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U. S. TO STAND PAT IN NEW NOTE

Majority of Cabinet Favor Explicit Answer from Kaiser.

MUST STATE POSITION ON LAW

President Gets Views of Advisers and Will Pen Reply to German Answer—Will Be Ready Friday—Section of Cabinet That Opposed First Note Against Second.

Washington, June 2—President Wilson and his advisers, after considering Germany's reply in the cabinet meeting agreed on this general proposition:

That it is necessary to require Germany to declare herself on those principles of the laws of nations and humanity which have been invoked by the United States and ignored by Germany in her reply.

The probability is that the United States will ask for such an expression from Germany before consenting to any discussion of the alleged facts recited by Germany in reference to the Lusitania. A majority of the cabinet members are in favor of such a course and the understanding is that the president at present is inclined toward it. The opinion at the cabinet meeting was unanimous that Germany must meet the United States squarely on the vital and fundamental issues involved in the acts growing out of her submarine program before any adjustment of the situation can be hoped for. It was agreed that Germany has thus far wholly failed to satisfy the United States in this regard.

Will Submit Note Friday.
There was no effort made by the president at the meeting of the cabinet to determine finally the actual details of the next step which the United States must take in dealing with Germany. He contented himself with obtaining the views of his advisers and at the cabinet gathering next Friday he will submit to them a draft of a note expressing the conclusions reached as the result of his own views and those of his official family.

The only point of difference that developed at the meeting of the cabinet was as to how far the United States should yield to Germany's invitation to discuss alleged facts which she had put forward as bearing on the Lusitania case. A minority in the cabinet were able to see a relevancy in the facts assumed by Germany in this connection. These members are inclined to favor therefore a discussion and investigation of these alleged facts.

Will Deny German Facts.
It is significant that the element of the cabinet which holds that it is impossible to discuss Germany's facts until she has answered on the principles is the same group whose counsels prevailed in favor of a strong note being sent to Germany. With the president rests the decision on this issue but the belief in Washington is that the reply of the United States under no circumstances will go no farther in this direction than to deny categorically certain statements of alleged fact made by Germany.

They Do Indeed.
Perhaps it would have been just as well if Senator Huerta hadn't admitted that he knew who killed Madero. People do gossip so!—Indianapolis News.

Mexican Strategy.
The most strategic thing a Mexican general can do is to capture a telegraph line that has an end in the United States.—St. Louis Globe Democrat.

WATER AND LIGHT.

Why One Can See Deep Into the Sea When High Above It.

The reason why one is able to see to a greater depth in water when he is at a considerable height above it than when he stands on a level with it is because of the absence of pronounced refraction by the molecules of water. One above the surface of perfectly still water, looking exactly downward toward the center of the earth, will see an object deep in the water by means of rays of light that have been reflected vertically upward. Therefore there is no refraction or bending; the rays out of their straight course from object to eye.

But if you attempt to see an object at the bottom of a lake when standing on the bank the light has to traverse a much greater thickness of water, which quenches a portion, or maybe all, of the waves of light, and all not quenched are bent to quite a distance out of the original straight line. And the well known index of refraction of light (if of one kind) from water to air is 1.33, or the ratio of the sines of angles of incidence and refraction.

Proof: Place a straight stick in a basin, and it will appear to be straight as it really is; pour in water and the stick will appear to be bent by the phenomena attending refraction. For without refraction of light by glass, for instance, we could not have telescopes and microscopes.—Edgar Larkin in New York American.

ROOTS AND SILAGE.

Comparison of the Two in Rations For Milk Production.

[Prepared by Ontario Agricultural College.]

In the first place, it may be noted that the Maine, Pennsylvania, Ohio and Ontario experiment stations compared the yield of dry matter per acre from roots and corn. Maine obtained 3,415 pounds of dry matter per acre from Swede turnips and 5,580 pounds from fodder corn. Pennsylvania obtained 4,554 pounds of dry matter per acre from mangels and 6,793 pounds per acre from corn. Ohio 3,000 pounds dry matter per acre from mangels and 6,000 pounds from corn and Ontario 5,034 pounds dry matter from mangels and 8,135 pounds from corn.

