English's stem. In making the journey between the two cities, the cistance travelled on English ground is 78 miles, and on Belgian 89 miles. On the English side are two wel-appointed railways, the property of private companies, both running trains between London and Dover, each wish its separate chairman and board of directors, general manager staff and working plant. On the telgian side is a single railway, the property of the nation worked by government officials responsible to the administration for the time being. Of the two railways on the English side, the one ms trecently construce dwas authorized by Parliament in order to give the public the benefit of "competition" by railway. But Ta liament in its wisdom does not seem to have provided for the contingency of the new company combining with the od one and rendering "competition" imp seible. The companies have combined, and now see the advantage which the public has derived from the competitive policy so much favored by Parliament. First take express trains. While the fare by both the English lives to Dover for 78 miles is 20s first-class, and 15s second-class, or over 3d and 2 1-3d per mile respectively, the farea charged by the Belgian State railway for the journey of 89 miles is only 5s first-class, as 4d second-class, and 2s 3d third-class, or less than seven-tenths of a penny per mile first-class, less than five-tenths of a penny per mile first-class, less than five-tenths of a penny per mile first-class, less than five-tenths of a penny second-class, and a little more than three-tenths of a penny second-class, and the second-class, the Belgian railway allows only 25 kilogrammes, equal to about 55 lbs, free, charging for all above that weight at the rates of six centimes per kilometre, which, on 120 lbs of total luggage, would involve an addition to the Belgian fare between Optend and Brussels of about 55 lbs, free, charging for all above that weight at the rates of six centimes per thiometre, which, on 120 lbs of total luggage, would involve an addi

THE RESULT OF LOW TARIFFS.

The present very low tariff on Belgian railroads has been in force only three years. It was adopted in consequence of the advantages derived from a previous lowering of the tariff. In 1865, the Minister of Public works stated, since 1856, that is to say in eight

years:—

1. The charges of goods have been lowered on an average of 28 per cent.

2. The public have despatched 2,706,000 tons more,

2. The public have despatched 2,706,000 tons more, while they have economized more than 2,000,000 francs (.200,000) on the cost of carriage.

3 the public treasury has realized 5,781,000 francs more, after having paid the cost of working and the interest of capital.

Being in this prosperous situation, the government have asked if the time has not come for them to turn their attention to the second part of the problem of cheap transport. In other words, whether it is not proper to apply to the service of passengers the principles which have given such satisfactory results to that of goods.

cheap transport. In other words, whether it is not proper to apply to the service of passengers the principles which have given such satisfactory results to that of goods.

The government is of opinion that facility and cheapness of travelling are in principle as fuitful of benefit to all classes of society as the economical transport of goods can be for the producers and for the consumers.

The success of the Belgian system induced other governments to follow this plan. Thus, of 3,777 miles open in Frussia 950 miles were constructed at the expense of the State, and are worked by a government staff, 877 miles were constructed under concessions, and are worked by the government. In 1863 the State lines yielded a profit of 73 per cent. On the apital expended on their construction; the lines worked by the government yielded 5 per cent. Care has been taken in Frussia to prevent large preliminary expenses such as those which are necessary in England in carrying bills through Parliament Competition between rival companies which would cans a deprecia ion of railroad pr perty is not allowed. The givernment fixes the large, and sees that it is sufficiently low. No new line is to be conceded which the minister considers competitive. This is intended to secure the value of the lines when they shall become the property of the government.

A similar policy has been observed in the other German States, in which the railways contribute largely to the revenue. Austria has been compelled to leave the construction of the roads to companies it reserves the right, when the profits exceed 15 per cent, to make reductions in the toils authorized by the concession; at the end of 90 years the property in the railways and their appurtenances become the property of the bitate.

The railway policy of France has been somewhat similar. When public railways were first introduced in that country in 1836, the government unnert ok to assist in their formation by granting sums in aid, and by constructing the earthworks and bridges. The French li

perty of the State Meunwhile, in return for the assistance originally granted by the government, the companies are required to carry the mails free, as in Germany, and to carry the military and public employes at very low rates. The companies have also to submit to the control exercised by government over the rates and fares charged for all classes of traffic, besides paying a tax of 10 per cent. on their gross receipts But as the carrying monopoly of the c. mpanies is rigidly protected, and no competitive lines are conceded, nor more railways constructed than are considered necessary for the adequate socommodation of the public, nearly all the Freuch companies pay large dividends to their proprietors. perty of the State Meanwhile, in return for the

THE CHARACTERISTICS OF ENGLISH AND CONTINEN-TAL RAILROADS

TAL RAILROADS.

In England travelling is quicker and dearer; abroad it is slower, cheaper, and safer. The foreign receipts are greater and their expenses less. In France the receipts per mile are 10s. 2d, against 5s 3d; the net profit in one case is 6s. 5d, in the other only 2s. 9d. The reasons of this are fewer trains, less wear and tear, and slower speed. Great attention is paid on the Continent to third-class travel. Only princes and Englishmen travel first-class Eighty per cent of the German travellers are third and fourth-class. Yet they charge for first-class passengers but 1 d. per mile; the other rates are correspondingly low.

THE COMPETITIVE PRINCIPLE.

English statesmen have been fond of supporting competition amongst railroads; but the desired effect has not been produced. On the contrary, the additional expenses of a parliamentary or speculative character, increase the rates of charges. The evidence before the commission shows conclusively that the competitive system has broken down completely.

THE UNPOPULABITY OF ENGLISH BAILROADS

THE UNPOPULABITY OF ENGLISH BAILROADS.

