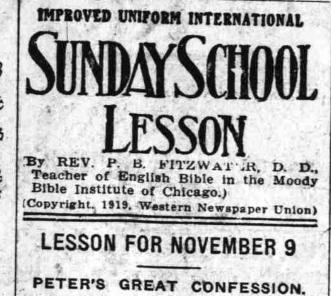
RDWOOD is in greater lemand than ever before n the history of the ountry. Years ago everybody burned wood as a matter of course, but the number of people in that day was small compared

How the Wood Lot Helps Out Robert H. Moulton

a the population of the United ntes now. In those olden times peowould have been aghast at the ought of paying \$8 or \$10 a cord for wood. Yet these prices, and even ar ones, have been charged in many es the last two seasons. When cold ther approached and no coal had put into the cellars, great nums of people turned to the woodis and to the farmers advertising oi as a last resort. Fuel commisas have advised the burning of od pointing out that a cord of the quality hardwood, thoroughly seaned, has the same potential fuel he as a ton of anthracite coal. reover, it is decidedly more ecomical for heating purposes during early fall and late spring, when r temporary fires are required. Also ad ashes have a definite value as

that the farmers of the country ned materially in conserving coal in s by substituting wood as fuel is wn by the bureau of crop estimates the department of agriculture. An rage of 11.5 cords of wood, or a toof 77,092,000 cords, was burned on farms of the courtry during 1918. e total production of cordwood durthe year, which includes wood med on farms and that sold by mers to city dwellers, amounted to moximately 102,903,000 cords.. The rage farm value in 1918 was 73 is a cord. Upon the basis of estites for 1918 the farm. fuel-wood is one of the important crops of farm, inasmuch as only five cropswheat, oats, rye and cotton-exded it in value in 1918.





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POLK COUNTY NEWS, TRYON, NORTH CAROLINA

LESSON TEXT-Matt. 16:13-24. GOLDEN TEXT-Thou are the Christ, he Son of the living God.-Matt. 16:16. ADDITIONAL MATERIAL-Mark 8:27-8; Luke 9:18-26; John 6:66-69. PRIMARY AND JUNIOR TOPIC-What Peter confessed. INTERMEDIATE TOPIC - What it

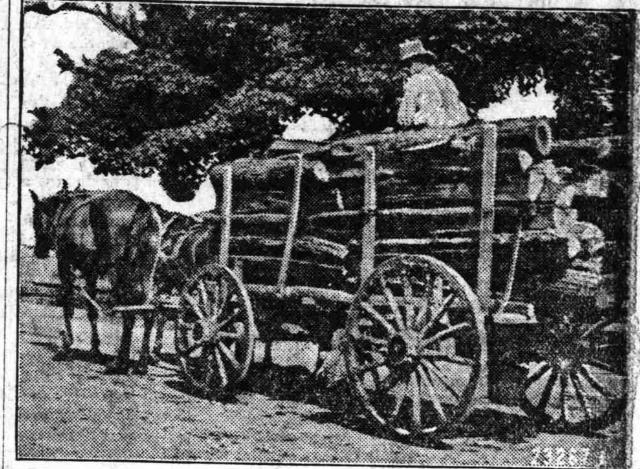
neans to confess Christ. SENIOR AND ADULT TOPIC-The Messiahship of Jesus.

The time has now come for the King to take account of his ministry.

This confession in some sense marks the turning point in Christ's ministry. Hereafter it is more restricted to his disciples. Two reasons are sufficient why this should be (vv. 1-12): (1) The Pharisees and Sadducees show their attitude towards him in their demand for a sign. His answer is that none shall be given save that of his death and resurrection, as symbolized n the experiences of the Prophet Jonah. (2) The disciples show their inability to understand the spiritual nature of his teaching. When he warned them of the leaven of the Pharisees and Sadducees they understood him to refer to bread, when he meant their doctrine. It was at this crisis when Christ turned from the nation which had rejected him, that Peter made this great confession. It was made in the borders of Caesarea-Philippi, practically Gentile territory. I. Peter's Confession (vv. 13-16). Two questions of Christ provoked

1. The question as to the opinion of the people concerning him. They recognized him as a teacher or a prophet of more than human authority and power. Today, as then, there is a diversity of opinion among the people as to Jesus Christ. Some think he is only a man; others, that he is a great teacher, but nothing more, Had he been content with this he would not have been molested in Jerusalem, for the Jews willingly acknowledged him as more than a human teacher. It was his persistent claim to be the God-man, the Son of God, that sent him to the cross. 2. The second question involved the personal opinion of the disciples concerning him. To be able to tell what others think of Jesus is not enough; there must be definite, correct, and personal belief in him.

