

PROGRESS, SATURDAY, DECEMBER 19, 1896

HOW BRIERS ARE MADE


 pipes comes ahied if irom Francee and large y trom the region of the Pyreness ; it is Sicily. Only verty root, or that parest of the wool chat rrows underground, is uaed. II
io sumed into oblong blocke which have no
nemblance to the torm of enficient dimenions to permit the fash ionigg of a pipe from it. The easmed blocks
aro eonked in alt mater, dried, and seass
oned. They are imported int iti oned. They are
in large bage.

## in larre bagg.

are sorted out in thers the brier blocke maller pipes, end then if lor larger and are trimmed down before obeing to to the
machines that are actually to thape the pipe naccines that are actually to ohape the pipe,
litlo olabb or bite may be saved off the
block to bring it down clone to the the pipe that is to be cnt from it $;$ but no the pipe that is to be cnt from it; but no
much needs to be cut off, for the block are aswed originally so that there will be
as little waste as possible. Then the brier block goes to the poserer, the firat of the machines emploge
ing of the pipe.
The
The boring machine has three krives
set in the amme plane; the middle knite
bores out the bowl of the pipe, the two ores out the bowl of the pipe, the two
outer knives cut amay the wood on the outide and form the obape of the pipe
Theese knives, stt in a lathe, make more than 4,000 revolutions a minute.
The middele knite, which bores out the bowl, is longer than the
two outide knives, which shape the bowl. The borer cuta the pipe out to it
full depth; the cuttrre, in the case of a
 making a wood pipe of the bulldog shape,
an additional side tool is used to ohape the bowl for a little spaee below it to greatee
circumference. In makiog an egg-shaped ing a pipe of
nolved.
is still a brien block comes from the bore bored down into one end of it and the out depth. The block wisth tte pipe thus parcly cut in it goes then to a lathe is cir
oular, ilike a circular sam. It thas peculia knie-like teeth. It is revoved tiak pecuiar a cirhlock, with the bowl partly shaped out, 1
 sat it is desired to cut the block. This moothedged wheel attached to to the lathe brought into contract with the cutting heel in precisely the same manner thas centre line of the block is brought near to it recedes from the teeth of the cutting y or lighty accordingly. Whether the stem
of the pipe is ound, oval, or tquare makee oo difference ; the cutting wheel cuts amaj The work of the irregular lathe is very quickly, and the pipe comes from it
with bowl and stem rompletely thaped out The tobacco bowl has been bored out, but no etem here epoken of is the brier stem mouthpiece
This pipe is then rough finished and fine
 After the first fine finibbing the pipee are ipes that have any outoided ; decoends are The hole through the stem is bored with ing rapidy in a lathe. Fine pipes are cenbored exactly in the center; ordinary pipes are held agsinst the wire borer by and, but pipes thus bored are almost with-
out exception bored squarely in the center. luread in the end of the o band, if it is to have one miece. Then mouth piece. Then oine band, the bit or it or
have one around te wood dem where it
his one joined by the bit or montenpemeon, whe A light brier in ints naturalal atate io of rothther


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\begin{array}{ll} 
& \\
\vdots
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## Whidide



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## SKATES!

Starr Manufacturing Co.'s Celebrated HOCKEY and ACME SKATES
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## Kettles

ade of SOLID BRASS, high shed, with and without Brass Nrought Iron Stands and Spirit gant Patterns, Low Prices. stock of English Coal Vases
It is worth inspection, $\frac{\& F_{\text {Isher }}}{\text { of Reading. }}$ hrough 'Progress' Club List.

IONS IN PRICE.

| "Progress," Readers of Weeklies, Class Papers, in the Two Periodicals for Itself. |  |  |
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| 1p a club list of newrpapers and periodicals by those who sabscribe in connection with le the inducement is primarily intended for $t$ subscribers who will send us the name of a aing forwarded to the new subscriber and sending the subscription. |  |  |
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Mussical and Droumatte



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which he had striven hard to wip out and
forge.. The day the bond were found by
a waiter at the S Suratoga botel, soboooleradt









-No man on earth hasjonff fred more than
I. Hid I though my pat mould be dug
up in connection mith these miserable old


| com., |
| :--- |
| $\begin{array}{l}\text { body } \\ \text { Ton years ago John Lawrence School- } \\ \text { oraf was a vigorous, handoome young man }\end{array}$ |

or twont -nine yourr. He mas an enter-
priong young batiness man ani mas a



ers of Richmond societs. Scheolceratt
idolizs hic mite, and histole lifo enemed
to be given up to her pleasure and happi.

thast a joung langer namad Stain, who
had been one of his moont conf jent and
truated driends, had robbed him of his

lar to admit of any reconciliation, and
with a broken beant te left har. He mado
no compleint, nor did he utter a mord of
no complaint, nor did he utter a mord of
cenourp, but hastly converted arl his
property and busin sus interesta into cash

Trimmed and Untrmmed Millinery

nir moek the opera "Olivettee was rovived
by the reguler company. Mine Chara Lune
be axceellent
Ycencie whoon in 'rerminie' mes not oo

Mr.J.J. Raver, \& baritone singer of
6.Take this List with Youn

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Ladies Fine Slippers, Fine Waterproof Overshoes Mens Fancy Slippeas, $\begin{array}{ll}\text { Warm House Shoes, } & \text { Moccasins for all people }\end{array}$

