nary blacksmith repair any part which might give way. The difficulty was that as it was impossible to postpone the cutting of the crop, there was not time for remedying any defect which might be discovered, and affording the opportunity of another experiment. At last, I resolved to make arrangements for a field of wheat to be kept for the purpose of experiments, and I believe the last portion was not cut till the beginning of November; but I was amply rewarded-the result being that I have got a most complete implement, and one which I have used constantly for the last three or four years; indeed I have four, as I consider that on a good sized farm, a couple of machines are of great use. I gained the first prize at two meetings of the Highland Society of Scotland, but did not exhibit at the English Society last year, though I intend to do so at Leeds this year. I will now proceed to give you my opinion, founded on considerable practical experience, on reaping with machinery. and on the different machines now in use .- of course my opinion can only be taken for what it

In the first place, I consider that a reaping machine without self-delivery is an imperfect implement, in so far, that it is no saving of expense, while one great advantage, that of corn being laid down lightly on one side, to which reference will heareafter be made, is lost. the other hand, there is no doubt that where hands are scarce, or on small fields and very hilly ground, one with self-delivery may be used with advantage. A considerable number of these have been sold by different makers, and I suspect the cheaper rate at which such can be made, than the self delivery machines, has been an inducement to farmers to purchase them, in spite of their requiring two men, one to drive, the other to take off, which last is not able to do a good day's work if the crop is heavy; and, indeed, even with a light crop of Wheat, no man can continue such work for a number of days consecutively, whatsoever he may do for a mere exhibition. There are, I know, several ingenious plans for assisting the raker, but nothing equals the sel-delivery. It is difficult to form a fair estimate of the respective merits of machines seen only at shows, as on such occasions they are driven rapidly, which makes them cut better, but the fatigue consequent thereon to the horses makes this rate of speed impossible in practice. The self-delivery machines, however, which I am about to mention, do not require to be driven fast in order that their work may be performed I will only speak of those with which I am practically acquainted, namely, Wood's, Bell's Burgess & Key's, and my own. Wood's, Bell's Burgess & Key's, and my own. combines mowing and reaping, a combination which, at first sight, appears advantageous, but which, I am satisfied, does not answer in prac-Wood's moving-machine is a useful implement, but the bar is too weak-yields in passing over uneven ground, whereby the cutters are

impeded in their action, and some part must given. The provision for rising and falling, cording to the lacqualities of the ground ingenious, and is in this respect superior to be gess & Key's mowing machine, which is attolerably effective. It is comparatively easy cut seeds, but close meadow Grass press greater difficulties to the action of machiner Wood's reaper, though light, is superior, in opinion, to either of the other there above narbut will need several improvements before

comes into general use. "Next, with regard to Bell's, this is a re perfect reaper, which has gained many privand is extensively used by farmers. It has great advantage of passing through gates each it also cuts out a breadth of the crop for its which in the case of all other machines has be done by the hand, or with the scythe i which is, in fact, no real objection in practi-A very ingenious plan has been devised by Bell for laying the corn, if required, in shear considered by some as advisable, in which or ion I do not concur, as I believe it takes a fr m one of the benefits of reaping machines which I shall refer later, that of the advanta derived from the mode of depositing the gr by self-delivery machines. My objection to machine is, that it is heavier in draught the mine, and requires a driver of some little ex ence; but, nevertheless, it is a very good in ment.

I now come to Burgess & Key's reaper. Iis the most generally used self-delivery resper any which has yet been invented. Like m it is an improvement on McCormick's, the livery being effected by means of revoluscreens, and it does its work admirably. I also driven in the same manner by a man sit in front, who has complete command over working gear, as well as over the horses. . ploughman, with common intelligence, a taught in a brief period of time to mana machine driven from the front. It lays the very evenly, though, perhaps, not qu'x well as Bell's, and, in some cases, appare better than mine; but it is only in appear-the outside straws being caught by one of screws, are laid at right angles to the man covering the deposits beneath, which lie 1 or less obliquely. The external layer, how looks well to the eye, and may tell at as but it is no practical benefit. The object find to this machine is, that it is rather he to drive than mine, and that, with a heavy of Wheat, the screws do not catchthegrain, With mine, or stoppages are frequent. contrary, the reavier the crop the better ite but, with regard to light Barley crops, Be. & Key's machine has, I think, the advan-Bell's I should say, has the merit of being eq efficient in both cases. I have endeavon give, fairly, my own impressions on these chines with which I am acquainted. I will