Marvels of Everyday Science
Competent Scientists Apply Their Skill to Problems of Agriculture, Houskeeping, Schools, Business and Governmental Activities.

## Health and Sanitation

f the top may be in this or any othe
nanner to suit the maker. The lengt of the desk should be the same as the ards made of two pieces of tubing, one the supports. Clamps are attached to
the the upper ends of the larger, or out the tubes for use in holding the des ond teleseoping tubes, is nsed at each to a comfortabie beight for the iser Thumb nuts are used to clamp the desl to the bed.

Concret Telegraph Poles. Reinforeed concrete telegraph polea along the Pennaylvanie Railrosd in the
vieinity of the New Jersey entrance to vieinity of the Nudson tuands proved during the the Hudson tuanels proved during the
blizzard of Marel 2 their superiorit over the ordinary kind or wooden poles
So mevere a load did the ice coated wire impose apon the congrete poles that the broken; the conerete poles themselve however, remained intact. Many of the
wooden poles, howover, were entirely wooden
demolished.


Units Used in Novel Call System

## Units Used in Novel Cor

bearing on the one side his room num ber, and on the reverse, the name of a have an expressman call at his office for a package, he deposits a check in a
special chute in the elevator wall, asd special chute in the drops down to the first floor, where an authorized employe of the building opens the box, recoros and notifies the proper express man he is to call at that room. The expressman takes with him the check

## the package.

> How Far a Man Can See Distinctly.
Some interesting experiments lave
been made in the German army with the object of discovering at what dis- tance the recognition of one soldier by good eyes it was found that a person a distance of 80 feet, while an acquaint ance could be recognized at a distanse of 300 feet, and an intimate 1 riend or relative, at a distance of 500 feet. The various parts of a man's body can be
distinguished and any decided movement can be detected by an expert rifle$\operatorname{man}$ at a distance of 300 feet. At
1,800 feet a man appears as a spot the landseape and cannot usuaily be seen if he keeps still or if his dress does not contrast with the backgrzund. Sailors, hunters and farmerb can usuady account of their constant training in making out the nature of distant objeets.

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World's Largest Fiter P'ant. tion plant is under construction at St
Louis to purify the city 's water uupply
from the Missiassippi River. The de sign provides for forty filter units each
one of which will be capable of filtering $4,000,000$ gallons daily. Each filler box
measures $59 x 28$ feet in plan sad con measures $59 \times 28$ feet in plan sad con
tains a 30 -inch depth of fine sand an a 12 -inch depth of gravel. Before en
tering the filters the water will $\mathrm{p}^{\text {.2s }}$ hrcugh sedinentation basirs wter

Bed Desk for an Invali4. An adjustable desk or table for a
nvalid or convalescent can be made a


## $\mathbf{T}^{\text {B }}$

## Thisrutall for beg they smoke ni

 bearks they ore taviectly bat, butiesitaticn of therr elder. It is
parants' duty to prove to the boy th
smoking ma; prevent his beeoming athlete ard thst it will affect his ches
expassion and masculer development See to it that he disting niskes the rea from the ehesp sport atd desires to

M $^{\mathrm{Y}}$ CIIIIDREN never carry emch cne is provided with a rainproof each cne is provided with a rainproot
hood, which when not needed is but hood, which when not needed is but
toaed into an inside poeket of the overcoat.

Any Instrament Easily --Quickly


FARMS WANTED We will be Pleased



Tweaty years' practice in Oregon.
CHAS. HIRSTEL.
DR. M. A. JONES
24.3 Warhington St., Fortland, Oragon


[^0]:    Festener Holds Tonguo of Shoe. An invention by a Canadian is de signed to prevent the tongue of a
    from slipping down out of place. The contrivance conrists of a ball aud-sonket fastener, the ball portion being on the tongue and fliting into the socket,
    which in a man's shoo is part of the hook ittelf, while in a woman's shoe, where the eyelet is
    socket is inserted.

