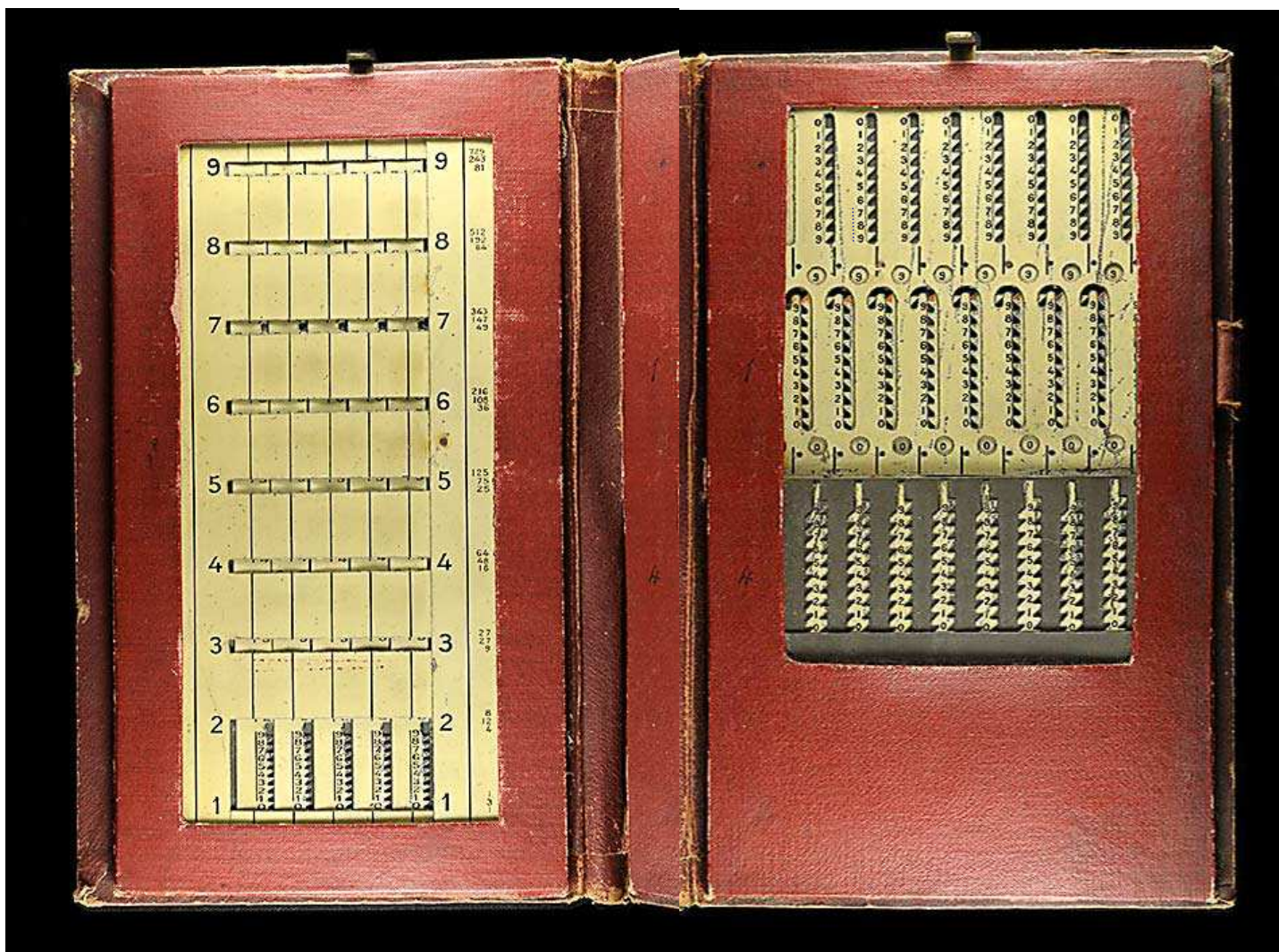
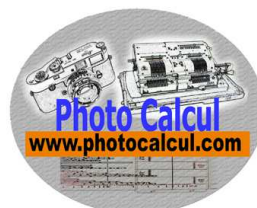


