## IMPORTANT BOOKS

Mineralogy, Assaying, Mining, etc.

















## f postage. at the or any of of our bour brioks sent by


Office. 84 N . Rutaw St , Baltimore, Md.
 Novy Yard
Navy Yard
Navy Yard

belt mietion clutch
For Gears, Shaft, Couplings, and Pulleys
W. OESTERLEIN
 853 Brondwan
 YOUNG MEN

## READ THIS

chasing Dr. Joy's Celebrated Electric Devices, Yne nted by Prof, Donglas A. Joy, of the Uni
vernity or Michigan, especially for the cure

 a



## PATENTS.

## MESSRS. MUNN \& CO., in connection with the pub- lication of the ScIENTIFIC American, continue to examinc Improvements, and to act as Solicitors of Patents

 In this line of business they have had thirty-fiveyears' years experience, and now have mequaled facilities for the prosecution of Applications for Patents in the
United States, Canada, and Foreign Countries. Messrs. Muin \& C'o. also attend to the preparation of Caveats, Copyrights for Books. Labels. Reissues, Assignments, intrusted to them is done with special care and prompt ness, on very reasonable terms.
A pamphlet sent free of charge, on application, con cure them; directions concerming Labels, Copyrights Designs, Patents, Appeals, Reissues, Infrigements, As-

We aleo send. free of charge. a Synopsis of Foreign Patent Laws, showing the cost and method of secur
patents in all the principal countries of the world. MUNN \& CO., Solicitors of Patent 37 Park Row, New York.
BRANCH OFFICE.-Corner of $F$ and Thh Streets,

## The Cyclopaedia War.














 $\mathbf{\$ 5 , 0 0 0} \mathbf{R e w} \mathbf{W a r d}$ dit








## AMERICAN BOOK EXCHANGE.

JOHN B. ALDEN, Manager. 764 Broadway, New York

## MACHINISTS' TOOLS. <br> Laihes, Planers, Drills, \&cc. <br>  <br>  <br> DEAN BROTHERS, <br> Steam Pump Worts, <br> indiasipoils, ind., <br>  <br> BUILER PEEDERS AND POMPING MACHINERY <br> RUPTURE <br>  <br> MACHINERY <br> 


"BLAKE'S CHALLENGE" ROCK BREAKER.




 IC HOUSE AND COLD ROOM.-BYR.


NEW YORK BELTING AND PACKING COMP'Y.

EMERYWHEEIS


HLAKE CRUSHER C0., Sole Makers, New Haven, Conn.


## Roots' New Iron Blower.



POSITIVE BLAST. IRON REVOLVERS, PERFECTLY BALANCED Is SIMPLER, AND HAS
PABTS THAN ANY OTHER BLOWER. P. H. \& F. M. ROOTS, Manufrs, CONNERSVILLE, IND.
S. s. Townseno, Gen. Aqt., 6 Cortinate St,
 a-send for priced catalogue

 BEATTYS ORGASM


WITHERRY, RUGG \& RICHA RDSEN. Manufacturers


## Geo. W. Read \& Co., MAHOGANY,

Cabinet WVoods.
cUt and press dried
THINLUMBER,
CIGAR BOXES, Panol stock, Etc., Eto.

186 to 200 Lewis St., New York. INVALID ROLLING CHATR.

 ORNAMETAL INTTIALS-A COMS







50 An Goid cramo and fite Gardo. (Ho zalike), The new german patent law.



## THE BAKER BLOWER.



