exhibits the most juportant discoveries and improvements in Agricuiture, Mechanics, Chemistry, Botany, Geology, Zoolory y, Meteorology, \&c., torrelier with. Statistics of Growth and Production, Tables of Ameriean Patents, Catalogue of Fruits adapted to difdifferent localities, and the Bditor contributes a most valuable and compreliensive leview of the Progress of American and Foreign Agriculture lor the present year. The mechanical execution of the work is creditablo in the highest degree to the publisbers-it is printed on excellent paper, is illustrated by a portrait of Mr. Downing, by several beanifully coloured Engravings of Flowers, and an endless variety of Woodens descriptive of Machinery, Implements, Houses, Barns, Se.

Dye's Bank-Note: Plate Delineaton.This publication continins a perfeet deseription of every part of the genuine bank bills cireulating in the United States and British Amorica. It is a volume of 300 pages, and over three years have been spent in its preparistion, at an expense of $\$ 30,000$. It is reconmonded by ali the bank note engraving companjes in the United States. The olitee of Mr. Dye is 172 Broadway, New York. We append two of the certificates to the value of the work. Further comment is needless.

New York, October, 1855.
John S. Dyf, Esquite,
Sinj-laving examined the plan proposed in your "Bank-Note Delineator," for enabling the public to detect spurious and altered bank-notes, by furnishing accurate descriptions of the genime notes of all the banks of the country, we take pleasure in expressing our approval of the same, as aflording a simple and effectual provision against that species of fraudulent piper money.

> - Respectfully yours,
> Rawdon, Wureht, Hatei \& Enson.

New Yonr, October, 185̄.
John S. Dye, Espuire.
Dear Sti,-We take great pleasure in enclosing Mr. Cary's opinion of your BankNote llate Delineator, and in recommending it as a work of the greatest utiluty. Respectfilly yoirs,

Topina, Carpenter \& Co.

