## RATES OF ADVERTISING.

Thirty Cents per line for each and every insertion, payable in and must send when they wish advertisements published, we will explain hat en words average one line. Engravings will not be admitted into our advertising columns; and, as heretofore, the publishers reserve to
themselves the right to reject any advertisement sent for publication.

PORTER'S IMPROVED GOVERNOR.
The reputation of these governors is wall established. Parties
troubled with unsteady power may sead for them in entire confidence. They never fail. The numerous valves in use are all equally good, if well made; the The numerous valves in use are all equally good, if well made; the
form of the opening is immaterial. The governors are warranted to
work pertectly with any and all valves, which move freely and close form of the opening is immaterial. The governors are warranted to
work perrectly with any and all valves, which move freely and close
tolerably tight. Aive syle is made expressly adapted to waterwheels, to which they will I lave long done with troubling my customers for certificates ; but am able to refer to a large number of $p$.
majority of the States of the Union.
Ywill send a movernor to any responsible I will send a covernor to any responsible party fortrial. If it does not
operate perfectly it may beturned.
Aliberal disceunt to the trade, whose orders will always be promptly filled.

CHARLES T. PORTER,
No. 235 West Thirteent 1 -street, corner of Ninth-avenue
New York City.
113

## SEMI-STEEL

SEMI-STEEL LOCOMOTIVE TIRES, FIRE-BOX AND Tube sheets, and Boiler Plates. Warranted fifty per cent stronger and more durable than the best
Low Moor quaities of iron. TIRES-Rolled, blocked and welded to fit any given diametor of center.
PLATES-Rolled and cut to any pattern and size ordered.
Rolled and Hammered Bars, Axles and Forgings of same $n$ promplly executed, uyon apple cation.
Manufiatured by CORNING, WINSLOW \& CO.,
$113^{*}$

WARREN'S TURBINE WATERWHEEL (WARREN \& wrikhts Damon's matent).-Cotton and woolen manutacturers, mill. Water power, should investigate this wheel. Recent in proventents are
included and clearly illustrated in a late pamphlet of 51 papes. Ap-
nlicants send two stamps. Special atention paid to souhern trade.
ind


40 SECOND HAND $\mid$ HOWE'S STANDARD
 cheap. Taken in exchange iof
Lilles chilled and wronght iron
safes. Send for circulars of scales and sifes.
JOHN HOWE, JT., Mraker. Brandon, Vt.
FRANK E. How
House, New York.
WNGINE FOR SALEA-A 6-HIORSE ENGINE, WITH 14 Boiler and Pump complete; now in use at No. 306 Pearl-strect
me bemoved before the nist of May
$132^{*}$
HAYDEN, SANDERS $\&$ CO.
door on Portable Engines-" PRACTICAL IN


 $\underset{\sim}{\text { a com }}$

A YOUNG MAN, A COLLEGGE GRADUATE, DESIRES A employment with a Surveyor in his out-door duties; testimonials
as to chacacter, \&c. can be given. Address SURVEY, Post Oflice Boa
No. 1,740, Philadelphia, Pa.

TEEMW ENGINES FOR SALE-NEW AND SECOND
 ion, well stocked with tools and all that is required to conduct the
business. Iurfurc at the MACHINE SHOP, No. 643 Water-street,
New York.
$T$ TO CANDLE AND SOAP MAKERS.-PROFESSOR IH. rication of Candles and Soaps of every and ascription; Plans of Facto-
 Cocoa, Palm Soaps; Processes to bleach Yalm Oil, and make Candles of
it; Essays of Greases and Soaps. Address at New Lebanon, N. Y. $\mathbf{1}^{*}$

THE HERALALD OF Progress and Reform ; Andrew Aackson Davis, Editor his well-established Fanily Newspaper has entered upou its, second
olume, with ant able array of contributors. The editor furuishes
eeeky contriutions to the Medical Depariment, also, Medical Whisper's" and "Answers to Correspondents," with articles under
the following and other distinct heals. "Teachings of Natre,
"Voices from the People," "Doings of the Moral Police," "Tidings


W by a young man of steady habits. Address, with card, E by a yound man of steady habits. Address, with card, E

M ACHINERY,-S. C. HILLS. No. 12 PLATVI-STRERET, New York, dealer in Steam Engines, Boilers, Planers, Lathes
, Drills, Pumps; Mortising, Tenoning and Sash Machines Woodw, Mrth's and Daniels' Planers; Dick's Punches, Presses an
Shers; Cob and Corn Mills; Harrison's Grist Mills; Johuson's Shingl
2*etw
Miils; Belting, Oil, \&c.

