

department of national industry, but the most powerful stimulant to her agriculture."

A NEW-JERSEY farmer has experimented as to the depth of sowing wheat, with the following results:

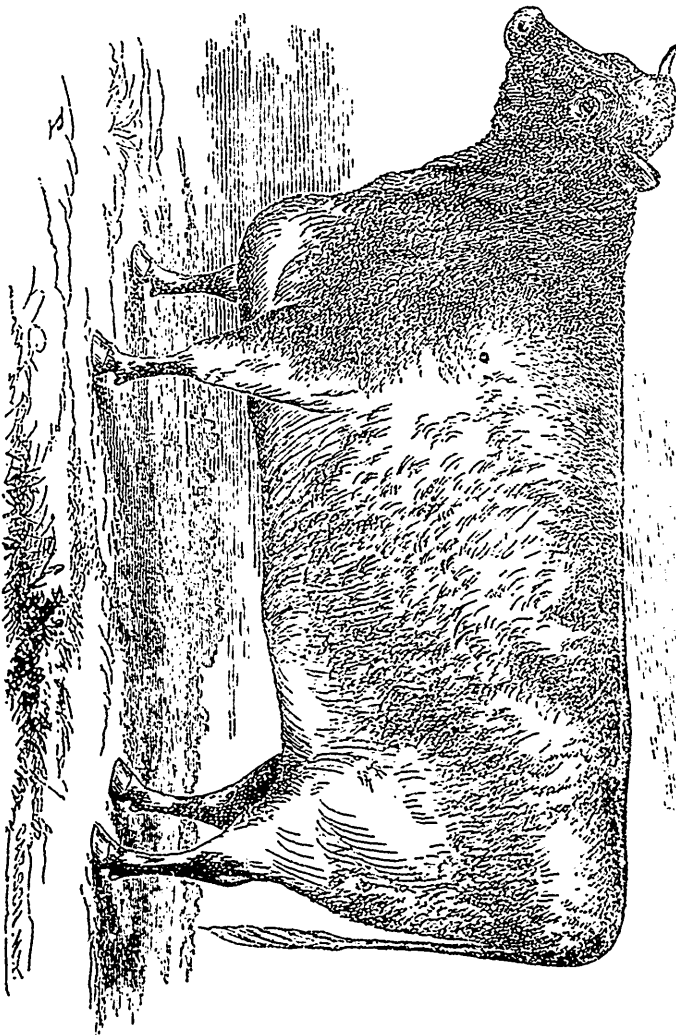
DEPTH SOWN.	Appeared in days.	No. plants came up.
One-half inch.....	11	3/4
One inch.....	12	all.
Two inches.....	13	3/4
Three inches.....	20	3/4
Four inches.....	21	3/4
Five inches.....	22	3/4
Six inches.....	23	3/4

Mr. J. E. PORTER of Central Illinois has for several years mixed one-third oats with his seed wheat,

and according to the *Western Rural* gets much better crops than when wheat alone. Last year wheat alone was nearly a failure, while that with oats produced fair crops. Mr. P. raised fifteen bushels of wheat and thirty of oats per acre. The two grains are harvested together, and are readily separated by any the new fanning mills.

TO PREVENT A GATE SAGGING.—Henry Stewart, Stroudsburg, Pa., prevents his gates sagging, and the posts heaving out in winter in this way. "I frame the posts above the sill frame a second sill into the posts, and pin the tenons with stout pins. I dig a trench sufficiently deep to sink the upper sill a few inches beneath the ground, and hang my gates. Such posts will not move while timber lasts."

"RUBERTA," THE PROPERTY OF JOHN MILLER, ESQ., BROUGHAM, PICKERING.



THE IMPORTED PRIZE HEIFER, AT THE PROVINCIAL EXHIBITION OF 1869;

The Live Stock.

THE IMPORTED PRIZE HEIFER, 'RUBERTA.'

Herewith we have pleasure in producing an engraved portrait of "Ruberta," a beautiful Short

Horn heifer, imported from England last summer by Mr. John Miller, of Brougham, Pickering, and winner of the highest honors in her class at the last Provincial Exhibition; also a conspicuous member of the herd that took the Prince of Wales