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# The Golden Age 

## LABOR AND ECONOMICS

## Another Labor Conference

THE October labor conference went to pieces because three interests, labor, capital and the public, met together as interests, and from the first they each seemed to conclude that the most important mission of each party was to hang together, no matter what happened to the conference as a whole. We all see now that this was not the right way to go about it. There were some mistakes, too, in the personnel. It inflamed the situation to have Elbert H. Gary among the representatives of the public, while the steel strike was in full swing, and the larger mass of unorganized labor, including the profescions, was not represented at all.

Now the President has issued a call for another conference whose mission it will be, not to deal directly with any condition which now exists, but to search out the underlying causes, and propose a remedy that will avoid such deplorable conditions as those which have recently confronted the country.

The object of the conference is declared to be to determine some plan by which "our industries may be conducted with such regard for justice and fair dealing that the workman will feel himself induced to pat forth his best efforts, that the employer will have an encouraging profit, and that the pablic will not suffer at the hands of either class."

The new conferees, of whom there are seveneen, include ten government officials, such as bizet officers, governors and other pablic cials, two lawyers, two college presidents, $\Rightarrow$ railroad official, one merchant and one Hisher. It assembled in Washington, Decemifrot. It is ergeeted to aet in an advisory
capacity, as to legislation suitable to meet the present industrial situation.

The American Federation of Labor, apparently impressed with the thought that labor, organized or unorganized, is wholly unrepresented on the new board, has issued a call for a general conference at Washington, on December thirteenth, stating that labor is now confronted with dangers so grave as to affect the very foundation of its structure.

## British Labor Policy

THE British Government has announced a very liberal labor policy. Among other things it proposes the state purchase of mines, the social amelioration of the mining areas, admission of the miners to councils for the reorganization and economical management of the mines, and a free career to mining talert

It also proposes an inquiry and propaganda to promote increased output, the development and control of electric and water power sapply, a national maximom forty-eight hour week, a living wage for all workers, workers to have a voice in working conditions, workers to have a financral interest in their work, provision to be made for workers in periods of unemployment, the workers' homes to be made healthful and their transport expeditions.

Lloyd George, the British Premier, in announcing the British labor policy, made an utterance that is remarkable for its breadth of view. He said:
"Millions of gallent young men have fought for the new world. Hundreds of thousandis died to establinh it If we fall to honar the promise give to thetes wo dishonce ourrelven
"What does a new world mean? What was the old world like? It was a world where toil for myriade of bonest workers, men and women, purchased nothing tetter than squalor, penury, anriety, and wretchednessa world scarred by alums and disgraced by sweating, where unermployment through the vicissitudes of industry brought despair to multitudes of humble homes; a world where, side by side with want, there wis weste of the inecheustible richen of the earth, partly through ignorance and want of forethought, partly through entrenched selfishncss.
"If we renew the lease of that world we shall betray the heroic dead. We shall be guilty of the basest perfidy that ever blackened a people's fame. Nay, we shall store up retribution for ourselves and for our children. The old world mast and will come to an end. No effort can khore it up much longer. If there be any who feel inclined to maintain it, let them beware lest it fall upon them and overwhelm them and their honseholds in ruin.
"It should be the sublime duty of all, without thought of particanship, to belp in building ap the new world, where labor shall have it just reward and indolence alone shall suffer went"

## American Labor Ideals

AMERICA has lagged behind some countries $A$ in progressive labor legislation; yet a great deal of constructive work has been done, and plans are being tried out which give promise of splendid results, if they can be pat into general operation. We mention a few instances which have come to our notice.

The Clark Equipment Company, Buchanan, Mich., has made of its grounds a high-class park. $A$ complete greenhouse equipment, band and band stand, basketball, football and baseball teams and grounds, hospital for employes and families, coöperative store, and shop committees of employes for keeping in touch with the plant management, are features which tend to the promotion of tranquility of mind among the employes. The employes of the Clark Company are encouraged to become stockholders in the company, and when they do so receive special dividends apon their stock, in addition to the regular dividends paid to other share-holders. The Clark company builds and sells homes to its employes at cost of constraction.