ARITHMOGRAPHE TRONCET MULTIPLICATEUR



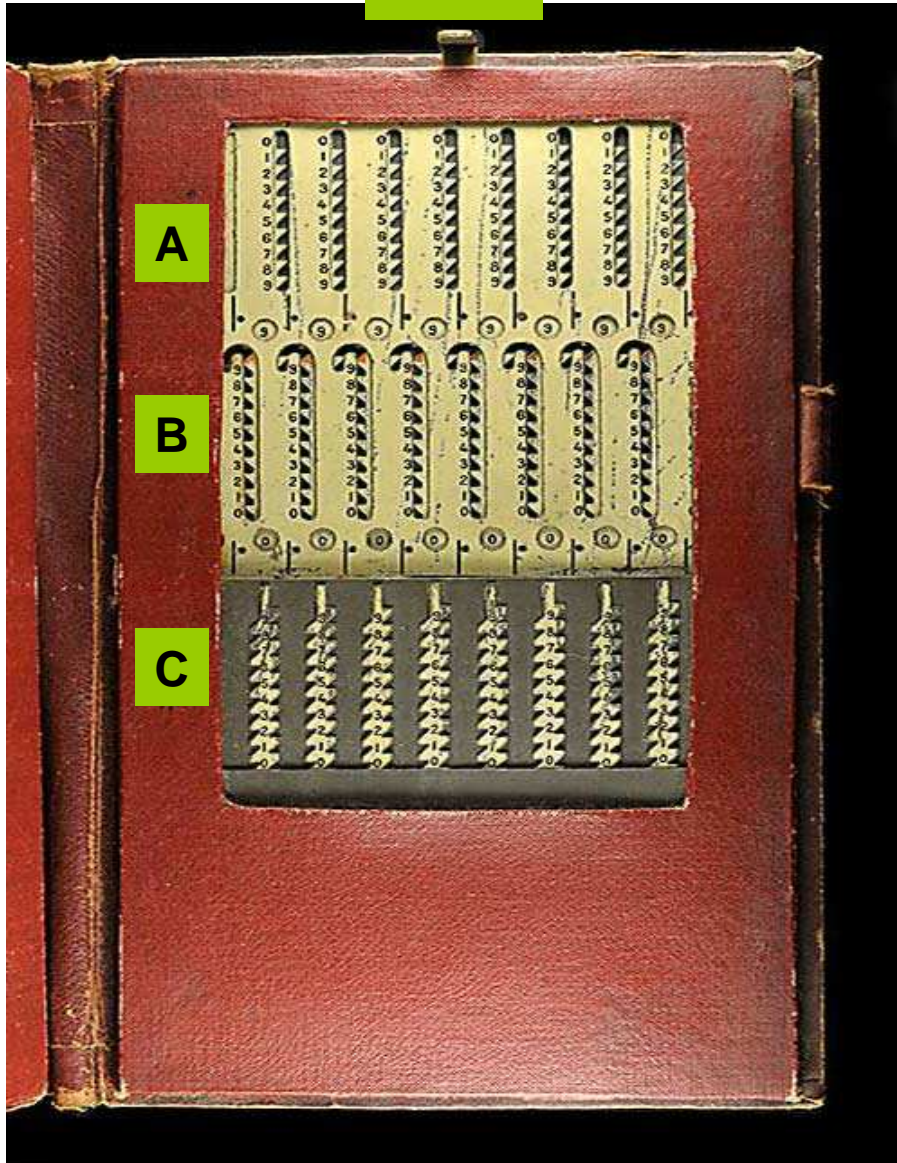
G. Martin



November 2014

ARITHMOGRAPHE TRONCET

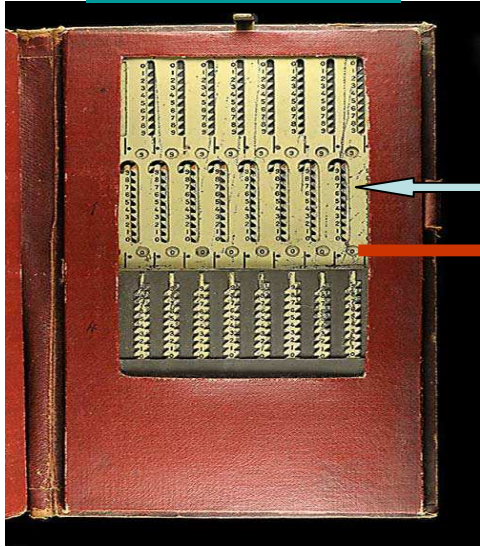
R.A.Z.



