does not interfere with the movement of the sliding frame, which can be manipulated as well as if the base were constructed in only one piece. The base is provided with grooves a^3 on the sides, which receive guides on the frame B and serve as slides therefor.

The frames B and C are similar to those shown and described in my aforementioned Letters Patent. The frame B has portions *b* upon its sides, which are bent over around a portion of the base A into the grooves a^3, and which serve as guides for said frame to keep it in position upon said base. This I regard as a superior arrangement to that shown in said Letters Patent, in which the base had side pieces to hold the sliding frame in position, which is a more clumsy arrangement and would be impracticable with a sectional hinged base, such as I have now adopted.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device for computing taxes, &c., the combination of a base composed of parts hinged together, the end portions of which, when unfolded, are in line with and extend beyond the center or main portion, and a sliding frame which is adapted to move over said base, substantially as described, and for the purposes specified.

2. The combination, in a base for a calculating device, of a main portion, end portions hinged thereto, and pins or bars *a'*, said base being adapted to receive said pins or bars and be thereby held rigidly in line with the main portion, substantially as set forth.

3. The combination of the sectional hinged base A, the paper a^2, having tables of figures thereon, and secured to said base by being inserted in the joints between the sections, and the sliding frame B, which is adapted to be moved over said paper, substantially as shown and described, and for the purposes specified.

In witness whereof I have hereunto set my hand and seal at Indianapolis, Indiana, this 5th day of April, A. D. 1883.

JAMES S. DURET. [L. S.]

In presence of—

C. BRADFORD,

C. F. SAYLES.