# CHAMBERS'S INFORMATION FOR THE PEOPLE.

is executed, by plecing these humps in sieves, on each of which it side a dut of figure ride. The deven are made of parchment.kins, perforated with a multitude of round holes. Severi into kirve are fided in a frame, which by proper machinery has used a motion gives to it as to make the figures disc runner in each sieve mover round with considerable valority, is as to break the lumps of the sake, and force the substance through the sieres, forming grains of several diss. The, granular particles are afterward separated from the finase dust, by proper sieves and wells. Bic, The corned powder is not hardened, and the rougher edges taken off, by being revolved in a close reel or eask turning rapidity on its sath. This vessel somewhell are and a barrelchorn a it should be only half full and as paralon, as thas frequently had full and the progen-ralities to its ast, the some with by the full are and barrelchorn a the single state of the second full are rable to its ast. This reason with by second the second paraton, as thas frequenced with by partition. Of the guapowdnets or by treanmitting a body of single the tream-the or of treaming body of single the by heated to mother chamber over canvast sheltra cornered with the guapowder. *QLUE* 

### GLUE.

GLUE. Glue GLUE. Glue is an inspisseted jelly, mede from the parioge of hides and other officia by boiling them in wetter, teraining through a wicker basket, mffering the im-parities to absolic, and then boiling it a second time of the nexter, sitring than well from time to time i and having, haid in a heap, to have the water pressed on the-fore they are put into the boiler. Some recommend that the water should be kept to passible to a holi-ing heat, without-suffering it to anter into challion. In this state it is poured into fat frames or moulds, then cut into square pieces when congealed. Such after-wards dried in a corse nea. It is asid to improve by age; and that give in recover its former dimes-tions and properties by drying. Bhrede or paring of vellum, parchmency or white leather, make a clear and almost colourless give. INK.

Interest of arying. Sorrest of partiage of veilinn, performents, or while seather, makes class and almost colourless glue.
INC
Name of the seater of the

tents a great difficulty in cleaning the types, which soon become ologged. Yvey old oil requires melther of these additions. New oil can hardiy be brought into a proper state for drying, to as not to set off, without the use of turpentine. *Writing the*...The following is considered an ac-celent recipe for the manufacture of this useful ll-ing on onces of anjong of from 1 three outsets of the boar onnces of anjong of from 1 three outsets of the outset of the dist on the set of the gale and logwood together in twelve pounds of wester for one hour, or till haif the liquid has expansed. Strain the decoction through a hair slew or linen oloth, and then add the other ingredients. Sitt the minture till the whole is dissolved, more epselally the gum a stor which, laser will cotted. Like of other coloure may be made from a strong decoction of the ingredients used in dyeing, mised with a fitte slewly and arabic. For example, a strong decoution of the all wood, with a strong decovers of the solves, and little gum, forms a good red link. These processes consist in forming a hair, and results in gradients used in dyeing, mised with a fitte all in gradients in the distict for the and the site of gins as little gum, forms a good red link. These processes consist in forming a hair, and results in gradients in the the gum. Sympaticie Inter.—These are inks by which any

Nond, with semanch alow as it can discove and a little gram, forms a good red ink. Three processes constant the forming a lake, and restrafully its preditions the forming a lake, and restrafully its preditions of the second second

### FERMENTATION.

Betting the second seco

E PEOPLE. Insme of grant or borm, and it has the property of ex-citing formentation in bodies not otherwise at the moment prediposed to it. The resean of this has accu-been property explained. Interface plants has now been entirely obenged into an interpred lifeor, the base of which is alcohol, and this proget lifeor, the base of which is alcohol, and this proget life or the state thous former the life of plassonene will take a thous for the state perhaps rise filterin degrees. A algost motion takes place, accompanied with the disonglement of a small quantity of gast and flasting filtering to the gast those the is in the liquid, collecting into genetions: a the state of the state of the state of the state probes account and the alcoholic or intoxisating qua-tity has disappeared, whils the liquid has become at noncher, and from the preclous quality of the ille pro-cess is acide the acctous formentation. The this proceed from the preclous quality of the ille of which a green mould it the solity and purgens acid which agreen mould it the solity and purgens acid and the proceed from the proceeds are also do the ille pro-tes is acide form the proceed is called the become proceed and a form the proceed and the proceed from the proceed is and the oblight of the work has a contex, and a facile dour becomes percepti-ble. This proceed from the brotenness is called the purification, which it may be necesary morefully to region. The question arises, What is the maxes of the edit.

