

The Consumption of Paper is the Measure of a People's Culture."

VOLUME VII.---NO. 4.
Txade Topics.

## Apparatus for the Manufacture of Paper

patent has issued out of the United State Patent Offlce to James Alfred Turne, England, for an improved materian, for coveraring or packing goods, and a pro
for manufacturing the same. The invention relates to the manufacture of a material suitable tor covering or packing arti-
cles, for lining packing case, and other pur.
posea Fabrics for these purpoeses have hitherti poses produrced br buiting purpoesther with whiterter
 or woven fabric, or a thicknnes of paper with a
thickneso of woven fabric,
the und in of of a a single thickene ened in one direction with parallel threade
The object of this invention is to produce a a cheap rate a material or fabrio which is
strengthened in both directions without the use strengthened in both directions without the use
of fabries proviously wove. The ppentees
cause a continuous web of paper to travel in the
 with water-proof or water-repelling material 1 in drying oill resinous or bortituminoor materemiel caoutchooc, gutta-percha, and the like. From a
beam or set of bobbins they supply a number of threades, which are laid or pased over and o bobbins they supply other threads, which, by
menuns of oselliating levers or bars, have a trangs verse moverenent imparted to them whilie the paper
travels onward, by which means the the thed rravels onward, by wich in manis thew in a diagoad on to the paper and longitudinal throads The whole then panese between rollers, which prese
the paper and threads irmoly together, the water-proof or water-repolling material causing
the whole to cobere. Sometimes fine wir
or along with the threads, either the longitudinal or the transverse, or both; and sometimes
also another thickness of paper is pased also another thickness of paper is pased
through the presing rolls, so ms to cover the threadd or wireas
For this proces
 to revolve in a tank or vesel containing the
waterproof or water-repelling adhesive material in a fluid or semi-fluid condition. When the material employed is of a kind that is rendered
fuid by heat the tank is kept hot by a steam jacket, and the roller is made as as ateam roller
 coating of adhesive material from the roller and has this coating scraped and equalized by
the knife. The paper then peases round a suide the knite. The paper then pasese round a guive it is led to drying rollers a n number of longi-
tudinal yarme, derived from a beem or from bobbins, anam with the paper between the prosing collersx Also, a number of other yarns are paseed ciprocate rapialy to and fro acrom the paper,
and thees yarns pases also between the prepen, rollers along with the paper. The platee, recip. rocating transversely while the paper travels onapon the paper in a zigzag form, and by yarna ing the motions of the two plates so ms to make the one set are made to ernuex those of the other set; so that when the two sets are laid on the form of a number of succeasive diamonde Towing manner: On the axis of the ifirt roller toothed wheel is axed. This wheel, by an inter-
mediato wheel and pinion, drives a roller having an undulating cam-path cut in its periphery. In this cam-path is inserted an anti-friction roller, mounted on an arin projecting from a vertical spindie. Another ar
A like arrangement of gearing, with a camthe machine, ts provided to work the other plate, and both plates being fitted to slide horizontally in guides, their reciprocation is effected by the
action of the cam-paths causing the spindles to rock. The cams are so set that the plates are made to reciprocate always in opposite direcThe intermediate gearing, by which the roller is connected to the cams, may be made such gearing, in different proportions, may be provided, like the change wheels of o lathe, so
that the velocity of the cams in relation to that that the velocity of the cams in relation to that
of the roller may bo varied. In this manner

NEW YORK, JANUARY 26, 1878

|  |  |
| :---: | :---: |
| the | K , so as to hold the sheet while being cut. The |
|  |  |
| of these at or near each edge of the paper | move on before it has time to form a loop or be- |
| a selvage, strengthening the edges. A | come disengaged from its proper position. When |
| som |  |
| transerse yarns, and in such a case one of the | set horizontal, and when it is desired to cut |
| longitudinal yarns, if desired. |  |
| Sometimes a webot thin paper is led from a |  |
|  |  |
|  |  |
| ing rollers, so that the thin |  |
|  |  |
| The yarns may be threads of any suitable ma- |  |
|  |  |
|  |  |
| An apparatus for manufacturing m |  |
| An apparatus for manufacturing |  |
| cria |  |
| of yarne, threads or wires |  |
| fro |  |
| rtical spindle, having an arm, upon whi |  |
|  |  |
| ch |  |
|  |  |
|  | hinged at |
|  | 2. The frame D, |
| ule, scraper, g | ing upon the hinge E , in combination with the |
|  |  |
| vement in Paper Catting Mach |  |
| F. Hill, of North Manchester, Co | 3. The combination of the rotary caums L, ope |
| has secured a patent for an improvement in ma- |  |
| utting pa |  |
| chinery for the manufacture of paper, or its object the cutting off of sheet |  |
| om the |  |
|  |  |
| for cutting off paper from a |  |
|  |  |
|  |  |
| trom |  |
| r from following throug |  |

rating to press the cutters together, the cutter-
bars I and K , the holder-bar R with its springs

Manufacture of Soda from its Sulphate
A new process in the manufacture of soda
rom its sulphate has been patented by Frederick from its sulphate has been patented by Frederick
Gutzkow, of San Francisco, Cal. The nature of the invention consists of an improved process of preparing caustic soda, or the
carbonate of soda, from sulphate of soda. There are for this operation no apparatus or implements required but such as are
and generally known in the arts.
A tank or cistern, made of stone, wood, or
metal, and provided with a false bottom, or perforated pipe, or any other appliance by whi gas may be drawn or forced through a liquid,
partially filled with sulphite of lime obtained in partialy niled with sulphite of lime obtained in aso in the course of the process, or from an other source, is forced through the pulp until it
is fully or quite saturated with the sulpher is fally or quite saturated with the sulphuro partly dissolved. Then sulphate of soda, in a
solution or in the dry state, is added, when a presolution or in the dry state, is added, when a pre-
cipitation of sulphate of lime will take place which is removed by filtration or settling, for ing a by-product of the process.
The solution of bisulphite of
is run off into a closed vessel or still, and heated to the boiling point by steam or otherwise, when por, which, after being suitably cooled, is passed
into the tank or cistern, where the sulphite of into the tank or cistern, where the
lime is disolved, as described above.
The solution of the neutral sulphite of soda
thus obtained is run into an irpan thus obtained is run into an iron vessel, and tion of the sulphite of soda in the solution will
require in order to form caustic soda and sul phite of lime. The sulphite of lime is removed by filtration or settling, and re-enters the course
of the process, as described above. may be exposed to the action of carbonic acid, and converted into a solution of the carbonato from which the commercial sal soda or soda ash
or bicarbonate is manufactured in the usual way, or it is at once boiled down for caustic soda
when, in the course of the concentration, the sul phite and sulphate of soda which it may still con-
tain will separate.

## Correspondence

 the weather may be talken as any indication The cold, sharp frosta have again given way to
vet, muggy dirt and slush. It is surprising to oote the dampening effect of such weather. W nd can ever find in this at least a subject for conversation; so excuse my opening 1878 with a
growl at an old enemy. There is not very much report in the way of business this week, nu
n keep up both holidays. The prevailing anxious
topic is the action of Government, and every
trade is awaiting the 17th inst. with great sustopic is the action of Government, and every
trade is awaiting the 1 thinst. with great sus-
pense. Nothing will be done until the eventful is in the hands of the public. Various opinione naturally exist as to the intentions of Govern-
ment, but the majority of people think, and certainly hope, that they are peaceful. As soon an
this vexed question is settled we may, I think, his vexed question is settled we may, I think,
reasonably look forward to a time of real goond posiness. Every trade has been slack during the quarters may be expected. Indeed, after no low reaction may distress in many of our mannwhile there tricts, chiefly owing to strikes. The iron trade
has especially suffered. It is to be hoped that our working classescannot ssee the folly of driving taken in hand and trades unions supprosed o put under proper government. The new year,
while opening ominously, has yet signs of prom
ise, and I trust we may find it god ise, and I trust we may find it a good year for our
trade. Our markets caunot offer any very special poin
interest just now, as the holidays and the un eertain state of affairs preclude any change
taking place. Things are about the same, but as it is always interesting to know at the beginning
of each year how we commence trade, I have There is no mill news this week of any cons. quence. Many mills have been taking advantage
of the holidays to have a thorough clean-up and ee to their machinery and plant being in proper I see the Edinburgh Paper Mills were burned A 85,000 . They employed 80 hands.
A contemporary has the following remarks:
"Paper-makers evidently may look forward ts happy new year. The following may give a clear view of the extent of our paper trade. It is gen-
erally admitted that the process of paper-making was introduced into England about the beginnin
of the fifteenth century, and into Scotland end of the eighteenth century. The process converting rags into pulp was until the last century very laborious, but at that time the Hollan
der or beating machine was invented, which paper. The 385 , of which 65 are in Scotland. There are in these mills 526 machines at work, producing anadded 10,000 tons made by hand. The total pro duction is thus 360,000 tons, valued at twenty
millions sterling. Our exports amount to 16,000 Cons, while we import 4,000 tons.
Makers' Monthly Journal, has published with it anuary number a supplement which is really a alphabetical list of the paper mills, manufact-
urers and their specialities in the United King dom. A number of advertisements also com-
plete a very useful and handy reterence in the
office interesting, and contains much matter calculated to impress its readers. I particularly note the
appeal for, and defense of, the Paper-makers' Club, and I see that at the next meeting "the tension of its usefulnees to the trade" will form a subject of consideration.
The question of fibre supply has often been al note in the British Trade Journal that experi apple plant. This plant grows very luxuriantly have repeatedly advocated here-belongs to to Indies the pine-apple and penguin plant flouriss bete noir. When it once gets a good hold it it

