SCIENCE AND ARTS. (From Chambers's Journal.)

(From Chambers's Journal.) The progress of railways in India exceeds all anticipation. The line of 1000 miles from Cal-outta to Delhi, for which government gives the land, is advancing at each extremity. One hund-red and twenty-five miles, from Calcutta to Ranegunges are open, and another soventy-five miles, to Rajasmain, will soon be ready. The 400 miles from Delhi to Allahabad are to be finished in 1857. To travel between those two cities at present takes four days and nights, and costs L.25; but by rail, it will be a journey of twenty-four hours, at a charge of L.6. The whole line is to be completed in 1859. As in England, so in India—the greatest revenue was expected from transport of merchandise; but the pasenger-traffic turne out to be by far the more profitable. The Hindows appreciate cheap and rapid travelling, as well as ourselves; and the railways seems likely, more than any other European innovation, to break down distinction of caste, that curse of Eastern society. The unpublic meta the Americane and the railways seems likely, more than any other Suropean innovation, to break down distinction of caste, that curse of Eastern society. The upper ten-thousand,' as the Americans call hem, wished to have trains exclusively to them-telves; but the directors persist in despatching irst, second, and third class carriages all in the more train. alve first, se same train. The veteran Humboldt has written to the As-

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The voteran Humboldt has written to the As-tronomical Society 4 On Certain Appearance connected with the Zodiacal Light'--drawing attention to new facts connected with that in-teresting phenomenon; from which it appears that this remarkable light is not confined to the west, as was supposed, but has been seen by himself and others in the east at the same time. The latest observer, Rev. G. Jones, chaplain of the United States' frigate *Mississippi*. during her recent cruise in the China and Japan Seas. during reports that he saw the 'extraordinary spec-tacle of the zodiacal light, simultaneously at both cast and west horizons, for several nights in succession.' The conclusion drawn from the sum of his observation will be a startling the sum of his observation will be a startling one to many : it is, that the earth is surround-ed by a nebalous ring lying within the orbit of the moon. So, if, as is stated, the ring be com-plete and continuous, we have for ages been playing the part of a smaller Saturn among our brother and sister planets. A communication made to the Entomological Society by Ma dillation of Nemeent new Fra

Society by Mr. d'Uzban of Newport, near Exe-ter, will be interesting to all—and the number is great—who are concerned in the manufac-ture of eilk. He thinks that many species of ture of silk. He thinks that many species of Bombycids (silk-worms) are undeservedly neg-lected, and one, a native of Canada, is likely to stand our climate, and produce silk in consider-able quantities. The cocoon is large and well covered, and double—a precaution, doubtless, against, the severity of the Canadian winter. 'Could it be made useful,' says Mr. d'Urban, Could it be made useful,' says Mr. d'Urban, 'it would be a great boon, as it must be a dura-ble material, indeed, to resist the wind and rain of ten months, or even of two or three years, as I have found these cocoons adhering as strong-ly as ever to the tree the following spring after the escape of the moth.' As the insect will eat leaves of the maple, choke-cherry, and Ameri-can plum, there would be 'no trouble in findes of the maps, there would be 'no trouble in mar-plum, there would be 'no trouble in mar-food for it in this country; and,' Mr. rban adds, 'I do not think there would be rban adds, 'I do not think there would be much difficulty in introducing it, as the coccons could be gathered in any number in Canada and the United States, and sent home by steam-ers, backed in air-tight boxes ; as sea-air, from

could be got to pair, there would then be no further obstacle in obtaining a supply of silk side through Waraaw and Cracow, on the other side through Konigsberg, in connection with the foreign lines; but to make use of these lines for scientific purposes will bardly be possible before the close of the war, for at present all talked of in America a few years ago, is not for-gotten, and we learn, that surveys of the propos-ed route have been made, and notes taken of the lines are continually used for official dis-gotten, and we learn, that surveys of the propos-ed route have been made, and notes taken of the lines to so the Atrato, mad a deep river; navigable for seventy miles from its mouth, in the Guif of Darien, by the largest vessels. At that point, a tributary, the Tuando, falls in, which a canal would have to be cut to reach the Pacific—this canal to be 200 feet wide and thirty feet at low-water will be offered to vessels massing each other at al lines; and there are good harbours at each at 174,000,000 dollars, whick, compared with the trady be trade to be work is estimated at 174,000,000 dollars, whick, compared with the trade between the Atlastic and Pacific, the purpose of regulating the rates of the chara of the science for thirty-six miles, leaving the science the work is estimated at 174,000,000 dollars, whick, compared with the stade between the Atlastic and Pacific, the purpose of a constrait, by a short enspects. This will be offered to vessels massing each other at al lines; and there are good harbours at each at 174,000,000 dollars, whick, compared with the stade between the Atlastic and Pacific, the trade to the work is estimated at 174,000,000 dollars, whick, compared with the stade between the Atlastic and Pacific, the at the area that for any the state of ware in at lines; and there are good harbours at each at the state of the work is estimated at 174,000,000 dollars, whick, compared with the state between the Atlastic and Pacific, the at the work is estimated at 174,000,000 dollars, wh