We have thooe goods in all sizy, for all ages, ani the prioes WATERBURY \& RISINC, 61 King, 212 and 214 Union


|  | taking his firat drink, for the stuff $\mathrm{f}, \mathrm{m}$ to his head instantly, and protty sonn he was done up completely, I watched him for a few mom nats flopping and toppling about on the siduwalk, wondering what would happen next, when down flited two other hitle sparrows, who evidently came to see what was up. <br> They lost no tim sin taking in the situation, either, for between chattering an chirping at their tipsy friend and amelling the champagne puddle, they appeared to comprehend matters. The two held a caicus for f few momenta after their investiga- tions ceased and then with a mighty flattering of wings and pecking of bazks they dumped him over into'the gatter. At first I thought they were murdering the poor, belpless litte fellow, but it soon beosme |  |
| :---: | :---: | :---: |
| When Chief Badenoch took the secur ities after they were found and showad them to School cratt he esid tey to him but they wereworthles. Experts wh |  |  |



| $\qquad$ <br> I chanced to see a queer little episode yesterday in which a party of English sparcorrespondent of the Philadelphis Times. At the back door of a little saloon down on Royal street a bottle of champagne bad been broken, the sparkling stuff running out and collecting in puddles on the broken stone pavement. Just sbout the time I chanced along a ubiquitous young sparrow hopp9d down upon the sidewalk and stuck his investigating beak into one of these wine puddles. Now deponent does not say that sparows in gensral are tipplers and this young fellow was, no doubt, |
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 Total given during year $1897, \frac{12}{519,500}$ WRAPPERS


PROGRESS. SATURDAY, DECEMBER 19, 1896.


## Baking Powder ELY PURE

$\qquad$
 ng the piles at Sand Point is not as suceessiln asitis primit ve. There is nothing
tery exciting in watching the diamartled hen maiting for the tije to come in and levate both the pile and the boats. Still
|uite a crond gather to oberve and hangh t this neweat freark of the councils and hen one day this week a particulurarly
tinate ponta dow insiated of pulling the mood. elievers were amusing to listen to. But it hree months to do mhates might be done in the or ast the means he would old Pmpograss
asily remove the pilea in thet tim mould
 ut they adopted this primitive athegeatios
om two Norib thrisie. Whe men who of Ave directerman the
lovements of this Sand P aro winity shown a lack of expasitinees $t$ on
tal with these mattera. They have tried do something they know nothing about
nd in spite of the will of the people as
 ress they avoiid the contrast oysuge and
ercist in the expensivoday's work method A A musugug Ineldent That oecurred in An amusing itecicens comes to Proa-
$\mathrm{k}: \mathrm{s}$ this week regarding a little girl ho on Thanksiving everaning vititled girl
perar houn for for the first time. In the
purse of the per ad wi.h the perversity uyanal in sumbh cased I jocent hero was blamed tor the deed
oung auditor's aympue tormer had his ad it required much work on the parto of a
lative who accompanied her, to the players that they,
ent, for ihe murderer "Wby does not boomebody tell then eleses, and on the way home athe remark-
in a very digunated tome new from the firted tho killed the man
dn't you? Ithika some one might ld the actors and saved them mach a 10
trouble." This little inct
 n who was talken to hearr Albane, the tol-
ming gight, and
nho diturbed oll cinity with, pert critioumsed of of various

conbers of the prima donnas BEAVEIFUL BLEEPING OARS C. P. R. stoeppera are | americe. |
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G. W. Stevens, "pecial commistioner
merica for the "Daily Mail" By far the most magnificent oleeping car car
have met is that of the Canadian Pacif., perein $I$ am urying to write thio. It
der and lootier than any other. thly and elagantly upholetered. You can
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d you my tet your lite no Yo Yankee ever ilmy carriage. In this car the two
ildde sections of the ix have their teato ong the wall of the car instead of acrose. bove theses lateral veato in are theets The amoking wiceoem, usual Dize. r. It occupies the wholel width of of the
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The Corticalli Silk Co., Ltd.
st. JOHN'S, P. Q.

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| Eleanor Nelson salls for Europe, where she ce-votes her time to the study of muslo.A telegram was received on Thursdsy last by Mr. |  |
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| 5.c. | Dr.H.B.NASE |
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The Nicest" lingeratitum
THOS. L. BOURKE
WATER STREET,

## PURE CENTRATED DOCOA. <br> THE FLRM. <br> kating <br> Costume

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## Great

Sales proved ory his otatemnensorneaw



 Hood's

Sarsaparilla



## Like a Cold, only

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and by a catarrhal condition of the head, de-
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"- Grippe, Infaene a Cold that hangs on.




 The Youths Companion Distinguished Writers


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For the Whole Family
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airs
which they used to sing. The latter re now forbidden by the government.
When the boge reach home most of them are sent to the stores to bring provisions
for the dionor, atter which they have the
time until dinner to play. In the summer




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PROGRESS, SATURDAY DECEMBER 19, 189



The colebrated
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the highest awards at all the im-
portant exhibitions during the last 20 years. Obtainable from anl lead
ng dry god sorea in every variety
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## CILEAN

TEETH using ADAMS' TUTTI FRUTTI.
Take no initations.

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DOMVILLE BUILDING
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william clark,
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ornelius Callaohe
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Steel Enamelled Ware


 Every day io passed watching the csttle tough Alpine grase. At tuenudownt the animal
are driven $\begin{aligned} & \text { ack to the summer pens, abou }\end{aligned}$ are driven baik to the summer pens, abon
a little hut, and the reaped gras packed
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For Influenza, Cough, Cold, etc. Never kown ith ial ion give rolef."Mr. EII


 to make trobble for me. Ho megan bertain to
whine with joy. thefrrt thing, agn then
he geve a little yelp. That was juat what






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