WHOLE NUMBER 195.
 wealth to people who have proecucuted the matter perseveringly, so we shall soon cultivate weed family is good, clean and strong, and would be an excellent material for paper-making. It takan very little chemical treatment and when properly prepared is about the finent fibre I have ever neem
or color and quality. Several specimens or color and quality. Several specimens pre Our Home Markets. - Our flibre market is mo
uiet through the abeence of people that any remarks are unnecoesary. Prices at present aro but nominal. Inquiry increased somewhat to-

wards the end of the week and holders were flrm any contracts for waste papersare on the tapia, Rags. - Best linens, 26ect rather better prices. 1 ditto, 24e; No ditto, 20s. ; No. 3 inferior ditto, 15s to 16a.; the | Hinoes, 16 se to $17 \mathrm{~s} ;$, No. 3 superior ditto, 1 1se to 15 s ; |
| :--- | fines, 25s, Essex ditto, 25s, outshots (country), chvas, 22 s ; seconds, 15 s to 17 s ; inferior, $2 \%$ 12s; ; white rope, 9 s to $10 \mathrm{~s} ;$ jute cuttings, 12 s

Wastepapers.-Best cream shavings, nixed ditto cream and blues, 16s. to 188 ; blues 16 s ; seconds, 1 ss to 16 s , thirds and mixed, 纤
to $6 \mathrm{~s} ;$ strong brown papers, 5 s to fs ; mixed ditto, se; ledger paper, 14s, letter ditto, 10 to ; black news, 58 ; railway tickets, 5s. ; rub In eaparto trade has been very dull during De otony of the quietness of this mariket. There are some very heavy stocks and remnante of
tocks in the hands of consumers through bol trade, and this must have an effect and stay de hand for a time. The quality of the gras ha ing, \&e., and other tiresome hand operations
have to be borne by the consumer in order to get decent sample for tuee. The prices are as fol For Spanish, $£ 8$ to $£ 10$; Algerian, $£ 55$.
to $£ 6$ 10s, ; Susa, 87 10s; Mogador, $£ 5$; Stax Gabes and Tripoli, much the same, 25 to $255_{5}^{5}$
Aiss and palm-leaves, nominal sales at $\& 4$ to In Pulps, the Gottenberg Chemical Company or straw pulp, dry, in sheets, at $£ 23$ to $£ 24$; bleached ditto, $£ 19$ to $£ 21$; dry pine pulp, $£ 10$ to $£ 10$ 10s; dry aspen, $£ 11$; moist 50 per cent. little activity always obeervable at the time pro ceding the closing of the navigation of Scan-
dinavian ports. There is, however, no scarcity th meet the demand.
that there is no change to , Bros \& Co. report Newcastle-on-Tyne or Liverpool market, busiRefined alkali, 50 to 52 per cent., $1 \% \mathrm{~d}$. per per ery, $11 / \mathrm{d}$. per per cent., less 6 per cent. discount ${ }^{2}$ da crystals, gross, 23 ; bleaching powder, 35 English ditto, £10 5s ; Jarrow caustic soda, 7 cent., 1\%d., luss 5 per cent. discount; bleaching powder,
discount-all f. o. b. the Tyne, les the usual In Liverpool, prices are: White caustic soda, to 62 per cent., $£ 115$. cream caustic soda, 60 to per cent.,, 11 ; caustic soda bottoms, $28 ;$ bleach-
ing powder, in hard wood casks, 35 to 36 per
cent, 557 md , 6 , ditto, in soda ash, 48 to 52 per cent., 1\% d. per per cent,
all less $21 /$ per cont. discount, and $i$. o. b. Liv-
W. F., C.

Row, Loysoy, E. C.,.,
Jainary 12, 1888.
The minds of noost people are now upon politicis and discussions over the great problem of peace o be too busy to "talk politics." The eventful say, be over and peat befr truly hankul anxiously. I consider a grave crisis is at hand this year. Our trade question of business fo and our shipping business-one of our strongest
points-was never known to be in such a low ray of sunshine let in upon our expectant gaze, nothing stirring in our trade. Orders are rather nothing sirring in our trade. Orders are rather
scarce, and get worked of much as usual. Prices
are yet low and likely to be for some time. I

THE TAPER TRADE JOURNAI


'I'HE PAPER TRADE JOURNAL

## DIRECTORE

 Cards under this heading will beat rate of sio per annum for ea BLOOMINGTON PAPER AND BAG CO.,
Corner Greenwich \& Chambers sta, N. Y


 \begin{tabular}{l}
Paper and Paper-Makers' Supplies. <br>
\hline ANDERSON, J. F., JR. \& Co., $\quad$ \& Beekman st. <br>
\hline

 BARRETT, THOMAS, 

BEEBE, IRA L. \& 60 Duane est., cor. Elm <br>
\hline BENEDICT \& HIGHET, \& 118 William <br>
\hline

 

BENEDICT \& HIGHET, \& 16 Reade est. <br>
\hline COBB, A. H., <br>
\hline GOODWIN, JAS., \& CO., \& 44 Dane st. <br>
\hline
\end{tabular}

 \begin{tabular}{ll}
\hline HARD, MELVIN \& SON, \& 25 Beekman st. <br>
\hline HEWITT, C. B., \& BRO., \& 48 Beekman st. <br>
\hline HULBERT, H. C., \& CO., \& 13 Beekman st.

 

\hline GULBERT, H. C., \& CO., \& 13 Beekman st. <br>
\hline MASON, JOHN W., \& CO., \& 43 Broadway. <br>
\hline MYERS, B. \& O., \& 16 Beekman st.

 

MYERS, B. \& O., \& 16 Beekman st. <br>
\hline MURPHY, JOHN J., \& 47 John and 5 Dutch sts. <br>
\hline PERKINS \& GOODWIN, \& 84 Duane st.

 

PERKINS \& GOODWIN, <br>

| WATSON, GEORGE, JR., |
| :--- | 63 Duane st. <br>

\hline
\end{tabular}

 \begin{tabular}{l}
BRIGGS \& TAYLOR, $\quad$ Co Duane st. <br>

| GROSS, FR. A. |
| :--- | :--- |$\quad 5$ Beekman st. (Room 19). <br>

\hline
\end{tabular}

 HERRMAN, MORRIS S., Woolen Rags, 157 Duane st

$\begin{aligned} & \text { MAHARIN, M. A. }\end{aligned}$ Spring st SMEARA, M., THOMAS, | SULLIVAN, EUGENE, | 358 Water st |
| :--- | :--- |
| TAYLOR, M. A. | 50 Duane at | | $\begin{array}{l}\text { WARD, OWEN. } \\ \text { BUCHANAN \& CO., }\end{array} \quad 488$ \& 450 West S3th st |
| :--- | ---: |
| 88 Rose st. | | Oils. |  |  |
| :--- | :--- | :---: |
| BINNB \& LEA, |  |  | | Paper-Makers' Chemicals and Colors. |
| :--- |
| GANTZ, JONES \& CO., $\quad 176$ Duanest | RIKER, J. L. \& D. S.

HELLER \& MERZ,

ORRS \& CO., Printing and Hanging Mills st Troy,

ofice 39 Park Row, New York \begin{tabular}{cc}
\hline CABOT, BowLEs \& CO., \& 85 Beaser st. <br>
\hline Straw Boards. <br>
\hline

 

BUTTERFIELD, H. A., SL8 Pearli st, near Broadway. <br>
HAYES, JAMES E. \& CO., <br>
\hline D Duane st
\end{tabular} OUT OF TOWN HOUSES.

