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868 O.G. 731

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PERSONAL DUST SAMPLER HOLDER

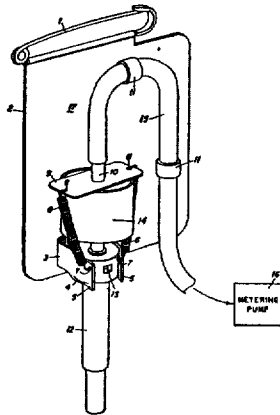
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1 Sheet Drawing, 5 Pages Specification



Spring action retainers hold a particle separation cyclone and an air filter in operative position for filtering air samples drawn through an inlet aperture in the cyclone. The retainers include a fuse-type spring clip and a flat apertured retaining plate joined to the clip by coil springs. The filter and cyclone are supported by the clip at the neck of the cyclone adjacent the inlet aperture. The retaining plate, positioned over the filter, biases the cyclone and filter combination against a flange on the lower portion of the clip. A tubular connector, secured through the aperture in the retaining plate, connects with the filter on one side, and with a vacuum hose on the other side for connecting the filter outlet to the inlet of an air metering pump. The clip and several hose guides are secured to a supporting plate which includes a pin-type fastener for attaching the sampler holder to the garment of a person in his breathing zone when collecting respirable dust samples.

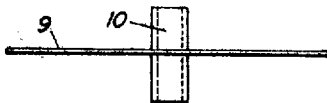
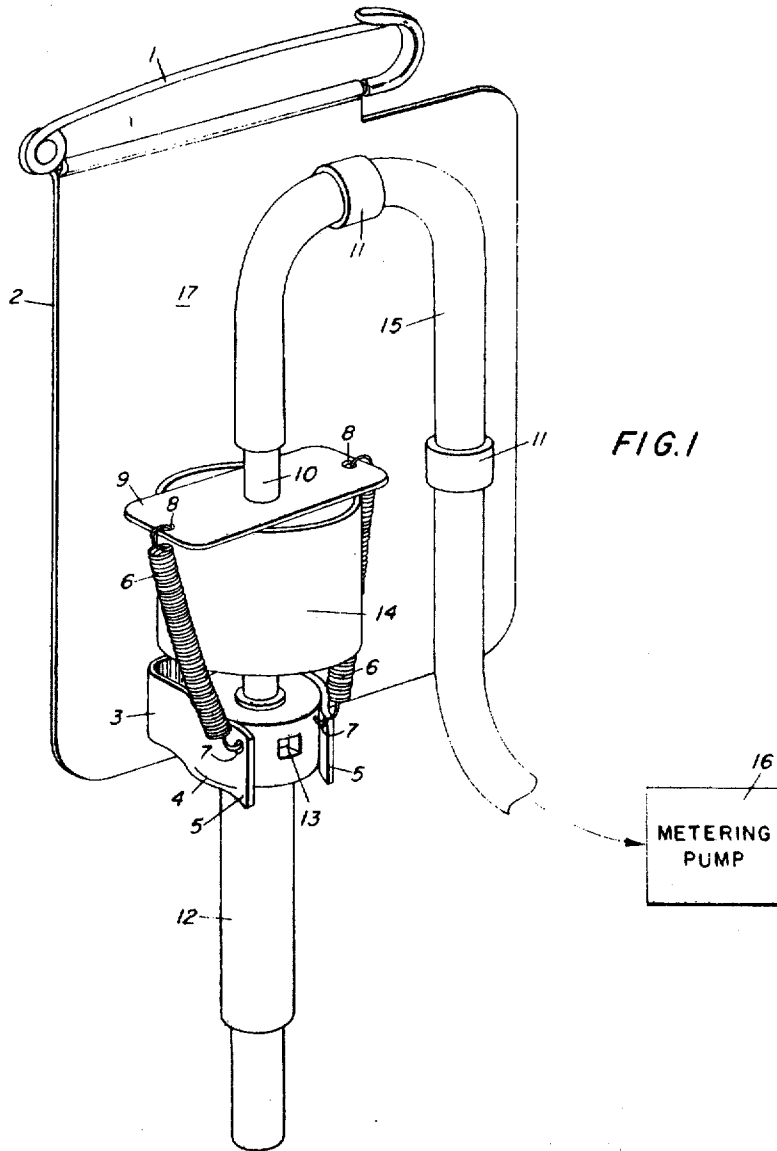
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