So far as yield of dry matter per acre is concerned it will be noted that corn shows a marked advantage over turnips and mangels. By dry matter is meant what is left after all the moisture of the product has been driven off by heat.

The Ohio, Pennsylvania and Vermont stations compared the dry matter of corn silage and roots for milk production. The following, taken from Feeds and Feeding, shows results from these trials:

Milk from a hundred pounds of dry matter in corn silage and root rations: Ohio station, 1889, root ration gave 59 pounds of milk; silage ration gave 62 pounds of milk; Ohio station, 1890, root ration gave 59 pounds of milk; silage ration gave 60 pounds of milk; Ohio station, 1891, root ration gave 62 pounds of milk; silage ration gave 66 pounds of milk; Ohio station, 1892, root ration gave 60 pounds of milk; silage ration gave 76 pounds of milk; Pennsylvania station, root ration gave 57 pounds of milk; silage ration gave 82 pounds of milk; Vermont station, root ration gave 113 pounds of milk; silage ration gave 119 pounds of milk.

From the above results it will be seen that in every case but one the dry matter in the rations containing silage proved more effective in the production of milk than the dry matter in the rations containing roots. It is difficult to explain why such should be the case unless the dry matter in the silage rations was underestimated.

At the central experimental farm of Canada turnips proved more expensive and not much more effective than corn silage for milk production.

The Cornell station found that one pound of dry matter in mangels is slightly superior to one pound of dry matter in corn silage; also that one pound of dry matter in mangels is equal to one pound of dry matter in grain and that mangels may replace half the grain ordinarily fed in a ration composed of grain, mixed hay and silage.

At the Copenhagen station very extensive trials go to show that one pound of concentrates in the form of grain, bran and oil cake is equal to ten pounds of mangels; also that for cows one pound of dry matter in roots is equal in feeding value to one pound of Indian corn, mixed grains, or three-fourths pound of cottonseed meal. It was also shown that the water content of the milk was not increased by the liberal feeding of roots.

The results of tests quoted above are not exactly uniform, yet they all point to one thing—namely, that for dairy cows the dry matter of roots is not materially different in feeding value from the dry matter in other foods.

A Stalk Cutter.

I think I have mastered the stalk cutter problem, says a contributor to the Southern Agriculturist. Get a good log four feet long and twenty inches through and take the bark off. Go to town and get eight pieces of steel three feet ten inches long and nearly as thin as crosscut saws (old saws serve very well if you can get them); also sixteen pieces of iron rods one and one-half inches wide and the same thick. Take



both rods and steel blades to the shop and have four holes punched in each blade. Then have four more holes punched in the rods to fit twenty penny nails, but have them on the other side, so you can bolt the blades to the rods and then the rods to the roller. To make the shafts, take the crosspiece out of some old wagon shafts and cut same number in each rod, so the holes in the rods will fit those in the blades. Get two iron rods about a foot long and large enough to go through the hole in the end of the shafts. Drive into the roller, fastening the shafts to the roller, and by the time the rod has been driven in eight inches it will be abraded enough to stay in and hold the shafts solid. For a seat use a 2 by 4 crosspiece on the shafts at the crook. Behind the crosspiece or singletree bolt another piece of 2 by 4 about three feet long. Let this reach back over the roller and to it nail your seat. You can sit on the seat and brace your feet against the crosspiece to which it is bolted.

Utilize Potash.

Where the soil is in need of potash it should be applied. In the attempt to meet the need fertilizer manufacturers have agreed to utilize their present supply of potash in the effort to supply fertilizers with at least 2 or 3 per cent of potash next spring. It is believed that a supply sufficient for this purpose is already at hand in this country. In the meantime it is well to take advantage of our own supply of potash in our farmyard manures.

"THOU ART THE MAN!"

