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DESIGN OF VEST UNLOADING FOR INSPECTORS-CRIMINALISTS

The article highlights the peculiarities of the design and unloading vests for inspectors-criminalists. At the moment, criminals use mainly suitcases for transportation, storage and use of technical tools of forensic examination, which have a significant mass, which, in turn, creates inconveniences in the conduct of investigative and operational activities. For the rational placement of technical and forensic tools and distribution of their weight on the human body, it is advisable to develop unloading vest of inspectors-criminalist, which will be equipped with a belt bag, the design of which will be adapted to modern technical and forensic tools. For the design of the vest and belt bags, it is advisable to investigate the dangerous harmful factors acting on criminalist during their activities, as well as the requirements for rational placement and use of technical and forensic tools.

The analysis of the conditions for the activities of inspectors-criminalists, the determination of the list of dangerous harmful factors acting on a person and his equipment, events of a different nature were carried out by an analytical method, a method of observation and questioning. Development of requirements for the design of the vest and its individual elements was carried out by the methods of observation, comparison and experimentally.

The scientific novelty consists in the classification compiled by the authors, regarding dangerous hazardous factors that influence the work of the inspector-criminalist, as well as in determining the minimum required set of belt bags for the placement of technical and forensic means of maiden necessity. Based on the results of the study, an experimental sample of the unloading vest was developed, as well as a set of summaries for technical and forensic means. The developed sample of the unloading vest for criminalists, besides the optimal distribution of the load of technical and forensic tools on the human body, also provides the convenience of using various types of tools, protection from contamination prevention and mechanical damage, as well as from traffic accidents during the inspection of the accident scene on the highway.

With these matters cleared away, in conclusions the authors emphasize the need for experimental testing of the developed prototype example to the vest of unloading inspector-criminalist to determine further directions for its improvement.

Keywords: Inspectors-criminalists, unloading vests, technical and forensic means, dangerous harmful factors, design.

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