## science Invễntion

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 trallias many years ango, and nowi four-

 composition of water with eiectrolytic
apparatus in Germany thas leed to the suggestion that hydrogen thus mivdue as a ilyiting ngent. It is now weed
for infatingmilltary balloons. For lightIng purposess it is compressed in steel
cellinders With $a$ proper burnerer it is
 gen to 50 for acetylene. evere hosis no doubt regrettel the diffit Ilving objectst not of mere microsecont dimenslons, magniffed whille nille an
moving treels tin the field of view. mexenty invented Engilsh thstrument.
called the vitascope, Is sald to supply a
 when cloed, and an inch and a naif
In dlameter. The lenese nre so corlIn diameter. The lenges are so coml
bined that anf object 20 linches away masy be magnifled 12 dhameters: At
distance of 5 Incties the magnilicatio

## boat has express speed.



 ter all the present
New York World
Frank TItus of Fountaln City, Wha,
formerly owned the fastest bont on

 at Cassille, Wis, und her englines will
be used in another craft. Untll the ndvent of the Chier of Rec.
ord, formerly onued by Girliner of
Wi,
 leare the fustest steamboats in ithe
stern waver.
 semon, the fastest boat in that terri-
tory. At Wabashan on July 4 , in the
 to the lead $\ln \mathrm{n}$ stx-mile couree. The
Chief of Becord antained a speed of twenty milles an hour and for the
horreepoper insthllect was . the fastest boat between St. Louls and
St. Paul.

 is equlpped with a twelve-horse-power thas attanined as high as twenty-two and a half miles an hour, but throung
funfure to provide a n sufficlent moling apparatuas for the engine is umable mattutain this pace indeffintely.
The skip now holds the The skip now holds the speed ree
ord on that part of the river with the exception of a boat of the same d
alg., which is 35 feet loug and
 attained, none of the taftest bonts on
the river has more than silteen horse power and few of them have over
ten. Many of the engines used th the rener cratt are or lught deskign, an
while the horse powet so smalit the Whtie the horse power is small they
attali a speed of from 800 to 1,000 rev lutons per minute.
Motor boatling on the Misslsselpp
hus taken a remarkable Ins taken a remarkathe advance in
 of the sunaller towns along the river
is well na at the cttes, and there is now a movemente on betiven the club
lookIng townrd the Lokling toward the organization of a ton. to include all of the smaller or
ton ganizations.
Where a couple of years ago thore
were a dozen launches in Lacrosse waters there are alow more than 155,
ranging from the sixten-foot hunting seow to the maguifficent nitt--forot cruls
ers of the more wealthy bootmen.

## about the tamale husks.

##  <br>  <br> with the speed records, althong is said to run nearly a mile a faster than the Slitin <br> 

"What ts the capacity of your
hurch?" "About 300 spring hats."Jewe. nitials on the inside? Flance-Better Blaetter.
Miss Millyuns (rather aged)-WII arly (absently) Well, what do ink I 'm dofng now
The Professor's Wife-You haven't
issed me for a week. The Professor absently)-Are you sure? Then who Maggle (calling npstairs)-The g light it! Maggle-It went out through De Quiz-Have you heard a robln
et? De Whiz-No, but I've seen oman with her hend tied up in a tow-
i beating a carpet in the back yard. Waiter (who has just served up
some soup)-Looks uncommonly like Mnin, sir Dinor-Yes, by Jove, nod
tastes like th, too: Bring me some
thick soup.-London Tatler. "Bilger eloped with his cook, the
unfeeling wretch!". "Well. I don't know. Why shouldn't he it he wanted
to?" "But hls wife was fust going to
give a dinner party"-Life.
"The corporatlon has resolved at last
to lay out a park for the benefit of the
poor." "Have the preparations begun?"
poor. Have the preparations begun?
"Rather! All the Keep orf the Grass
boards have arrived
Bits.
"Golng to make a garden?"
"Going to make a garden?" "Not
much." "I thought you were so enthu-"
siastic on the subject last summer."
siastic on the subject last summer."
"Won't you allow a man to learn any-
thing by thing by
American.
Wink-He didn't use to dodge his
rich relatives, but he does now, Bink
-Does, eh? And as poor us he is?
have bought automoblles. - Chicago
Dally News.
Bill-I see in a favorable wind
fox can scent a man at a distance fox can scent a man at a distance or
one-quarter of a mile. Jill-or course he could scent him farther if the man
happened to be in an automobile.-
"Beware!" whispered the fortune shortly cross your path-" "Wo ray!" cried the man, dellightedly; "my
new motor car won't do a'thing to hlm."-Philadelphia Press.
Boston Bill-I'm getting weary Boston Bill-I'm getting weary
this blase, nomadic, peripatetic exist-
ence, aren't you, pal? Omaha Re ence, aren't you, pal? Omaha Red
(arter recovering)- Why er, yer see,
Bill, it never struck me in dat light Bill, it never struck me in dat light
before, Is it really as bad as all dat?