**GOOD INCOME FROM FARM WOODLAND IS** ASSURED TO FARMER BY PROPER CARE.



A Farm "Crop" Too Many Farmers Overlook. With the Present Excellent Prices for Its Products the Farm Woodland Can Be Made a Valuable Asset

ment of Agriculture.) A source of regular income lying at the door of many a farmer, but too often neglected, is the farm woodland. With increasing scarcity of lumber, and with excellent prices now being offered for forest products, proper care of the wooded area on the farm will amply repay the farmer.

To secure a fair price for this timber the owner should know how much material he has and for what purposes it is best adapted. The first thing for him to do, according to the forest service of the United States department of agriculture, is to find out how much timber of each kind the woodland contains, what products it will yield, and what is its general condition and quality.

If the wooded area is small, it will be best to measure each tree separately. The diameter should be measured at about 41/2 feet above ground with calipers made for the purpose. Heights should be carefully estimated, or measured with some sort of height instrument to the first large limbs. Knowing the diameter and height, the amount of timber in board feet in each tree can be found by the use of volume tables. Such tables are included in Farmers' Bulletin 715, Measuring and Marketing Wood-lot. Products, which will be sent free on application to the department of agriculture. The quantity of cordwood a tract will yield can hardly be estimated by an inexperienced person. Sales of such material will usually have to be made on the basis of actual cut. Measuring on a Large Tract. If the woodland is large it will, of course, seldom be possible to measure each tree separately. In such cases every tree may be measured on parallel strips 66 feet wide running through the tract. Every 660 feet in length of such strips comprises an acre. Averaging all the acres comprised in the strips and multiplying by the total acreage of the tract gives the total stand., The strips should include at least 10 per cent of the woodland. Proper allowance must also be made for defective timber. Dead trees, except those killed by fire or other outside agencies, are apt to be very defective and should be culled. When the tract is exceptionally large, it may pay to employ a professional "cruiser" to estimate the timber. If the owner depends altogether up on local industries to buy his product, he is likely to find his market extremely limited. Some products, such as crossties and fuel wood, have to be sold locally; it would not pay to transport them far. But other products, among them tan bark, can be shipped 150 miles, and still others, like walnut timber for gunstocks, can be shipped

(Prepared by the United States Depart- | cure them may be had upon application tion to the forest service, Washington, D. C.

Ways of Selling Products ....

The way in which farm forest prode ucts are sold may have a good deal w do with the profit an owner gets from his tract. There are four ways of selling: (1) By scale measurement of rough products; (2) by the piece, for such products as ties and poles; (39) by the boundary, for a lump surar and (4) by lumber scale of same products.

Selling by the log or piece is the simplest method. Ties, poles, piling. etc., are always sold by the piece. The important things to know are the ferent grades of each product their relative value. Fire wood, paip wood and excelsior wood are seed. either by the cord or rick. This, too is a comparatively simple method of marketing. To be sure of selling profitably by boundary for a lump same, the owner must make a very careful estimate of the amount and value of his timber.

the utilization of the forests of country, including farm woodlands, at deal of wood material is pros which cannot find a use other

pently be made to pay for thems, if the material is used for fuel. sings and improvement cuttings tion and at the same time improve definitely. quality of the timber, a fuel wood and opens up a great opportunity total effect for the better in the ncter and quality of our forest re-

le great bulk of wood-fuel supply dings and improvement cuttings on woodlands. Except under stress mergency, trees which will produce than cordwood should not be cut hel. Trees which are better suitor fuel than for any other purpose, e removal will be of benefit to maining stand, are: Sound stand; will not make good lumber and thoroughly seasoned wood. are crowding or overtopping is; trees which have been overtopof others and their growth stunttees of the less valuable species they are crowding more valuable the beech, black oak, birch, hard e, white oak, or white pine; slowing trees which are crowding fasting species of equal value.

many farms former pastures have irch, aspen, pine or other trees. A LOAD OF STOVE WOOD

id wood, charcoal, etc., most of much wood there is in the country. On lighter bricks at a cost of about \$1.25. left for fuel or wasted. Since farms alone the total area is approxi- Most country cook stoves can burn of the trees in our forests are fit mately 143,392,000 acres. The first tier for fuel, they will not be cut un- of states just west of Mississippi has a grate is too coarse for wood, a sheetthere is a demand for fuel wood. great deal of timber. In the West the iron cover over a good part of the surnovement cuttings, which take the wooded areas are for the most part face will make it suitable, or a few fire-Il diseased, or defective trees, can restricted to the mountains. An averitably be made use of only in case age of ten cords an acre, which seems wis such a demand. Thinnings can reasonable, would give one and onehalf billions of cords for the region east of the Mississippi. At the avertetimes products of thinnings can aeg rate of consumption on the farm used for other purposes than fuel, itself, 12.6 cords a year, 739 cords more often they cannot. As proper | will last 58 years. On the average this would be ample time to replace the s great stimulus to increased pro- stands and thus continue the supply in-

