

SCIENTIFIC AMERICAN

ESTABLISHED 1845

Is the oldest and most popular scientific and mechanical paper published and has the largest circulation of any paper of its class in the world. Fully illustrated. Best class of Wood Engravings. Published weekly. Send for specimen copy. Price \$3 a year. Four months' trial, \$1. MUNN & CO., PUBLISHERS, 361 Broadway, N.Y.

ARCHITECTS & BUILDERS

Edition of Scientific American.

A great success. Each issue contains colored lithographic plates of country and city residences or public buildings. Numerous engravings and full plans and specifications for the use of such as contemplate building. Price \$3.50 a year 25 cts. a copy. MUNN & CO., PUBLISHERS.

PATENTS may be secured by applying to MUNN & CO., who have had over 40 years' experience and have made over 100,000 applications for American and Foreign patents. Send for Handbook. Correspondence strictly confidential.

TRADE MARKS.

In case your mark is not registered in the Patent Office, apply to MUNN & CO., and procure immediate protection. Send for Handbook.

COPYRIGHTS for books, charts, maps, etc., quickly procured. Address

MUNN & CO., Patent Solicitors.
GENERAL OFFICE: 361 BROADWAY, N. Y.

TO THE DEAF.—A person cured of deafness and noises in the head of 23 years' standing by a simple remedy, will send a description of it FREE to any Person who applies to NICHOLSON, 177 McDougal Street, New York.

SHEET MUSIC BOOKS,

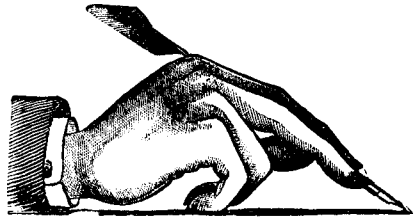
MUSICAL INSTRUMENTS, &c.

SHERLOCK'S - MUSIC - WAREROOMS,

281 PRINCESS STREET.



\$93 Sewing-Machine FREE
To at once establish trade in all parts, by placing our machines and goods where the people can see them, we will send free to one person in each locality, the very best sewing-machine made in the world, with all the attachments. We will also send free a complete line of our costly and valuable art samples. In return we ask that you show what we send, to those who may call at your home, and after 2 months all shall become your own property. This grand machine is made after the Singer patents, which have run out; before patents run out it sold for \$93, with the attachments, and now sells for \$50. Best, strongest, most useful machine in the world. All is free. No capital required. Plain, cure free the best sewing-machine in the world, and the best line of works of high art ever shown together in America.
TRUE & CO., Box 740, Augusta, Maine.



Commercial College of KY. UNIVERSITY, LEXINGTON, KY.
Occupies 3 Large Halls and 7 Rooms.



Cheapest & Best Business College in the World.
Highest Honor and Gold Medal over all other Colleges at World's Exposition for System of Book-keeping and General Business Education. Nearly 1000 Students in attendance in 1887, from 30 States and foreign Countries. **4000** Graduates in Business. 10 Teachers employed. Business Course consists of Book-keeping, Business Arithmetic, Penmanship, Commercial Law, Merchandising, Banking, Joint Stock, Manufacturing, Lectures, Business Practice, Mercantile Correspondence, etc. **Cost of full Business Course**, including Tuition, Stationery, and Board in a nice family about \$90. **Short-Hand, Type-Writing and Telegraphy** are specialties; have special teachers and rooms, and can be taken alone or with the Business Course. Special Department for Ladies. Lady Principal employed. **No vacation.** Enter now. Graduates Guaranteed Success. For circulars, address, **Wilbur R. Smith, Pres't. Lexington, Ky.**

CONFEDERATION LIFE ASSOCIAT'N.

RATES 10 PER CENT. LOWER THAN FOREIGN COMPANIES.

A. WALDIE, JOHN MacDONALD,
GENERAL AGENT. AGENT, KINGSTON

FRED. A. BIBBY,

129 Brock Street, the Leading

- HACK AND LIVERY STABLE, -
IN THE CITY.

TELEPHONE NO. 157.

A. SIMMONDS,

Book Collector, Stationer, &c.
STUDENTS' GOWNS.

ARNOLD SINE,

202 PRINCESS STREET.

DEALER IN

Plush & Brass, Fancy Perfume & Dressing Cases,
FANS, BASKETS, GAMES, ETC.

A FULL LINE OF FANCY GOODS.