

In Germany, this method has not met with any approval, but it is said to be employed in England.

In 1850, Rustaing proposed to divide metals in their melted state by means of a centrifugal machine, and Fuchs announced that he succeeded in preparing bronze powder by amalgamation. The highly injurious effects of mercury vepors do, however, not allow the introduction of this latter method.

Copper pewder may be prepared chemically in various ways which results in forming, with one single exception, crystalline and brittle products, which, in crushing, are converted into a dull powder. In reducing oxide of copper with rhigoline and gasoline, the two lightest products of the distillation of petroleum, Prof. Wagner, for the first conducting the process, it is necessary that the metal be left to cool in the vapors of these hydrocarbons. The bronze color is thus obtained is somewhat dark, but may, passing vapors of zinc or cadmium over them. In one instance where gasoline containing sulphur was used, the copper bronze exhibited a fine iridescent appearance.

It is only within the last decade that various substitutes for the above described bronze powders have been brought to the notice of

consumers. We mention:
1. The Tungsten bronzes. Of these the "tungstate of oxide of tungsten and soda" is the most important. It forms beautiful crystals of a golden-yellow color and gold The potassa salt, discovered by luster. Laurent, forms violet needles with copper lusters, and possesses great similarity with sublimed indigo. The lithian salt appears in prismatic scales and leaves of the color of slightly tempered steel. In glowing the potassa salt, a brilliant dark blue steel color may be obtained. The tungsten, or wolframium bronzes first appeared at the World's Fair in London, in 1862, and they then attracted considerable attention. The sodz compound appeared under the denomination of saffron bronze, the potassa compound under that of magenta bronze. At the exhibition at Paris, in 1867, these bronzes were only present in small quantities. The reason as follows:

"It appears, that in order to cover well, and reflect the light with intensity, it is necessary that the smallest particles of the bronze powders should possess the property to split in lamellæ. If their crystaline structure shows this glimmer-like character, their covering capacity remains the same when reduced to a finer state. If these bodies, however, crystalline in cubes, they are in being crushed, not reduced into lamelke but again in cubes. A certain quantity of such a powder covers a much smaller surface, than an equal weight of bronzes consisting of scales. They also reflect the light not in the same degree as purely metallic bronzes.

2. The Tin Bronze, or Magic Gold. This variety may, as regards brilliancy, well compete with the lighter bronze colors. It is also more durable. Kletzinski proposes to pre-pare it, by subliming the amorphous sulphide . of tin, which is obtained in boiling a tin salt solution with dilute oil of vitriol and saturating the liquid with the gas of burning sulphur. The sulphid of titanium also deserves attention; it forms scales of a brass color.

mium, forms brilliant violet folite, which, in soluble in weak acids. Perspiration is acid, be rubbed into the skin like all bronzes.

yellow substance, is proposed for decorative

paper, for filling glass pearls, etc.

5. Organic brouze colors. To these belong bronze paper, the numerous tar-pigments, of discoveries, the murexide and the green hydrochinon, - Scientific American.

M. J. Lefort, read at the Academie de Médecine on June 9th, 1868, an elaborate paper, Nov. 1868. on tar water, now so much in vogue in Paris perhaps, be changed into brighter hues, by as a therapeutic agent. The following conclusions were arrived at :

1st. Norway tar and that of France yield. to water equal quantities of soluble matter.

2d. That medicinal tar water may be prepared with either exotic or indigenous tar.

3. The semifluid far is preferable to that that is thicker for the preparations of which

this substance is the base.

4th. That tar water prepared hot, in close vessels, represents better the natural principles of tar, and is more constant in its composition than when made cold and followed by long maceration in contact with air.

5th. That tar water made with heat contains a mean of about 2 parts in 1000 of fixed

and volatile principles.

6th. That tar water contains principally pyrogenous oil of turpentine, creasote, volatile resinoid principles, one or more isomeric acids natural to turpentine, and lastly acetic

and oxyphenic acids.
7th. That tar water dissolves from 3½ to 7 grains of iodine to the pint, and that the re-

8th. That iodized far water gives no indications to reagents of the characters belongfor this fact is stated by Prof. A. W. Hofman, ing to free iodine or the iodides.—Jour. de, as follows:

| Pharm., Sept., 1868, in American Journal of Pharmacy.

