found to amount to 66 per cent. There is every prospect that within some six or seven years hence Jarat will largely export this drug; and the cultivation of the cinchona trees is also to be extended to Sumatria, Celebes, and the Moluccis.-Rev. Mebilom:. chem. Neus.

## Value of the almatids or cinchouat

By order of the Guvemment, the several alknloids of P'eruvian bark have been put io the test in India, in 2;472 cases of fever. Thie result, as reported in the Aredical T'imes, is, that the sulphate of quinidia possesses an anti-febrile power equal to the sulphate of quinia; that the sulphate of cinchonidia is slightly less efliciciuus, and that the sulphate of cinchonit, though very inferior to the others, is a rery usefnl agent in the treatment of fevers.-Pacific Med. und Sury. Jomrnal.

## A New Test for Allumen.

A writer in the British Mcdecal Tomeral states that Dr. C. Mr. Tidy has foumd that cqual volumes of acetic and carbolic acids is a far more delicate test for the presence of Albumen than my other agent that has been proposed. In using thers with urine, it is necessary to shake the test tube, as some opacity is produced by the mere admixture of fluid, which, however, disappears on agi-tation.-Mich. Unirersity Journal.

## A new tise for potatocs.

A foreign exchange describes a new mode of preparing wood pulp for paper making, which consists in using potatous in lieu of alkaline solutions usually employed to effect from poplar and otizer white wood fibers the remoral of summy matter. The fibres are to be boiled in water in which there is placed anong then, in the boiler, on being filled, 2 crit . of floury potatoes to cacle ton of $\mathrm{m} \pi$, fibers, such potatoes having been proviously steamed in at separate vessel filled for the purpose, and passed through a strainer, sieve or colander, to remove the peel, which is injurious in some cases, but the protatoes: cass also be used raw with the fibres, after being well washed, The gumny matters are thoroughly extracted from the fibers, and by boiling for two, four, or six hours, according to circumstances, the process will be found quite sufficient to prepare this class of fibre for bleaching to at pulp in ceery way fit for the manufacture : good white guality of printing, or similar descriptions of paper.Jour. if $A_{1 p}$ ?. Miem.

## Aulline Phelographer.

The process consists of preparing paper with the hichromate of potishl, to wheh some phosphoric acid has been added; when dry, - the paper is exposed under io jositire for a sufficient times, and when removed from the printing frame the picture is held over adish containing a solution of aniline in bensole. The benzole in volatalizing, carries with it the vapor of aniline, and when the latier comes in contict rith the unaltered bichromate on whicl light has not acted, a rich black body is prodinced, which is believed to be a rery stable compound. Washing in water and dilute sulphuric icid, now clears liac lights of the prints, and leaves a paper positive, thich is the eyuiralent of acarbon print.—Scic:lific - 1 merrican.

## athutcratlons or sore whic.

Professor Silliman, of Yale Cuillege, recently had occasion to examine some port wine, and testitied in referenco to it in a court of justice as follows: "It is an imitation of port wine, very turbid, and heavi. $j$ laden with sugar or molasses and with coloring matter. It also contains oxide of lead, sulphuric acid, over 21 per cent. of alcohol, and over 19 per cent. of sugar or molasses. The specific gravity is 1,015 , witer beiag 1,000 . Analy tically, I determined the quantity of the ingredients. It contains sulphuric acid, 10 grains to the gallon, prartly free ats oil of vitroil ami martly combined in alum; oxide of lead or litharge in poisonous quantitics, and turbidity, or in clear liquor by filtering, about $4 \overline{5}$ grs. to the gallout. The alcohol obtained from this liquor by distillation had an acid taste. It had also an offensive odor from coloring matter. The liquor contained delcterious and posionous substances. I have a small vial of oxide of lead. $* * *$ The quantity found by me is ample to affect any liguor. This liguor is strunger in its contents of lead than most waters that are poisoned by it. It is in sufficient quantities to be delcterions to the human system.-Jour. of App. Chem.

## Tinutug Iron whont Facl.

A cold process of tinning has been imvented by Mr. Dauble, of Bellefontaine, France. The iron is treated by successive inmersion in baths containing cold solutions of salts of tin, with the addition of a certain amount of orginic matter, such as iecula or starch, which has always been found valuable, both in timning and galvanization.
The solution patented is thas made: To each 20 gallons of water add 6 lbs . of rye flour, and let it beil for about half an hour ; filter it, and afterwards add 212 ibs. of pyrophosphate of soda, 3 libs. of crystalized sali of tin, 134 ll s . of neutral photochlorade of tha, mid from 3 ozs. to 4075 . of sulphuric acid. When the salts are dissolved the solntion is distributed in eight or ten wooden rats, a little additional water being added to the first two or thiree of the vats. The wire is passed successively through the whole of the yats, and if great brilliancy of suriace is required, also through dran plates at intervals, and the wire, while retrining all its rigidity, becomes covered with a brillinntly polished coat of tin.-Scicntific American.

## Evade Beymort.

Our invorable report, in last mumber, as to the state of trade, wall equally well amply to the past month, orders laving come in freely from all quarters.

There is a decided tendency to advance, in mearly all classes of goods; especially thoso of German manufacture, which, consequent on the total stoppage of importation, are from twenty to fifty per cent. dearer.

Qucinations fer the latter class are not to be relied upon, as they aro changing daily-

We note, in favor of metail buyers, Acid Bensoic, Bismuth aud Leptiundrin, Which are all materially lower.

Agribist the buyer atre Tartaric Acil, which is rising stendily, Vanillit almost oat of market, Ext. Hyoseyamus, owing to a failute of crop of the herb, Glycerine, from stuphage of German supply. Oil Wintergreen is worth rather more than our quotation.

In dyestuffs, Magenta will be noticedmuch dearer, with a probalility of a further rise, Indige is a little lower, and there is a good deal of a made-up article in the market, purporting to be Madn:as, against which we would advise our realers to be un their guard.
In Spices, Mack Peppur still maintains a very high figure.

In Paints, White Lead has commenced to advance, and there will likely be an advance made by tho maufacturers, on that ground in Oil.

Naval stores ara quiet, with the exception of Turpentine, which is very firm at advanced prices.


## THE EUROPEAN MATH:

## A Weekly Summary of News for North America

$J$TSUAS. COATENTS: Accilents: Art and Scieace; libths: Martiages amd Deaths; Commercial Sumanary; Corresponitener; Comrt; Cruminal, bimigration; Foreign and Colonial, Gazette, Gencmi Summary, lmperial Parliament, Ireland, Iatest Ship inaro; Incml; Iiterary; Market Jepports; Medical; Meremtile ; Military: Misecllancons; Music and the Drma; Natural History; Naval; Obitury ; l'olitical; l'rices Current ; Scothand; Shiping amb Frcightes; Specinal American Notes; Sporting; Stocks and Shares; Wills aml liequests; $\therefore \mathrm{c}, \mathrm{de}$.
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## PEREEMMERエ.

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