In England, railroads are regarded as enemies of the public, on the continent as their friends. The following extracts from evidence before the parliamentary commission will illustrate this:

The two systems, said Mr Stewart (formerly of the London and Northwestern Railway), are totally different. One represents a system of unrestricted competition, leading occasionally to very great inconvenience and injustice to individuals; carried on, as respects ourrent transactions, without regard to commercial principle, and too often with a view only to effect a settlement with a competitor; producing disturbance and much inconvenience to the general traffic and also serious injury to individuals localities, and ports; whereas abroad they have a system based on monopoly, regulated by the State with a view to the avoidance of those evils; a system, in fact under which practical effect is given to the intentions of Cardwell's Act.

Act.

Again, Sir Rowland Hill also observed:
It cannot be denied that the injustice inflicted in
various ways on the companies is too often retaliated
upon individuals. No one can fail to be struck with
the great amount of public dissatistaction on the subject of railway management, of which not a little has
come before us in evide. ce. And it must be admitted
that there are points and occasions on which complaint is well founded. plaint is well founded.

IRREGULARITY OF THE TARIFF.

In Belgium there is a fixed rate of tariff, the system is uniform; it is based on just and definite principles; it works to the entire sate faction of the public. In England, on the other hand, it is an malous and most uniair.

INJUSTICE OF THE RAILBOAD MONOPOLY.

There can be no doubt that the idea on which Parliament originally set out, of allowing private individuals to project, construct, and retain as their absolute property the national highways and the right of working them for their sole profit, was short-sighted and foolish; and that the theory then entertained of applying the principles of free trade to railways was absurd in the highest degree. For the railway is essentially of the nature of a monopoly, with which anything like free competition is impossible. Railways have superreded nearly every other method of conveyance. "A railway," says John Stuart Mill, "is in a great degree a private monopoly unreservedly to a private company, does much the same thing as it it allowed an individual or an association to levy any tax they choose, for their own benefit, on all the mait produced in the country, or on all the couton imported into it." This, however, has been done in England; and the way it has been done—so strongly in contrast with the poicy pursued by Belgium, Prussia, and oh i continental governments—has air-ady been productive of many evils, and is likely, if not remedied by legislation, to be productive or many more. It has been ascertained that it is a very great loss to the public, though affecting in the first instance the share holders, to have non paying roadsc. narructed. Where there are two competing lines there is always an auxiety to con bine them, and thus reduce expenses. The advantages of amagemating lines are highly spoken of by railroad managers in their evidence before the Railroad Commission— Every fresh amalgamation," says one of these officials, "has added to the development of the traffic. We have improved from being a non-paying line to paying six per cent." The advantages of sole and managers in their evidence before the Railroad Commission— Every fresh amalgamation, be productive of many evils, however that the managers and their evidence before the Railroad Commission— Every fresh amalgamation, be admitted, however that the manager There can be no doubt that the idea on which Par-

THE IRISH RAILWAY TRAFFIC

The main feature of the Irish system is the exorbitancy of the lares charged; its other inconveniences are no less disastrous to the companies. Thus, in travelling from Waterford to Dublin, a distance of 112

miles, a third-class passenger must spend the greater portion of two days. The fares charged third-class passengers between A-hlone and Dublin are higher than the express first-class fares on Belgian lines for a similar length. The resources of the country are not properly worked in consequence of these charges. Thus the west coast of Ireland swarms with fish, and no facilities of forwarding it cheaply and rapidly to England or to the eastern coast are afforded. The denoce of the proprietors is that the roads are private speculations, and that the companies endeavour to recoup themselves. But it is in the method of doing this that theyer. It is extremely enerous to the public and does not enrich their proprietors. The expense of working them on the high fare system amounts to 75 per cent of the gress receipts, and the average dividend is 2½ per cent. It is worthy of notice that, while the increase in the receipts from passenger traffic on the English railways in 1866 compared with 1865, was £674,885, and on the Scotch railways £75 124, the decrease on the Irish railways during the same period was £41,186. And yet the mileage of Irish railways companed with the population and the area of country served, is less in proportion than either in England or Scotland, while the Irish lines have been constructed more cheaply than those of most European countries, as will appear from the following table:

COUNTRIES.	Miles open.	Miles of Kait- way to every 10,000 popula- tion.	Average cost of Kailways per mile.	Miles of Ra' way to every 100 sq miles of terri- tury.
England	9,701 2 244 1 909 1 247 9,014 3 777 3 694	Miles. 5 7 81 21 21 21 1	Miles. 17 7 6 10 4 4 2 2	£ 41,500 23,600 14 000 18 280 24 80 0 16 740 21,700

HEATING RAILROAD CARS—The New York Times says: A new apparatus for heating railway cars has just been tried on the Michigan Southern Railroad. It cot sists of a series of pipes, passing a ong the sides and beneath the seats of the cars, connected with a cylindrical tank inclusing a coal burning heater, and partly filed with water, which is gradually converted into heated vapor, which readily passes through the pipes, circulating through them, and returning to the tank imparting heat to every port of the car in proportion to the temperature to which the vapor is rai-ed. The apparatus is capable of holding enough coal and enough water to last twenty-four hours, and is said to require little or no attention during the trip. It is reported to have solved its purpose admirably in the trial that has been made. There is no doubt that we require some other mode of heating railway cars than the dangerous coal stoves which last winter, as in previous winters, produced such terrible disasters and destruction of line. The companies ought to see to this matter before the arrival of the very cold weather.

Shoddy.—Wo lien rags are becoming a more important article than formerly. Once they were used the fly for manure, for which upose they are very valuable, a large demand existing for them among the agriculturists of England; but since wollien fabrics have advanced so much in price they have been extensively worked over and during the war have given rise to a term that will not very so n pass out of memory with the American people—Shoudy. The woollen rags are the roughly picked to pieces, and make an extremely short staped wool, whilm may be used for some fabrics, but the cloth in o which it is woven is of comparatively little value.