

S I have said, we had OF GOLDEN BARLEY INTO golden barley, all ready for harvesting, as our friends drove us through the led out, and then "agitated" The average time in the kiln is beautiful country-side around by five "spindles" which keep be cleaned again by a vacuum turning clowby and regularly be cleaned again by a vacuum tract factory was over it had.

WAS quite sorry when our range of products of real national importance.

There were also wonderful extract factory was over it had.

to become malt extract, with they cannot begin to "grow." which we are all familiar.

The factory is about hall an our's drive from Edinburgh, at Kirkliston, another ancient and driven, and as the air comes in, it historic spot. The majority of the is drawn down through the perfornistoric spot. The majority of the is drawn down through the perforpeople there are dependent upon ations, making a constant circulation factory for their livelihood, and it is very large; very clean, and very important, with every up-to-date appliance and appointment for the comfort of the large staff. It has majority genden held. It has pretty garden-beds too, and is altogether most attrac-I especially remember the marigolds!

Ode By Burns

In olden days it was a distillery, famous far and wide for its whisky; and it lies in a picturesque spot between two hill, one of which is crowned by a beautiful Norman church, while on the other stands an old inn, in which Robert Burns once spent a night.

Such proximity to the home of the national beverage must have pleased him, because he showed his appreciation by writing an appropriate verse of poetry upon his bedroom window-ledge.

Would he, to-day, on smelling the sweet odour of malt, hurry back to the inn and compose an ode to malt extract? I wonder. They say there is no barley in

the world so fine as that grown here. It has first to be cleaned from dust, and graded, before being stored in large silos for a period, until it is ready for the first stage of the malting process.

WE went down to the lowest floor to see the barley being released from the bottom of the silos on to a very fasttravelling belt which carries it to a bucket elevator (something like we see on a dredge, only that the "buckets" are small) to be taken up to a higher floor.

Here it goes into big conicalshaped vats of water, called "steeps," where it stays until it is "ripe.".

three times.

THE grain is now dropped fires underneath.

down to the floor below A queer kind of "turner" moved.

Edinburgh.

Now we were to see the various processes through which the barley must pass, in order that the grains may thread-like rootlets, as well as the barley must pass, in order that the grains may thread-like rootlets, as well as the forms of spirals, bowls, and the barley must pass, in order that the grains may thread-like rootlets, as well as been a most interesting experition to found the barley must pass, in order that the grains may thread-like rootlets, as well as been a most interesting experition the forms of spirals, bowls, and ence, and quite a new one. The industry is such an important they cannot begin to form the source of those been a most interesting experition.

Following Nature

The spindles are electrically is drawn down through the perfor-

cording to the weather. They try to keep as near to Nature as

It was very interesting to see the little threads sprouting from the grain. At the right time, the growing is stopped by "weather-ing," which was explained as "blasting with air."

FROM the "saladin boxes" the malt comes out on to a conveyor belt, and is elevated

SEVEN-STORY SALON

Rubensteins, Fifth Avenue

A RECENT expansion of the Rubenstein Cosmetic Or-ganisation was the opening of a seven-story salon in fash-ionable Fifth Avenue, New York. There are many depart-ments in this "house of beauty," with a large staff of dermatologists, therapeuticians, gymnasts and other exworking behind the scenes.

Methods used in famous European spas were intro-duced, a sun-ray clinic was installed, and exercise rooms and a health-bar opened. The health-bar serves food

which is prepared according to the nutrition principles of the Bercher-Benner Sanatorium in Zurich. The salon proved an immediate success, and New York flocked to it.

The time for this varies accorded rops down through a shoot ing to the weather, but the averint into the kilu—a kind of big age is about seventy hours during age is about seventy hours, during room, really, with a brick floor, which time the water is changed which is perforated to allow which is perforated to allow the heat through from hot

down to the floor below into big "saladin boxes," where it becomes "malt." These "boxes" are like long tubs, which run the whole "turner" to go from one end of length of the great room, and are lined with perforated zinc. They are three feet deep, and the swollen grain is level-

The Mash House

of the malt, which is done by a six-roller mill; and it is This particular factory is then conveyed by a "screw" to owned by the Distillers Comcopper, called mash tuns, which look very spectacular, and plays. must take a great deal of metal-polish and elbow-grease to keep at that continual stage of glitter.

In these tuns more mixing takes place, for a certain period, and the resultant liquor is clear, and is called "wort."

This "wort" is now drained from the mash-tuns, and boiled and cona conveyor belt, and is elevated centrated in very big vacuum pans, to the top floor, whence it something like those used in sugar refining. This is the last process, for when sufficiently evaporated, it is run off into tanks through very fine sieves, and is now called "malt extract."

It has now only to be mixed with chemical food, or halibut oil, or cod liver oil, according to order. By far the most important mixture, from a health point of view, is the one which includes yeast extract, halibut oil, and orange juice—the latter from Dundee—famous for its marmalade manufacturing!

This mixture combines all the vitamins necessary for building up health and resistance, and is very much in demand, especially

by doctors and hospitals.
It is done in a special room, to which the plain malt extract comes in an overhead truck, to be put into a mechanical mixer with the other three ingredients. You hear me talking about this fine product in my morning ses-

THE whole factory is kept in a state of almost hospital cleanliness-such shining steel and copper, and spotless floors!

The well-known amber-coloured jars are tested and sterilized; and then filled by girls in blue and white overalls and caps, who put the filled bottles immediately under covers so that no impurities can possibly get inside before they are capped and wiped, and labelled, and polished up.

World Distributors

In the busy season, some sixty thousand jars per week are filled and dispatched to all parts of the world!

one, for malt extract is so much used nowadays in so many forms, and is known to THE next step is the grinding be such a valuable food.

the mash house, where it is pany Limited, whose pavilion mixed with water and put into in the Glasgow Exhibition was tremendous circular vats with one of the most educative and dome-shaped lids of polished surprising of all the many copper, called mash tuns, which "eye-opening" industrial dis-

> Beside the "spirits" side of the company's interests (which was also most interesting, with its diagrams and models of modern stills as well as the whole story of Scotch whisky-production from the very earliest days) there was also shown the amazing industrial development.

> dioxide, evolved in its manufac-ture, is used; the extraordinary versatility of methylated spirits made from it; and how it is used as a raw material in the synthetic chemical processes which give a

Chocolates, Too

There were even chocolat:s there, whose soft centres are manufactured from some product made from yeast! And some kinds of varnish made from synthetic resins; besides # new kind of motor spirit which is very good and very cheap to

Certainly "one thing leads to another" in a big company like this, with their chemists working in laboratories all the time, trying to discover how to make new things from different derivatives of the same foundation.

I can't remember nearly all the products in this D.C.L. pavilion, and I'm sure I've expressed it very imperfectly; my note-book doesn't quite express all I meant it to do, For instance, we got an idea of when I hastily scribbled down the part played in industry to-day everything that was told to me by ethyl alcohol; how carbon as I went through; but perhaps you can get an idea of what I saw and enjoyed so much.

Next week I will tell you something of the Glasgow Ex-



-New York Times

"His wife caught him making a rock garden with her biscuits."