Belt Hooks. | Belt Hooks. |  |
| :--- | :---: |
| WILSON, GREENLEAF. |  |
| Lewell, Mass |  |
| Leather Belting. |  | DAVIS JAMEs \& SON, Manufacturers of Leather

Belting and Patent Lace Leather. Pawtucket, R. .
 Paper Bags and Fiour Sacks. RA YMOND BAG CO., Mffg. Raymond Pat. Machine.
made Paper Flour Sacks, Cincinnation,, Dubuque, Ia Paper Makers' Chemicals and Colors.
BLANCHARD, J. HENRY, Chemicals and Wood Pulp,

 | NEVINs, SAMUEL, Paper.Makers', Chemicalß |
| :--- |
| 110 South Front st., Philadelphia, |

Paper-Making Machinery.

ALLEN IRON WORKS, Improved Filter, South Adams, Mase DANIELS MACHINECO.. RagCutters, Woodstock,
GAVIT PAPER MACHE WORKS
EAH To 230 North Broad st., Philadelphin. Pa HOLYOKE MACHINE CO., Holyoke, Mass SMITH, WINCHESTER \& CO., South Windham, Ct
CAPRON, E. P. H., Improved Turbine, Hudson, N. Y Rags, Paper and Paper Stock. BAKEWELL, ALLAN C. \& CO. Printers' Suppliee
And Paper Warehouse. 75 Wood sti, Pittsburk. Pa

 BOYNTON \& PERKINB, Paper and Twine. Mfe. on
Cotton Twines and Cordake.
Providence, R. I
 ELLIOT, A. G., Paper $\varepsilon$ \& Paper Stock, GARVAN. P, successor to E. J. Carroll 1 CO Co, Whole-
Hartior, C:
Eale and Retail Dealer.
 CRAHAM $\&$ BRO., H. B., Paper Warehouse and Stock
Dit. Louis, Mo.
Doelers, GRAVEs \& BROWN, Wholeaale Dealers in Rags,
Corner Church and Arch sts, Albany, N. Y
 HARRISON, JAMES, Dealer in Paper and Rags, 102 second av. Pittsburg, Pa
 MoARDLE \& HART, Cotion and Woolen Rags and
Nembers.
Paper Stock,
 MASSACHUSETTS PAPER COMPANY, Paper And
 siniders, LOUTI' sons, Manufacturers and Whoie WHiTE, ALONZO, Commision Merch't AWholesale


 $\frac{\substack{\text { ROGERS, H. W. . Straw Wrapping Mill at Phillmont, } \\ \text { Columbia Co., N. Y. }}}{\text { Straw Boards and Straw Wrapping. }}$ TUCKER's, E, SONS, Straw Boards, Paper and Pa.
per-Box Mach's, $\quad$ iot Trumbull st., Hartord, Ct:

| Wire-Cloth Manufacturers. |  |
| :--- | :---: |
| STANDARD WIRE WORKS |  |


| FOREICN HOUSES. |
| :---: |
| Wood Pulp and Wood Pulp Boards. |
| THE GOTHENBURG COMMERCIAL Co. (Limited) <br> Market Buildings, ap Mineing Lane, London, Eng. |

IMPORTATIONS OF PAPER STOCK, ncPorts of Paper and Paper Materials, sooks,
aco., at the Port of Now York, for the woek a.., at the Port of Now York, for the week
ended Jan. 18, 1178. Quantity given in pack-
ages when not otherwise specified.
ages when not otherwise specifed.

##  <br> 



EXPORTS of Paper, Books, co., from the Port of Sow Yark to Yoreign Ports, for the week ended
Jan. 22, 1878, with Aggrogates and Values. воокs, casea, to Hamburg, 8 ; to Bremen, 2; Liverpool, 18; to British North American Colonies, 1 ; OC Cuba, 1 ; to Porto Rico
Statea of Colombia, 13 .
PAPER, to Hamburg, 8 es, to Rotterdam, 34 pkgs :
PLLiverpool, 2 ca.; to British West Indies, 305 rme. To British Culana, , Mon do.; to British Honduras, 11

 1,500 do.; Argentine Republic, 17 pkgs.
BTATIONERY, to British Australia


$\qquad$ Wentian Red.
Hobbs, Pope \& Con, siberia, Liverpool, 85 bbls. S. D. Austin, Istrian, Liverpool, 62 cks .
W. F. $\&$ F. C. Sayles, by name, 45 ck . Morey \& C..., by same, 123 cks .
Linder \& Meyer, by same, 45 cks Wing \& Evans, by same, 71 cks
Warren \& Co, Massechets, Warren \& Co., Massachusetts, Liverpool, 221 eks.
Morey \& Co., Bohemian, Liverpool, 14 cks. Hide Cuttings. J. Henry Blanchard, Carroll, Savannab, 48 cks.
NEW ORLEANS IMPORTS Eld rope.
Lee \& sturges, by same, 24 bs. paper waste.
Bulkey, Dunton \& Co, by same, 86 be.
 $\pi /$ be manilla.
Lee $\&$ Sturges, by same, 165 bse paper waste.
Brigzs \& Taylor, by same, 87 be. rags; $i 1$ be nanilla,
W. Llark, Utopia, London, 83 bss. paper stock.
Campbell, Hall \& Co., by same, 44 bs. rags.
 w.
stock.
Le.
W.
W.

$\qquad$

$\qquad$ | J. Fisher, by sar |
| :--- |
| erchantse 'Dispatco | $\qquad$

E. \& H. T. Anthony \& Co., Ge
C. K. Wrilmer, by same, 1 as
G. J. Kraft, Croft, Havre, 3 ce.
G. J. Kraft, Cortet, Havre, 8 ces
G. K. Kraft, MMoel, Bremen, ck
P. Fannelly, by same, 11 ca.
 Hy. Bainbridge \& Co., by samese 18 es, writing.
Kautmann \& Co., Wieland, Hamburg, 1 cs .

L. de Jonge \& Co., Wieland, Hamre, 8 ec
L Marcotte, by same, 1 cas. hangings.

> PHILADELPHIA IMPORTS.
J. B. Lippincott \& Co., Illinois, Shafer \& Korail, Sebastian Bach, Bremen, 1 ea. Brown Bros, \& Co., Illinois, Li
Order, Wyoming, Savannah, 125 bbl.
BALTIMORE IMPORTS.
A. Schumacher $\&$ Co.. Ohio, Bremen, 1 es
A. Schumacher $\&$ Co., Ohio, Southampton,

Order, Sardinian, Liverpool, 122 tes.
C. F. Pitt \& Sons, Neweastle, 323 cks.
$\qquad$ BOSTON IMPORTS.
BOSTON IMPORTS.
IMPORTATIONs of Paper Btock, Chemionls, *o at Port of Boaton, from January 18, 1878,
January 24, 1878, inelusive.
Litule, Brown \& Co., siberia, Lit Mase. State Library, by same, 1
Schoenhof \& Moeller, Massach
Colby \& Rich, Marathon, Liverpool, 1 cs
Boston Atheneum, Siberia, Liverpool, 10 Notman $\&$ Campbell, Istrian,
C. Ried, Billeria Hooper, Lewis \& Co., by same, T. Groom \& Co., by yame, 2 es stationery E. A. Howland, Hecla, Liverpool, 1 ea.
Boaston Manuacturing Company, Ma Liverpool, 3 cs, glazed.
Wade worth Bros, \& H Wenvion \& Co., Bavarian, Liverpool, 5 os.
Dennison \& Co., Bateria, Liven, Dennison \& Co., Batavia, Liverpool, 2 cs.
A. schmidt, Liberia, Liverpool, $1 \propto$ music A. Schmidt, Liberia, Liverpool, 1 ea music.
Paper Stoek.
J. G. Hall \& Co., Vietoria, Liverpool, 140

## oakum. M. A. Rín

 J. T. Lodge \& Cons, by strian, Liverpool, ss bs. rope.s. bs. paper stock.
D. W. S. D. Warren \& Co., by same, 14 be. prag.
Train, Hosford $\&$ Co, by anme, 19. Mick. ${ }_{\text {M }}^{\text {A. }}$. Ring \& Sons, siberia, Liverpool, 113 bs. paper H. L. Chase, by same, 16 bs. rags.
Knowles \& Appleton, by same, 85 Knowles \& Appleton, by anme, 3 s b8,
Morey \& Co., Bohemian, Liverpool, 14

## Train, Host 150 bi, rage. g. D. Warre

## S. D, Warren \& Co, by same, 17 be, nue Warren \& Co, Massachusets, 101 be. pa

Train, Hosford \& Co., by same, 202 bs. rage Tope. Fabbri $\&$ Chauncey, J. Wlldred, Genoa, 110 W. H. W.
E. Hum.
f. E. Hill, Bohemian, Llverpool, 50 drums,

Warren \& Co., Masasachusetas, Liverpool, 359 cks


1r will wash faster than any washer ever pat befone
public. IT requires only one instead of two in an engine for
washin rage, and washes much hatate.
IT reduces expense of wire covering one-half. IT reduces expense of wire covering one hair.
IT dooen not get out or repair, is it has lined bear
ings that are easily taken out and replaced with ings that are easily taken out and replaced wit
new mees ana nominal expense. II cant be adjusted to the amount of water at the
hydrant.
IT lisele-lubricating.
Ir will wash papers as fust as two common wash Ir will wash papers as fust as two common wash-
ara, and with two in an engine they are invalu able. is the best arrangement for washing any kind
IT
of stock ever introduced or
The Washerss in or fuced.
fither

ARE YOUR MILLS Fully Insured In SOUND Companies?

