

THE STORY OF ALCHEMY AND EARLY CHEMISTRY

(The Story of Early Chemistry)

BY

JOHN MAXSON STILLMAN

The more I try to understand chemistry, the more I am convinced that the methods, achievements and aims of the science can be realized only by him who has followed the gradual development of the chemical ideas.

M. M. Pattison Muir

DOVER PUBLICATIONS, INC.
NEW YORK NEW YORK

CONTENTS

CHAPTER	PAGE
PREFACE	v
I. THE PRACTICAL CHEMISTRY OF THE ANCIENTS	1
II. THE EARLIEST CHEMICAL MANUSCRIPTS	78
III. THEORIES OF THE ANCIENTS OF MATTER AND ITS CHANGES	104
IV. THE EARLY ALCHEMISTS	135
V. CHEMICAL KNOWLEDGE OF THE MIDDLE AGES	184
VI. CHEMISTRY IN THE THIRTEENTH CENTURY	230
VII. CHEMISTRY OF THE FOURTEENTH AND FIFTEENTH CENTURIES	273
VIII. THE PROGRESSIVE SIXTEENTH CENTURY	300
IX. CHEMICAL CURRENTS IN THE SIXTEENTH CENTURY	353
X. CHEMISTRY OF THE SEVENTEENTH CENTURY	379
XI. THE EIGHTEENTH CENTURY—RISE AND FALL OF THE PHLOGISTON THEORY	424
XII. THE DEVELOPMENT OF PNEUMATIC CHEMISTRY IN THE EIGHTEENTH CENTURY	461
XIII. EARLY IDEAS OF CHEMICAL AFFINITY	499
XIV. LAVOISIER AND THE CHEMICAL REVOLUTION	511
BIBLIOGRAPHY	540
INDEX	555