INSTRUCTIONS

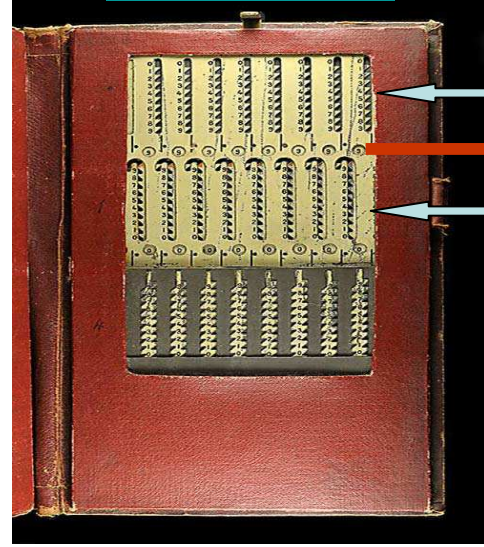
- 1 Reset R.A.Z. for points 2 - 3 - 4
- 2 Addition $a + b + c$:
Enter numbers **a**, **b** and **c** in area B
- 3 Substraction $a - b - c$:
Enter number **a** in area A
Enter numbers **b** and **c** in area B
- 4 Addition and substraction $a - b + c - d$:
Enter numbers **a** and **c** in area B
Memorize partial result
Reset R.A.Z.
Enter partial result in area A
Enter numbers **b** and **d** in area B

