July 29, 1930. V. LORENTZ 1,771,852

DUST COLLECTOR

Filed March 1, 1928

Fig.1

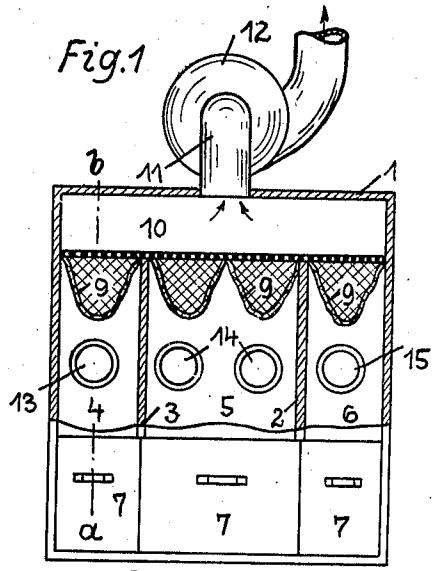
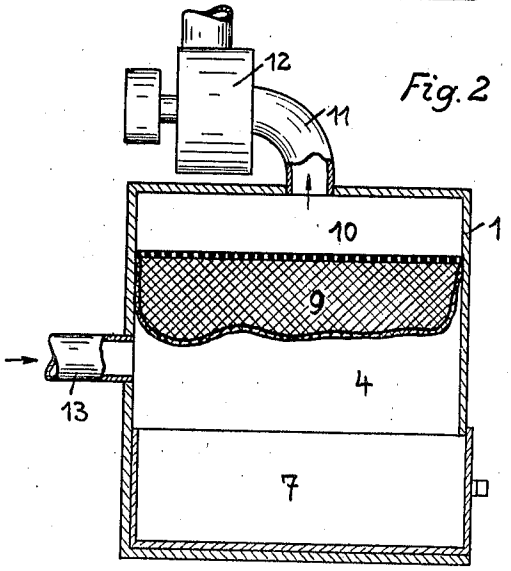


Fig.2



Inventor:
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by [illegible] attorney

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UNITED STATES PATENT OFFICE

VALENTIN LORENTZ, OF DRESDEN, GERMANY, ASSIGNOR TO UNITED CIGARETTE MACHINE COMPANY, A. G., OF DRESDEN, GERMANY

DUST COLLECTOR

Application filed March 1, 1928, Serial No. 258,418, and in Germany September 23, 1926.

The present invention relates to cigarette making machines, packing machines and the like and refers particularly to dust collecting devices of the kind embodying for example fine and coarse dust and bronze dust.

According to the present invention the various dust traps of the collector are connected to one and the same suction chamber.

One form of execution of the present invention is shown by way of example on the appended drawing in which

Fig. 1 is a front view of the dust collector, with the front wall removed, and

Fig. 2 is a section along the line *a*—*b* in Fig. 1.

Referring to the appended drawing the dust collector consists mainly of a container 1, divided into chambers 4, 5, 6 by means of partitions 2, 3. Removable dust containers 7 are fitted below these chambers, whilst at the top the chambers are closed by means of a perforated plate supporting filters 9. Each of the chambers 4, 5, 6, is provided with a connection 13, 14, 15, for the attachment of feeding tubes leading to the individual sources of dust in cigarette machines. 12 indicates a fan drawing the air with the dust from the individual sources of dust through the various chambers 4, 5 and 6, the dust from each source being separately retained by the filters 9 and falling into the container 7, from which, after the container has been pulled out, it can be easily removed. The air enters the chamber 10 through the filters 9 and passes on through a pipe 11 to the fan 12.

I claim:—

1. Dust collector for cigarette machines, packing machines and the like comprising in combination several dust chambers for the individual sources of dust, several feeding tubes leading to the individual sources of dust and each connected with one of said chambers and one suction chamber connected with all said dust chambers.

2. Dust collector for cigarette machines, packing machines and the like comprising in combination several dust chambers for the individual sources of dust, several feeding tubes leading to the individual sources of dust and each connected with one of said chambers, a common suction chamber connected with all said chambers and a suction pipe opening into said suction chamber.

3. Dust collector for cigarette machines, packing machines and the like comprising in combination several dust chambers for the individual sources of dust, several feeding tubes leading to the individual sources of dust and each connected with one of said chambers, a common suction chamber connected with all said chambers and filters arranged between said dust chambers and suction chamber.

In testimony whereof I affix my signature.

VALENTIN LORENTZ.