

# **Badische Landesbibliothek Karlsruhe**

**Digitale Sammlung der Badischen Landesbibliothek Karlsruhe**

## **The young man's book of amusement**

**Halifax, 1848**

[Tabelle]

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rank, observe the same method with regard to the second that you observed in the second with regard to the first, and so of the rest. For instance, suppose the first horizontal rank filled with the seven numbers in their natural order, 1, 2, 3, 4, 5, 6, 7, the second horizontal rank may either commence with 3, with 4, with 5, or with 6, but in this it commences with 3.

1	2	3	4	5	6	7
3	4	5	6	7	1	2
5	6	7	1	2	3	4
7	1	2	3	4	5	6
2	3	4	5	6	7	1
4	5	6	7	1	2	3
6	7	1	2	3	4	5

The third rank, therefore, must commence with 5, the fourth with 7, the fifth with 2, the sixth with 4, and the seventh with 6. The commencement of the ranks which follow, the first being thus determined, the other numbers, as we have already observed, must be written down in the order wherein they stand in the first. going on to 5, 6, and 7, and returning to 1, 2, &c., till every number in the first rank be found in every rank underneath, according to the order arbitrarily pitched upon at first. By this means, it is evident, that no number whatever can be repeated twice in the same rank; and, by consequence, that the seven numbers, 1, 2, 3, 4, 5, 6, 7, being in each rank, must, of necessity, make the same sum.

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