$a + b + c = A$

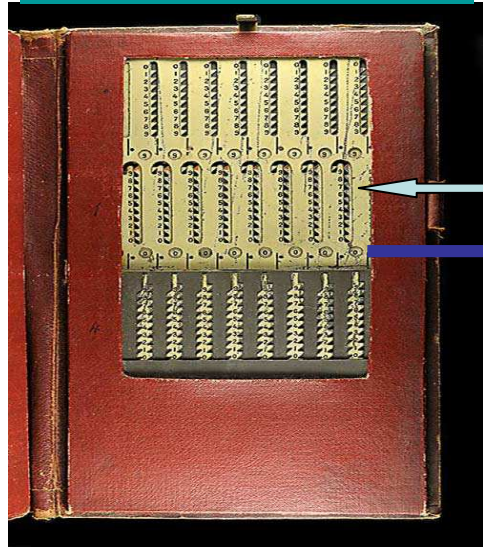


**ADDITION
SUBSTRACTION**

$a - b - c = S$

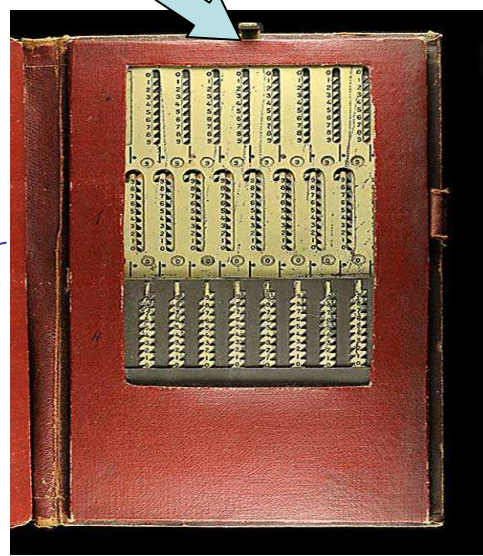


$a - b + c - d + e = R$

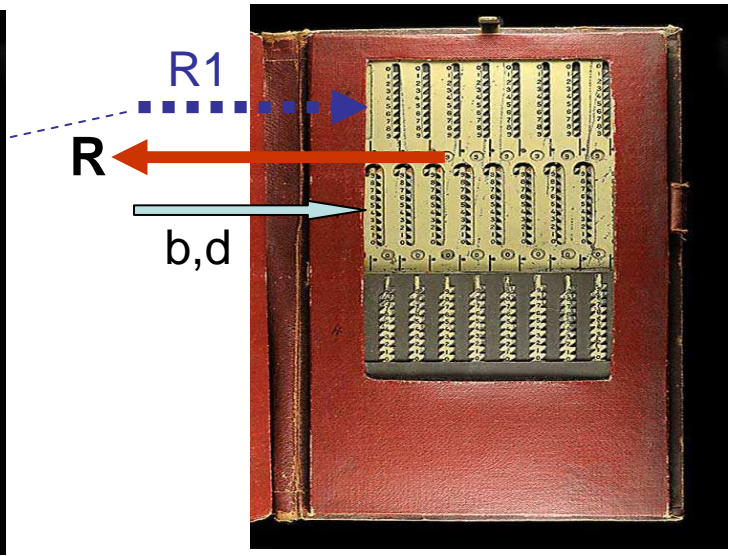


1

R.A.Z.