forest improvement and, if wide- of 1917-18 brought out plainly the inad and continued, will produce a adequacy of the cord for measuring One user reports continuous use of a

arming regions should come from weight. A pound of dry wood of one moval. species has about the same number of heat units as a pound of any other species; but a cord, assuming the same er or other material of higher solid volume of wood in each case (90 cubic feet), of basswood, for instance, yields but 12,600,000 British thermal units, while a cord of black locust yields 25,000,000 British thermal units. A better way to sell fuel would be and down dead trees; trees dis- by weight, which is entirely independfor seriously injured by insect at- ent of species, shape or size of sticks, ad large-crowned short-boled trees good measure of the fuel value of Green water content, and therefore in fuel from that of dry wood. If weight instead of volume is adopted as the standard measure, it will be necessary to fix certain standards as to time of

seasoning of wood offered for sale. Coal has been so generally used overgrown with red cedar, lately and furnaces and stoves have hardwood will make only about 60 become so adapted to its use that it pounds of ashes, while a ton of hard beds of ease. thes came in slowly and through seems impractical to many to burn coal will make from 200 to 300 pounds. were allowed to steal much of wood without going to great expense. Since, however, potash is now

us fuel. While some cf it is used years, it is important to know how moving the firebrick and substituting wood without much trouble. If a stove bricks can be used. Wood grates made in two pieces are sold, which can be

inserted through the firedoor and placed on top of the regular grates. Where a fireplace is available wood can be used to good advantage, affording both heat and ventilation. Its value is to supplement the furnace, although it may replace the furnace in fall and spring with decided economy. It is not generally realized that a wood The great demand for fuel wood fire can be kept burning night and day and the high prices during the winter in a fireplace with very little attention and with small consumption of wood.

wood. The purchaser of fued wood fireplace in this way for over a month, buys it not for its bulk but for its with dry chestnut wood, where the heating value, which depends not upon amount of ashes formed by a month's the volume of wood but upon its use was not enough to require re-

The secret of fireplace management is a plentiful supply of ashes, kept at the level of the andirons. As the blocks burn, an accumulation of glowing charcoal forms in the ashes. This keeps on burning slowly and assists in igniting the fresh blocks on the andirons. A pocket may be formed in the ashes into which the hot charcoal may fall, forming a heat storage. Two or three blocks on the andirons with the badly fire-scarred trees; crook- or of method of piling, and is a very hot charcoal in the ashes will form an excellent fire. To check the fire, ashes are shoveled over one or more of the wood, of course, varies considerably in blocks, covering lightly all burning wood. This will not put out the fire; value, by the unit weight, and natural- it will only check the rate of burning, ly would be sold at a price different so that red charcoal will be found when the ashes are removed for the addition of fresh fuel,

Another point worth bearing in mind in connection with the burning of wood in place of coal is the difference in the amount of ash produced. A cord of

II. The New Body, the Church, Announced (vv. 17-20).

Peter had made a noble confession of Christ, so now Christ confesses him. If we confess Christ he will confess us (Matt. 10:32, 33). Christ declared his intention of bringing into existence a new body to the members of which he will give eternal life, and to whose hands he will entrust the keys of the Kingdom. Peter was to have a distinguished place in this body. The keys entrusted to him were used on the day of Pentecost, and again in the case of Cornelius. Association in this new body cannot be broken by death. for the gates of hades shall not prevail against it. This body, the church, is of a heavenly origin, a heavenly calling, and a heavenly inheritance.

III. The Cross the Way to the Throne (vv. 21-33).

This was, no doubt, startling to the disciples. They did not realize that redemption was to be accomplished through the passion of the cross. So unwelcome was this announcement that Peter cried, "This shall not be unto thee." Peter later saw through this darkness to the glory on the hilltop beyond. A new hope then filled his breast (1 Peter 1:3, 4). Victory through death is yet the stumbling almost any distance. block of many. Many are stumbling over the doctrine of salvation and redemption through the suffering of the cross. All such are under the control of the devil (v. 23). Salvation by blood, the devil hates.

IV. The Cost of Discipleship (vv. 24-27).

To follow Christ means suffering. To follow him is to turn one's back upon the world. Life can only be saved by losing it. If we are going to be Christians we must share Christ's suffering. We cannot go to heaven on flowery

1. There must be denial of self (v.

## Railroads Large Purchasers.

Railroads are the largest purchasers of crossties. Any station agent will furnish information concerning specifications and prices. Electric railways in cities and towns also use ties, but unless the distance to town is short it will not pay to ship them. Electric interurban lines offer the same opportunity for disposing of ties as do the steam roads. Telegraph and telephone companies are always on the market for poles. Electric power and electric railway companies also use poles.

