THE PRODUCTION AND CONSERVATION OF FATS AND OILS IN THE UNITED STATES.²

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[ABSTRACT.]

U. S. DEPARTMENT OF AGRICULTURE Bulletin 769, "Production and Conservation of Fats and Oils in the United States," recently issued by the Bureau of Chemistry, contains the first adequate survey of statistics on the fat and oil industry. These statistics, which were compiled by the U. S. Food Administration, cover the production, exportation and importation of fats and oils during the past seven years. The processes involved in making the various fats and oils are described briefly, and suggestions made for increasing the present supply and eliminating waste.

THE WEAR RESISTANCE OF LEATHER FROM DIFFERENT PARTS OF THE HIDE.³

By F. P. Veitch and J. S. Rogers.

[ABSTRACT.]

ACTUAL wearing experiments, involving 125 pairs of sandals and extending over a period of several months, were conducted with leather soles from different tannages and different sections of the hide. The total thickness of each sole worn away during a recorded number of hours' wear was determined and these results calculated to and expressed as inches wear per 1000 hours. The average losses were as follows: Butt (7 leathers), 0.464; heads (2 leathers), 0.512; shoulder (8 leathers), 0.605; belly (4 leathers), 0.944. Leather from the butt wore on an average at least twice as long as that from the belly portion of the hide, and about one and one-third times as long as that from the shoulder portion. While the results are but preliminary, they substantiate the belief which has been generally held for many years concerning the relative wear resistance of different sections of the hide.

² Department of Agriculture Bulletin 769.

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