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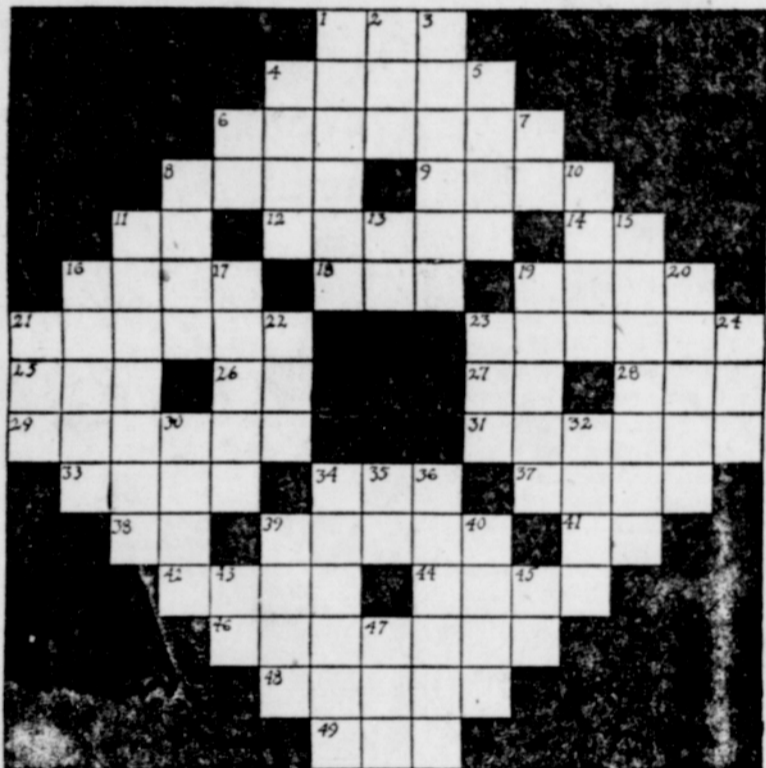
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CROSS-WORD PUZZLE No. 22



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Horizontal

- 1—Supreme Being
- 4—Hollowed out
- 6—Glutinous material
- 8—Fountain beverage
- 9—God of love
- 11—Above
- 12—Be
- 14—United body (abbr.)
- 16—Of the same kind
- 18—Still
- 19—Explosive
- 21—Saw
- 23—One who takes anything in as pledge for loan
- 25—Sick
- 26—Liquid measure (abbr.)
- 27—All right (abbr.)
- 28—The same thing
- 29—Serous membrane
- 31—Small stone
- 33—Butter substitute
- 34—Obstruct
- 37—A rake
- 38—Boy's name
- 39—Defamatory writing
- 41—Exist
- 42—In bed
- 44—To doff (poetic)
- 46—Without termination
- 48—Rends
- 49—A grain

Vertical

- 1—Brilliant assemblage
- 2—Egg cells
- 3—Hate
- 4—Yield
- 5—Filth
- 6—Proceed
- 7—Negative answer
- 8—Narrow point of land extending into water
- 10—Large flat-bottomed boat
- 11—Small stringed instrument
- 12—That is (abbr.)
- 15—Large vehicle
- 16—One of the harpies (myth.)
- 17—Ethiopian
- 18—One who cooks in an oven
- 20—Beautiful woman
- 21—Fee
- 22—Long, narrow inlet gradually diminishing inward
- 23—Beverage
- 24—Increase
- 30—Town of Honshu Island, Japan
- 32—Sneeze
- 34—One who invites
- 35—Jewish month
- 36—Venerate
- 38—Having made a loan
- 40—Girl
- 43—Exist
- 45—Part of verb "to be"
- 47—Deposit

Solution will appear in next issue.

Forests Support One-Tenth Of The American People

A good authority calculates that one-tenth of the American people are supported by industries dependent on forest materials. According to the National Lumber Manufacturers Association 1,100,000 persons are directly employed in the industries that produce and remanufacture forest material. Regular cropping of the 470,000,000 acres of forest land now remaining will always maintain 12,000,000 people. If the forests are to be virtually abandoned when the standing timber crop is removed a great disruption of economic relations will follow. Moreover, America will needlessly be deprived of one of its greatest sources of natural wealth. The forests have contributed incalculably to the piling up of our huge national wealth. Moreover, like agriculture, but unlike mining, the forests are not inherently exhaustible. Forests may be grown forever on the same land without exhausting it.