HASZARUS GAZETTE, MARCH S. kind, in 'suspender webbing.' The apparates is work in the web runs back, and the other side is work. Another is for an 'printers, with a taches itself only to the engraving or ethicit, and leaves the other portion of the surface free, and a locket of hair,' What next ! The office of charp and heart, with a redees for this and stamping, and this is accomplished by machine which has beed in use for mearly twy years. It consists of a sube and the weight a condition ready for the market, with great to the subter has beed in use for nearly twy ports. It consists of a sube of a leaver, and at one end, a cup, enamelled inside at the other, in which hy a means of a lever, and at one end, a cup, enamelled inside at the colerity. The data has been so long inconvenienced hy mixed and confused coinnage, that meansure at a we ben taken for reducing all the money of the conting twy and the suber state. The subsci of the seales, the counties of the seales, the commit de laced h

The Historical Society of Quebec is drawing attention to Anticosti as a desirable place for colonists and it is surprising, that an island one fourth larger than Prince Edward Island should have been so long neglected: It lies in the Gulf of St Lawrence, about 400 miles below Quebec, has excellent harbours, and is passed every year by the thousands of ves-sels trading to and from Canada. The resour-ces are a warm and ferrile soil resting on

and the United States, and sent home by steam ers, backed in air-tight boxes; as sea air, from my own experience, seems to be fatal to them, it would be hardly possible to send the eggs across the Atlantic; us only two months inter-vene between the appearance of the meth and the larva going into cocon, it is manifest the eggs mus be hatched soon after they are laid; these eggs are large and oval in shape, and pure white. If the moths, were bred in England, south be got to pair, there would then be no further obstatele in obtaining a supply of silk by the end of the following August after their arrival.'

and shamping, and this is accomplished by a machine which has been in use for nearly two one:—
"We had the pleasure of witnessing, a few days since, an interesting test trial of various for the wight of a condition ready for the market, with great celerity.
Canada has been so long inconvenienced by a mixed and confused coinage, that measures have been taken for reducing all the money of he contry to a uniform standard. The dilar shall be the only the patient scale, the scale, the constitute placed upon the odlar shall be the origin of the outs and the standard or the states."
That the ton of 2240 pounds, the hundred weight of 112 pounds, be reduced to a ton of 2000 pounds and the subdivisions."
If, in altering our own standard or system, it could be assimilated to that of Canada and the states how materially would its benefits be increased !
The Historical Scelety of Quebee is drawing attention to Anticosti as a desirable place for the platform the scale on the corner of the platform the beam indicated the *trac* weight of alterned to that of Canada and the superistore.
The Historical Scelety of Quebee is drawing attention to Anticosti as a desirable place for the platform the beam indicated the *trac* weight of alterned to that of Canada and the superistore.
The Historical Scelety of Quebee is drawing attention to Anticosti as a desirable place for the scale is and it is surprising, that an ialand one

corners, the result was the same ; on the fourth corners, the result was the same; on the fourth corner, a slight variation was perceptible. So extremely delicate was the operation of Fair-banks' Scale, (capacity six tons,) that a quarter of a pound weight placed on any part of the platform minut the horn

of the platform rules the beam. A Duryce & Forsyth Scale, of 40,000 lbs. capacity was next tested, and like the Vergen-nes Scale, it failed to give correct weight, or to agree with itself; it showed a variation of ten oue fisheries in the surounding seas. Arrangements have been made for flashing Greenwich time by telegraph to Christians once a week, so that merchant-captains in that port may be able to regulate their chronometers which commerce may desire. States standard weights, and although it had been in constant use for six months, it exhibit-ed unerring accuracy. The sealed weights were then placed on a similar scale manufac-tured by Duryce and Forsyth, but the result tured by Duryce and Forsyth, but the result was far from satisfactory,—one corner was half a pound too light, the centre half a pound too heavy, and another corner two pounds too heavy."—Boston Daily Journal.