 We ean refor to some of the leading Paper
Mills, for whom we are soLE AGENTs.

We can Save you Money.

## ANDERSON \& STANTON

Insurance Brokers. Geo. P. Rowrell \& Co. FOR THE RECEPTION OF ADVERTISEMENTS FOR

## 8,000 NEWSPAPERS

ARE KEPT REGULARLY ON FILE
OPEN To THE inspection of custowreg EVERY ADVERTISEMENT LA TAEEN at the
HOMEE PRICE of the PAPER, An Advertiner in deenling with the Agener hasamed


TISSUE PAPERS


FRED'K W. SMITH,



## AMERRICAN <br> Turbine WaterWheel, <br> GEARING \& SHAFTING, Rag Engines, Wood or Iron Tubs, RAG-CUTTERS, DUSTERS, Pumps, \&c. <br> THE AMERICAN TURBINE, as reeentiy $\mathrm{im-}$  Water Wheel in the world. Large illuatrated catalo <br> STOUT, MILLS \& TEMPLE, DAYTON. OHIO. <br> THE SIBLEY <br> LACHINE CO.,

Manulaeturers of Modern Improved Paper Maehinery, IAG ExGINES, DUSTERS AND THRASHERS, RAG AND ROPR CUTTERS, ROLL BARS, bed plates and rotary hoilers, hunts turbine water wheels, mill gearing, ghaftive, pulleys akd yill jobbime.



## 28

the flaper trade Journal. The American Paper Trade







 Subeription a pober annuin
sububution
subeription
annum Subecript.
 ot al kindotily ratition

HOWARD LOCKWOOD,


An Tim Parme correspondents



Soms of the paper-makers, if, indeed, not all of them, have been making money. We do not assume that they have been turning although it is possible ; but we note that although it is possible; but we note that
several companies have been paying dividends to the shareholders. When ten per cent. returns are declared, the very obvious
impression is that there is something to take it from. We congratulate those who are able to make such a showing, and beg of them to keep it up.
There is a good sign in the trade. It i remarked that many would-be buyers can not fill their orders to the extent they would like to, and that dealers are using more care in limiting their sales. This shows that the lesson, although painfully learned, is beginning to work with practical effect upon the mercantile mind. A little more of this prudence and we shall find that, even if sales are smaller, credits frequent, and profits will not be lost in compromises.
The first page illustration to-day is of in new paper cutting machine invented by $\mathbf{W}$. P. Hill. This apparatus is specially intended to cut paper angularly and into diamond shaped sheets suitable for working into envelopes. It can, however, be used to cut square sheets of papar, in the same
manner as other paper cutters, but is particularly designed for the first mentioned use. The principle upon which this paper cutter is constructed seems to be well chine is intended, and by its use a minimum waste is likely to be effected in cutting envelopes from a sheet of paper.
The newspapers and periodicals of the world are, outside altogether of their moral influence, of great importance in the industrial world. The total number of periodcals now publised is certainly not under are published in this country. Germany turns out 3,700 publications of various kinds, but the number of periodicals appearing in the German language is estimated at 5,400 . Berlin possesses 375 periodicals, of which 35 are dailies. Leipzig counts up 325, Dresden 85, Munich, Stutt-
 in German. Switzerland, with a small population and territory, counts up 450 period-
icals, of which number 280 are in German, 130 in French, and the remainder in the
Italian and Romance languages. Great Britain has 2,500 papers. London prints
close on 900 newspapers and periodicals. There are no precise figures as to France,
but Paris has 836 publications, amon but Paris has 836 publications, among
which are 51 daily papers. Italy has a larger number of daily papers than any European country, viz., 387 -the total num-
ber of publications being 1,126. Russia has 500 publications ; St. Petersburg prints 305. Turkey had only 75 papers and periodicals Turkish, 13 in Armenian, and 12 in Greek. papers, \&c. While there are yet improvements to be made in the American and
English press, it may be said that the press of all other co
dling clothes.
The annual circular of Dun, Barlow \&
Co. presents, as might be expected, some Co. presents, as might be expected, some
interesting figures as to the commercial situation during the year last ended. The
failures were 220 less in number than for failures were 220 less in number than f
the year preceding, but the liabilities we barely half a million of dollars less. This, trary, we must be grateful for even the
smallest favors. There was a marked imsmallest favors. There was a marked im-
provement in the mercantile status during the first nine months of 1877 , and this prebetter a howing than has turned out. The closing quarter of the year made all the difference, and while the aggregate com-
parative liabilities had decreased by more than four and a quarter millions up to Oct-
ober 1st, the closing three months of the year brought up an array of failures that nearly turned the scale. Of course such a
change when everything was moving hopefully could not but tend todisturb confidence and unsettle the idea that had begun to ing over. The authorities from whom we derive our figures say that the most "significant inference" to be gleaned from their
tables is that "wherever there is the most money in circulation in proportion to those engaged in trade, there the failures are
the most numerous." The deduction from this is that the "chief cause of the numerous failures is that too much money was ling failures in most cases were not of recent origin, but resulted from "departures from legitimate business principles in the time of
inflation." There is no reason to question this view. The fact is patent, if people will only carefully re-
view and compare the circumstances. The logic of the whole of this forces the conviction that much yet remains to be
done to prevent failures. The mora! features of business must be regarded or there what too many people fail to make money, and if those merchants who are disposed to deal honestly will commit themselves to every detor dishonor can lie they will succeed in stamping out some of the noxious creatures who infest trade. Compromises have been too in the future. The country itself is on a good footing. Let care be taken to put trade upon the same plane.

(Correspondente.
[Communications are solicited from everyone who
has anything of value or interest to impart. Items
of news, trade gossip, and personal information will
 Important to the Paper Industry. To the Editor of The Journal:
Inventions and new discoveries, more or less
practical, will never cease so long as the elasticpractical, will never cease so long as the elastic-
ity of that subtle thing which men call mind
holds supremacy; but even mind has its varied terminal points of power and practical applica-
tion. Thus one mind conceives that a practical
and valuable compound for a certain and purpose can be made, but fails to assign it a
place where its utilly will be felt for good. My
own case may be one of this kind. I have a new, simple, cheap and sure process of making paper, 10 water, and for any length of time.
Now for the practical application process. Will it open up new avenues for the
consumption of the products of the paper in-
dustry! Will it introduce into the daily use a new and useful article for the pre-
vention of waste of valuable material? Its
utility is all that is valuable in the discovery. The and
and
tricts
newly
from
while
ually
the shine upon this hall-made hay, let it be well cockover each one, the farmer may snap his fingers my weather reporter and say, "Do your wornt
mo it is is. When thus next six monte in the cock the, And thay re
so tains all the aroma of new-made hay, and way to market if this process is observed. These
paper domest, thus saturated and used, may he folded and laid aside for future yearx. In th
fish market, at oyster stands, and in the grocer store this prepared paper will find universal use.
Other minds, more elastic and far-seeing will mark out and plan the use of this paper in wider
fields, and thus will be opened up new avenue for the consumption of paper. The articles are
all made before going through the simple and cheap process. The paper thus prepared is more
flexible and much improved thereby in strength. The "patent," as usual, is amply soFrom the close imitation this new process has off injury from or resistance to water ns familarly exempliffed in the covering of some of th
eathered organizations, I have thought it not in appropriate to give it the anomalous name o
"Gooseback paper"-that is, a paper equally po cential to resist any injurious effect of that elo Should you, Mr. Editor, not regard this as
dever device to "sponge" clever device to "sponge" an advertiserment, and
not throw it into the wasto-paper basket, you may insert it in your columns for the benefit o
musement of your readers. What next vertisement and sales. J. M. ScribyEr. Middleburgh, January 12, 1878 .

