rse power implement, costing 601. 10s, thrashed e same quantity in 4 minutes, "clean," the ain being little broken.

It is right that we refer to the Peg-drum Main-, in which the grain in ear being fed into a machine in the usual way, is seized by the gs on a revolving cylinder and dashes against e pegs in the cover of the cylinder, between ich they pass. The principle which one would phose very faulty is, nevertheless, found inactibe, we understand, to answer admirably, e straw being cleanly threshed without being uch broken.

We did not notice much novelty in the Winwing Machines exhibited. Mr. Cooch, of orleston, near Northampton, carried off the Clyburn's Corn-separator, consisting of Archimedian screw, surrounded by a cylinder wirework of a fineness increasing from one end the other, was exhibited by Mr. Hornsby. e grain introduced at the one end, gradually sses, by the revolution of the machine, to the er, and is thus subjected to the action of an inasingly-coarse sieve, and as it passes through s caught in different bags, the small, imperfect, d broken grains in that near the fine end of the olving sieve, and the larger and finer grains at other. Under this class of Barn implements. must also refer to Barley Hummellers. 'We ice two; both of them had been formerly exhied, one by Mr. Cooch, of Harleston, which plies its own hopper with the grain, by means an elevator, an excellent contrivance, as we ow from experience that the efficiency of this d of machine depends greatly on the regularwith which it is supplied. Then grain raised this elevator falls into an upright cylinder. n which it is allowed an exit, at such a fale. p red with the supply, as to keep it always a ain, height within the cylinder; and an upt shaft, furnished with cross-bars, revolving hin it, grinds and breaks the awn, reducing it. ict, to powder, so that the grain escapes enly denuded of it.

haff Cutters.—The prize was awarded, as it last year, to Mr. Cornes, of Barbridge, near twich. It consists of three radiating curved es, fixed in the ordinary way on a wheel at angles to the feed-box, and the feed is consus, not intermittent. In other machines, as it's Guillotine Chaff cutter, those manufactors by Messis. Ransom, &c., the straw or hay

in the feed-box is stationary while being cut; and this is necessary if the cutting surface be in a plane directly at right angles to the straw, because the knife would then be a hindrance to the forward motion of the material, but if the knives be inclined so that their edges only shall move in that plane, while their surface trends away from the straw in its forward motion, then there is no need of the somewhat cumbrous and expensive apparatus for producing the intermittence to which we allude. Mr. Cornes' machine is thus described in the cuitlogue :- " A Chaff-cutter muchine, with three knives; invented and manuface tured by the exhibitor; to be worked either by two men or machinery: breadth of cut 12 inches, depth 24 inches ;; and makes five different lengths of chaff-two for horses, two for cattle, and one length of Linches for litter. It is also fitted up with an additional pair of feeding-rollers, which regulate the materials before entering the front ones next the cut, whereby the danger of the feeders getting their hands entangled in the hay or straw is entirely avoided, when the machine, is driven by steam or other power at a great velocity. Price, delivered, at Barbridge, 141. Mr. Gillel's machine, already alluded to, is thus described: - The knife is accounted by a crank moving it up and down; it has two edges and cuts both ways, passing through a groove, whereby the feed gets a hearing on both, sides whilst sit is cut the perpendicular motion preventing the roller from becoming clogged. There is also, as delay motion in the working of the machine, by which the feed is at rest during the ascent and decent of the knife. Price at the factory, 51. 5s," It is certainly the prettiest, and, takinggita construction into account, we should consider it one of the cheapest machines of the kind we have seen. It appeared, too to be very efficient. We, must not omit reference to a very simple attachment to a chaff-cutter, exhibited by Mr. S. Smith, of Northampton, by which the knives can be instantly put out of work in the event of accident. This contrivance is worked by the:foot, and the pedal which works is placed so that the first instinctive kick of the person feeding, whose hand he may feel is being drawn between the rollers, shall suffice, in the first place. instantineously to stop the rollers, and in the next place, by means of a break, rapidly to stop the iknives.

Olod-Crushin .- Mr. Crosskill's well-known