## "Excuse me for not stopping." dalmed Little. "Im in a hurry to

 home", "That's rather unusual," saLarge, "what's the trouble?" "My wi Large, "whats the trouble? "My wife
has a cold," explained Little, "and she
cinnt "The swelltons seem to keep up
imposing establisliment," remarked the
canned goods drummer." "You bet the do," replled the groceryman, with a
sigh long drawn out, "and I'm one of
the fellows they impose on."-Chicago Dally News.
Dellows impose on."-Chica
"Ne the old black hen poln
to be sent a way for the summer?"
"No Tommy ; but why do you ask?"
"Well I heard papa tell the new governess that he would take her out r
Ing when he sent the old hen away
the summer."-Harper's Weelly "Confound It", erled the angry hu
band, "any old thlng appeals to sol band, "any old thlng appeals to oou if
It's only cheap!!" His bargain-huntlt's only cheap!" His bargain-hunt-
lig wife grimly smiled. "Don't for-
get," she sarcastically remarked, "that get," she sarcastically remarked, "thn
you yourself are one of my character
Istlc Investments."-Cleveland Plat
lel

Whesy -1 wonder why the gras
Hubly- $\mathrm{r}^{\prime} \mathrm{mp}$ sure don't suppose you planted the seeds

Ha: Hn: So Funny.
rm uptown,", sald Joakle
"A firm uptown,", suld Joakley, "ha
sot up something new to enable you to pleck your teeth."
"A new sort of toothipleck?" queried "Well, it's a catalogue showing pho-
tographs of the handsome false sets mey manufacture." - Philladelphin As a man gets older, he realizes that a good deal of his youthrul wit wa
nothing more than tmpudence.
Ragtime, Alonzo, isn't necessarily the
time to chew the rag.
istle
Dealer
"Wh
"What brought you here, my poo
man?" inquired the prison visitor
"Well "Well, lady," replied the prisoner,
guess my trouble started in attendi
to too many weddin's." "Ah! You learn-
ed to drink there, or steal perhaps?" ed to drink there, or steal perhaps?
"No, lady; $I$ was always the bride "Have you fxied up my will just the
way I told you"" asked the sick who was the possexsor of many needy
who relatives and some well-to-do but
grasping ones. "I have," asserted the grasplng ones. "I have," asserted the
lawyer. "Just as strong and tight as
you can make it, eh?" nsked his cilent. The lawyer nodded. "All right,"
sald the sick man, "Now I want to
ask you one thing-not professlonally
-who do you think stands the Cwho do you think stands the bess
chance of getting the property when
''m gone?"-Youth's Companton

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## Farm Labor

One of the greatest problems, contreip that can be secured gt a compenseip chat can be gecured at a compen-
antion proportionate to the net earn-
ings for the mining and rallroads furnish employ-
ment ment to a vast number of workers who are under trained foremen and their
wages are graduated wages are graduated according to the
amount of product they cun turn out Manufacturers and transportation co porations are capitalized and the in vestment is required to earn a fixed
dividend for the stockholders. The arnings are expected to exceed the charges to create a surplus fund to conduct affairs th emergencles and duing pantes without stopping dividends
The farmer is compelled to conpet n the open market for help to conduet his agricultural operations. While the
farmer is delighted if his luvestment farmer is delighted if his lurestment
ceturns a reasonable proft, he has no ductod at a losk. The mauufacturce in
timee of fnanchl stringency to protect
stockholders stockholders dlscharges a part of his
force, reduces their wages or runs ht rlant on shorter hours. The farmer
can only protect himself from exorbltant wages by the purchase of costl
The worid moves forward and the
ligher cost of living, the Increase in
value of farm lands and the hlyher prises of agricaltural products will not
socn revert farmer will not find cheap labor of
fered in the market except by IneffiAgriculture is
more of a business proposition and the standard of labor advanced on the
farm. The farm Intorer must understand modern agricultural machinery
and how to operate it to obtanin employ.
pent Machinery is too expensive to be trusted with inexperienced opera linndle modern farm Implements is in that will compare favorably with th employes in Industrial enterprises.
Farmers are now practical business
men and the majority of them keep amount of thefr proft and loss annual y. Farming as a profession is becom-
ng more attractive and diversified an apor needs to be more skilled to meer
newr conditions of agriculture. The in ducements are potential for young men
to quallfy as farm laborers and t feld offers as brilliant prospects
any other protesslon. The farmer any other protesslon. The farmer
not so much in quest of cheap labor
efficlent help and is Wage scale proportonate to the ability
and proficlency of the laborer as an upand proficlency of the laborer as an up-
to-date farm hand.-Goodall's Farmer
Carrytng a Trank tn Baggy,
To carry a trunk or any bulky icle in a small buggy, make a fram
out of two pleces of one and one-hal by two-inch scantlings elght feet lone
Nall a board across the ends as shown

