"WAVERTON" TURBINE WATER-WHEEL.

At turbine water-wheels are so larger in expensive as to be out of the question, some observations relative to the exhibit here illustrated, made at the recent Engineering and Metal Trades Exhibition at the Central Hall, May Fair, London, may not without interest to persons engaged in the practical operation of mining. Great pains have been taken to construct this turbine on scientific principle, and particularly to so arrange its parts and its working that its power shall be just equal to its weight of water.

The following points are of special importance in noting the superiority of the turbine. It may not only be of a very high efficiency, but with skill and judgment it may be made to give a very high efficiency of its fullest extent. It is, of course, of great importance in countries subject to summer droughts, where, with an ordinary turbine, the serious fault is experienced that when the supply of water is at its smallest, and consequently most precious, the wheel is most wasteful. These wheels being designed to run at very high speed, are very convenient for driving machinery.

The efficiency of a turbine as a whole is largely affected by the efficiency of the wheel, the size of the wheel, and the speed at which it runs. A large wheel is more efficient than a small one, and a wheel running at a high speed is more efficient than a slow one. The efficiency of a turbine also depends on the manner in which the water is supplied to the wheel, and on the way in which the power is taken from the wheel. A well-designed turbine will therefore give a very high efficiency, and it is the practice to arrange the parts and working of the turbine so as to make it as efficient as possible.

CORRESPONDENCE.

[We do not hold ourselves responsible for the Opinions or Statements of our Correspondents.]

MINING ON THE GOLD COAST.

To the Editor of the "The Mining World and Engineering Record."

Sir,—My news from Capt. Cameron is in full. I am told by those who have knowledge of the country, that the province of Gold Coast is under the circumstances of any other country. The mines are few and far between, and the work is very hard. The government has taken every possible precaution to prevent plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country. Old Chief Cofou has lent me three of his wives to wash for gold; and in this way I hope to prevent part of the plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country.

A correspondent finds intelligence, as well may live, very satisfactory, and he is glad to find that the government has taken every possible precaution to prevent plundering.

The only unsatisfactory part of Cameron's letter is that it will not be delivered in time. He has said, "We are not likely to work the engines; and the Apam will be able to go on its own bottom. The tugs are now starting for the mine, and I must have a man at each place (to prevent stealing). The 'Tom' is at work on the river; but more news will be sent as it comes."

My news from Capt. Cameron is in full. I am told by those who have knowledge of the country, that the province of Gold Coast is under the circumstances of any other country. The mines are few and far between, and the work is very hard. The government has taken every possible precaution to prevent plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country. Old Chief Cofou has lent me three of his wives to wash for gold; and in this way I hope to prevent part of the plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country. Old Chief Cofou has lent me three of his wives to wash for gold; and in this way I hope to prevent part of the plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country. Old Chief Cofou has lent me three of his wives to wash for gold; and in this way I hope to prevent part of the plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country. Old Chief Cofou has lent me three of his wives to wash for gold; and in this way I hope to prevent part of the plundering. Mr. Smith, of the Ophir Company, is the best mining manager I have met with, and he has a thorough knowledge of the country.

I shall do my best to meet my friend, and fellow-traveller in London. I cannot, I can tell the public all he has done for West Africa.

RICHARD F. BURTON.

Trieste, July 20th, 1883.

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APPENDIX.

A petition has been filed for confirming a special resolution for reducing the capital of the Mortgage Company of England from 5,012,500 to 1,000,000.

THE ORGANISMS MINING LIMITED.—In another column it will be found stated that 85 tons of gold have been cleaned up, besides 22 lbs. of amalgam, the estimated value of both being about 500,000.

The introduction of the "Charo," 2,084, which would have to be added to the value of the gold in the stamp boxes and in the Portuguese part, which had not been cleaned up. The total profit of the works would accordingly be considerably larger, and possibly double the amount we have named. The Buenaventura level, which is the principal one in the mine, continues to be worked, and will provide a sufficiency of quartz to keep the stamping in continuous operation so soon as it is advanced beyond the "Charo," will be worked, and will provide a sufficiency of quartz to keep the stamping in continuous operation so soon as it is advanced beyond the "Charo." The above facts, and the excellent prospects of the mine, are the two most striking features that British-America, fortunately, there are a great number.

HOLLOWAY'S CINTMENT AND PIZZ.-Chest and stomach complaints.—The best and most effective medicine—drink Holloway's Pill. It is the only sure way to dispel this disease, and make the system strong and healthy. Holloway's Pills excite the insensible power of thoroughly cleansing each part of the body, and possessing all the most important functions. They cope most successfully with chest diseases, stomach complaints, liver disorders, and many others. They are the one sure remedy for all mankind at certain seasons in town and country. The directions for use enable every one to regulate the operation of these pills, and make the system strong and healthy. All without other treatment has failed to relieve, are respectfully invited to try Holloway's celebrated medicine which will strengthen and cure them.