Poisonous Anilin Dyes.

London Times tending to prove that some of the brilliant dyes derived from anilin are poisonous to the skin. So long as these colors were used only for dress goods this was not discovered, but recently socks and stockings have been dyed with them and worn to the detriment of some individuals. A report by case of a Mr. M--, states

"The question now rises, how fuschine, which has been used largely in dyeing for ten ing is of all others the article of dress brought

3. Chromium bronze, or chloride of chro- shoe. I must remark also that fuschine is transmitted light appear blood red. It may and is nowhere more profuse than in the feet, 4. Circulated indide of Lead, a beautiful, by the tissue of the socks."

It was thought possible that arsenic was purposes; gold-inks, shell-colors, as a mass concerned in the poisoning, as magenta (arse-for pencils, for the painting of fabrics, wall, mate of rosem) contained it largely; but Mr. Crooks states that arsenic has nothing to do with it, as for several years they have ceased the derivates of the haematoxylin, already to use arsenic in anilin colors, but that all extensively employed in the manufacture of the injurious compound dyes contain anilin orange, which is the poisonous substance, which the corallin is one of the most recent having acid properties and rendered soluble by an alkaline solution; and directly contrary to Dr. Farrel, Mr. Crooks thinks that where the perspiration is acid in its normal state no danger exists; but that when the time, obtained copper in minute scales. In Preparation and Properties of Tar Water, perspiration is alkaline, as in certain abnormal conditions, the dye would be absorbed and become active .- Pharmaceutical Journal,

Etherized Cod-Liver Oil-

In a paper recently published in the 'British Medical Journal,' by Dr. Balthazer A. Foster, there are certain results of his investigation and observation stated, on the advantage of combining ether with cod-liver oil, which, although in the main, for the consideration of the physician, may not be uninteresting, nor perhaps unimportant, to the pharmaceutist. Taking it as an established fact, that the difficulty of assimilating fat is a constant characteristic of the dyspensia of phthisis, and further, that a marked improvement in such patients is observed when the ability to digest fatty matter is restored. Dr. Foster has set himself to work to determine the best means of "augmenting the secre-tions which are specially devoted to the diges-tion of fatty matters," and has determined to his own satisfaction that, "ether not only obtains for us the secretions required to digest fats, but promotes the absorption of these fats when digested." In some cases the other has sulting liq nd retains its physical properties when digested." In some cases the other has containing iodized phenic and oxyphenic, been given in water alone before the oil; but the favourite method scems to be to combine the two, in the proportion of from ten to twenty minims of ether purus, P.B., to two drachms of oil. One advantage of the combination seems to be the power of the former to mask the unpleasant properties of the latter. Dr. Foster recites many cases to prove that where cod-liver oil by itself had failed to produce improvement and to arrest the wasting, the addition of ether has been emi-Several statements have appeared in the wasting, the addition of nausca, and nearly successful in allaying nausca, and producing a decided increase in the weight of the patient.

Carrageen: Something new about it-

The uses of carrageen (Irish moss) in man-Dr. Farrel to the Times, in May last, in the ufactures make it an article of some importance; and the present high price of glue and isinglass, for which it is an excellent substitute, have created a demand for it heretoyears past, has never been discovered to pos-sess any poisonous property. The reply for clearing coffee. Up to about the year sess any poisonous property. The reply for clearing coffee. Up to about the year would be, that up to the present time it has 1848 all the carragreen used in this country been used only for articles of dress not com- was imported from Ireland. It was collected ing in direct contact with the skin. The on the southern and western shores of that present is the first case in which I have met island. In 1849 several parties commenced with fuschine used for stockings. The stock- making a business of gathering and curing making a business of gathering and curing Chondrus crispus at Scituate, Plymouth most in contact with the skin, around which county, Massachusetts, and produced the it is, moreover, compressed tightly by the first considerable quantity of the domestic