in A of the accompanyling Illustration Place the free ends beneath the seat
and under the foot rest in tront, letting the frame extend behtnd the buggy. The trunk or box, explains Pralrle Farme can then be placed on the end of the
frame behind the seat of the bugg. I

## e tied on.

Eggn Varlounty Prenerved.
Eggs are preserved in many ways besildes cold storage. often the preservative is effected by excludling ing the eggs, some material or solu-
tion belng used which may bon belng used which may or may not
be a germiclde. An old domeatic meth od is to pack the eggs in oats, bran or
salt; another consists in covering the eggs with lime water, which may or
mny not contatn galt. In Germa may not contain salt. In Germany
sterllization ta effected by placing in
bofling water trom twelve to bolling water from twelve to inteen sec
onds. SometImes they are treated to a
olution of alum or salleylic acid. Oth-
er methods consist in varnisbing with solution of permanganate of potash,
varnishing with collodion or shellac; packing in peat dust, preserving in ood ashes, treating with a solution of boric acld and water glass, varnishing
with vaseline, preserving in lime wa-
ter, preserving in a solution of water glass. The last three methods have will keep much better than fertile egga y any manner of preservation.
Alfalfa Now Farm Prodacts. years ago. Now it is one of the most reliable and proftable of Texas crops.
It has not been long since the onion as produced only in a few short rows Por family use. Now the onlon crop is
one of Texas' liest advertisements. The fort to rase lest advertisements. The leinal plants began with market melislng eltizen of Grayson County only hig taken up und will be carried on for it it is worth. The list is growing ther farm products are better than hey used to be, and the man with the ugar beet is mow belng tested. Coloado holds first place in the production
o beet sugar in the United States, beet sugar in the United States,
ith $422,732,530$ pounds of suzar from 1 ith $22,732,530$ pounds of suzar from
$18,366,366$ acres, while Michigan and alifornia are closely matched for see oud place, producing $165,000,000$ and
$16,4000,000$ pounds, respectively. The igar beet crop in this coutry last
sar brought $\$ 4.500,000$ The present year will be an limpor-
ant season for experiments with the ugar beet in Texas. Let the tests be unde under as good conditions as pos-
sible. There is really no doubt as to the results in localities where the soll is of the right density and quality. of the ordlnary variety or the "biggest reak a few records in sugar beets if given in falr test.-GGalveston News.
Improved Chteken Coop.
The dhagram shows a convenlent way to make a coop for the poultry yard,
of whlch the special feature is its door. rocure a box of the right dimensions streugthen the box with narrow. Then
strips

c. This acts as a groove for the liding door, which opens and shuts with the greatest ease. The front of the coop is inclosed with lath, or anr-
row strips, placed $2 \pi, ~ t o ~$
inches part. The top should be covered with
good grade of roofng paper to make good grade of roofing paper to make
waterproof. A coop of this sort hould be 2 to $21 / 2$ feet long, 16 inclins while 2 feet would be better.-Richari
Moncure, in Farm and Home.

The Forse farm Hinta. fore he is deserving of a friend, treatDon't forget that the barnyard ma-
aure is the best all-round fertilizer you can obtain.
Pasiure makes the cheapest hog feed
on the farm and clover makes the best hog pasture.
your heart and shut in all the kindnesa and happiness.
The animal that has a full, bright
eye is apt to be healthy. And a molt Dose is another indilcation of health. II the undertakings of the farm. She The burning of straw and stalks, exept in special cases, Is a wasteful prac-
tice and has no place ha judiclous $f$. Every farm should have a potr scales It is the only way for the
farmer to know exactly where he Farm his buying and selling Farm machlnery put in repair before
he busy season opens means moen the busy season opens means money in
the pocket. When it is put away in
the fall is a better time for repairina The man who keeps his troubles to
Imselt is himself is better thought of than he he buriens his neighbors with them. Little things on the farm amount to ther busineese yet the farmer as a rule oes not pasy as much attention to de-
aflis as does the clty busines man