Failures.
J. Latham, publisher, Boston, Mass, h
Cailed. Leon Schaap, news dealer, Richmond, V
has failed. H. C. Bagley,
reported failed. L. W. Hall \& L. W. Hall \& Son, publishers of the Dem Leviston $\&$ McMeans, fancy stationers an
dealers in notions, Richmond, Ind., have failed. E. A. Larned, dealer in fancy goods, station-
ory, \&c., Geneva, N. Y., has made an assignment. Frank Sands \& Co., printers, Lewiston, Me are repor
C. L. D. Crockwell \& Son, stationers and book
iealers, Council Bluffs, Iowa, aro asking an tension.
F. M.
M. Taylor, book dealer, \&cc., Maquoketa, lowa, is offering to compromise, and has sold
ut his business. The committee appointed by the creditors of to consider the proposition of that firm to pay forty cents on the dollar, met Wednesday and agresd to reject the proposition. They will re port the result of their deliberations to the re
maining creditors, who will take further action in the matter.
John G. Hodge, of the firm of J. G. Hodge \&
Co., San Francisco, Cal, arrived in this city on Tuesday, and submitted to the committee appointed by the Stationers' Board of Traede the
proposition which he had spoken of, offering some time ago to pay fifty cents on a dollar in six, nine and twelve months' notes, At a meet--
ing of the committee yesterdsy it was concluded not to recommend the acceptance of the propodecided upon.
The committee, composed of Geo. L. Pease, Horn, appointed by the Stationers' Board of
Trade to inquire into and report upon the Trade to inquire into and report upon the affair
of the Gray-Baker Book and Stationery of the Gray-Baker Book and Stationery Com-
pany, St. Louis, Mo., have reported to the cred-

 ments of fifteen per cent. on the first days of
October, of November and of January 1879 re-
spectively; ten per cent. on March 1, 1879 and and
five per cent. on the first days of May five per cent. on the first days of May, of July and
of September 1879. Thus seventy-five per cent.
will have to be paid during the present year and will have to be paid during the present year and
the remaining twenty-five per cent. during the
year 1879 The year 1879. The conditions of this extension are
that unpaid subscriptions to the capital stock
shall be paid in, the expenses of conducting the shall be paid in, the expenses of conducting the
business shall be reduced to ten per cent. of ac-
tual sales by reductions in salaries and rent; that If payments are not made promptly all the notes
shall be considered due, and the concern may be closed under an assignennent for the benefto of the
creditors; that the stock shall be reduced to *30,000 before September 1,11788 ; that the chattel
nortgage now on the concern shall be immenortgage now on the concern shall be imme-
diately canceled, and no new nortgage be given;
that 83,500 now due Judga Newcombe be within four months; that a committee be ap-
pointed to see that affairs are conducted in the manner prescribed; and that all statements re-
lating thereto shall be made under oath to the lating thereto shall be made under oath to the
Stationers' Board of Trade. The firm's affairs are declared to have been found much mixed,
and conducted in a loose and unbusiness-like
manner; that their expenses were extraodinary; that several thousends of dollars of sub-
scribed stock remains unpaid; and that until reeently there has existed a c constant conffict be-
tween the officers and managers of the company.
$\qquad$ W. De
H. A.


$\qquad$

mon and Courts sts,......... Geo. Hudson........ 800
John S. Murphy silt Smith st.Thos. Taylor..... 150
Charles Bunce, Court st


$$
\begin{aligned}
& \text { EASTERN STATEs. } \\
& \text { E. K. Dunbar, Boston, Mass......... }
\end{aligned}
$$

George H. E. Elis, Boston, Mass. Mass
W. B. Gorham, Boaton,

C. R. Bryam, Boston, Mass, ...
Daniel Noonan. Boston, Mass.


Edward Keogh, Elgin, III............ Charles L. Berner. Chicago, III, b.
 Shn Regan, Pekin, II.....
M. Hummel, St. Paul, Minn.........

Changes, Removals, and New Firms.
George Wooley, stationer, Waltham, Mass, M. S. Hunt,
old out to A. J. Hoyt.
G. W. Lowery, stationer, \&c., Geneva, Neb
P. D. Wolfenberger, stationer and
Princeton, Ill, is closing up his busin Alfred Hindle, news dealer, Wilmington, De
has been succeeded by Mrr. Annie E Green. has been succeeded by Mrs, Annie E. Green. George J. Titus \& Co., printers, Chicago., II.,
have dissolved partnership; George J. Titus con tinues. $\mathbf{W}$.
A. W. Lang \& Co., printers, Hartfond, Conn.,
have dissolved partnership. Finlay Brothers Edward J. Pennypacker, publisher of the Pendleton News, Franklin, W. Va., has removed to Monterey, V
J. M. Hopsen, printer, and publishar of the
Valley Index, Waterbury, Conn., has sold out to Isaac A. Mattoon.
L. Waldenberg \& Co., fancy stationers and pertnersnip; M. Evans succeeds.
John C. Yorston \& Co., publishers' agenta The firm name remains unchanged.
Chamberlin, Whitmore \& Co., 41, 43 and 45
toekman street, have secured additional room,
to occupied February 1, for the better arrangement of the new and improved machinery which they are putting in.
Dunning \& Sawyer, books, stationery, drugs,
\&c., Allegan, Mich, have dissolved partnership, \&c., Allegan, Mich., have dissolved partnership,
Mr. Sawyer retiring. H. M. Dunning, who has been in the same line of business, bas united his stock with that of the remaining member of the late firm, and the
Dunning Brother
It is expected that the St. Gothard tunnel will be omppleted in the spring of 1880 . Its succeemal accomplishment is now believed to be simply a matter of expense, as the chief engineering
difficulties have been overcome.

Danton, O., January 17, 1878.
Union Bag and Paper Co., Chicago, IU.: Gextlemen - In your last issue, we notice our
name among those charged with bad faith We object to this for a number of reasons,
among them the following: We were not mem bers of said association, and under no promise
or agreement to observe its prices in the sale of by the association was 82.50 per ton less than markoods were bringing readily in the same
me werke frequently annoyed here in the West by quotations to our customers
"Association prices." The statement that $\mathbf{M}$. old fifteen tons of our board at $\$ 489-10$ is sim-
ply false. He never hat ply false. He never had that quantity on hand
at one time. And those who know Mr, Jaeger re not disposed to believe he would sell boards at less than cost. Besides, he has recently given
in The Paper Trade Journal his personal doAt the time of its organization, and repeatedly
during its short life, we were solicited to during its short life, we were solicited to cast
our lot with the association, and by its President threatened with annihilation if we did not come into the fold," but our reply was uniwait until its members gave evidence they wera living up to its requirements, and we stated in a etter to Mr. Faurot that when satisfied on this
oint we should change wur prices in the East ocorrespond with those of the association, and
not before.
As to whether our course in the matter is
justiflable or not from the facts in the case, we justinable or not from the facts in the case, we
simply refer your readers o the President's own
confessions. Very respectully C. L. HawEs.

The following is a list of new newspapers, fur-
nished from the advance sheets of the $A$ American Newspaper Reporter and Printers'
NEW NEWSPAPERS.
$\qquad$
$\qquad$
 Raltimore (Md.) Saturday Night..
Lonaconing (Md.) Valley Times...
Wakefleld (Mass.) Reporter Birmingham (Mifch.) Post......
Grand Rapids (Mich.) Enguirer
 Tuscalooes (Ala.) Southern Lave
$\qquad$
$\qquad$
$\qquad$ The Golden Dawn, Sar
into the Masion Mifror.
The Heimial, Chicago, = 룰
 Bentley, Book Buyer, Philadelphia, Pa, hat
changed to Rooineon's Epitome of Literature.
The City, Journal, Scranton, Pa, the Journal.
The Vermont Gazette, Beanington, Vt., has changed
to a semi-weekly publication. The Horry Neces, Conwayboro, s. C., has consoll-
dated ivih the Georgetow Comet under the titlo of Improvement in Rag-Washing Machines for Paper-Making.
Frank A. Cloudman, of Cumberland Mills,
Maine, has patented a new rag-washing machine, which in designed as an improvement in the in engines used in paper manufacturing. It consists of a number of spiral buckets that extend
from the circumference toward and alightly past the central outlet, terminating at their
inner edges in angular flanges. The buckets also inclined toward the longitudinal axis, from the rear toward the front, and made of a conbuckets He employs a cy linder washer as used in the The periphery of the cylinder is covered with wire-cloth, in the usual manner, to admit the water but exclude the raga.
The cylinder is
The cylinder is arranged at the inside with a
number of curved bucketa, that number of curved buckets, that extend in a ly past the central outlet.
This cylinder
secured to ite rwar end or head, and, by radial utiet of the front head. The inner edges of
flanges, placed at right angles thereto, wo that the water cannot flow from one bucket into the
one next following until the latter has left the one next following until the latter has left the
water-line of the tub, or, in other words, has ceased to dip water for that revolution of the cylinder at as angle of inclination to the longitudinal axis of the cy linder from the rear head
toward the outlet. This inclination of the buck-

