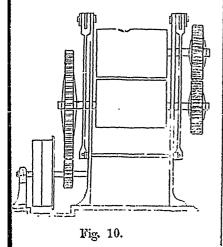
We will suppose that water at 90 degress has brered the straw in the vat, and that the supply has been checked. Fermentation ensues, and arbonic gas begins to be evolved four hours ferwards. The flax stems-well, and water is breed into the overflow pipe. A white froth



and scum now appear on the surface, and gather as the evolution of gas increases. The water is changed in color and taste. Hydrogen must also escape, as the application of a light ignites the whole surface of the water in the vat.

Sufficient water at 90 degrees is now admitted, to cause an overflow, which removes impurities, and leaves the flax in a fairer condition.

If the temperature falls too low, steam is easily let on to raise it to the required temperature.

Before the introduction of wet rolling, flaxstraw was steeped for sixty and seventy hours. This improvement, with judicious management, has reduced the time to forty.

When fermentation has proceeded far enough, the vats are emptied, and the straw is immediately rolled. Before being caught by the rollers (Fig. 10) jets of pure water from a pipe above the feed table, fall upon it with a cleansing effect.

After passing the first pair, it is taken by a second and a third, between which it may be turned. Much of the epedermis is thus removed, thereby facilitating the subsequent processes of drying and scutching.

A system of levers is applied to each pair of rollers, which may be understood by a reference

to Fig. 11.

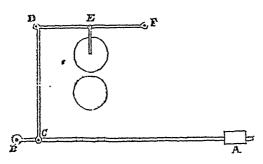


Fig. 11.

he weight A, equals 124 lbs. Its distance of the prop B, is 43 in. and the distance of power C, from the prop is 3 in., therefore 112 1777 lbs., the power. Calling this of the weight in the upper lever, its distance the prop F equals 17 in., and the distance the power E, from the prop is 9 in., therefore 12 3356 lbs., the pressure on the flax as see through each pair of rollers.

Il kinds of flax will not bear the same at of pressure. This however, is easily sted by moving the weight A, nearer the

the flax leaves the rollers it may be treatdifferent ways which are described in order. The first is field drying, which is by far the best, if sudden changes of weather were not to be encountered. Even with this drawback it must not be overlooked.



Fig. 12.

A woman puts a band round the top of a bundle of Flax after it leaves the rollers; these are laid on a truck, and carried by rail to the field. They are dexterously set on end in a sugar-loaf form (Fig. 12) and known as rickles. In some retteries, the bands are taken off, and the ends opened. When perfectly dry, they are bound and put in stacks.