THE CANADIAN PHARMACEUTICAL JOURNAL.

on the Influence of During on the Active Principles of Plants

PLANTS, AND WHEN COLLECTED.	TINCTURE.	DISTILLATE.	RESIDUE ON FILTER.	EXTRACT.	TREATMENT WITH CaO AND Alcoholic ether,
Atropa Belladonna. Leaves, June, fresh.	Dark green, bitter.	Almost inodorous and	Deep green, almost		White, amorphous, alkaline,
	Brown-yellow, bitter.	tasteless ; no reaction. Inodoron <i>s,</i> tasteless.	wholly chlorophyll. Brown, resinous, inodor- ous, soluble in ether.	intense taste. Blackish, taste bitter and sweetish.	yields 0.53 grm.* Crystallized with difficulty, but saturated same amount of acid.
Nyoseyannıs niyer Leavos, June.	Deep green, odour vi- rous, taste aerid.	Odour and taste faint, no reaction.	Dark green, soluble in ether, apparently fat and chlorophyll.	Brownish, bitter.	White, amorphous. By SO3 and KOCO2 colorles needles -yield '41 grav
Dried.	Deep brown, inodorous.		Black, pitch-like, solu- ble in ether.	ter.	Uncrystallizable, faint alka- line reaction.
Datura Stramonium. Herb, July.	Dark green, acrid and bitter.	Wenk, disagreemble odour and taste.	Blackish, virous odour, fat, resin, and chloro- phyll.	Light brown, bitter somewhat aerid.	Crystalline, bitter, acrid, yield 0.65.
Dried.	Brown, bitter.	Inodorons, tasteless.		Brownish, bitter.	With difficulty crystallizable same saturating power.
Solaaum Duleamara. Stems, late in Sept'r. The same results with the dried stalks.		Disagreeable odour.	Dark green, slight odour.	Greenish-brown, sweet, hitter, and slightly acrid.	Amorphous; when re-precipi-
Coldricum autumnale. Corms, November.	Yellowish, sweet and burning.	Acid reaction, slightly acrid.	Greenish, fuint adaar ol benzoin.	Orange-yellow.	-probably picto-glycion. Alkaline needles intermixed with greenish amorphous acrid matter, acids and alka- lies destroy alkaline reaction and crystalline structure.
Dried.	Darker, more bitter.	No reaction, odour, or taste.	As above.	Brownish.	White amorphous colchicia, without alkaline reaction.
Aconitum Napellus, Cultivated leaves, June,	Deep green, bitter, then aerid.		Darkgreen, virousodour, tasteslightlyaerid and bitter.	?	The result treated like Dulca- mara, yielded '30 grm. nee- dles (acouellina?) and about '30 grm. oily aconitia, gra-
Dried.	Brown, bitter acrid.		Blackish, slightly acid	?	gually becoming resinous. Amorphous, resin-like.
Conium maculatum. Leuves, May.	Green, repulsive cdour, very acrid.	taste. Neutral, tasteless, faint, narcotic odour.	and acrid. Green, oily, virous odour.	Light-brown.	0-35 grm. conia.
Dried.		Nearly inodorous.	Black, resinous, inodo- rous.	Brownish.	^.10 grm. conis, and products of decomposition.

* From 250 grammes of the fresh drug ; the subsequent figures refer to the same weight.

MISCELLANEOUS.

Improved Preparation of Neutral Acctate of Copper.

powder is placed in a suitable vessel, and 75kilos liquor ammonia added thereto. After the solution is effected, 10 kilos of acetic acid are added, and the vessel containing the copper solution placed on a water-bath; as soon as crystals are observed on the top of the liquid, the latter is strongly stirred, which promotes the formation of crystals. By this process about 4 kilos. of neutral acctate of copper are obtained from the above quantity of sulphate, while the mother liquor yields some sub-acctate of copper afterwards. -Monitcur Scientifique.

New Marking Ink for Linco.

M. Kuhr recommends the following preparation:- One part of hypophosphite of soda, and two parts of gum arabic, are dissolved in The tissue, sixteen parts of distilled water. indelible and very deep black-colored ink.-Comos, June, 1869.

Color of Vermilion.

It is a fact well known to artists, that the splendidly bright color of vermilion (cinnabar, colored in a comparatively short time. tendency of the vermilion is altogether obviated if, previous to being mixed with oil, it is thoroughly and intimately mingled with about one-eighth of its weight of flowers of sulphur. - Chemical News.

Brandy from Lichens.

Experiments lately made in Sweden on a large scale, upon the production of brandy from lichens, and especially from the reindeer moss, have, it is said, proved so success-ful as to warrant the practical application of the process.—Chemical Naus.

Alcohol from Garbage.

A company has been formed in Chicago, and will soon be in operation, for distilling sixteen parts of distuiced water. The tissue, and will soon be in operation, for distilling linen, or cotton to be marked is thoroughly alcohol and extracting soap greaso from ordi-moistened with this liquid, and then left to nary city garbage. The process is a patented dry. After having become well dried, the one, and consists in taking the garbage just following liquid, composed of one part of as it is hauled off in the city carts, dumping nitrate of silver, and six parts of guin dis-it into tight tanks, and boiling six hours at se ved in six parts of distilled water, is used 'a temperature of 212 degrees. This dissolves as marking ink, with a quill-pen. The mix-' the whole mass, which is run into fermenting targe here described appeared to yield an tuba and worked with weat. tares here described are stated to yield an tuba and worked with yeast. The soap grease indelible and very deep black-colored ink. — and impurities rise to the top of the tubs, and are skimmed off, and the residuum is distilled | a little friction, takes a fine polish.

in the regular way. It is estimated that each barrel of garbage will yield three pounds of soap grease and four gallons of proof spirits. The soap grease is, of course, as good as any other, but the alcohol betrays its origin by Five kilos, of sulphate of copper are ground sulphide of mercury) has a tendency, espe-to a fine powder; this having been done, the to become blackish brown and very dark an odor which requires further processes for the become blackish brown and very dark an odor which requires further processes for the become blackish brown and very dark an odor which requires further processes for the become blackish brown and very dark an odor which requires further processes for the become blackish brown and very dark an odor which requires further processes for the become blackish brown and very dark and of many uses, however, it is its removal. For many uses, however, it is as good as that derived from grain or molasses, and if its distillation is not too costly, will yield a considerable profit.—Sun, July, 1869.

Coroa Nut Hair Oll.

Take of Oil Theobroma, one drachm.

Castor oil

Alcohol 95 per cent., of each fifteen ounces. Glycerine pure, two ounces, or a sufficient quantity.

Melt together, with a gentle heat, the oil of of theobroma and castor oil; transfer to a bottle, and gradually adding the alcohol, then the glycerine as much as it will take without becoming milky.

White Furniture Polish.

Is made by boiling ten parts of water with ten parts wax, and one part potash; after-ward ten parts of water are added, and it is boiled till of a uniform thick consistency. It is therefore but a kind of soap, in which wax takes the place of fat; when dry, it becomes insoluble in cold water, which only washes the excess of potash from the surface and leaves wax, combined with a small amount of potssh-a compound which, with