There is a fierce competition among the nations for control of raw material. The United States may, if it will, always own and control a sufficient supply of forest products. The first steps involve a national forest policy, protection against forest fires, equitable taxation of forest land, and wise extension of publicly owned forests.

The more successful hog breeders of the Willamette valley are moving their sows and spring litters from winter quarters to good clean pasture reports A. W. Oliver, assistant animal husbandman at the agricultural college. They also take advantage of the fact that the cheapest gains made during a pig's life are made while the pig is suckling, and the sow is therefore kept on a full, well-balanced ration while being moved.



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Industry and the Forests

The timber from 7,500 acres of land is required each week for America's Sunday newspapers. It takes the pulp trees from that much land to provide their newsprint paper. Yet publishing is only one of a hundred groups of industries that draw their material from the forest. The gigantic lumber industry, with its 20,000 mills, consumes only a third of the wood that is actually removed from the forest. More wood is used for fuel than for lumber. Directly and indirectly the responsibility for depletion of the forests rests on every citizen who uses wood in any of its manufactured forms. Yet we still permit fires to burn over almost as much wooded land as the woodsman cuts over. Carelessness and waste characterize our attitude toward forest products. They have been too cheap and plentiful to be appreciated. It is President Coolidge's hope that the observance of American Forest Week will contribute to the formulation of a creative public opinion, from which will flow public policies that will encourage forest growing and the conservation of present forests.

The best method of protection against forest fires thus far proven involves the use of strategically located lookout stations' telephone lines, and mobile forces of fire fighters which can be rushed fully equipped with tools to the threatened areas. The use of the airplane patrol has not supplanted the permanent lookout station system. All successful methods of protection against fires must be founded upon basic organization, public cooperation, and sound forestry practices which leave cut-over areas free from slash and other inflammable material. No single agency is as important as public sentiment combined with public cooperation.

26,000 Trees Planted in St. Louis County, Minnesota

Considerable impetus has been given to tree planting in St. Louis County, Minn., through tree planting contests participated in by 15 communities. Portions of the district have been made extremely bare and unlovely by indiscriminate timber cutting, and in some parts of the county the development of iron mines has detracted still more from the beauty of the landscape. Over 26,000 trees were planted in the county last year. These were not reforestation trees, but were ornamental trees set out to beautify rural home surroundings or to provide fruit. The kinds most used were plum, cherry, mountain ash, poplar, and Norway spruce. Several demonstration windbreaks were also established, and through the cooperation of the state forest service a thousand trees were planted in this way, according to a report received by the United States Department of Agriculture. In Jackson community, which won the prize, over 2,000 trees were planted. The prize awarded was a decorated copy of Joyce Kilmer's poem, "A Tree" framed suitably for hanging in a school or community hall. Extension workers in St. Louis County also urged people to maintain living Christmas trees all the year round and to decorate them out of doors at Christmas time. This feasible and attractive idea was adopted by a great many families, and as a result 464 fir trees were planted.

Millions of persons visited the National Forests and National Parks during 1924 for recreational purposes. This illustrates the extent to which the public is using its forests as wholesome playgrounds and what American Forest Week means to those who now seek and will seek America's forested land for recreational purposes. Mrs. F. M. Hord of Portland spent Sunday here with her parents Henry Chapman and wife.

Community Building

Lightning Rods Urged for Tree Protection

Trees with wide-spreading root systems or with roots that reach deep into moist soil are relatively good electrical conductors and, generally speaking, are in most danger of being struck by lightning, says the weather bureau of the United States Department of Agriculture. The rodding of valuable trees to protect against lightning is therefore strongly recommended.

No tree is immune, but among trees of the same kind the one standing well above its neighbors is in most danger, even in a dense forest. This may be due to the greater height of the tree or the kind of ground it stands on. Trees growing in the open are in more danger than those in a thick stand of timber, as are also those growing along an avenue or border of woods. Those growing in moist soil along the banks of a stream or lake are better conductors for lightning than those growing in drier soil. Sound trees in general are less likely to be damaged than those with rotten wood.

Trees growing in loam and sandy soils are struck more frequently than those in clay, marl and calcareous soils. Oaks often grow to great height and mostly in loam and sandy soils. Moreover, they are a good example of a starchy tree, which is a better conductor of electricity than an oily tree like the beech. The oak also is a tap-rooted tree, with its root system extending deep into the soil, which constitutes another factor of danger from lightning for it. Studies in various localities, particularly in western Europe, have shown conclusively that the oak is struck much more often than other kinds of trees.

