Scientific American.

CORRESPONDENTS

C. A. of N. Y .- Your several concentric tubes of thin metal with the spaces filled with cementfora submarine carriage-way would probably be cheap, but we do not any advantages aside from this consideration, and believe it very difficult to construct and lay down H. P., Jr., of Tenn.-Yes, there has been several ma

chines patented for sowing lime broadcast. H.K. Alexander, of Pekin, Ill., writes that he has an inexhaustable supply of bituminous coal, and desires to procure the apparatus for distilling, and to be posted in regard to the whole modus operandi. Who will give Mr. A. the desired information, and furnish the machinery?

Address him as above. V., of N. Y.-We suspect you are half right regarding. Cremona violins. They are, perhaps, estimated like old coins and medals. not so much on account of their intrinsic value, as their age and a certain fame connected with them. You have not given any facts, however, relative

to where violins are now made equal to the Cremona. A. R. D., of Mass.—In making sugar from starch em ploy two and a half parts of sulphuric acid for one hundred parts of starch and three hundred parts of water by weight—ounces or pounds. Make the starch into paste first, then stir it in the acid with the water, and boil the whole in a lead pan until it is quite clear. The acid will corrode any other metal than lead. The boiling must he continued for about thirty-six hours.

J. A. R .- The Golden Rule has ceased to be published C. T., of Vt.—There has been a very great number of devices for shooting harpoons into whales by gunpowder. We do not think your chance is good for making a valuable improvement in that line. Mr. C. C. Brand, of Nor wich, Ct., has some twenty men at work making a kind of hollow arrow of iron charged with powder, and pro-vided with a fuse. He shoots the arrows, which he terms "bomb-lances," from a heavy gun, and it explodes within the whale. This is the best within our knowledge.

M. B., of N. Y .- Can you not give us more minute in formation respecting the application of the waste heat of smelting furnaces to generate steam, by James Pittaird? Where did you see it applied in 1820, and what was the result?

J. C., of N. H .- Sulphuric acid and water is the liquid which is employed to remove scale from iron castings in foundries.

T. W., of Ill.-The ventilation of houses is a subject on which it is very difficult to give advice, for the reason that ventilating apparatus should be arranged according to the relative situations of the chimney, rooms, door, and windows. " Griscom on Ventilation" is a good work published by Redfield, this city. H. Ruttan, Esq., of Coburg, C. W., has an excellent system of ventilation, and we are now preparing engravings to illustrate another which will appear shortly.

L. B. T., of Pa.-Your stone cutting machine, as far a shown, is not new or patentable. Wilson's patented machine exhibits substantially the same features.

S. R., of Ky.-We advise you not to go on a hunting expedition to Africa in search of ivory. The malaria of the country is so fatal to strangers that perhaps not one of your party would survive its influence.

C. T. M., of R. I.-You can drive a rotary pump by forcing water into it from a reciprocating pump, but it would be a very round-about method of propelling a boat, and would involve a great loss of power. V.R. S., of N.Y.-We cannot tell you where to obtain

spring steel 1 1-4 inch wide and 1-3 inch thick. Any steel house can probably supply it. Address Sanderson Brothers, this city.

J. W. H., of Mass.-Wine is made by pressing the grapes, then fermenting the juice in vats keptin a cellar, care being taken not to allow fermentation to proceed to the acctous stage. After it has slightly formented, bottle it up, seal the bottles and keep them in a cool cellar Address C. M. Saxton, Fulton street, this city, for

Hoare's work on the cultivation of the grape vine. W. R. A., of Pa.-You will find a description of the syphon in every elementary work on hydraulics. It can-not be made to discharge at its top upon any principle whatever.

E. B., of Pa.-Brushes constructed after the manne of fountain pens are not new or practically feasible. The paint will so adhere to the inside case and around the base of the brush as to render them unfit for use in a very short time.

C. E., of Ill.-We are happy to hear that you are in prospect of disposing of your patent on so good terms. The date of the patent referred to is April 23, 1857.

E. M.R., of Pa.-We consider D.K. Clarke's work of Locomotives the best yet published. B. S. H., of N. C.-The price of volumes 6 and 7 is \$4

It will cost less to send them by express than by mail, H. S., of Pa.—We are out of No. 35, this volume.

C. H. G., of —.-We hope your discovery for casting gun barrels around "a round hole," as described, will prove of immense advantage to you. You had better cast the first barrel around the hole in your head; and when your first fowling-piece is completed we advise to make an experiment with it in goose shooting in Sheepshead Bay.

Money received at the Scientific American Office count of Patent Office business for the wee Saturday, June 13, 1857 :-

C. C. W., of N. Y., \$30; G. V. B., of Mo., \$20; F. & M of Mass., \$60, W. Mt. S., of N. Y., \$400; J. B., of N. Y. \$275; S. Van S., of N. Y., \$100; D. W. H., of Mo., \$25; C F. B. E., of Texas, \$25, C. & S., of O., \$55; J. D. M., of Mass., \$55; T. E. C. B., of Ky., \$15; J. S. T., of Md., \$250; H. H., of N. Y, \$30 ; A. C. C. of Mich., \$20 ; J. O., of Md, \$30 ; C. H. E., of Wis., \$30 ; A. J. & J. A. F., of Vt., \$30; S. R. H., of N. Y., \$30; J. C. McD., of O., \$25; S. & B., of N. H., \$100; B. & McC., of Va., \$25; N. S., of N.Y., \$50; J. K., of N. J., \$25; J. F. H., of N. Y., \$25; J. H., of N. Y., \$15; E. L., of N. J., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, June 13, 1857:

A. F. H., of N. Y.; J. H., of N. Y.; J. S., of O.; C. F. B. E., of Texas: A. C. C., of Mich. : D. W. H., of Mo. . E. L., of N. J.; B. & McC., of Va.; E. H. T., of N. Y.; O. & S., of N. Y. TO PATENTEES AND ASSIGNEES.

Letters Patents belonging to the following parties are remaining at our office uncalled for, and we would thank the inventors or assignees who have an interest in the inventions which they represent, to order them away, and thus relieve us the care and space of storing them Heretofore we have carefully preserved such document cuments in a fire-proof safe, but if the owners do not call for them within a reasonable period after this notice, we shall be obliged to turn them Parties ordering by

tamps, to pay postage.		
Thomas Hopper.	C. L. Adancourt.	
T. G. Boone.	C. B. Brown.	
William Benjamin.	H. Waterman.	
J. Robingson (2).	A. Duboce.	
B T. Babbitt.	M. Smith.	
Holmes & Butler (2).	J. L. Morgan.	
McNab & Carr.	C. G. Best.	
W. B. Godfrey.	S. Bull.	
S. T. Field.	O. Hussey.	
A. Stoner.	Henry Harrington.	
James Greenhalgh, Sen.	S. S. Hurlbert.	
J C. fr Solomon (2).	John Parry.	
J. Andrews.	J. B. S. Hadaway.	
O. Rice.	B. F. Cook.	
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John L. Mason,	J. F. Burgin	
Thomas Durden.	E. Emmert.	
A. M. Glover.	J. C. Briggs.	
Z. A. Butts.	W.T. B. Read.	
D. Woodbury	V. N. Mitchell.	
S. Hull.	J B. McCormick.	

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