C ANTERNS ARRANGED FOR THE NEW OXY(iEEN


SULPHATE OF AMMONIA, SUITABLE FOR AGRIcoultural and chemical purposes, for sale by DODGE, COLVILLE
A $\underset{\text { Les Inventeurs non familiers avec la langue A nglaise et qui pre }}{\text { MESSIEURS }}$ Areraient nous communiquer leurs inventions en Francals, peuvent
ous adrcsser dans leur langue natale. Envoyez nous un dessin et nermercription enncise po
York.
$\mathbf{H}^{\text {OMES FOR THE industrious, }}$
garden state of the west.
the
illinois central railroad company have for sale
1,200,000 ACRES OF RICH FARMING LANDS,
TRACTS OF FORTY ACRES AND UPWARD, on
LONG CREDIT AND AT LOW PRICES.
mechanics, farmers and working men.
The attention of the enterprising and industrious portion of the comoffered them by the
illinois central railroad company
Which, as they will perceive, will enable them, by proper energy, per severance and industry, to provide comfortable homes for themselves LANDS OF ILLINOIS.
No state in the Valley of the Mississippi offers so great an inducement to the settler as the State of Illinois. There is no portion of the world where all of the conditions staples-corn and wheat-as the prairies of Illinois.
the southern part
of the State lies within the zone of the cotton regions, while the soil is admirably adapted to the growth of tobacco and hemp; and the wheat Is worth from
further North.
rich rolling prairie Lands.
The deep rich loam the prairies is cultivated with such wonderful facility that the farmers of the Eastern and Middle States are moving
to Illinois in great numbers. The area of Illinois is about equal to that of England and the soil is so rich that it will sumport twenty millions of people.

EaStern and southern markets
The se lands are contiguous to a railroad 700 miles in length, which ing an unbrokener roads, and navigable lakes and rivers, thus al ordkets.
application of capital.
Thus far, capital and labor have been applied to developing the soil; the great resources of the State in cual and iron are almost untouched. The invariable ruie that the mechanical aris flourish best where food course of thenext ten years the natural laws and necessities of the case warrant the belief that at least flve hundred thousand people will be engaged in the State of Illinois in various manufacturing pursuits. RAILROAD SYSTEM OF ILLINOIS
Over $\$ 100,000,000$ of private sapital have been expended on the rail roads of Illinois. Inasmuch as part of the income from severalo State expenses, the taxes are light, and must, consequently, every day decrease.
the state debr.
The State debt is only $\$ 10,105,398.14$, and, within the last three years has been reduced $\$ 2,959,746.80$; and we may reasonably expect that in n years it will bec

## PRESENT POPULATION

The State is rapidly filling up with population; 868,026 persons having been added since 1850 , making the present population 1,7 22,663-aratio
of 102 per cent in ten years.
AGRICULTURAL PRODUCTS
The agricultural products of Illinois are greater than those of any her State. The products sent out during the past year exceeded $1,500,000$ tuns. The wheat crop of 1800 approaches $35,000,000$
while the corn crop yields not less than $140,000,000$ bushels.

FERTILITY OF THE SOIL.
Nowhere can theindustrious farmer secure such immediate results for his labor us upon these prairie soils, they being composed of a deep rich loam, the fertility of which is unsurpassed by any on the globe.
TO ACTUAL CULTIVATORS.
Since 1854 , the company have sold $1,300,000$ acres. They sell only to vate. The road has been constructed through these lands at an expense of $\$ 30,000,000$. In 1850, the population of the forty-nine counties through which it passes was only 335,593 , since which 479,923 have been added, making the whole population 814,891-a gain of 143 per cent. EVIDENCES OF PROSPERITY
As an evidence of the thrift of the people, it may be stated that 600,000 tuns of freight, including $8,600,000$ bushels of grain and 250,000 barrels of dour, were forwarded over the line last year

EDUCATION
Mechanics and working men will find the free school system en couraged by the State, and endowed with a large revenue for the sup-
port of schools. Their childrencan live in sight of the church and port of schools. Their children can live in sight of the church and
schoolhouse and grow with the prosperity of the leading State in the reat Western Empire

PRICES AND TERMS OF PAYMENT.
The prices of these lands vary from $\$ 6$ to $\$ 25$ per acre, according to location, quality, sc. First-elass farming lands sell for about $\$ 10$ or $\$ 12$ per acre; and the relative expense or subduing praire land as com The terms of sale for the bulk of these lands will be

ONE YEAR'S INTEREST IN ADVANCE,
at six per cent per annum, and six interest notes at six percent, payable respectively in one, two, three, four, five and six years from date of years from dateol sale; the contract stipulating that one-tenth of the tract purchased shall be fenoed and cultivated, each and every year, for five years from the date of sale, so that, at the end of five years, one-hal shall be fenced and under cultivation

TWENTY PER CENT WILL BE DEDUCTED
rom the valuation forcash, except the same should be at six doMars pe cre, when the eash price will be five dollars.
Pamghlets descriptive of the lands, soil, climate, productions, prices, and terms of payment, can be had on application to
J. W FOSTER,

Illinois Central Rairoa Claicago, In.
For the names of the towns, villages and cities situated upon th

