

**FARM APPLIANCES:  
A PRACTICAL  
MANUAL**

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Farm Appliances: A Practical Manual by George A. Martin

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**GEORGE A. MARTIN**

**FARM APPLIANCES:  
A PRACTICAL  
MANUAL**



# FARM APPLIANCES.

A PRACTICAL MANUAL.

EDITED BY  
GEORGE A. MARTIN.

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## INTRODUCTION.

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Inventive talent has completely revolutionized the processes of farming. The work which required the labor of many, under primitive methods, is now better done by one person with the aid of improved appliances. To explain and illustrate some of the most practical and easily made appliances is the object of this volume. They are such as secure greater comfort to domestic animals, provide supplies of wholesome water, economize labor and assist in dispatching much of the important work on the farm. The hints and suggestions herein contained are the result of practical experience. It is believed that every farmer, gardener, householder, in fact every one interested in labor-saving contrivances, will find very much of interest and value in this volume.

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# FARM APPLIANCES.

## CHAPTER I.

### RACKS, MANGERS, STANCHIONS AND TROUGHS.

#### RACKS AND FEED BOXES FOR HORSES.

There are various forms of racks, mangers and feed-boxes for horses. One of the worst devices is the old-

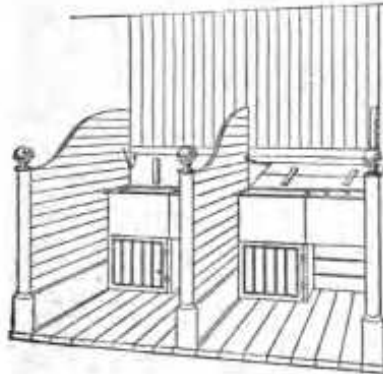


Fig. 1.—FEEDING RACK FOR HORSES.

fashioned hay-rack, extending from the manger high above the head of the horses, which are compelled to reach up for their hay. This is a most unnatural position for a horse, which does not, when out of the stable, take its food like a giraffe from trees, but from the ground. Aside from this, a high rack causes the double peril of getting dust into the lungs and other objects into the eyes of the horses. The above en-

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