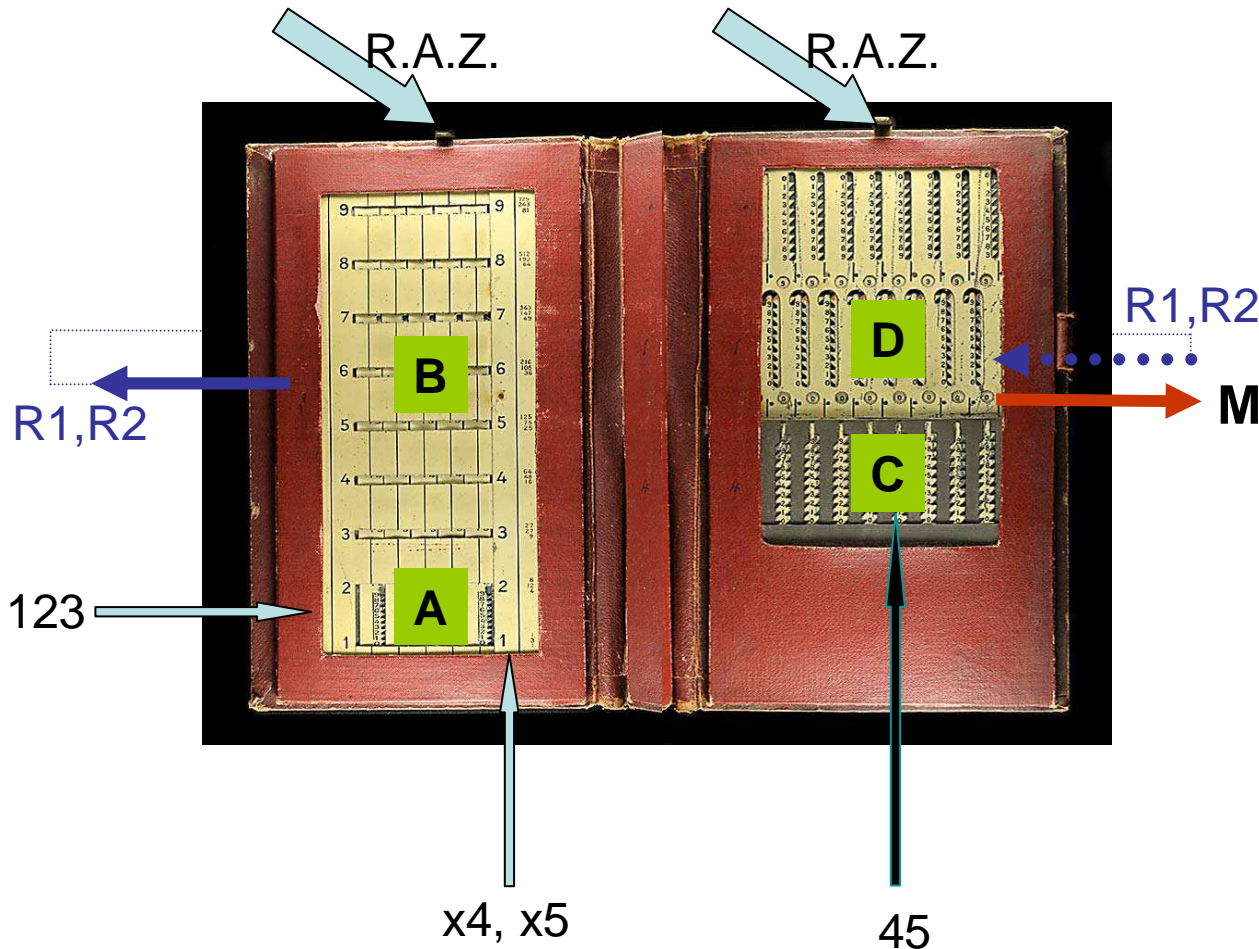
2



3

MULTIPLICATION

$$123 \times 45 = M$$



INSTRUCTIONS

- 1 Reset (R.A.Z.)
- 2 Enter **123** in area A
- 3 Memorize **45** in area C
- 4 Read partials products $x4, x5$ in area B
- 5 Add partials products R1, R2 in area D
- 6 Read result in M (5535)
- 7 Reset (R.A.Z.)

