

**PLANT-LIFE: POPULAR
PAPERS ON THE
PHENOMENA OF BOTANY**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649140220

Plant-life: popular papers on the phenomena of botany by Edward Step

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EDWARD STEP

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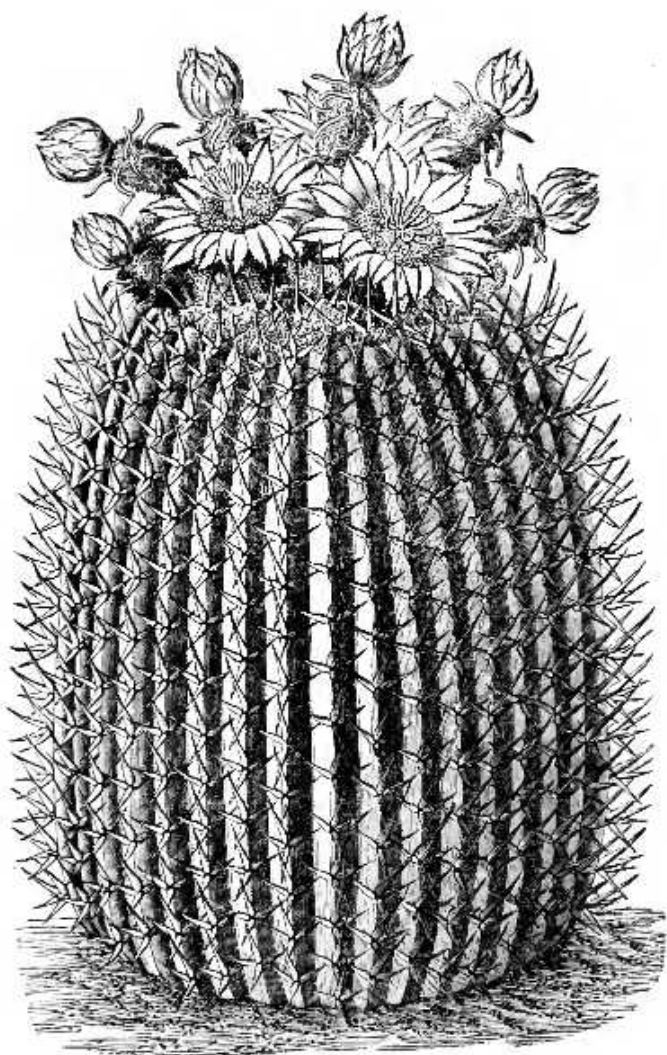


FIG. 78.—The Toothpick Cactus (*Echinocactus visnaga*).

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OF BOTANY

By

EDWARD STEP

1881

*WITH 148 ILLUSTRATIONS DRAWN BY THE AUTHOR
AND ENGRAVED BY W. M. K. QUICK*

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HENRY HOLT & COMPANY

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TO THE
OFFICERS AND MEMBERS
OF
THE LAMBETH FIELD CLUB
THESE PAPERS ARE
Dedicated
BY THEIR
FELLOW-MEMBER AND PAST-PRESIDENT
THE AUTHOR.

"It certainly is a marked advantage in the study of natural history that it leads you on by the hand; it inveigles you, if I may say so, into learning what is good and what is useful. Many a one might have his mind first opened to the attractions of natural history, which mind, if once opened, might perhaps be capable of applying itself beneficially to harder and more repulsive studies. These analogies of natural history are invaluable; they have a most gracious effect in developing the finer faculties of the mind; they establish a connection between the different portions of creation."—Right Hon. W. E. GLADSTONE, M.P.

NOTE TO THE AMERICAN EDITION.

IN Appendix B the American publishers supplement the author's scheme of the Cryptogamia with another compiled from the writings of De Bary, Farlow, Eaton, and others, in which there is an attempt made to divide these plants into orders of approximately equivalent value. It must be admitted, however, that scarcely any two Cryptogamists could be found who would agree on any system of classification.

