exhaust line **44** of the cyclone **46** connects to that outlet. The booth floor **234** serves as inner collection means (similar to the said inner collection means **34.2** of FIG. **1**) for removal of surplus powder across the entire inner horizontal cross section of booth **4**.

In the booth wall **10**, on its bottom end on which the booth floor **234** borders, a second powder outlet **268** is formed which extends horizontally around the entire booth **4** and connects to the second powder exhaust line **74** of filter system **50**. The second powder outlet **268** serves as an outer collection means (similar to outer collection means **34.1** of FIG. **1**) for suction removal of surplus powder dropping off the wall inside surface **40** of booth wall **10** during the spray coating operation and/or cleaning of booth **4**. The second powder outlet **268** consists in the preferred embodiment illustrated in FIG. **8** and **9**, in exhaust airflow direction, successively of an annular slot **270** in the booth wall **10** around the entire booth **4** and a manifold pipe **172** arranged outside the booth wall **10**, which by way of numerous holes **274** communicates fluidically with annular slot **270** while connected to the second powder exhaust line **74**.

Contained in the powder exhaust line **44** of the cyclone **46** and in powder exhaust line **47** of filter system **50** is a closure element **74.3**, or **74.2**, each, for instance an on/off valve, an adjustable throttle plate, a cock or a similar device. The two powder lines **44** and **74** can thus be selectively opened or closed, individually or both. In a preferred embodiment, the closure element **74.3** to the cyclone **46** is during a spray coating operation of longer duration opened and the closure element **74.2** to the filter system **50** closed; both closure elements **74.3** and **74.2** are closed while the booth is being cleaned, so that a stronger airflow can be sucked out of booth **4**, with the speed of rotation of exhaust blower **52** being raised during cleaning.

Another operating mode is possible for spray coating operation of short duration or with frequent change of one powder type for another: the entire booth floor **234** is sealed by a lid, the closure element **74.3** of the cyclone **46** is closed, and closure element **74.2** of the filter system **50** is opened, so that the blower **52** can suck powder out of the spray booth **4** only through the annular slot **270** of the powder outlet **268**. The annular slot **270** sucks air from the spray booth **4** at a right angle to its center axis **16**. In a modified embodiment, the two powder exhaust lines **44** and **74** are connected to separate vacuum supplies or exhaust blowers.

It will be appreciated that various modifications and changes may be made to the above described preferred embodiment of without departing from the scope of the following claims.

We claim:

1. A spray coating booth for use in spray coating articles with powder, said booth containing a side wall which surrounds the perimeter of the booth to define and enclose a coating space, and a floor connected to said side wall and forming a bottom for the coating space, said floor including an outer collection means arranged around the perimeter of said booth and along said side wall to collect and remove surplus powder dropped onto said floor along said side wall, and an inner collection means positioned on said floor and spaced interiorly of said side wall to collect and remove surplus powder dropping onto said floor interiorly of said side wall, where surplus powder dropping around the perimeter of said booth and along said side wall is collected by said outer collection means, and surplus powder dropping interiorly of said side wall is simultaneously collected by said inner collection means, thereby enabling a separation of the surplus powder dropping on the interior of said floor from the surplus powder dropping on said floor near the side wall so that the surplus powder collected by said inner collection means can be reused.

2. A booth adapted for use in spray coating articles with powder, as set forth in claim **1**, and further including powder exhaust means connected to said inner collection means for suction removal of surplus powder and exhaust air collected by said inner collection means.

3. A booth adapted for use in spray coating articles with powder, as set forth in claim **1**, and further including a coating means for spray coating articles in the booth with the powder, and means for returning surplus powder collected by said inner collection means to said coating means.

4. A booth adapted for use in spray coating articles with powder, as set forth in claim **2**, and further including a first powder separator having an inlet connected to receive exhaust air and powder from said inner collection means, said first powder separator having a powder outlet and an exhaust air outlet, a second powder separator adapted to remove powder from a flow of air, means for passing air from said first separator exhaust air outlet through said second powder separator, and means for passing exhaust air and powder from said outer collection means through said second powder separator.

5. A booth adapted for use in spray coating articles with powder, as set forth in claim **1**, and wherein said inner collection means includes a downwardly tapering hopper which forms the interior of said booth floor, said hopper having a powder outlet opening.

6. A booth adapted for use in spray coating articles with powder, as set forth in claim **1**, and wherein said outer collection means includes a powder suction outlet along said side wall to extend around the perimeter of said booth, and suction means for exhausting air and entrained powder through said powder suction outlet.

7. A booth adapted for use in spray coating articles with powder, as set forth in claim **1**, and wherein said side wall has a circular shape in horizontal section.

8. A booth adapted for use in spray coating articles with powder, as set forth in claim **1**, and further including means for removing powder from the surfaces of said side wall.

9. A booth adapted for use in spray coating articles with powder, as set forth in claim **8**, and wherein said powder removing means causes powder removed from the surfaces of said side wall to fall to said outer collection means without entering said inner collection means.

10. A method of spray coating articles with powder from a spray booth, said booth containing a side wall which surrounds the perimeter of the booth to define and enclose a coating space, and a floor connected to said side wall and forming a bottom for the coating space, said floor including an outer collection means arranged around the perimeter of said booth and along said side wall to collect and remove surplus powder dropped onto said floor along said side wall, and an inner collection means positioned on said floor and spaced interiorly of said side wall to collect and remove surplus powder dropping onto said floor interiorly of said side wall, comprising spray coating articles with the powder in the booth with a coating means, collecting surplus powder dropping around the perimeter of said booth and near said side wall with said outer collection means, and simultaneously collecting surplus powder dropping interiorly of said side wall with said inner collection means, thereby separating the surplus powder dropping on the interior of said floor from the surplus powder dropping on said floor around the perimeter of said booth along the side wall so that the surplus powder collected by said inner collection means can be reclaimed.