## $\mathrm{M}^{\mathrm{A}}$

 ACHINE BELLING, STEAM PACKING, ENGINE



THE GREAT WONDER OF THE AGE.-SEAMLESS HOSIERY. Manutacturers of hosiery are requested to examine foot and toc at one and the same operation. This invention having been
fully completed and in practical operation, the propretors of the pat. ents are now prepared to grant licenses to a limited liumber of manut.
facturers to manulachre under their patents. The licenses will be
issued upon such terms as to insure great econemy of time and muney issued upon such terms as to insure great econemy of time and money,
besides givingan article far superior toany othey in the marke Ad.
dress, for information the Prevident of the McNary Knitting Machine Company, No. 25 William-street, New York. 7tf


$G$ UILD \& GARRISON'S STEAM PUMPS FOR ALL


CLINTON WIRE CLOTH COMPANY--MANUFACTURCrain ors of Power Loom Wire Cloth, for threshing mathine mills, locomotive spark-arresters, and all mills,
uses, of a superior quality. Contracts made with the trade and large uses, of a superior quality. Contracts made with the trade and large
consumers on such terms that they will find it to their interes to take consumers, on such terms that they will find it to their interest to take
their supply from us. Our tradennark- . Power Loom Wre Cloth."
$\begin{array}{ll}\text { C. H. WATERS, Agent and Treasurer, }\end{array}$
$\begin{aligned} & \text { 14* }\end{aligned}$ 2 14* $^{*}$
SOLID EMERY VULCANITE.-WE ARE NOW MANU A facturing wheels of this remarkable substance for cutting, grind monly used, and will d. n a much greater amount of work in the same time, and more efficiently. All interested can see them in operation at
at our warehouse, or circulars describing them will be furnished by
mail. $\begin{array}{ll}\text { mail. } \\ 113 & \text { NEW YORK } \\ \text { BELTING AND PACKINGG CO } \\ \text { Nos. } 37 \text { and } 38 \text { Park-row, New York. }\end{array}$
IL : OIL ! OIL !-FOR RAILROADS, STEAMERS, AND Tor Machinery and Burning.- Pease's Improved . Al: in tinly and
 ough and practical test. Our most skillful engineers an d machinists
pronnunce it superior to and cheaper than any onher, and the only oil
that is in all cases reliable and will not gum. The SciENTFIC AMERICAN, after several tessts, pronound will not gum. The sciention to any other the Amprican have ever
used formachinery." For sale only by the Inventor and Manufacturer N. B.-Reliable orders file No. 61 Main-street, Buflalo, N. Y.

PUMPS: PUMPS ! ! PUMPS ! ! !-CARY'S IMPROVED Lotiry Fore Pump, unrivaled for numping hot or cold liquids.
nutactured and sold by CARY \& BRANERD, Brockport N Y Y AYDEN SANDERS \& CO., NO. 306 PEARL-STREET, N ${ }_{\text {Plat }}^{\text {Strave 24,000 Shingles in a day, for sale by S. C. HILLS, No. } 12}$
$\rceil$ RAVELING AGENTS WANTED-TO SELL A NEW and valuable machine on commission or salary. For instructions
and terms, address, with stamps, J. W. HARRIS $\boldsymbol{A}$ CO., Boston, Mass.
8 10" PECK'S PATENT DROP PRESS.-THE MOST PERfect machiue in use for the manutacture of silver, conper or tin
ware, spoons, jewelry, iorging
10 Míco PECK \& $16^{*}$
$T$ He AMERICAN ENGINFER-A WEEKLY JOURNAL, devoted to the interests of Marıne, Locomotive and Stationary En,


6 tf
C. L. GODDARD, AGENI, NO. 3 BOWLING GREEN New York. Only manufacturer of the Steel Ring and Solid
Packing Burring Machines and Feed Rollsfor Wool Cards, \&cc. 25 26*
IRON PLANERS, ENGINE LATHES, AND OTHER Machinists' Tools, of superior quality, on hand and finishnng, and
for sale low istso Harrison's Grain Bills. ror descriptive circular add
dress New Haven Manufacturing Company, New Haven, Conis. $126^{*}$
W OODWORTH PLANERS-IRON FRAMES TO PLANE 18 to 24 inches wide, at $\$ 90$ to $\$ 110$. For saie by S. C. HILLS,
Platt-street, New York.

PORI'ABLE STEAM ENGINES - COMBINING THE maximum of efficiency, durability and economy with the minimum
of weight and price. They received the latye GOLD MEDAL of the
American Institute at theirlaterair ais the 'Hest lortable Stcam En. sine.' Particulimitadipted to railway purdoses, as repair shop and Descriptive circulars sent on application. Aduress J. C. HOADLEY
Lawrence, Mass.

## $312 \mathfrak{B c a c}$ )tumg fïr ocutict) (Srfinder.

 baz Be:bate: angibt, umt fidifure patente zn fiderat, $\mathfrak{b}$ : aldasibus, und berabiogen folde gratiz an biefelfen.
Erfitber, welde nid)t nit ber englifden Gprade betan
 maden. Sibzen von erfmeuntit nit furzen, belttid) ge

Whf ber Sffiez wirb beutfal gefuroden.
Die Ofatent-(Sejetze der DJereinigfen Stanten