2 Samuel 11:1 to 12:7.—June 6.

The Honesty of the Bible—Temptations of Prosperity—King David's Terrible Sins—The Prophet Nathan's Parable. The King's Sense of Justice—Condemned by His Own Word—His Penitence—Forgiven, but Punished.

"Create in me a clean heart, O God!"—Psalm 51:10.

THE Bible is unlike any other book. It is most honest, most candid. The one most approved as a man after God's own heart is, when he sins, most severely condemned and most heavily punished. We are surprised that one who manifested so many noble traits should also have manifested such weaknesses as those condemned in this lesson—adultery and murder. We think of David the youth, his reverence for God, his faith, his loyalty, his trials, his difficulties; and we wonder how he could become so changed. The secret is apparent. It is easier to live a wholly consecrated life in poverty than when surrounded by wealth and the pleasures of the court.

We may be sure, however, that King David did not get into so sinful a condition of mind and heart suddenly. The narrative shows that the matter must have gone on for months, gradually reaching a culmination. Nor would it be fair to assume that the king's heart was as wrong as his conduct. Rather we must assume, from subsequent manifestations, that his heart was still loyal to God and the principles of righteousness, but somehow his flesh had become very much alive. He had before him the unfavorable examples of other kings. His relationship with God had made him keen of intellect, and this keenness was all the more effective in the evil course.



The Prophet Nathan.

A Courageous Servant of God.

David first coveted his neighbor's wife. He did not rebuke this sinful condition of mind, but allowed it to proceed until he stole his neighbor's wife. Her husband was in the war, a faithful servant. The emergency seemed to call for his death to protect the king from shame. King David's conscience was surely asleep when he ordered his general to put Uriah in an exposed place in the battle field and then to command a retreat, leaving those most exposed to be killed.

The plan carried out. It cost the life of not only the defrauded husband but several others. We can scarcely imagine how one of King David's loyalty to principle could have arranged such a plan or have had any pence under these circumstances. But Uriah was dead; his wife was made David's wife, and shortly their child was born.

Then appeared the Prophet Nathan before the king. Wisely bringing his reproof in the form of a parable, he told of a poor man who had but one ewe lamb and of how a wealthy neighbor had defrauded him of it. King David's sense of justice was outraged; and he declared that the culprit must restore four-fold and also be put to death. Then the Prophet, pointing to the king, declared, "Thou art the man!" and promptly drove home the lesson. It required courage; but whoever has a message from the Lord must have the courage to deliver it—as wisely as possible, of course, but faithfully.

Instantly King David's conscience was quickened. He saw his own conduct from the standpoint of the Divine Law of righteousness, truth, kindness, mercy. Indeed, under that Law, both the adultery and the murder were punishable by death. He instantly acknowledged his sin, and prayed, fasted and mourned. Meantime the Prophet, by Divine direction, informed him that because of his repentance the Lord would not cause his death nor withdraw all His loving kindnesses; but that, nevertheless, the child of his sin should not live and that the king himself would in after time suffer severe punishments for his transgression.

Here we perceive a principle of the Divine Government respecting those in covenant relationship with God. Justice would be required; but to the repentant soul the Lord's favor would, nevertheless, still be granted. Many Christians have had experiences along this line. God does not continue to treat them as sinners; but, accepting their heart conditions, He forgives them in that sense of the word; yet, true to His arrangement, " whatsoever



Nathan Reproving King David.

a man soweth, that shall he also reap." In this Divine arrangement the sinner is encouraged to accept Divine forgiveness and to reform his life, even though he bear some severe penalty—perhaps to his tomb.

The Psalm of Repentance.

Very many Christians have been encouraged by the Fifty-first Psalm. Its honest acknowledgment of sin assures us that King David was overtaken in some kind of fog which for months obscured his mental vision. Earth-born clouds and fleshly weaknesses arose like a great veil between his soul and the Lord. The lesson applies to all who have been in covenant relationship with God. It is important that we keep close accounts with Him, and go daily to the Throne of Heavenly Grace to obtain mercy and find help for future times of need.

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