
[Reported Officially for the Scientific American.]
LISTOFPATENTCLAIMS Issued from the United States Patent Onice for the weet ending july 22. 1856.






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## The Pcison Strychrine.

This drug, which has lately become so notorious for destroying the lives of human be-ings-as in the case of the infamous Dr. Palmer, recently executed in England-is a most deadly organic poison. A dog has been killed with the sisth part of a grain of it, and a human being with less. When introduced into the stomach it acts with fearful energy, causing lock-jaw immediately, violent spasms, and death in a few minuies. It is odorless, but so intensely bitter as to be perceptible to the taste when one part is diluted in a million parts of water. The composition of strychnia is carbon 44 , hydrogen 24 , oxygen 4 , nitrogen 2 equivalents. It is colorless, and forms soluble crystalizable salts. It is an alkaline base, and is extracted principally from the Strychnos nux vomica. The tree from which it is obseveral parts of the East Indies and the island of Ceylon. Its fruit are large orange-colored berries, the pulp of which is the favorite of many birds. The seeds contain the deadly poison. They are flat and round, about an inch in diameter, and gray in color. These seeds were used as a medicine, and as a po:son, by the Hindoos, long before they were known in Europe. Many of the natives of Hindostan often use it as people use opium They commence with taking the eighth of a nut a day, and gradually increase their allowance to an entire nut, which would be about twenty grains. If they eat it directly before or after food, no unpleasant effects are pro duced; but if they neglect this precaution spasms are the result.
The bark of the tree is also poisonous, and from its resemblance to Angustura or Cuspa ria bark, a tonicmedicine imported from South America, caused a great deal of alarm and excentury by beingy, in the eall sure antidote has yet been discovered for this
poison, but some chemists have attained to great skill in detecting it, when administered as a poison. The following is Dr. Thompson's method of detecting the one-thousandth part of a grain :-
Having placed a drop of strong sulphuric acid on a piece of glass, add to it a small quantity of the suspected substance, and stir the whole together, so as to favor solution; then sprinkle over the mixture a little powdered bichromate of potash, and gently move a glass rod through the fluid. If strychnia be present, a violet color of considerable beauty will be almostimmediately produced which, after a few minutes, will fade into a reddish yellow, but may be renewed by the addition of more bichromate, so long as any strychnia remains undestroyed in the mixture. In this way the thousandth part of a grain of that alkaloid may be made to yield a very decisive indication. The points to be noticed are, that sulphuric acid alone produces no apparent effect, end that the action begins at once round each particle of the bichromate, so that if the glass be held in a vertical position, streams of a violet colored fluid may be seen to flow from each particle; and if at thistime the whole be slowly stirred, the entire bulk of the fuid will speedily assume the same characteristic tint.

Railroad Accident.-The Verdlet.
The Coroner's Jury, in the case of the terrible railroad accident on the North Pennsylvania Railroad, mentioned by us last week is, that " the collision was caused by the criminal negligence of Alfred Hoppel, the conduc tor of the excursion train, who carelessly and negligently run his train beyond the sideling at Edgehill."
This conductor is now in jail. The total number of the dead by this accident is 66 ; wounded. over a hundred. Will any person be punished for the criminal negligence which caused this accident? Let the people of Pennsylvania answer.
More American Prining Presses for England
The Illustrated London News announces that it has contracted for one of Hoe's printing presses, and the London Times has also ordered a very large one.
At the Complimentary Supper given by the proprietor of the New York Sun, a few years ago, to Col. Hoe, when the first large press was put up in the Sun Establishment, James the Novelist, who was present, said, "Westward Hoe" had become a byeword, but "Eastward Hoe" would soon supersede it. He said this in reference to a demand that would yet arise for such presses in Europe His prediction is now fulfilling.

Recovery of the Lost Telegrarh Cabie.
About 50 miles of the above cable has been recovered by the Telegraph Co. They fitted out a brig from Cape Breton, with fifty men and a powerful capstan, and they have fished up the above length of it, leaving thirty miles ying in the ocean. With $\$ 50,000$ of insur ance recdived on it in London, the Company have recovered nearly all they had paid out for it .

## Bust of Columbus.

Mr. A. Herbemont, U. S. Consul at Genoa, Italy, possesses the only bust of Columbus now in the native city of the great discoverer. Mr. Herbemont found a bust in the Campidoglio, at Rome, which was the only one in I:aIy, except one at Naples. From the former he procured two casts, one of which was sent to the South Carolina College Library, at Columbia, and the other is in the U.S. Consulate Office at Genoa.

Death of an Artist
Thomas Doughty, a distinguished American landscape painter, died in this city on the 23rd inst. His last days were passed in comparative poverty, and he has left a destitute family.
A portion of the rock over which the water falls at the Falls of St. Anthony, gave way for a distance of about fourteen feet from the Minneapolis side, on the 6th July. The break does not diminish the hight of the fall any, but removes that portion of it some distance further up stream.

