THE SONDRIDGE PARE OONBERVATORY, ENGLAND. THE SONDRIDGE PARE OONBERVATORY, ENGLAND.
Our illustration represents one of the most beautiful of English conservatories, that of Sundridge Park, Kent. The house is 100 feet in length by nearly 40 feet wide, and 85 feet in hight, and is constructed almost entirely of iron and glass having perpendicular sides and a curvilinear lanthornehaped roof, of pieasing proportions, supported on light iron work pillars, which also serve as supports for rare graceful climbers. The present engraving, asys the Garden, bequtiful as it is, gives but a very faint idea of the interior, which would require at least hall a dozen such views to do it full justice.
The cantral portion of the house is laid out in bede, in which palms, ferns, cy. cads, cameliae, and other rare exotics luxuriate with eomething of their native vigor. Around the sides, sub. stantial stone benches have been erected for amaller decorative plants in pote, and beneath these the bot water pipes are placed and concealed from view by a neat and or. namental cast irongrating. The hot water apparatus is of the la. teat and most approved kind, while the genial temperature main-
tained is amply sufficient for the choice blooming orchids and stove plante, whichare grown for the purpose of decoration in ranges of p'ant houses to the rear of the conserostory. A notable feature is a pair of loan eatare vilinear roofed house behind theod houses behind the conservato ry, and connected with that etructure by doors operiog intoan alcove very tastefully decorated with virgin cork, and planted with or chide, flmy ferns, and other choice exotics, the effect of which is considerably hightened by a large mirror wh ich extends the whole length of the alcove behind. These very behlnd. These very agreeable adjuncts to the coneervatory are very tastefully and ays tematically arranged in the natural style and planted out with ferns, orchide, and choice foliage plante, all of which luxuriate in the most vigorous manner possible. The doorways are fringed with masees of virgin with masses of virgin diums, over which lygo diume, ficus stipulata fresh green selaginel las, begonias, and bright veided eranthe mums ramble in rich profusion, and with a vigor only attainable by planting them out in good fresh soil with ample room to extend themselves in all direc tions. Conservatories, arranged in the nataral atyle, and having the finest apecimens planted out are ape cially to be recommended, as they are not only effective, but much less trouble is entailed on the gardener than when pots or tubs are employed.

THE BRITIEH INTERNATIONAL EXHIBITIONS, The series of eplendid International Exhibitions inaugu rated by the British Government, and carried out with so much effect in London by Her Majesty's Commissioners, are to be brought to a clnse with the termination of the presen year. These exhibitions were intended to extend over a period of several yeare, a now exhibition being opened esali year with some special characteriatic to render it prominent or attractive. But the world appears to have become surfeited with exhibitions, and even the Britieh Covernment is unable to induce the people to attend or take interest in them. This may in pert explain the apathy of our own peo ple in respect to the approaching Cantennial Exhibition at Philadelphia. The people are tired of euch ehows : they are regarded in the popalar mind as tame, insipid, and nothing
but advertisements after all. This is a very incorrect no tion, especially when we consider the remarkably excellent and in some respects wonderful collections of industries and objects that have been brought together at these British International Exhibitions. We have heretofore described some of the branches of the present exbibition, and now give the ollowing from The Engineer:
If there is a lively place in the whole exhibition, it is the French annexe. If anything could have turned the scale in favor of the exhibition, it would have been the foreign ele ment, especiany the French. India, which is part of our own empire, is worth a good deal ; but France is especially valu

Sommerard is the inspector-geueral. In the aroade near the French garden are shown some fine specimens of ornamental ocreenwork cut out of metal by the steam sawing machin at the mills of Delong \& Cumpany
The ingenuity of the French is shown in the mechanical singing birds of M . Bontems and the marvelous watches of M. Haas. Some of these watches wind up by the mere process of opening and shutting the outer case. One watch gives the day of the week and the date, besides showing the phases of the moon, striking the hours and quarters, and marking time to the sirth of a second. Another watch strikes hours, quarters, and minutes. In the mechanica section of the exbibition the Siebe Gorman diving apparatu section of the exhibition the Siebe Gorman diving apparatus was bronght into working order a few weeks back, and th operations of the diver in the raised tank with its glass panels are of general interest. Close at hadd Messrs. Chanc Brothers \& Co., of Birmingham, have erected their dioptric holophotal revolving light-of the first or der-a splendid ex ample of mechanica engineering. $\mathrm{As}_{\mathrm{w}}$ have before stated this is intended for the South Stack Lighthouse, Holy head, and has only just been made.
Cut short at the end of ite first Olym. piad, the exhibition sees its programme shorn of its fair pro. portions. In 1875 we were to have woven, were to have woven, apun, and felted fabprinting and dyoing. printing and dyeing. At the same time we were to have had a display of borological jnstrumentr, braes and copper manufactures, and all that relates to water supply. In 1876 there was to have been a collection of works in precious metale and their imitations, together with philosopbical instruments and agricultural machinery. The plan for 1877 was poor, consiating of furniture and upholstery, "health manufactures," and machine tools. The list for 1878 looked better, including glase, tapeatry, military engineering, naval architecture, and lighting by all methods. Iron was to ba the leading feature in 1879, while 1830 was to be famous for chemistry and articles of clothing, supplemented by sew. ing machines and railway plant-a droll aseortment, confound. ing our ideas of the druggist and the dra. per with the general per wersons atill think touches be seems to adorn. Going into the French annexe, \|liveliness of a railway station. Many persons atill think we are struck with the beauty of the engineering models. The very eewage apparatus has an air of elegance. The wood is polished beech. the metal is the finest brass, and everytbing has the finish of decorative work. There may be lack of faithfulness and reality in all this brilliancy, but doubtless the construction is correct. These, and other mod els, are sent by the Municipal Council of Paris, and are further elucidated by admirable photographs and drawings suepended on the adjacent wall. Models of waterworke, bridges, and other structures, are all very good. There is ikewise a ateam roller and a dlagonal aweeping machice. In another difision of the annere we meet with some splen did models of educational institutions, so perfect that noth ng is wanting bat the actual "fleeh and blood." The roome are there; all daly fitted up, and everything laid open to view by the aubetitution of glass for woodwork and mesonry. Up taira in the art gallery of the orhibition we meet with rchitectural drawings lent by the Commission which hes charge of historical monoments in France, of which M. du
hat there is something in this annual Interdational Exhibiion scheme which ought to be taken up and carried out. We are not, we confess, of the number. We trust that the present failure may be looked upon as final, and that, if we have not seen the last of International Exhibitions else where, they may at least be regarded as defunct at Suuth Kensington.

Rallway up the Volcano of Vesuvius.
The plans of the line which is to ascend Mount Vesuvius are now complete. The roate will be 161 miles in length. Tbe grades are 20 and 35 per hundred, and the road termirates at a few feet from the crater. There will ba one stanon, protected by a sort of break lava, which will divert the flow, in case of eruption, away from the building and raile. The road is so laid out as to be naturally sheltered at every point, except for a dietance of about 60 feet.
Tins Reoue Industrielle states that apples may be pre served in perfect condition by packing them in dry plaster.