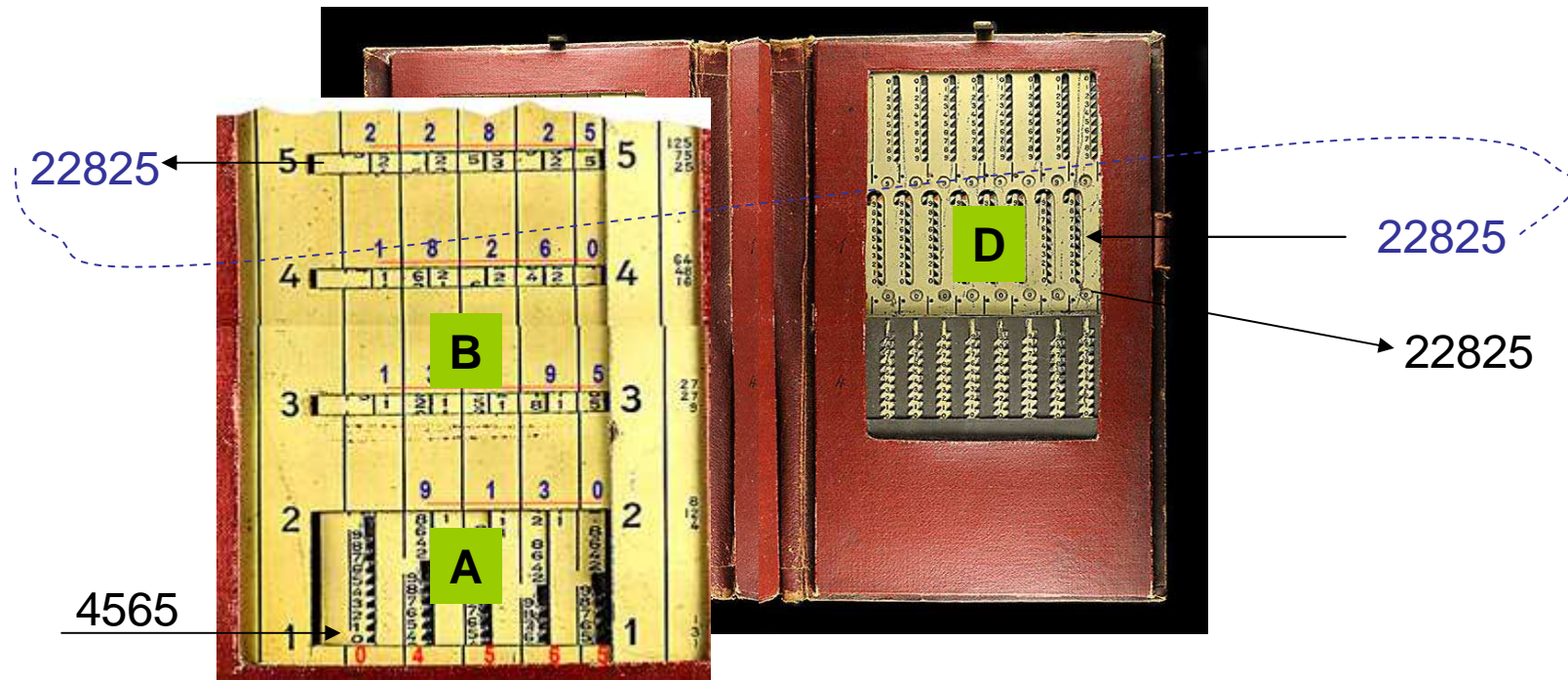
Example 4565 x 35

$$4565 \times 5 = 22825$$

$$4565 \times 30 = 136950$$

$$4565 \times 35 = 159775$$

1/ 4565 x 5

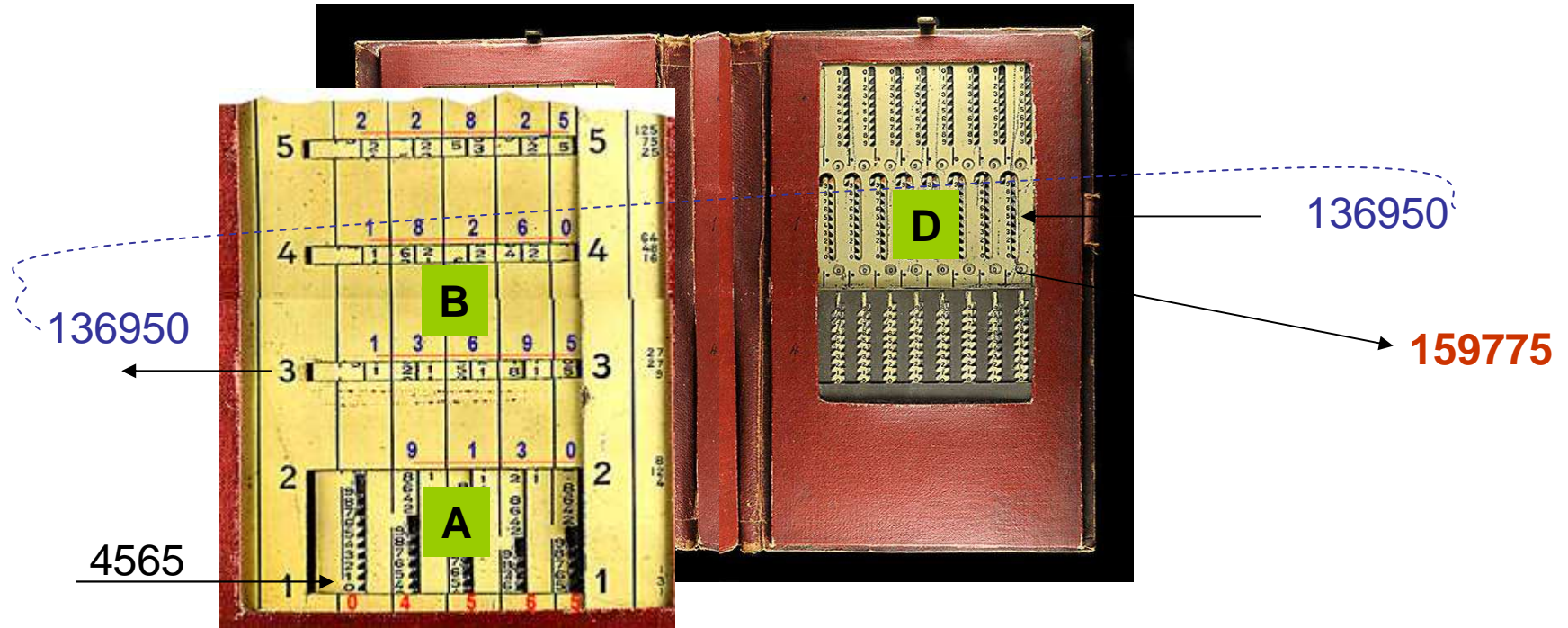


Set 4565 in area A
Read partial product x5 in area B (22825)
Add this partial product in area D
Partial result is 22825

.../...

.../...

2/ 4565 x 30



4565 is in area A
Read partial product x3 in area B (13695)
Multiply by 10 (136950)
Add this partial product in area D
Result of the multiplication is **159775**



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