THE PAPER TRADE JOURNAL
ets allows the watar $r$ to pase off freely as soxn as
it has renched the level of the bottom of the out-
let, and allowing none to be lifted higher than
the centre
Th the elevation of each buckettul of water to the shaft and counterbalancess a portion of the
weight due to than to the oustide. It is claimed by this means the volume of water is not only
litted toa leseer height, by reason of the peculiar form of the buckets, and their inclination
toward the outlet, but that it is also lifted more directly, or by a ahorter line, than by any other
washing device now in use, so so to require, con sequentiy, less power.
continuous piece of wood, which is sawed in the same manner as the wood for carriage and sleigh bodies, from the periphery of the log.
Such wooten buckets are said to be superior to metallic buckety, as the action of chemical
thereon is not injurious to the bucket and to th pulp. The use of such singlepiece
buckets is climimed to add greatly to the forms an essential feature of this impro, in cylinder washers.
The claims under
cured his patent are: having spiral interior buckets extending from
the circumference to the central outlet. the circumference to the contral outlet.
2. A cylinder washer for rag-washing engines having spiral interior buckets extending from
the circumference toward and slightly past the central outlet,
being flanged.
having spiral interior orag-washing engines the eircumference toward and sextightly past the
central outlet, and being secured at an angle of inclination from the rear to the front head. a spiral interior bucket made of a continuou General Notes. Don't judge a man by his family conn
for Cain belonged to a very good family. ing of paper manufacturers was held at at the settling the question of freights and the handling
of stocks so as to establish an equality of prices between different manufacturers, A number of
firms were represented, and it is said an underformity of freight to the consumers. This meeting was an adjourned seasion from that held at
the Palmer House, Chicago, on November 9 . The meeting adjourned to reassemble in Buffalo A robbery of bonds lately took place from a
Paris printing office, while they were in cours of printing. The thieves, one of whom wausem-
ployed in the establishment, attempted to sell them in Paris and in London. The bonds, at the lacked the numbers and stamp, which hact wa
unknown to the culprits, and finally led to their arrest. Apropos of this, it may be mentioned
that a new plan of numbering has been recently that a n now plan of numbering has been recently
submitted to the directors of the Bank of France. is effected simultaneously, front and back, and at the same time, a stamp forces the figures in
relief on the paper. A double set of dies, one in relief and the other sunken, secures this result,
The moving of the figures of the die, or stamp, effected by a key, in front of which an indicato
shows the figures collected, before the numbering operation takes place.

## Fireign Notes. <br> The trade of Holland, as represented by the numbers of papers and printing matter passin numbers of papers and printing matter passing through the post, according to the "Nederland- schen Almanack," for 1878 , just published, was in $1876,33,000,000$, which is an incresse of 10 per <br> The new Chamber of Deputies counts among its members three paper manufacturers. The its members three paper manufacturers. The single printer who offered himself for election failed to get a seat, though scoring a respectable number of votes, On the other hand, as a sor of compensation, journalism is very strongly represented. The " Annu Librarie, will be Cercle de l'Imprimerie et de th month of Aprib. The Cercle has come to the de cision to add, at the end of the volume, an alpha betical list of the publishers, printers, paper manufacturers and paper merchants, in the manufacturers and paper merchante, in the various departments, with their addresses. $\mathbf{M}$ Blanchot, the director of the Cercle de l'Imprimerie et de la Librairie, will again edit the new edition of this useful Annuaire. <br> 1870 to 1876 , the Statistichen Monatschrijt bring in Austria 678 periodicals, which number in- in creased in the following years to 757, 835, 866, 810, and in 1877 reached as many as 876 . Among these were included 283 political, 843 politicotechnical, 10 military and marine, 20 medical and natural philosophy, 11 law and jurispruand juvenile books, 67 historico-literary journals 38 theatrical, art, $8 c ., 63$ belles lettres and humorous, 76 non-political gazettes, 40 com mercial and advertising. Regarding the editions of periodical papers, the number of copies in 1870 vere $78,40,290$; in $1871,78,206,923$; in $1874,88,500,025 ;$; in in $1875,88,88,114,384$, witl regard to the book-trade, the languages of the works published are an follows: In 1870, 1,271 German, 11 Italian, 652 Czech-Sliavish and 213 Polish works; in 1876, the figures were- 1,902 Poikh works; in 1876 , the figures were- 1,902 German, 19 Italin, 309 Crech-Slavish, 823 Polish works, 142 art, and 800 musical periodicale.

\section*{| SPECIAL NOTICES. |
| :---: |
| $\begin{array}{c}\text { [Invertions under this heading will be charge } \\ \text { so cents a line. Payment invariably in advance.] }\end{array}$ |}

TO PAPER MANUFACTURERS.
Having recently accepted the agency of a noe pro-
sea for the manufacture of Wood Pulp (Mechan. ically), 1 um prepared to negotiate for the lasuing of
licenses to all wishing to enter into the busines.

PATENTS.
I am prepared to make arrangements with inven-
tors or owners of patents relating to Paper-Making
Machinery, or Proceses for negotiating the sale or Rachinery, or Processes for negotiating the sale or
licensing of the same. Having gpecial fachlities for directly communicating with Paper Manufacturers and
Capitaliste, I nam in a position to hande such businese
succesof

EDWARD CONLEY

## 3tarket Tixuicur.

 THE MONEY MARKET.-The money mar the week with 3 to 4 per cent. as the ruling rates for call loans. In the early dealings a few trans
actions took place at 6 per cent. In discounts. prime mercantile paper continues to be quoted at
5 per cent. to 7 per cent. Government Bonds were generally steady, the only change being an advance of $1 / 3$ to $1 / 2$ per
cent. in 6 s of $1881,10-40^{\circ} \mathrm{s}$, and new 51 s and a de ine of 1 per cent. in new 4 s
The gold speculation was weak week and values were drooping. The price de clined to 1011/, the lowest figure touched since ${ }^{5}$ pril 8,1862 . The rates on gold loans were 4 to

ght, and the market is dull. The following
 ransters, $84.841 /$ to $84.841 / 2 ;$
ling, prommercial ster
mercial sterling,
st.791/2
to $84.80 ;$ com-
 days, $5.23 \% /$ to $5.211 /$; do. sight, $5.183 /$ to $5.171 /$ / Swiss, bankers', 60 days, $5.211 / 1 /$ to 5.20 ; do. sigh
$5.181 /$ to $5.16 / 8 ;$ Reichsmarks ( 4 ), bankers', 60 days, $941 /$ to $94 \% ;$ do., sight, $951 /$ to $955 /$
Gailders', bankers, 60 days, $391 / 2$ to 40 ; do.,
sight, 401 to THE PAPER
THE PAPER TRADE.-The market for Fine
Writings shows very little improvement, and transactions are few and prices are not what
might be desired. Fine Loft Dried and Engine sized continue to show signs of weakness, but a
firmer tone is manifested in Superflne Loft Dried firmer tone is manifested in Superflne Loft Dried
Flats. Book Papers are in tolerably fair request and the movement is moderate and regular
Prices do not indicate any perceptible falling off but the market lacks the firm tone of a season of
genuine activity. Ordinary Calendered Book shows rather more promising signs than Super-
Sized and Calendered, which are in somewhat less request than a week ago, although some pur
chases have been made of comparatively large quantities at previously quoted figures. Superfirv
All-rag Book is scarce and prices are firm altho the call is limited, the tendency being to e ek reputation of making choice selections. Ordi
nary Wrapping Manillas are in limited request and values are modifled frequently to meet the
views of desirable purchasers. Pure Manillas ith no wood in their composition are in very
light stock and little sought for. They com mand good prices. Straw Boards. are selling n a
somewhat lower prices. Sales have oocerred of Air Dried State at \&48 per ton and of Pennsyl vania at s53 per ton. Binders' Boards are un
changed and prices are firm in connection with a moderately steady demand. Straw Wrapping have been a trifle firmer during the past weel and there has been more inquiry. Prices, how-
ever, range low, and the market is hardly in a quotable state. News Papers are weak and the
market lacks tone. It is reported on goo authority that the Sun, which usually buy
thirty days' supply, and has been paying 71٪e.
 are hardly as frm or as high as a fortnight ago JUTE BUTTS.-The market for Jute Butts strong at 2 veryc. cash demand from the paper
spat with a very sales during the past week of 400 to 500
trad trade. Sales during the past week of 400 to 500
bales at quotations; 2\%, cash have been erersed for very firm for new berrivals, and $2 \%$ c. to
2 13-16c. gold are asked. The only arrival ha been the Cartsburn with 2,150 bales, of which al but 1,500 are sold to consumers. The Calcutto will turn out a manall one. The consumption will foreign rags and paper stockThe market is steady and prices are firmer, bu
still little businees is transacted; few new conracts have been made, owing to the divergenco chasers, and trade it stagnant. Stocks are very Linen Rags move slowly at former figurea Waste Papers are nominally unchanged, but
there are few transactions to establish actual
values. The importations of Baggings are very




## 



Paper Mill for Sale PERTH AMBOY, N.J.