The Lycoming Foundry and Machine Company, Williamsport, Pa., also has varions teams for athletic contests, an orchestra, a sick benefit association, a newspaper, life insurance for all employes, badges for long and continuous service, and a plan of bailding and selling homes to its employes similar to that used by the

Clark company, and proved equally successful.
The International Harvester Company, Chicago, has tried out a plan of having a House, composed of employes elected one from each department; a Senate, composed of the foremen; and a cabinet and executive, composed of the officers, after the plan of government of the Onited States. The House and Senate meet weekly, on company time, to discuss working conditions, safety, sanitation, wages, hours and piece work Any changes must be approved by all three bodies.

The constituency of the Hoase members is so arranged as to make sare that each voter is in personal contact with his representative. In small factories there is one representative to every twenty-five or thirty employes; in large factories one to every 200 or 300 employes. The effort is made to keep the House from becoming oversized and anwieldy, but the men have the utmost freedom in choosing their representatives, as otherwise the company has no way to learn the real opinions of its men.

Grievances in the plant are settled first between the employe and the foreman; or, that failing, between the employe, the foreman and the employe's representative in the House; or, third, between the representative and the superintendent of the plant; or, fourth, in the House and the Senate; or, fifth, by the president of the company. It is found advantageous to employ an executive whose business it is to see that there is no friction at any point in this indastrial machinery, which in actual test has been found to work splendidly:

Under this arrangement, the hoars of laber have been reduced from fifty-three hours per week to forty-four hours per week, without decrease in production, twelve hour shifts of certain employes have been eliminated, and piece-work rates have been rectified where it was shown that they were too high or too low in competition with other workmen engaged in similar operations. Standards of production, quality and cost, have been fixed for each department and wage dividends, on a fiftyfifty basis, have been paid to the men and thr company for increases in production above tr standard production. In some cases these wag dividends have ron as high as seventeen p cent, paid every other week in cash.

In some factories, production has been spe: ed up by an arrangement under which eight
ten men working together in a unit compete in production with other similar groups. This is called the group-production system. Bonases and prizes constitute special rewards for the workers in these groups.

Another method which has been tried satisfactorily is the setting aside of a definite percentage of the net earnings of the company to be divided among the employes in the form of wages. This resulted, in one case, in an increase of fifty per cent in wages to the men.

## Feare of Capitaliste

MANY of the capitalists of the country seem to have a well-defined fear that no matter what concessions they make to labor, or what effort to ameliorate the workers' social and industrial relations, they will make no progress toward solving the problem of labor's menacing attitade, and therefore they are talking about plans for resorting to force.

The Merchants' Association, New York, advocates that employes of public utility companies shall be enlisted like an army, so that employes would contract to work for a certain period, during which they could not legally quit or be discharged except as provided for. This looks like inviting a lion to accept a halter made of cotton twine.

Frank A. Vanderlip, former president of one of New York's greatest banks, is of the opinion that the nation can not permit the creation and growth of large labor combines which, if left unchecked, "would be in a position to threaten the foundations of American social and economic life". We have to "permit" many things.

General Miles, now eighty-three years of age, does not like the look of the way things are going. In an address at Shawmat Congregational Church, Boston, November eleventh, after remarking that in China the laborers work seventeen hours for five cents worth of rice, and in Japan earn but fifteen cents a day, with cighteen cents a day in the factories of Tientsin and twenty cents as a day's wage in Russia, he declared that if the state does not take suitable steps to curb labor agitators, he is in favor of resorting to mob violence.

Other capitalists, stadying the question, and noting that limitations have been put upon combines of capital, propose the limitation of labor combines, but a thing which they fail to mention in this connection in that the laws
accomplished little in preventing the combines. of capital, which is combined now in as great strength as ever before in history.

Still other capitalists acknowledge that we do have large corporations, and declare frankly their belief that the countries where the development of large corporations has gone furthest are those countries where the people enjoy the highest wages and the best conditions of life. They even go further and declare that, as a rule, the smaller the business is, the more insatisfactory the wages and working conditions.

## Labor Extremists

IT GOES without saying that labor has in its camp many men who are very foolish; men who think riches can be distribated withoat being produced, and who have the idea that somebody has a great, deèp, exhaustless treasury out of which fabulous wages could be paid forever without anybody patting anything into the bag; but the average workingman is not a nataral born fool and can be depended upon in the long run to act with reason and judgment.

