## Communications

## ON THE MODERN SYSTEM OF BRAINAGE.

AND ITS APPLICATION IN CANADA.

(For the Canadian Agriculturist.)

As in every other productive art, so in Agriculture, its progress, from primative simplicity, to scientific cuttivation, is the mevitable couse. ; quence of enlarged demand on the one hand, and increased competition on the other. The earlier or later developement of the result may of course be affected by various circumstances-social, political, or geographical-but it is sure to follow: in Holland and the Low Countries, for example, these causes combined to render them at a comparatively early period, the best on tivated districts of Europe; whilst Great Bottam, so long in a transition state, has at length entered in earnest on the great work of Agricultural improvement. France, Russia, and other parts of the Continent are still content to toil on in all the apathy of pastoral primitiveness; although, in the former country, there have of fate been indications of a conscious necessity for Agricultural progression, and it is more than probable that the recent internal changes, coupled with the effect of passing events, will stimulate a rapid advance in its rural economy.

Now as introducing to our subject, and as affording matter for reflection, as well as examples to be profitably followed and avoided, it may not be altogether uninteresting to trace briefly the progressive condition of Agriculture in the Mother Country, during the past half of the century. And if, in so doing, we should recall to mind those halcyon days when, with wheat at 15s, per bushel, the toast of "better times" was the cherished sentiment of the mar-· ket tables, it will be assuredly with no longings after the evils happily passed, and of which, even to this hour, we, in common no doubt with many, retain familiar recollections; for it was our lot to be born under a Vicarial Roof, in a midland county, and so in early life to witness and to feel those exemplary continuances, for the elongation of incomes, which the necessities of the times established as fashionable, in order to their being admissable. The great feature of advance which characterised the first quarter of the century, was the inclosure of open commons, and uncultivated lands; than which nothing could more distinctively mark the desire to reat the more easily producible and abundant crops of a virgin soil, than attempt a systematic increase of the comparatively costly and precarious yield of the old-going lands. From the year 1800 to 1825, there were no fewer than 181: Acts of Parliament passed for Incosures, conprising a total area of 3,400,000 acres, which were either fully or in part brought into increased productiveness. And yet it may be questioned ow far the general amount of available produce was augmented by these means; and whether, .in fact, they did not actually promote the neglect of the old inclosed lands, as well as conduce to a

considerable extent of the inferior soils being laid down most imperfectly and unprofitably minerass.

As an element which is supposed to materia"; as at the state the advance of cu'tivation, let us at the statistics of the price of Agricultural produce, during the period under towiew, in order to form some definite idea of the influence which from time to time they practically exercised.

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The first noticeable feature is the ruinous & pression of 1803, and again in 1815, both occ sioned by the transition from war to peace, a both alike prosucing senous consequences. is curious to observe how very nearly the: centage of depression was the same in both stances. In the three successive years of 18 '22 and '23, comparatively low prices prevaice so also in 1834, '35 and '36, the result for most part of favorable harvests. In 1835, t price of wheat was as low in England as ever has been since. If the higher range of prowas conducive, as some have contended, to 4 proved cultivation, its manifestation was of indefinite and partial a character, as haidy assume any perceptible form. Iso ated insta ces certainly were not wanting of tracts of 2 rendered productive by improved managems which heretofore had been of little or no vaid the Counties of York, Lincoln and Norfolk torded some memo-able examples—neverthel there was not, prior to 1821 (when lower proset in) such an aggregate desire for advancewould induly ably have left belind it some m indelible evidence, had the opinion been com toat high prices ensure improved cultivation In some justification, however, of we at at 4 -ight seems paradoxical, it must be borne mind that in Great Britain, there were, till cently, other causes which interposed barries improvement, that no prices of produce, how agh, could counterbalance; and, as the chie these, may be mentioned the law of entails -ettlement, whereby life owners and life te 2 — some from prudential considerations, and old from necessity—were ever discouraged from ing out money in improving property which " descend perhaps to an already wealthy heir law, to the prejudice of all the junior memb of the family. In Scotland, where more