performance is formation, from the Lath word per-formers, to cut. There are thus three different kinds to applied. The question arises, What is the nexture of the dif-ferent ferments which produce these changes 7. The attention of chemists has as yet heren particularly di-rected only to that one called *yeasi*, and even our howledge of it is attened by perfect. Fabron, a clubance with the produce these changes 7. The attention of it is externed y imperfect. Fabron, a clubance which imparts to whesten flour the property of forming a tough pasts with wester, and ec-parable from flour by kneeding under wester. This gluten, a tousance which imparts to whesten flour the property of forming a tough pasts with wester, and ec-parable from flour by kneeding under wester. This gluten, or some modification of it, the shows-named che-mist considered as the real elneus forment. It is most probably an approximation to it; and it has been con-jectured that formed may be as much a proximate principle of engetables, as sugar or starch, and as ex-tensively diffused throughout nature. A great quen-lity of carbonic acid i given outduring formentation, and the various changes which take place during the visions fermentation have been thus briefly described a form exclosed a visit be meaning of the car-tic buddrogen, combine to form alcohol, and we may totally neglest the decomposition of the yeast, it mounding to almost nathfor. This is this inner, so-ifi, fixed, sweet matter, resolved by a new arrange-ment of its e principles into embatance which ponces on these properties, and one of which serve has nimal eco-tiony. The behaviour acid a not not one of which serves to anome. nomy.

control of so singular a nature over the animal eco-namy. The phenomens attendant upan accious fermente-tion we have already allinded to, and the question occure, What becomes of the alcohul, the most re-markable ingedient of the original "innous liquor, when the atter is changed into vineger 7 in answer to chia, all that can be said is, that it has been de-cumposed its elemental particles, which, unlied in optimize that of an beam, have apprentied, and com-bined again in certai other definite proportions, by this means forming an entirely naw substance. It is to be observed, that in every case where vineger is formed, whether its form solutions of sugar, infa-sions of mail, or from wines, the greater the quantity of alcohol which existed in the injuor, the stronger will be the vineger obtained. All the more difficult and slow with the zisted water, sittle alcohol, some malic acid, a small proportion of sugar, some full-ous and multightions matter, with what vaged by formentation contain the following ingredients :-A considerable quantity of water, sittle alcohol, some malic acid, a small proportion of sugar, some full-ous and multightions matter, with what vaged the attractive matter, busides excite acid. The inst range of spontaneous decomposition in the source of the site of the state of the site of the site of the site of the transfer of the site of the matter of the site of the site of the site of the site of the matter of the site of the site of the site of the site of the matter of the site of the site of the site of the site of the matter of the site of the s

Called extractive matter, beside decude scale. The inst range of spontaneous decomposition is the putificative fermentation. It is that final change which animal and regetable file undergoes, the reco-lution of organic structures into the insulmate mate-rials of which they had been originally composed. The cause of the remarkable fector which accomputies The cause of the remarkable feetor which accompanies is not well understood, but is in part would appear to arise from the hydrogen gas given out, holding phosphorns and subphor dissolved, which compounds are zenarkably (mid. It seems also partly to arise from some animal or vegetable matter, or some other substance being held in solution between here for an

Upon the other and less important branches of prac-Upon the other and less important branches of pre-tical chemistry, our limits prevent us from entering t but we have studied to give an account of such processes as can be easily comprehended by those who have care-fully perused the number of this work upon Chemis-try, and which are calculated to be most extensively try, an

## THE END.

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