Elm, ash, poplar and gum trees are also very susceptible to lightning damage, while those least attractive to lightning are the chestnut, maple, alder, and mountain ash, according to the bureau.

Garden Wall Should Resemble the House

It is usually best to have a garden wall of the same material as the house, whether it is of stone, stucco or brick. For the frame house, the wall may be appropriately be of cobbles, a delicate lattice, a paneled "board" fence surmounted by lattice, a picket fence or a hedge.

There are of necessity several gates. Where the wall is masonry, a hooded gateway is quaint and attractive. In the hedge nothing could be more pleasing than a trellised arch with a painted gate made of porch balusters. The design of wooden gateways is limited only by the ingenuity and imagination of the home owner.

The rule for a wood pergola is to set the columns as far apart both ways as they are high. The usual wood for exterior woodwork is white pine, as it is very weather-resistant. The fact that garden woodwork must be properly painted and kept so need hardly be emphasized. That paint protection is necessary for the mere preservation of these articles constantly exposed to the weather is well demonstrated by the ordinary unpainted telegraph pole, which is a sight familiar to us all. White will always be the favored color for outdoor woodwork, though green and brown are appropriate, and have greater durability.

Knocker Never Popular

The knocker may have his place in the scheme of things. We are willing to admit that he has. The knocker does some good, in that he points out the weak places in his victim's armor and the victim thus is in a position to make amends. But the long funeral processions are never lined up behind the dead knocker. People who think kindly and speak kindly of their fellows, who have a sympathy for the shortcomings of others and who try to help rather than to knock further down those who may make a mistake, are those who draw men to themselves and who will be missed and mourned when they are gone.—Exchange.

Betterment Called For

It may be predicted that the time will come when there will be a lively emulation for betterment among villages of this country, especially in the West. The pioneer days are over. The time is past when any habitable place was acceptable as a home, when the impulse was to regard a home merely as a temporary abode. The country has become stabilized. Villages and towns have taken on permanency, and with it they should develop and define distinctive characteristics. Efforts in this direction can be made to pay. They make for better values in property and in happiness.

Urges Railway Cleanup

Holding that the unkempt appearance of railroad rights of way in American cities makes an unfavorable impression on all persons entering them or passing through, the National Association of Real Estate Boards, at its annual meeting at Dallas, Texas, recommended to all member boards that they appoint strong and active committees to work in co-operation with railroads and industries and with civic bodies to the end that the railroad rights of way shall be converted into attractive city entrances.

S. P. Railway Co.

TIME TABLE

Effective Sept. 7.
Trains will arrive as follows:

To Portland	
No. 356	5:03 A. M.
No. 354	8:10 A. M.
No. 358	11:13 " "
No. 352	3:40 P. M.
No. 350	6:32 " "
From Portland	
No. 351	9:28 A. M.
No. 357	11:05 " "
No. 359	2:40 P. M.
No. 353	6:00 " "
No. 355	7:10 " "

355 and 356 Daily except Sunday
Sundays a special leaves Portland at 6:45 arrives Dayton 8:05; arrives Corvallis 9:15.

J. Spangle

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Solution of Puzzle No. 21.

C	O	A	S	T	S	O	P	E	N	E	D
H	I	L	T	A	B	A	S	H	G	I	V
I	L	L	A	T	E	I	M	P	P	E	N
M	Y	P	O	R	T	I	F	N	O		
E	P	A	R	R	D	E	L	A	I	T	
D	O	E	T	E	E	A	G	O	E	W	E
A	T	A	D	S		D	O	T	W	E	
T	H	E	R	A	P	C	A	P	O	K	
A	S	K	A	V	E	A	I	L	A	S	P
V	E	N	T	E	R	B	R	I	S	K	L
A	S	W	E	R		N	O	T	H	E	
T	I	P	S	A	P	B	O	Y	B	A	A
A	D	A	M	C	A	T	E	R	O	A	R
R	E	D	U	C	E		E	N	Z	Y	M

Incendiarism, smoking, and camp
fires were three principal causes
of man-caused fires within the National
Forests during 1924.

Porter magnus has joined the
"Happy Day" show company and
will try his luck at being a show
man.