lisher owes his gratitude for the principal subject-matter of this work, and also that it needs no further recommendation as to its practicability, he feels as though it is but doing justice to those who merit it.

To further add to the value of the work, he has reprinted from the Industrial Record of 1874, the "Rules for the Production of Cloth on Cam Looms," by "E. P." Also from the Textile Manufacturer of 1876, the "Spreading the Warp Threads in the Process of Weaving," by "A Practical Man." These articles have also been somewhat revised, but their general substance remains the same.

In placing this little work before the manufacturing public, the publisher believes he is supplying a long felt want, and as to how far he has succeeded in this undertaking, he leaves it for the craft to decide.

A. A. B.

March 10th, 1883.

CONTENTS.

PART I.

THE CROMPTON LOOM.

Chapter I.—Loom Fixing, its Introductory.......................... 9
  " II.—The Loom, its Setting, Belt, and Picking Motion.... 13
  " III.—The Box Motion and Shuttle Swells.................. 17
  " IV.—(Swells continued). The Filling Chain and Harness
    Motion.......................................................... 31
  " V.—Putting in the Warp. The Speed......................... 37
  " VI.—Shuttles Flying Out, Filling Cutting, Miss-Picks,
    Shuttles Catching, Shuttle Smashes...................... 30
  " VII.—Weights used for Temples, Uneven Cloth and its
    Cause.......................................................... 35
  " VIII.—Conclusion.............................................. 37

PART II.

THE KNOWLES LOOM.

Chapter I.—Its Advent into the Manufacturing World—Its Advan-
  tages Over other Looms—Its Mechanism—Suggestions to Chain
  Builders........................................................ 44
  " II.—Chain Building—Methods for Operating Boxes—
    Chain Drafts—Hanging Harnesses.......................... 47
  " III.—Working of the Fissions—Reversing the Chains for
    Picking Out—Setting the Chain Shaft Gear—Practi-
    cal Hints and General Rules................................ 54

PART III.

CAM-LOOM WEAVING & MISCELLANEOUS ITEMS.

Chapter I.—Rules for the Production of Cloth on Cam Looms. 63
  " II.—Spreading the Warp Threads in the Process of
    Weaving......................................................... 79
  " III.—Practical Hints on Weaving—The Management of a
    Weaving Room—Some of the Elements of Success in
    Weaving—New Notions and Old Looms—What
    Constitutes a "Good Fixer."............................... 87

Advertisements.............. fage—105 106 107 108 109 110