## agricultural meating at pambiam,

 ENGLAND.The sixth amunl show of the Padihan (Lamoashire) Apriculural Society was held on Thmrsday, J8ih Sept., and was considered the most successtal exhibition jet held under the auspices of the association.
The anmal dimer took placo in the evening in the Padihann disembly-room, Mr. Le Gendre Nicholas Sharkie, jum., presiding.
The usual preliminary toasts having been duly honoured, Sir J. P. Kay Shutleworth, in proposing : The Yoalth of the Lord-Lientenant and Magistmes of the Comety," sail, the Lord-Dientenant and the majority of the Magistrates of the County are great landowners, and as such they have grent social duties to perform. In connexion with associations such as the one which is assembled here to-night they have duties of a nature deeply inturesting to the members of such
character may be made chiedy useful if we each according to our ability, conmbite that share to the common stock olfinformation which our opportunities best fit us to imparr. My own acquaintance with agroculture is necessarily of a very limited mature. It is continal to those general mprovements which are necessarily the function of the propretor, such as the genemal dramine of estates. the inprovement of lim buidings, and the introduction of those permanent meaus of adrancement in the culture of the land, such as the means of storing liguid manure and so on, which are properly the duties of a proprictor. (Hear, hear.) I have also felt it my duty, as I kow it has been the custom of some of the gentle-: men who surround his table, to make myself well aequainted with those improvernents in seience which athect the progress of agricul-ture-1 mean such knowledre is is conveyed by books. And there is inone direcelion inn opportmity which I have possessed of late years, owing to the necessity of foreign travel for the rostoration of my health, for 1 have been enabled to bestow now time and a good deal of minute attention on a comparison of the systems of loreign agriculture with that of the Britisl. What oceurs to me, therefore, in relation to that which is the objeet of our meeting to-nitht, and that which I may say calls upon me to spoak as a duty, as a magistrato and a proprietor in this county, is that which I can best do in connexion with the objects of this meeting,-1hat 1 should in some very brief and general terms, without at all descending into minute and fatienting statistics, give you a slight sketch of whit appear to me to be the great features of contrast between loreign and British arricultme. Now, I im very happy to siny, at the outset, that in many most important respects the agpiculture of England has made, espevially in the preseat century, an enomous adrance over that of our foreign neighbons. Thiat advance has been owing to the application of some very simple principlos in the breeding of cattle and in the culture of the Iand; and to these I will ondenvour to direct jour intention, beenase I think we may learn oven from our pasi suecesses and from having a clear ideai of what are the prineiples of promress that we have hitherto pursued, and which have given us a great advantago over our neigh hours, in what direction our eftorts may best in future be turned. In the first place, anyboty who travels abroad will be greatly struck with the rast difference which exists in the breeds of cattle in tho varions comatries of Europe. It is very common throughout the wholo of Eunopo to employ the cattle to an immenso extent for purposes of habour. Almost all the farm work is performed by oxen, and likewise a very farge gunatity of the cartage of the continent is performed by oxen, and not, as in this eountry, by horses. Weven in the case of a gentleman's carriage abront, when it comes to the bottom of a very, steep hill, the velays at the batom of the hill are not relays of horses gemerally, bun of a loner tom of oxen, which drag the carriage to the top of the hitl at a very slow pace, Now, there is a very great consegueme of that which your own show today will make you all once aware of,that it has been the great object, it the breeding of cattle abroad, to grive graat prominence to bone and strength as the means of habour, in preference to that which constimes the great objeet of breeding in Engrand-the smallness of the bone, the early deliency and precocity of the animal, the roundness of
form, the bulk, and instead of great capacity of labom, such bulk us is a treat lindance cuen to locomotion. Now, the way in whieh this areat change in the character of the broeds of catte in lengtand daring the last 80 or 90 years has been prodoced has been by the principie alselection. Mr. Batsewell, with respect to the Leicester breed, the Elmans, with respeet to the Sunthdown breed, :and Mr. Collins,-with respect to the Cheriot breed. have produced an immense chande, for example, in the sheep of this conntry. They have produced sheep with areal rotandity ol form, with exceedingly small bone, with great weish, but with very small powers of locomotion; and the same principle has been: plied to cattle, the Shorthoms, the Hersiord breed; and tho Ayrshire breed being all characterised by the same qualities, smallness of bone, the great bulk of watcase, and the latreamount of meat that they will yidd. In Engtand, likewise, in reference to sheen, wo have thoight much more of the production of mont than wool, whereas in France and a larye pat of the continent, igriculturists have paid mueh more attention to the production of wool than meat; and one of the conseguences has been that, even in Endidad, seeing that we have preferred the protuction of meat to that of wool, the carcase of the sheep has been much larerer, and thorefore the flecee has been much larger, and in England the value of the fleece has been on the aremare as great as in France, while the value ol'the meat in England is doubte the value of that in France. Connected will these principles has been a third. The breeds of sheep and cattle produced in Laghand have not as I said before, been calculated for endarmee of labour, as they are on the continent, and consequenty they have hat little bone, but they have been also breds of great delicacy. The principle of selection has been precocty of growth; the breeds of sheep and cattle, whthone exception. arriving at their maturity in two years, and they are ready for the butcher at the end of two years, whereas the breeds of cattle in France and on the continent enemeally are kept many years for purposes of labour, affer they have arrived at the greatest grownh. Therefore the whole consumption upon the farm for the maintenance of these cattle is simply expended in labour, and it was evidently a lalse economy which led the French to suppose that, while they were having the advantare of the catle for labour, they were also greting some advabiage of them in meat; for, atter two years, with an animal property selacted for the jurpose, there is no inerease in buth, and it is beter to kill the animal. Now, these principles, which are very simple, the principles of the selection of the breeds of catte in England, are comnected also with another vety great change in Eangand-lhat is, with the introduction of the rolation of crops, with the limitation of the extent of land applice to the purposes of growing conn, with the application of richer manares, with the liceping upon the land of the largest amomat of slork, and therefore with the production of the lirgest possible amount of corn from tho lamb. Oin the contrary, in Franee and over ahoost the whole of the continent, the plan of furows stifl remains, the land is $t 0$ a very great exten, very generally, much richer Than that of Pagland; there is a much larger extent of arable dind, and it is land genemilly of a mach more friable nature; and the climate is in every respect better adapted to tho stecess of agricultural operations, yet.

