

- 934 Control of Cupola Stack Emissions. J.F. Drake and T.G. Kennard. Iron Age 163, 88-92 (Apr. 7, 1949).

An installation is described involving a closed charging bell, a dry dust collector and a wet washer, which results in stack emissions within the limits set by Los Angeles County air pollution regulations. Data are given on the nature of matter collected by this system.

- 935 Musgrave "Aerodynamic" Dust Collector. Anon. Ind. Heat. Engr. 10, 188-189 (Sept. 1948).

Messrs. Musgrave & Co., Ltd, have acquired the manufacturing and selling rights for this new collector (Systeme Linderoth), which is based on a new principle of separation, and is designed to overcome difficulties inherent in the normal type of centrifugal collector. The filter surface consists of a specially slotted sheet bent into the form of a cone. The air or gas to be cleaned is passed at high velocity over this surface, and due to the form of the slots, aerodynamic forces are set up, the resultant force on the dust particles being in a direction away from the cone face. This force keeps the dust particles suspended in the form of a thin cloud layer immediately in front of the filter surface, while the clean air escapes through the slots. These slots or passages for the clean air are many thousand times larger than the dust particles which are removed, so that even with adhesive dusts there is little tendency for the filter to become clogged.

-- Atm. Poll. Bull.

- 936 Is It True that Silicosis Is Not Progressive in the Absence of Tuberculosis? J.L. Nicod. Presse Med. 57, 51ff. (Jan. 8, 1949).

Nicod does not agree with the conclusions of the conference on pneumoconiosis held in London in April, 1947, which asserted that pneumoconiosis can be arrested spontaneously by the cessation of exposure to dust except for those cases in which silicosis is combined with tuberculosis. He performed necropsies on 150 miners who had been employed in the Swiss Alps and who had died from silicosis. Neither recent nor old tuberculous lesions could be demonstrated on microscopic examination of 35 to 40 per cent of these 150 men who had been working as miners only temporarily, in some cases not longer than one year, and who died from silicosis twelve to twenty-three years after having discontinued work in the silica dust environment. The postmortem examination revealed the progressive course of the silicosis in the pulmonary tissues and in the lymph nodes in the absence of any tuberculous process. In cases in which silicosis was combined with tuberculosis, the latter nearly always developed after the silicotic lesions in the lungs, and frequently it had an acute and terminal course. Tuberculosis is a late complication of the pneumoconiosis in the great majority of silicotic patients.

-- J.A.M.A.

- 937 Dust Control in Machine Shops. Anon. Industrial Notes. Bureau of Ships, Navy Dept. No. 91. 12pp. (April 22, 1949).

Conscious of the daily requirements of proper dust control, technicians are stressing constantly the importance of using effective dust-collecting