

**LEATHER MANUFACTURE, A
TREATISE ON THE PRACTICAL
WORKINGS OF THE LEATHER
MANUFACTURE**

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Leather manufacture, a treatise on the practical workings of the leather manufacture by John W. Stevens

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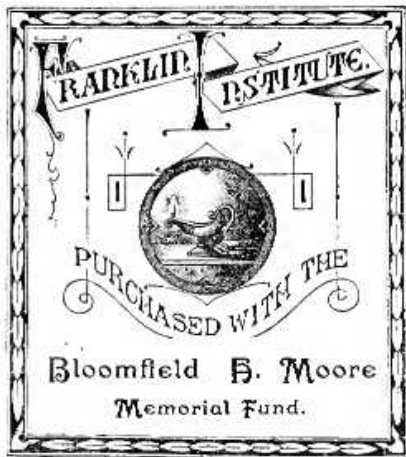
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JOHN W. STEVENS

**LEATHER MANUFACTURE, A
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LEATHER MANUFACTURE,

A Treatise

ON THE

PRACTICAL WORKINGS OF THE LEATHER MANUFACTURE

INCLUDING

OIL, SHOE GRAIN, IMITATION GOAT AND CALF, BRIGHT OIL, ENGLISH
AND AMERICAN BOOT GRAIN, HAND AND MACHINE SEWED WELT,
GLOVE GRAIN, FLESH SPLITS, HARNESS LEATHER, THE SUL-
PHIDE OF SODIUM PROCESS, OAK AND HEMLOCK BARK
EXTRACTS, CONSTRUCTION OF TANNERIES,

TOGETHER WITH NUMEROUS VALUABLE RECIPES AND MISCELLANEOUS
MATTER SPECIALLY ADAPTED TO THE LEATHER MANUFACTURE.

By JOHN W. STEVENS,

Author of "Mistakes of Tanners," Etc.

CONTAINING ILLUSTRATIONS OF MACHINERY AND MOST APPROVED AP-
PLIANCES ADAPTED FOR THE CLASS OF WORK.

PUBLISHED BY

THE SHOE AND LEATHER REVIEW,

182 MONROE ST., CHICAGO, ILL.

1890.

From the
Library of the
American Institute of
Leather Technology

Dedication.

TO MY GRANDSON, JOHN WARREN STEVENS.

I dedicate to you, this volume of a work now submitted to the tanning fraternity, with a diffidence and hesitation proportioned to the multiplicity of details and the practical workings connected with the Leather Manufacture.

Your grandfather, great-grandfather and uncles devoted a good portion of their lives to the now second largest manufacturing industry in this country. I trust that you, in your future walks, will not feel compelled to emulate the calling of your humble predecessors; but, in whatever position your inclinations lead, to give it your undivided attention, and fill the same with credit to yourself and honor to the name.



John W. Stevens

PREFACE.

The aim of the following hand-book is to present to the tanning fraternity, and to those who may hereafter engage in it, a full and complete sketch of the art of making several of the most popular and standard lines of fine shoe leather. It also contains a treatise on the sulphide of sodium process, oak and hemlock bark extracts, and the construction of tanneries.

The writer has refrained from following the usual custom of combining theory with practice, or in going into an extended treatise on the chemical properties of water employed in tanning, or the anatomy and chemical analysis of the hide structure. Science and chemistry are not to be ignored, however, by tanners endeavoring to produce good, serviceable leather at a lessened cost in the production. And, as they are now receiving more light through those channels than formerly, and also directly through practical chemistry, it would appear rather egotistical for "an old tanner" to treat of arts and sciences with which he is not practically familiar. Besides, it would tend to weary older tanners and cbler students in technical literature.

The writer has, therefore, confined himself to the practical workings of leather manufacture, giving, in fact, his own personal experience in the making of several styles. It has been his special aim to use the plainest and simplest language, so that he who runs may read, and he who reads and follows the instructions given may profit thereby, whether he be an amateur or a professional tanner.