Straw Boaris and Lining Papers.

$203 \& 205$ Oentre Street, corner Howard, N. Y.
GLENS FALLS
MarbleLime
The best bleaching Lime known for PAPER-MAKERS' USE.
0sborn \& Robinson,
87 Dey Street, N. Y.
JRRIS PAPMPI PUMICE For the Setting of Steam Boilers, Will save twenty-five per cent. in fuel, or make an Wull burn screenings with small mixture of soft coal lan, saw dust, green woo
mixed with screenings.

$$
\text { A. F. } \overline{\mathbf{U P P} T O N}
$$

mit markri s.ana same



Business on the whole was but quiet during the
Wreki. Buyers aro still withholding to make con-
Tratie for forward delivery until they see what turn
neste for forw
Rasa-Ane unchanged, though very little dotng.

FOREIGN MARKETS London Market Report.
o. a39 CONGRESS STBEET, BOSTON, MASS.


ROB'T WETHERILL \& Co., Chester, Pa
 GORISNS FNGINE Builders

MACHINERY Boiler Makers. ShAFTING AND GEARING.

LOBDELL CAR WHEWL COMPANY, WILMINGTON, DEL.


For Paper Machinos, Rrbber, Brass, Copppor, Bolling Kalla, \&o.

 LCBDELL, Pres. w. w. LoboELL, See.

## n.s. Bu_sury. J. G. DITMMAN \& CO.

 WHOLESALE PAPER AND RAG WAREHOUSE.

## KNIVES FOR PAPER MILLS

Paper Cutting Machinery PAPER MILL FLY BARS AND BED PLATES,
rag cutter and trimming kinves.
ND DIFFICULT KNIVES A SPECIALTI All Work Fully Warranted in Every Respect

IMPROVHD ANGLE BED PLATEG,

## TAYLOR \& CORSER,

 Riegelsville, Warren Co., N. J.
## F. S. TAYLOR,

 TAYLOR, STILES \& Co., Musconetcong, N.J. A. HANKEY or Late man
## 4in illy

BELT HOOKS
Tho Bot Motolut. Bolt Hook
LEATHER OR RUBBER BELTS


## WALTHR D, TALCOTH,

ucosesor to GREENLEAF WILSON, Box 630, Providence, R. I.

THE PAPER TRADE JOURNAL.
"STAMOARD" PIPE COVERNIG LIGHT, RFFECTIVE, DURABLE. Not affected by Heat, Water, Acid or Al kali. Especially, adapted for une
in Paper Mills, \&c. A perfect Paper Mills, \&c. A per
Non-Conductor of Heat. Correspondence eollicited, and information Domestic Refrigerator \& Pipe Covering Co., 430 Walnut St., phila.


## PIQUA

 FELTSPaper Makers' FOURDRINIER FELTS. Coarse and Fine
CYLINDER WET FELTS.
Press Felts and Jacketing.
F. GRAY \& CO.

Successors to F. GRAY, 0'rerrali \& co, PIQUA, OHIO.
We warrant every $\overline{\text { Felt to work woll, and }}$ it dioss not It can be retarned.

## satisfaction guaranteed.

ans In ordering Feltaz give
[From The Paper Trade Journal of March 4, 186.] To the Editor of The Journal:







J. Murriul puin id Wilmington, Delaware,

## manuracture

Chilled Rolls GROUND BY their patent process. EMPIRE FELTS.
Cylinder and Fourdrinier WET FELTS, PRESS FELTS,
Ј A CIK HNTS I. Walifitifiv \& Go.

RENSSELLAERVILLE Albany County, N. $\mathbf{x}$.
 ORDERS PROMPTLY FILLED. our prices are in currency. Wul send Prios Lua upon Applleation. Aot mate ment eut by wa marrasted to mork mell; il

Rice, Barton \& Fales Machine and Iron So. WORCESTER, MASS.

## PAPER MACHINERY

 IRON AND BRASS CASTINGS.Chilled Iron \& Paper Calender Rolls, Rag Engines,
Ras Cutters, Steam Pressure Regulators, fo. hydraulio presses, from 5 TO 14 INOH PISTON.
 ESTABLISHED 1835.
GAVTTI
Paper Machine Works. 224,226228 \& 230 N. BROAD ST., PHILADELPHIA.

FIRST-CLASS PAPER MACHINERY of every description.
The attention of the public generally, and $p$
following gevecialties, and their patronage solicited:
Fourdirierer Madinines, Cyjider Macinines,
Patent Cone Pulley Cutters, Heavy Rope and Rag Cutter with from one to three Knives.

Also on hand, ready to ship
botary boilers of all levaths and diameters, pulp dresser plates of al sIzes of ordinary brass, and patent oun metal pulp plates, heavy ard durable. Making cylimders of all sizes. dandy rolls, woven and latd. brass wire cloth of the usual NUMBERS, LENGTHS AND WIDTHS.
EXCLUBIVE AoEnt foin the anle and mantracturz of the
Patent Hard Rubber Suction Box Covers and Doctor Plates,
PATENT RUBBER COVERED COUCH \& PRESS ROLLS
dLLY WARRANTED IN EVERY RESPECT
Roll Bars and Bed Plates, both of Laid and Cast Steel.
RAG ENGINES, OF BOTH CAST IRON AND WOOD. uper,
CHILLED CALENDER ROLLS

 Gavit's Patent Noiseless One-Armed Pulp Dresser. This recent invention is ane long sought for by the paper manufacturer, furnishing not onty the MOST
PERFECT SCREEN, but ridding it entirely of noise. All using them recommend them highly. MACHINES FOR TESTING ALL KINDS OF PAPER. GORTON GAVIT,
A. FURMAN BLAIR,

Oldest Established Fourdrinier Wire Manufactory in America.

## DE WITT WIRE CLOTH COMPANY,

FACTORY, BELLEVILLE, NEW JERSEY.
WAREHOUSES 90 JOHN STREET, NEW YORK. WAREHOUSES, ...... $\begin{aligned} & 703 \text { MARKET STREET, PHILADELPH } \\ & 6 \text { CALIFORNIA ST., SAN FRANCISCO. }\end{aligned}$ Fourdrinier Wire Cloth, extra heavy and durable. Cylinder Covers, cut from Rag Dusters and all other Wire Cloths for Paper Mill use. Dandy Rolls, Plain and Fancy Designs. SENDFOREAMPXEEANDPRICEB.
Standard Wire Works. EASTWOOD, BUCHANAN \& SMITH, Manufacturers of Fourdrinier Wires with Patent Safety Edge. wire cloth of every description.
Cylinder and Dandy Rolls made and repaired, Lettering and Designing on Dandies done
neatly and promptly, Cylinder Backs, Faces and Washer Wires made from
 The undersigged hereby notify all Fourdrinier Wire Manưacturers and Paper Manufacturers that they
patented on october 2, $18 \%$ a Pateat Safety Enge for Fourdrinier Wires, and any party or parties manufac puring or having in ind wire, with such Patent Safety Edge, unless manufactured by us, or by our license
will be held responible for damages sustained.
EASTWOOD, BUCHANAN \& SMITH.

## MEGARGEE BROS.,

Paper Manufacturers,
20 South Sixth St., and 11 Decatur St., Philadelphia, Have constantly on hand a full assortment of the following Papers of regular slees and weights
SIZED AND SUPER-CALENDERED PLATE, BOOK, WRITING, MAP, ENVELOPE, COLORED, QRANITE, TINTED, NEWS, MANILLA AND WRAPPING
Samples of which will be furniehted on application and orders filled with

HOLYOKE MACHINE CO..
Holyoke, Mass.. $I_{\text {mproved }}$ Paprer $M_{A c h i n t r i z y}$


Patent Web Super-Calender.
HIGHEST AWARD AT CENTENNIAL EXHIBITION.

