
[Reported OIficilly for the Scientific American.]
LIST OF PATENT CLAIMS Issued from the United States Patent Ollice for the wemb ending august 5,1856 .
















 recited.
sith
rith the




















 structed dand acting in coninection with the grad anal mo
tion of the stern, hof the vave, substantially as speci
fied.
ENverop E-W. H. Coates, of Philadelphia, Pa, Al Al
though as an extra secure means of fastening envelopes, Chave show the same as furnished with doublo waters a
hate










 a, arranged and overer tininin the the nclini
described and for the purpose sot forth.



 ranged and operated substantially as described, and foo
the purpose shown
Secer































 when operated on by the lever valve ZU, for the purpose
mentioned.





 KMrTTNG. MAcHin ri-Augutus . and Demus Goffe,









 are out or range e while the ten ce in yet engated in the
tum hors.
set forth.
sussantialily in the manner and for the purpose



 tially as doscribed, and arranged and ond operatod
cable in in the manner and or the purposes set folth.





 Corn 4 ND Cos MLLS-Jacob O. Jovee of Cincin

 the spaces be
as see forth.

 scribed and no other







 Sf series, as set for th
We als
as
and





 arane and





 do not claimim the arrangement of the boiler outside and
independent of the ovem, so as to have the hot air and
ind steam at variable temperatures, and mix them at pleas
ure, or as the chai acter of the cooking may require.



sucht I claim the arrangement ofa ocompensating gitman
when a appied to a hemp brake, and constracted substan



 brake.
Suryive Learripr-Francis $A$. White of Roxbury
Mass.
Iam aware that other oii has been combined






 bars, which are selfatating, in the manner or an equiva-
fort thanner to that described, and for the purposes set
ofth.
















## The Morse Telegraph in Europe.

Prof. Morse who is now in Europe, has received great attention from the most scientific men, and the most eminent electricians in England. At a dinner recently given by Mr . Brett to the gentlemen connected with the telegraph, Mr. Brett toasted Prof. Morse, and in a speech bestowing upon him the highest encomiums, declared that his system of telegraphing was now the universal system. Dr. O'Shaughnessy, who is Superintendent of all the East India Telegraphs, seconded Mr. Brett's remarks, and staied he had madea report to the East India Company, recommending the substitution of Morse's instruments on all the lines for the Needle Telegraph they have hitherto used. He pronounced Morse's system not only the simplest, but the best ever invented, and the only one worthy of universal adoption.
A correspondent of the Philadelphia Ledger s:-
In Paris, also, Prof. Morse was received by Count de Nourhy, the Director General of Telegraphs, with the utmost courtesy, and being ushered into the telegraph rooms of the central station, about thirty instruments of his invention welcomed him with the music of their filial voices.
A reminiscence made this scene peculiarly interesting. These instruments were in the building which formed the central station of the French Semaphore Telegraph, by whose outstretched but now unmeaning arms, it is still surmounted. In that same building, eighteen years ago, Prof. Morse exhibited his instrument, and endeavored, in vain, to satisfy the managers of the Semaphore that he had brought them a superior system. What he could not do for his instrumentit has done for itself, and now it constitutes the only telegraph in the French empire."

## Submarine Blasting

A ridge of hard concrete, near Governor's Island, in the harbor of New York, is now undergoing demolition, by the simple process of submarine blasting without boring. The ridge -named Diamond Reef-is 300 feet long and 40 wide, the water is 16 feet deep on it at low water ; the reef is to be reduced 6 feet, leav ing 22 feet depth of water, at low tide
The contract, to reduce it was taken by Messrs. Husted \& Kroehl for $\$ 35,000$, and there is every prospect of these contractors accomplishing their object, with promptitude and profit. Large tin cannisters attached to the lower ends of strong pointed stakes, and filled with powder, are sunk to rest on the face of the reef, and are discharged with a galvanic battery. The weight of the superincumbent column of water, when the blast is discharged, assists to make the expansive force of the powder act powerfully on the reef in a downward direction, and laterally, thereby riving and disintegrating it with rapidity. Some of our cotemporaries call this blast the "Paisley Blast," instead of the Pasley-after Col. Pasley, who first applied it some years since to remove concrete shoals in the river Thames. Mons. Maillefert first introduced it, we believe into our country, and he obtained a patent for it, although, as we then pointed out, the invention was quite old. This system of submarine blasting is one of the mos useful inventions ever discovered, for removing concrete shoals in navigable rivers and harbors-its value is but beginning to be properly a ppreciated.

## The Telegraph in the East Indies.

In two years four thousand miles of telegraph wire have been erected in India. Cal cutta, Bombay, Madras, Delhi, Lahore, are now telegraphically united, and six thousand miles of new lines are in the course of erection. No. 1 galvanized iron wire is used. The wires are erected on strong durable posts, like those in our own country.

An American Block for Watt's Monument. A fine monument is about to be erected to the great improver of the steam engine, James Watt, in his native town, Greenock, in Scotand, and a fine large block from the Seneca quarry on the Potomac, Md., has been received or it from Gilbert Cameron, the builder of the Smithsonian Institute, Washington.

