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ANALYSIS OF CUTTING PROPERTIES LEATHER AND FUR

***Purpose.** The purpose of this work is to investigate and identify the most effective cutting properties of leather and fur.*

***Keywords:** leather, fur, configuration, skins.*

Objectives. The objective of this study is to analyze the cutting properties of leather and fur. Fur skins, being the result of nature's creativity, have a complex molecular structure, large individual characteristics, and, consequently, a wide range of non-repeating properties. As it is known, the properties of the fur-fur semi-finished product are divided into the properties of the skin tissue, the properties of the hair and complex (the properties of the whole skin as a whole). In furry production, first of all, the cutting properties of the skins (configuration, linear dimensions, area, plastic properties) should be taken into account.

Methodology. In furry production, first of all, the cutting properties of the skins (configuration, linear dimensions, area, plastic properties) should be taken into account. The area of the skin determines its cutting properties and depends on the type, sex, age, breed, habitat area, feeding conditions and maintenance of the animal (Fig. 1).

Research results. Fur-and-fur semi-finished products having a sufficiently high and thick hair cover are characterized by good heat-protective properties. Skins with sparse and low hair cover have low heat-protective properties. The elasticity and creasability of the hair cover have a significant effect on the heat-protective properties of the fur. Skins with a sufficiently elastic hair cover are characterized by good wind resistance. Of great importance is the uniformity of thickness over the entire area of the skin. The more uniform the thickness, the more profitable and convenient it is to color fur. The thickness of the hair is measured by the diameter in the grain, i.e. in the widest part of the hair, and in

different topographic areas of the skins is not the same [1]. It varies depending on the time of year, the sex of the animal and its age. The height of the hair cover is one of the main commodity properties that determine the grade and use of hides.

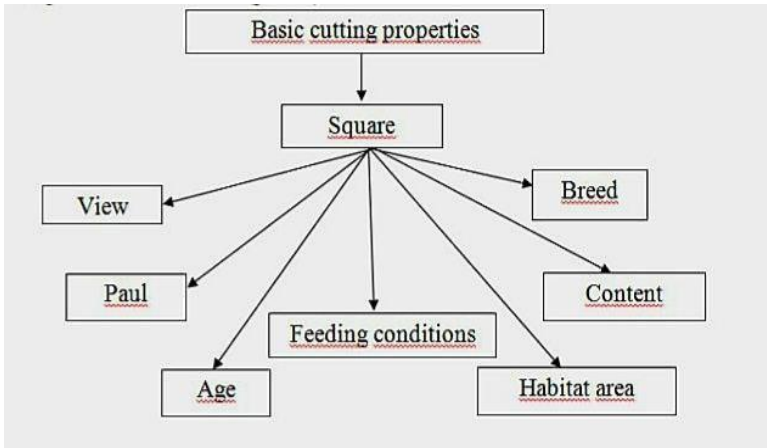


Fig. 1. Diagram of the main cutting property

Conclusion. The most effective cutting properties of fur-fur semi-finished products and leather have been studied, which allow rational use of fur production waste, allowing to increase the output of additional fur products, contributes to the waste-free use of valuable fur semi-finished products and the expansion of the range of fur products with the simultaneous achievement of various decorative effects.

References

1. DaTing, J.(2006) Collagen and Collagen [M], p.5.Beijing: Chemical Industry Press.