HALIFAX, February 22d. Steamer Æina, from Havre for New York, put in here, short of coal, at six this erening— had very rough weather—brought Paris and Havre dates to 5th inst., bat no English papers

The CLAYTON AND BULWER TREAST A tole graphic letter from Washington, then, since the receipt in the city of the telegraphic sport of the English news by the mail steamer, Ona 1. the receipt in the city of the belegraphic sport of the English news by the mail steamer Cana-da, in allusion to the reported angry words of Lord Charendon and Mr. Buchanan, says, that there has been no important correspondence between the two Governments, since, the date of the President's message, "which would provoke any attreme opinions or ,setions." It says also, that no formal proposition has been made by Lord Clarendon to refer the question of the Interpretation of the Contral American treaty to the arbitration of a third power: but that Lord Clarendon, made, the proposition about a year ago, in conversation; and that Mr. Buchanan replied, that there was body one potentate whom the United States would accept as an arbitrator, and that, was the Emperor Nicholas of Russia, with whom Great Britain was at war. The sathor of, the despatch intimates, that Lord Clarendon stated expression in speech in Parliament, that the proposition had been renewed, and that the hoped the Government of the United States would agree to it. It must be unfortunate for the United States, if among more than a dozen foreign govern-ments, from whom we receive Ministors of a

It must be unfortunate for the United States, if among more than a dozen foreign govern-ments, from whom we receive Ministors of a rank above that of Charge d'Affaires, and to whom we send Ministors of equal rank in re-turn, there is bat one which we can trust, to decide a question of this nature, and that one happens to be at war with Great Britain. It is moreover a poor compliment to the other powers, with whom we are on terms of amity, to make a declaration of so extraordinary a want of confidence in them.

to make a declaration of so extraordinary a want of confidence in them. The question at issue between the two-governments, being simply one of the two con-struction of the language of a treaty drawn up with great ears to avoid misconstruction, would seem to be one, compared with all others, most proper to be decided in this way, and it is to be hoped, that if the proposition should be declined when made a second time, it will be for some better reason than that there is no foreign everyment in which the United States for some better reason than that there is no foreign government in which the United States can confide for the equitable performance of so simple a service as that of determining the true meaning of a carefully written document, agreed to and signed, by the accredited agonts of the two parties, and ratified by their respec-tive governments.—Bos. Daily Adv. Feb. 21.

Isaac, my dear son," said Mrs. Partngton "being's you have good larnin' and know all about the course of human events, can't you tell me if Sevaster Pool. about whom the papers talk so much nowa-days, is any relation to Bill Pool, who was killed in New York."

"I'll be with you in a crack," as the rifle-ball said to the traget.

MAINE LAW IN NEW YORK.

A recent number of the New York Tribune gives the following observations on the working of the Prohibitory Liquor Law in that State :--

the Prohibitory Liquer Law in that State :-The friends of prohibition, who are a large majority of the people out of our State having any d-cided opinion on the subject, not only uphold the essential principles of the present Act, but they mean to stand by this Law, suntil its provisions are everywhere enforced and respected. Wheever says or insinuates the contrary is a wilful falsifier. The advocates of prohibition have confidence in both the people and the courts should knock a corner off our present law, they will resure or

both the people and the courts, and are certain of ultimate triansph. If the courts should knock a corner off our present law, show will restore or replace it to the test of their ability, always with deterence to judicial authority. If the runsellers should buy a legislature, we shall rally and carry its successor, able and eager to undo all the mis-chief it has wroughr. But we do not far the choice, a run legislature or an outlay of 100,000 collars, which is all that the liquor interest have been able to rate for this fall's canvas. As to the enforcement of the law, there is no demur or hesitation among its friends. Over two-thirds of the state, it is this day perfect. In the residue, it has been temporarily defeated by a conspiracy of mayors, recorders, judges, and others to trample, it under foot. This is inevitably a transient bril. The decision of the Court of Appeals on the law-points raised under it, and stee choice of a new legislature to uphold and strengthen it, will sweep away the last hiding-places of the desolating trifle. We are already freed from the curse of licensed ram-selling ; a few moaths more will place us in a position to stor the uniferned as well. few months more will place us in a p etop the unlicensed as well. Patient an ing effort will soon secure the end of our life-le struggle.

at 174,000,000 dollars, which, compared with the trade between the Atlantic and Pacific, trade of the principal goographical undertak-trade of the principal goographical undertak-trade of the principal goographical andertak-trade of the principal goographical positions of the principal goographical positions of a large number of the submarine calle in the Black Soa boing of Eastern Siberia ; another party was sent to the stoppes of the Kirghis ; a third, under the personal direction of Dollen, had toff the beat to form a base for the construction of a large number of to form a base for the construction of an exact to form