

perfectly inactive matter. A single tree yields a large quantity of bark without injuring its growth. It is calculated that the price of ditain in Europe would be about 160 *frances* per kilo (3s. 6d. to 4s. per ounce).—*Brit. Med. Jour.*

ESTIMATION OF ALCOHOL IN FUSEL OIL.—Dr. G. L. Ulex, of Hamburg, recommends to distil from 100 c. c. of the suspected fusel oil 5 c. c., and to agitate the distillate with an equal volume of saturated solution of table salt. If, on standing, one-half or more is separated as an oily liquid, it is a reliable proof that the fusel oil contained less than 15 per cent. of proof spirit. If, however, a smaller quantity or no fusel oil is separated, an addition of proof spirit has taken place. A given quantity of fusel oil is then agitated with an equal volume of saturated solution of table salt, in which propylic and butylic alcohols are far less soluble than in water. After complete separation the salt solution is distilled, to recover the alcohol and estimate its amount.—*Pharmac. Zeitung*, 1873, No. 48. in *Am. Jour. Pharm.*

VEGETABLE GLUE.—This name is applied to a mucilage of gum arabic the adhesive properties of which have been considerably increased by adding to 250 grams (made of 2 parts of gum to 5 of water) 2 grams of crystallized sulphate of aluminum, previously dissolved in 20 grams of water. Alum has a similar effect, but in a less satisfactory degree.—*Pharm. Cent. Halle*, 1873, No. 24. in *Am. Jour. Pharm.*

Bocke has announced that chloroform is an excellent solvent from which to crystallize quinine in beautiful, needle-like crystals.

Registrar's Notices.

LIST OF CHEMISTS WHO HAVE RENEWED THEIR REGISTRATION DURING THE PAST MONTH.

Barker, W. T., Trenton.	Johnson, W. J., Farmersville.
Blume, M., Toronto.	Lushington, Jas. L., Amherstburg.
Brodie, W. F., Forest.	Lyman, B. H., Toronto.
Buck, A. C., Caledonia.	Mason, C. S., Brantford.
Clemesha, J., Bailieboro'.	McKenny, Thos., Thornbury.
Colcleugh, Jas., Mount Forest.	Rock, Thos., Hamilton.
Doan, D. W., Aurora.	Steward, W. R., Toronto.
Eastman, T. F., Arkona.	Striker, G., Picton.
Elwell, G. T. O., Ottawa.	Taylor, R. N., Hamilton.
Fraleigh, S., St. Mary's.	Watson, T. T., Barrie.
Gray, H. R., Montreal.	Wilson, J., Simcoe.
Harvard, A., Toronto.	Woods, J., Barrie.
Jackson, G. E., Egmondville.	Woolhouse, J. B., Lindsay.

NEW REGISTRATIONS.

Beauchamp, P., Toronto.	Richards, J. E., Aylmer.
Johnson, Jas, Morven.	McGinnes, W. R., Arnprior.

ASSOCIATE.

Bogart, P., Campbellford.