Albrecht Dürer
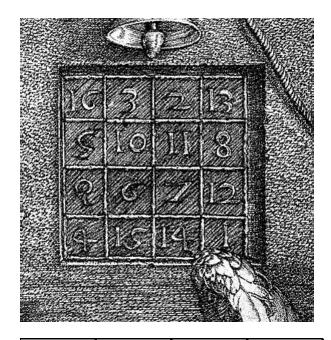
And his magic square

On the wall to the right hangs the magic square Dürer created.

It looks like this.

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

And what is the magic?
It is the number 34!

This number is the sum of the various fields within the magic square.

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

The sum of all rows is 34!

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

The sum of all columns is 34!

The sum of all corners is 34!

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

Move the fields one step clockwise and it is still 34!

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

Move the fields another step and it is still 34!

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

The sum of the fields in the center is 34!

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

$$5 + 9 + 8 + 12 = 34$$

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

$$3 + 2 + 15 + 14 = 34$$

16	3	2	**13**
5	10	**11**	8
9	**6**	7	12
4	15	14	1

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

The same is true for the diagonals. . .

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

And so on: 34!

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

Dürer created this square in 1514. "D" for Dürer is the 4th letter of the alphabet and "A" for Albrecht is the 1st!

Genius!

. . . He was very proud for creating this magic square – and he should be!