then turned by a board behind, and comes out ever the upper part of the two under rollers, receiving the pressure of the fluted parts in the five rollers, which deliver it on a board in the front indented by the action of the several rollers; it is then ready to be handed over to the scutchers in the mill to be cleaned out, that is, the shives or short wood, taken out by the action of scutching handles.

Although I admit those rollers do the work to-

scutci. kall, I shall describe the simplicity of the out by proper attention to this in all the stages of machinery. The common fly-wheel used for the process. driving sienes in a corn-mill, will drive a shaft Effects and Use of Flax-water.—I was often or scutcher holds two-thirds of a handful of flax bog-earth thrown into such water would Le, when (called a streik,) under those swords, keeping a taken out, valuable. tight hold of the other one-third until the large with their more experienced rivals the Belgians: in order to have it early in the market, to meet the grower, I shall point out the error; first, raments made by gentlemen in Norfolk who have those persons glut the market in Oct., Nov., and produced fibre equal to the best Belgian, and I Dec., and so anxious are they to have their flax have pleasure in informing them that I have been early to market, that often have I had to allow lately favored with letters from some of he most

pressed down by two levers with weights; it is my men to work day and night, as those workers are paid by weight for what they clean or scutch, there is always great loss in their being so hurried by the owners. Much of the finer fibres are cut up and lost in the stem, or wood, and the ends of the flax also much cut away. I consider the system of paying workers by weight a very bad one, as the loss, if the flax had got too much water, and turns out soft, is very great, when hurried over; this has been ascertained by weighing 1 cwt. of rough flax, and having it scutched by lerably well when carefully attended, I cannot hand at home, and comparing it with the same but condemn them, and all the inventions I have weight done in the mill; there is much room for yet seen for that purpose, for two reasons: first, improvement in the scutching department of the they are dangerous, and men often lose their arms, business. I have also another reason for contlus: the flux will sometimes go wrong in them, demning the system of steeping the year it is and men forget themselves, and in attempting to pulled. The Belgians keep it ever to the next rectify the flux their hands are caught by the season, and I believe the flux is the better for it; rectify the flax their hands are caught by the rollers; another reason of objectio is, the flax is fiequently much tossed, and delivered uneven, and this causes much waste or loss in the scutching or cleaning process, therefore I intend to recommend a machine free of all danger, that will break or indent it, in a lying position, without tossing or making it uneven, which I am prepared to prove will be a vast saving in the scutching.—In the mill at the scutching stalk or board it is prepared for market; and as it is or board it is prepared for market; and as it is and an abundant crop is to be found scutch knill. I shall describe the simplicity of the

for 6 or 12 men to scutch at; on the end of this struck with astonishment after rain in the months shaft a small spur-wheel is fixed, with cogs calculated to work on the face of the fly-wheel. This ber of large trout dead in the water course to my shaft has from 6 to 12 pair of arms driven through mill, from the effects of the water which had it from 31 to 4 feet apart; on those arms are fixed, been let off from the several pits in the neighborshort swords or handles of beech, one on each end; hood where flax had been soaked. I am glad to those arms, crossed in the shaft, revolve according find that even the water in which it is steeped to the power let on the water-wheel or engine, can be turned to a good account. Some of the and pass round within from 2 to 1 inch of an up-members of the Belfast Society have been trying right and stationary standard made of hard wood, experiments, and find that it can be returned to (called the scutching stalk,) over which the man the land in the shape of manure. I should think

Having given an outline of the plan of operation portion is clean, when he turns the other end of by which I and others have been successful in the streik, and in a similar way feeds the swords, cultivating flax, and having watched the mode over the scutching stalk, until by the action of of management pursued by others in Ireland, who those swords the last of the wood, or stem, on had year after year prime flax, I cannot imagine which the flax grew is dusted, or driven out, how men can be so prejudiced as to assert that leaving the fibres all together, like some hundreds; the growing of flax is a lottery. I am aware of narrow ribbands. The rollers are also driven; that it is not every man who wants to do so can by a lying shaft, from the face of the fly-wheel. grow it of the quality; he must give time to This is the whole process, as followed up in Ire-, bring his ground into a proper state of cultivation. land by those who are endeavouring to compete Added to this, as there are a great number of farmers un'informed of the value and variety in formerly they all watered their flux when pulled, | quality of flux, they must have Belgian teachers, or be guided by the Belgian system of managethe payment of their November rents; but this ment, before they can compete with our foreign mode of management cannot be too strongly con- neighbors; however, I do not despair of their deneted; and as it is much against the interest of success when knowing the result of several expe-