The market for nilin

## When to Cut Timber.

In the majority of cases the best time to cut timber is in the winter months. Winter-cut timber seasons slowly and evenly, and by the time the warm weather comes is air-dried Products which must be peeled, hours ever, such as ties, poles, and tan back should be cut in spring, when the barries peels most easily. Veneer logs care be cut in any season of the year, peovided they are delivered without long delay after being cut, and the comare painted to avoid rapid drying and checking of the wood. Pulp wood tannin-extract wood may be cut and shipped at any season of the year.

UNCLE SAM AS HORSE OWNER

## New Stallion Farm Established Buffalo, Wyo., to Produce High-Class Animals.

(Prepared by the United States Departs ment of Agriculture.)

A new stallion farm, the only one of its kind in the country, was established by the United States department of agriculture in co-operations with the Wyoming Agricultural college, at Buffalo, Wyo., the 1st of July. It is to be known as the United Status-Wyoming Horse Breeding station, where the work that has been done for the past 15 years by the department in co-operation with the Colorado Agricultural college will be continued The object of the work at this station. will be to produce high-class stallions suitable for the production of utility horses adapted to western range and farm conditions. Stallions at this station are available for use by mare owners in the community, and from time to time they will be sent for service to different parts of Wyoming and Colorado. Stallions developed for the range weigh from 1,200 to 1,400 pounds.

## CURRANTS AND GOOSEBERRIES

Most Varieties Are Able to Withstand Severe Conditions if Given Some

Protection.

Prepared by the United States Depart ment of Agriculture.) Currants and gooseberries are very hardy and withstand extremely loss

be drawn upon first of all and ed by removing all the trees toring the land to grass. Also, ed corners of fields or patches witural land within the border wood interview.	a coal-burning equipment. The e firebox, of course, gives the difficulty, since in many cases hake it necessary to cut the overy small blocks. This trou-	valuable fertilizer potash. The pres- ent price of commercial potash, about	Self-denial is practiced everywhere by all people, but only the disciples of Christ or Christian people deny self. Christ takes the place of self. 2. "Take up his cross." This cross is the suffering and shame which lie	extensive, but railroads, large construc- tion firms, and docking companies pur- chase considerable quantities. Piling timbers, which must be straight and long, bring good prices. Mines are large users of timber.	A CONTRACTOR OF A CONTRACTOR
is thus largely or entirely met alue of the fuel thus produced. the increased use of wood fuel, likely to continue for several ed into a	he matter of adjusting the d arranging the grates is sim- burning stove can be convert- wood-burning stove by re-	Important always to keep wood ashes under cover, as they leach rapidly if allowed to become damp. New ashes should be allowed to cool before they are dumped on the ash heap.	<ul> <li>8:12).</li> <li>8. Follow Christ. This means to have the mind of Christ. to do like</li> </ul>	market for the particular kinds and qualities of the woods they handle. These industries buy their material in log form, and all the farmer needs to do is cut and deliver his timber in the rough to the mill. Veneer logs must be of good quality and usually 16 inches and over in diameter. Selected	Good horses are not cheap.
when he entered the doctor's at he didn't seem to care for and his nonchalance was soon for the assistant came out, the patients over and said to a arrival: "You are next." It avor, for he was soon	u would know it. Now, how e you suffered from it?" as s see. I inherited my money That fixed the date and the s able to go ahead with the veland Plain Dealer.	down before a player feeling that he will do justice to it, and thereby help the singer, the value of such skill is much greater than the ability to play a solo; and if you can transpose, a tone up or down your earning equip	One truly Christian life will do more to prove the divine origin of Christian- ity than many lectures. It is of much greater importance to develop Chris- tian character than to exhibit Chris- tian evidences.—J. M. Gibson. Our Life in God's Hands. Happy and strong and brave shall	stock brings a high price. The forest service has prepared bul- letins on the wood-using industries of a number of states which tell the uses to which various woods are put and the quantity used annually for each purpose. The forest service has prepared bulletins on the wood-using industries	If farmers were good salesmen they would be richer.
him cordiate the physician the circul	ars of the great schools of in t the art of accompaniment in	ment in the musical world is greatly increased. For general purposes this pranch of music is the most reserve of	we be—able to endure all things, and to do all things—if we believe that every day, every hour, every moment of our life is in God's hands.—Dr. Van Dyke.	of a number of states which tell the uses to which various woods are put and the quantity used annually for each purpose. A list of these bulle- tins and information as to how to pro-	to prevent sunburn. Celery that is to be stored in the cellar does not need to be blanched be