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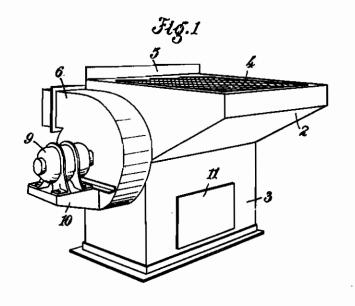
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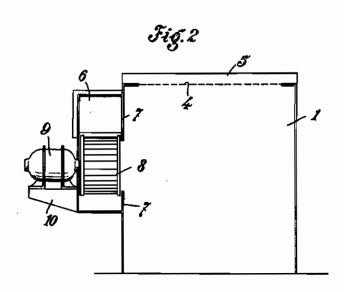
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WORK BENCH FOR WELDING JOBS AND THE LIKE

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WORK BENCH FOR WELDING JOBS AND THE LIKE

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During welding with electrodes or autogenous welding gases or vapours are produced which are detrimental to the workman and impair the visibility. In order to reduce or remove a detrimental influence of these gases and vapours, a suction bonnet has been arranged heretofore above the working table, the gases and vapours being sucked off through this bonnet. In this manner the accumulation of great quantitles of gas and vapour could be prevented, but notwithstanding the detrimental effect of the gases and vapours could not be eliminated wholly because the gases and vapours flowing upwards pass along the eyes and the respiratory organs of the workman.

By the work bench according to the invention the detrimental effect of the gases and vapours produced during welding is eliminated wholly. This is achieved by providing the table board with openings through which the gases and vapours are sucked off downward. Preferably the table board is made of perforated sheet metal through the openings of which not only the gases produced by welding are sucked off, but also the dripping particles can drop through.

An example of a work bench according to the invention is represented in the drawing in Figure 1 by a perspective view and in Fig. 2 in a longitudinal section.

The work bench comprises a closed suction chamber i composed of a downwardly tapered part 2 and a prismatic base part 3. The suction chamber is covered by a plane perforated sheet metal plate 4 constituting the working plate of the work bench. Preferably on the back side of the working plate a boarder 5 is arranged. On one side of the suction chamber a suction ventilator 6 is arranged, advantageously in such a

manner that the side wall 7 of the suction chamber at the same time constitutes the side wall of the ventilator 6. The rotor 8 of the suction ventilator is driven by the motor 9 arranged on the bracket 10. By a short waste gas conduit the ventilator is connected with the open air. Preferably the base part 3 of the suction chamber is provided in its front wall with an opening 11 which can be closed and through which the lower part of the suction chamber is accessible. The upper part of the suction chamber is constructed in such a manner that the table board projects beyond the front wall of the suction chamber.

If welding jobs are made on the work bench according to the invention the produced gases and vapours are sucked off from the weld through the openings of the perforated table board in to the suction chamber I, and removed into the open air by the ventilator 6. Therefore the gases and vapours produced during welding cannot impair the visibility any more, the workman can observe the electrodes and the welding process, and any effect detrimental to the respiratory organs of the workman is prevented so that the capacity of the workman during his work is raised materially with the work bench according to the invention This is so especially if hollow electrodes are used, which produce great quantities of gases and vapours, and also if parts are welded which are oiled intensely.

The particles dripping during welding will drop into the suction chamber I through the openings of the perforated table board. These particles can be removed from the bottom of the suction chamber from time to time through the opening II.

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