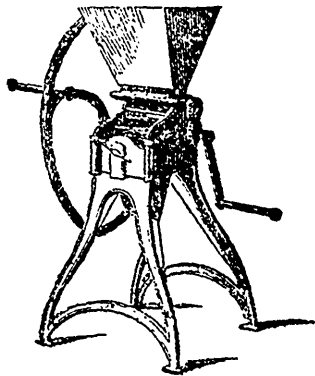
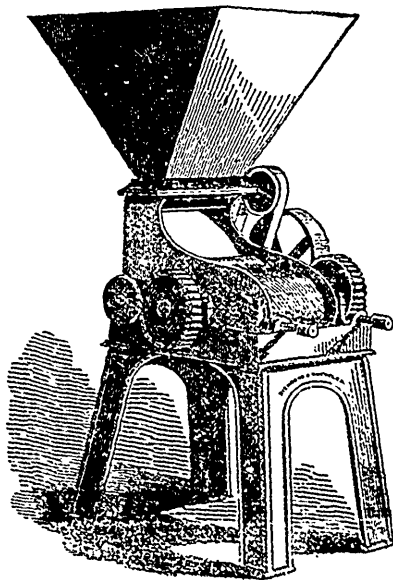


farmer to use every means in his power to economise his fodder and grain, which cannot be done without some efficient machinery to accomplish the work of disintegration. With this view we present our readers with a short description and illustrations of RICHMOND & CHANDLER'S GRAIN CRUSHERS, manufactured at Manchester, England. This firm has long been favorably known to the agricultural public, both at home and in the Colonies; and they seem determined to keep the pre-eminence in the manufacture of machines essentially their own inventions.—They have evinced untiring energy and skill in the improvement of Grain-Crushers, which continue to sustain their high reputation, by the very careful and accurate finish of their machines, thus causing exactness of performance and diminished friction. Conscious that to excel is a certain means of procuring increased trade, their utmost endeavors have been taxed to produce mills for all kinds of grain, upon the most approved and scientific principles, to attain which they have been aided by their safe and invaluable guides—long practice and great experience. The peculiar construction of these mills consists in their effective arrangement for bruising the various kinds of grain without change of rollers, and by the extent of their operations, materially reducing the cost of crushed grain, at the same time sustaining the commercial fact, that an article to be really cheap must be good.



The above cut represents a perspective

view of one of the smaller kinds of Richmond & Chandler's Grain Crushers; and is adapted, like the larger sorts, for reducing peas, beans, oats, Indian Corn, &c. It is simple in its construction, having diagonally machine-fluted and case hardened rollers, and for its size and price is of great efficiency and durability, and mounted on iron legs. A simplified feature in this mill is the employment of a setting screw on the back of the feeder, a slight turn being all that is required to increase or diminish the supply on the working rollers, which are so formed as to have both a cutting and a crushing action; and, by the new application of feeding, can be regulated to suit the strength of one boy, and will thoroughly crush by this small power a bushel in ten minutes. The rollers may be set any distance apart by a simple screw in front of the mill, which moves in parallel bars the front roller, and, with the least pressure of the finger can be made to adjust the rollers to bruise to any degree of fineness. Size of rollers 7 inches by $3\frac{1}{2}$ inches. Price, £5 5s. sterling.



The above cut represents a mill manufactured by this celebrated firm of a larger size.