## MODERN METHODS ACCOMPLISH A REVOLUTION.

New Wayn of Plowing and Prepar-
Ing Gronnd, Sowing Seed, Cuftivat-
fng Cropnand Harvesting the Ripened
Product-Agriculture a Ecience.

Farm machinery may some thme do work for us that will be worth $\$ 1,000$
00,000 a year, says a writer in th
World's Work. Theoretically, it is al
 dapted coud have been planted an
gathered by hand, they would have cor
early $\$ 700,0 \times(0,000$ more than if the had all been planted nd gathered by
machinery. It has not only added huch to our wealth, but it has made
he formont exporting nation and it
changing the character of the farmer toil.
All the great crops are now plantet,
and all except cotton are gathered by throughout a seenson's work and see the



mon. A farmer of the central wes
who uses $a$ small traction engine and
 stenu economical.
The piowlig. done. the manure
spreader rephaces the hand fork and It hackache. White the farmer with
a pair or horses drives beck and torth
across his tield, from the rear of his The land made ready for the ree
veqtion of the seed, methinery stiil
tooes the work that muscle used to do The sower goes forth to sose sow, but not and
the soil, trudgling bpack ward and for ward from dawn till twilight. His
krass or his grain is broad casted or irilled in with mechanical evenness and
hie machine automatically registers acreage sown. In Alike manner his corns in sritied in, histed or planted in
hillis, his potatoes are planted and even
his cubt his cabbage, his cauliflower and his tobucce plants from the seed.beds are
set out by machinery, and the work is
doue better than it condd posesiby be done by hand-this besides the saving Promptly after the crop is planted ome the weeds. They once meant the hoe, blistered hands, weary backs and
in the wet season, a long and weary Tottle. To-day the farmer has his
then and vators, either guided by handles, the
Iriver walking behind, or made wit wheels and a seat, the driver riding in comfort. Thus corn and potatoes are
rilsed up and the ground is kept clean and in a good condition. vest that we will find the greatest marvels in mechanical ingenuity. Every one is tamiliar with the mower, the tedder
and the horse rake to save the hay rop. To these have been added the harws, and a press operated by horse$y$ hand requires thirty-five and hay ours of labor; with modern machinery, , greatest saving is in the cutting lathl requires eleven hours and by ma-
$\qquad$

HRO:-St. Louis Post-Dispatch
USERS OF QUININE. Get to Be Fiende for the Drage, whiel
Help ${ }^{\text {Themm Littie. }}$
Habitual users of quinine are slave Habitual users of quinine are slavee
o it, but derive little benefit from in Men with malaria eat it by the ounce and still keep the malaria. The world
is full of quinine drunkards, who pow a spoonful finto the palm of the hand and liek it down without a grimace have seen them chew cinchona barb as one chews gum. Others, not habitu ated, must take two grains or ten it
gelatine capsule. Before capsule es-and the chances are that the mo
lasse effected the cure. Too muc
of it is nearly as ber mel.
Great fortunes have been made of it, however, and its cultivation it
Ceylon and Java is sald to be success
and Ceyton and Java is said to be success
ful. There are several pretty ro mances connected with the discover
of "kina," as the native Indians Peru called the cinchona trees fro
which quinine is derived. What you call it-kwinine, kwe-neen, kin nine, kee-neen, or kin-neen? It is pos
sible that your pronumeliation of thi word may discover your birthplace
What a lot of names the dur quinine, cinchona, Countess powde der, Peruvian bark, China lark, quin,
quinquina, cinclona ! etc. T world is
general in use were perscen
together repudat
in Englishman,
$\qquad$
the steam harvester moves steadily
forward into it. On one side the grain


The Need of Thrilt
 towing rich the necessity ot ot thriftit is orever
would have prevented nearly every blg disaster this year, for two-thirds of them were collisions, and it is the bush Criminal negligence is prevent collistons.
waughter. Thegigence is the chief cause of railrond clpally to make money. More money cala ning them and taking chances of aceldents than by pro. ridmg against them. It is cheaper to work a man to tha exhauston point than to employ two men. Negligent man
are cheaper than careful men. Hence many of the roads are run in criminal disregard of public safety. Dividends on stock and honds are too often paid on the hazards to
human life. What will Congress do to stop the rallroad slaugliter in the Enlted States, which is greater than that in Great Britaln, France and Germany comblned?-Chi.

## T

Who Owns the Prescription?


Who Owns the Prescription? necept it as a finality. This particular that agist, druggists
was threatened with imprisonment for fimally concluded to give up the prescription demanded be The question of ownership of a prescription would sed
so very simple to the mind of the layman as to requit no ruling from a court of equity. A prescription is cerinins Iy the property of the person who buys it of a physiclian,
and whether a drugglst may be permitted even to retain a copy of it is obviously a questlon for the owner of it ta
decide. As a matter of safe practice the owner should always demand a copy of his preseription if he does not
retain the original copy. It may turn out to be a preseription of great value, and the druggist of course has no righs
to it, and few druggists, indeed, clalm such a right The same principle bas been held to apply to photopher's price for a negative it is his property. If he careg to do so he has a right to take the negative away with him
and make his own prlnts from it. As a matter of custom and convenience, however, the photographer is permitted to store the negative where it may be easily found when
new prints are desired from it. It is very cloar that the photographer has no proprietary right in a negative whlch

College Men and Business.
He principal complatnt against the schoois and wiversities has been that they tended to aug:
ment the already over-crowded "professions:"
hat they gave prominence in their he studtes that were calculated to equip men
the so-called polite pursults of life. As
result there came ent every June a small army of doctors, lawyers, preachers
and writers. There are hopeful Indications, bowever, of a tendency on the part of the colleges and universities to meet the
demand for educated men in the various lines of commen clal and industrial endeavor, which modern conditions hare created There is gradual and more adequate recogntio of the fact that the so-called "professions" are alreads over-crowded, and that the great demand of our times it for trained commercial and sclentific men, for men whe
can take the places of the self-educated and self-made men who bult up great Industrial and commerclal enterprises
Dean James H. Tufts, of the University of Chicago, in his address to a recent graduating class, declared that in most classes to-day fully three-fourths of the men grad. uating intend to enter commerclal pursults insfead of the
professlons. Twenty years ago one-thled of the men to professlons. Twenty years ago one third of the men in the
graduating classes of the colleges became teachers, graduating classes of the colleges became teachers, one-
rourth or one-fifth entered the ministry, and not more that one-fourth went finto business, sald Dean Tufts.
There are not enough patients for all the doctors and not enough cllents for all the lawyors, It Is time the unt-
versitles were turning out men to take the places of the versities were turning out men to take the places of the
great builders, merchants and producers of our time.great builders, merchants and producers of our time.-
Chicago Record-Herald.