The paper rolls are male of the beet paper, made exprealy for the purpoee
Chilled Iron and Paper Calender Rolls, Web and Sheet Calenders, Frietion alenders, Machine Calenders, Platers, Rag Engines, Could's Patent tors, Rag-Dusters, Thrashers, Trimming Presses, Hammond's Patent Stop-Cutter, Ruling Machines, with Layboys, Littlefield Power Pumps, Vertical Power Pumps, Bed-Plates \& Roll Bars \&c. ALSO, MANUFACTURERS OF THE
Boyden, Risdon, and American Turbine Water Wheels.
Improved Apparatus for Driving Fire-Pumps, Friction Pulleys and Couplings, Shafting, Gearing, and Mill Work ot Every Description, Bleach Boilers, Keirs, \&c. illustrated cataloque sent free on application,


The undersigned, bulders of PAPER MACHINERY, offer their services to Manufacturere of Paper, solliofing orders for all MACHINERT REQUIRED IN PAPER MILLLS. Having unsurpassed faellities for produeing Machinery in shore time, and weth patterna specilly STTER the hrads have been riveled in, thus incuring parallelisn of of uchich are turned important matter. LUTELY PERFECT, both as to havdmess and exeellence of Mintsh. Address

PUSEY, JONESACOO,

AMOS H. HALL'S CEDAR VAT \& TANK FACTORY,


Manufaoturer of all linds of Vats and
Tankss used by Paper Manufaoturers.

Wood Pulp,
WET or DRY.
Dellivered in any part of the country, in quas-
IRA L. BEBBE, 60 Duane Cor. Elm St., N. Y.

## OWIN kruars sill

## of all kinds of

Rags and Paper Stook 395 PEARL STREET

BRADNER SMITH \& CO.
WOOD PULP, STRAW PULP, For Book, Print \& Manilla Papers
WHOLESALE PAPER DELIERS. 130 \& 112 Madison Street chicago.

## W. HP PREOSSE

## 74 duane street, new york,

 COMMISSON PAPER MERCHHATSImporters PIPER MHKRRS's sIPPLIES.

French and English Linen and Cotton Rags, and Papers of all grades, on hand and to arrive.
LEGHORN RAGS,
ven man


FB
YOR SALE, ON HAND, AND TO ARpive J. FABBRICOTTI, No. 34 Beaver street, New York.

LEE \& STURGES,
COMMISSION MERCHANTS, 15 broadway.
P. O. Box 2,m NETM NORE, POREIGN RAGS AND PAPERS. sole agents for the celebrated
$* * *$
BRaNDS
P of Messrs. John Pfeffer \& Co., France and Belgtum.
Liverpool Marine Store Co, PAPER 8TOCK MERCHANT8

62 BOUTH CAETLE ST. Hore: 20 Townenen St., 10 and 12 Hiopwood St., | agaver in Lospos. |
| :--- |



Manilla and White Hemp Bope, Gunny Bagging, Jute Stock, \&c. JOHM W. MASON \& CO., Agents,
WING \& EVANS, Soda Ash, Caustic Soda, Sal Soda, Bi-Carb. Soda, and Bleaching Powder, 92 william street, n. y. Agonte for Nowceastle Chemical Works Co.

## JOSEPH LIBMANN,

LIBMANN \& KORNBLUM,
No. 3 Howard street,
TAPER AND PAPER-MAKERS STOCK,

[^0]> Paper Makers' Supplies.
> Stubbins I'ale Mills Feltings. Pearl Hardening, - Berrुer Ultramarine.

> Manilla Sizing,
> E.vtr" Heavy Canvas Dryers.

## JESSUP \& MOORE,

 27 North 6th Street, Philadelphia. DOMESTIC \& FOREIGN RAGS. OFFER TO PAPER MANUFACTURERS Country White or Mixed Rags at a Small Advance on Cost.JAMES COODWIN \& CO.,
Wholesale Commission Paper Dealers PAPER MANUFACTURERS' MATERIALS OF EVERY DESCRIPTION. No. 44 Duane Street, New York. ESTABLISHED 1826.

## LFWY BROTHERS,

German and Russian Linen Rag Packers. BERLIN and KOENIGSBERG, Germany New York Office: No. 12 BROADWAY. ESTABLISHED 1853.

## J. W. LYON \& CO.,

 RAG WAR円HOUSE, NO. 35 PARK STREET, NEW YORK,foreign and domestic paper stock and woolen rags of all DESCRIPTIONS.
OOLEN RAGS and PAPER STOCK in large or small lota

## PERKINS \& GOODWIN, COMMISSION PAPER WAREHOUSE.

Paper Manufacturers' Supplies. ,
SHULER \& EENNINGHOFEN, OF HAMILTON, OHIO, THE WELL-ENOWN MANUFACTURERS OF

Extra Heavy Canvas Dryers. 84 DUANE STREET. NEW YORK.

## Butterworth \& Smalley

32 Beekman st., New York ; 12 India st., Boston, Mass., PAPFR STOOK AND SIIING MERCBANTS. MATERIAL FOR PAPER MAKERS, Jute, Hemp and Flax Waste, Papers, Rags, Hemp and Gunny French Linens, Cottons, \&c., always on hand. Jute Butts, \&ce.

HEAD ESTABLISHMENT:
EDWIN BUTTERWORTH \& CO.,
59 Ward"s Bulldings, Deansgate, Manchester, IEngland.
Warren, Barnes \& Co., 69 DUANE STREET,
COMMISSION PAPER WAREHOUSE,
PAPER-MAKERS' SUPPLIES,
Superior Inglish Felts and Jackets, and the Heaviest Canvas Dryers. Several years' practical experience in Paper-making warrants us in saying that we can fill
Manufacturers' orders in the most satisfactory namner.

## BEEBE \& O'CONNELL,

Commission Paper Warehouse, DEALERS IN ALL KINDS OF
PAPTR MAERMES MATMRTATES,
Cotton Waste, Jute, Hemp and Flax Waste, Papers, Rags,
Hemp and Gunny Bagging, Jute Butts, \&c.
DOMESTIC STOCK A SPECIAI इY. 78 DUANE STREET. N. Y.

BULKLEY, DUNTON \& CO.,
NO. 74 JOHN ST., NEW YORK.

## EXCELSIOR " FELTS.

PIECE FELTING AND JACKETINt. for economy, durability and good results they are unequaled. LoNG established and well known. a trial is solicited from manufacturers not already using them.
EXTRA HEAVY CANVAS DRYERS.
send for price list.
CABBLE EXCELSIOR WIRE MFG CO, Established 1848 INCOR
manufacture Brass, Copper \& Iron Wire, VURIIRINIER \& OVIINDER WIRES, Making Cylinders \& Dandy Rolls,
AND WIRE CLOTH OF EVERY DESCRIPTION. NNER AND OUTER FACES OF ALL NUMBERS ALWAYS ON HAND. Sedal awarded Wm. Cabble from the Great Exhibition in New York, 1853, for the
finest sin! best specimens of Composition, Brass and Copper Wire, for the manufucture of Cloth for Paper-makers' purposes,
and is recommented for its sire-.fth and durability
Warehouse: 43 Fulton Street, New York.
THE SELLERS MFG. CO., 707 Marixet Street, Philaciolphia. Whitehead's Patent Dandy Roll,


FOURDRINIER AND CYLINDER WIRES, WIRE CLOTH OF EVERY DESCRIPTION Cylinders and Dandy Rouls Yade and Repaired.
Lettering \& designing on dandies executed neatly and promptly.
Felts, Belting, and Paper Mill Supplies. NEW YORK OFFICE 49 FULTON STREET

Important to Paper Manufacturers!
POOLE'S PATENT ROLL GRINDERS, TOWNSEND, JACKSON \& CO., Albany, N. Y.

WM. PICKHARDT \& KUTTROFF, 98 Liberty Street, New York.
BRANCHES AT HOSTON AND PHILADELPHIA. importers of
Aniline Colors, Carmine, Pulp Colors, Eagle Brand Ultramarines, N. C. F. Concentrated Alum.

GEORGE W ATSON, JR.
(late brautigam o watson,)
mporter of
Paper-Makers' Stock and Materials,
Whitehead's Feltings,
Pochin's Patent Aluminous Cake,
Curtius' Ultramarine.
dealer in

## FOREIGN AND DOMESTIC RAGS.

NOS. 63 AND 65 BEEKMAN STREET. New-York


[^0]:    Now Linen and Cotton Rag Specialities.
    Paoker of the well. W of strictly 41 si
    kenown Brand
    Outtings.
    SERGEATI BROS.
    78 William Stt, New York, P. O. Box 3912 FOREICN RACS,

    JUTE AND PAPER STOCK, CHEMICALS, CLAYS, ANIMAL AND ROSIN SIZE. The Swan Brand Silesian White and