One thing which has disturbed some capitalists is the situation in Australia. There labor has had full control of the states and of the commonwealth itself, and has the most elaborate and elastic system of boards and courts in the world, objects of labor's own creation, but with the continued growth of trade-unions in the commonwealth, the number and serionsness of strikes continue. It seems that the very class that placed the labor statutes on the books ignore them and resort to strikes to gain their ends. This is not fair to the pahlic, to their employers or to themselves.

Another thing which has disturbed some capitalists is the attitude of organized labor toward the proposed gift of Mr. Melville G. Henry, of Tacoma. Mr. Henry is a wealthy man, but in his declining years and in fecble health. He has a coal mine, estimated to be able to produce 1,000 tons of coal daily for a hondred years, and to be able to lay down coul in the tomas from Seattle to l'ortland at fourfifths of the freight rate alone now paid on coal brought in there from Wyoming. He offered this mine, free of all cost, to the labor unions of the Northwest, estimating that it would save $\$ 2,000,000$ to the laboring men of that country, but complains that his offer was coldly received, except by one tinsmiths' union.

Mr. Henry said that in offering the mine he had hoped to solve some of the problems of labor, because, to use his own words, "most people cannot realize the silent tragedy of the toiler. He does not live, but barely exists in most cases. There is a world fall of wealth if managed for all. I feel sure that now, more than ever before in these days of high cost of living, labor should own and control its source of supply of the most important necessities, even to owning its own dairy herds and fruit ranches." These are noble sentiments.

## 1he Public's Interest

WE ARE all interested in this labor problem. It is a self-evident fact that only a savage fights for his own interests regardless of those about him, and there is an obligation owed alike by the employer and the employe, to condact their affairs so that the community as a whole does not suffer. Senator Edge, of New Jersey, made $a$ wise observation when he said, "Labor is not the employe of capital (only), but of the people at large, of the whole United States, and the people are the employer of capital also.".

The membership of The American Federation of Labor is now 4,000,000, but this is only about one-sixth of the laboring force of the United States, so that the other five-sirths have to be considered in these questions. We must not forget that every time a reduction in output is made, some one's standard of living is reduced; and not infrequently this loss is passed on to some class that is not at all organized and is unable to bear it. It has been said, and we think trathfally, that reckless indifference as to whether the shop wheels turn or not is one of the great canses of the High Cost of Living.

We are just getting to the point where the ethics of the labor question is coming to the light. It is a time for thought and effort to do right, and not a time for passion. There was a lime when rebates were considered all right; now everybody knows that it was a contemptible piece of thievery. The public is waking up to the principles of right. A proposition has just been made to create a permanent industrial board in Washington to regulate industry in the manner in which the Interstate Commerce Commission regulates traffic. We think well of this suggestion. It is so good that it seems late in arriving.

The Senate of the United States, through its
investigation committee, has just recommended an eight-hour shift in the steel indastry. This was a step in the right direction. The twelvebour shift is a barbarism that can no longer be tolerated. Such hours break down the vitality of men and are extravagant even if paid for, because the increased fatigue of the worker is not compensated for by his increased earnings, and cannot be. He is worn out before his time.

So difficult and serious is the labor sitation that the Pittsburgh Leader solemnly says, "The people of America mast go down on their knees and ask for divine aid. We mast pray for those who exercise authority that they may be wise and just. We must pray that all of our citizens may be faithful to duty and obedient to law."

It is evident that the laboring people of the world plan its control. In England, in the manicipal elections, the labor socialists gained control of thirty-nine out of forty-three districts in London. All the industrial centers were captured by their candidates and they predice that they will control the government of England in the general elections next year.

At this time, it seems to us that those who have been stewards of earth's wealth and power in the recent past can do well to read with great care the parable of the anjust steward who was abont to lose his stewardship, and who was commended by his master because he recognised that that time had come, and did the wisest thing he could do under the circumstances. He yielded gracefully to the inevitable, and made himself solid with his former debtors by lightening their burdens. See Lake 16:1-15.

## Employment of Soldiers

THE Government has reported that of the $4,000,000$ men who were retarned to civil life since the signing of the armistice about eighty per cent were taken back by their former employers and only about 25,000 had been unable to secure employment of any hind np to the date of the report, in September. This is a very remarkable showing and indicates great prosperity in the country, with a desire to do the right thing by the soldiers on the part of employers. Occasionally there are disappointments. Not long ago five ex-soldiers robbed a Chicago bank and explained as their reason that they had been unable to get work. Of the 25,000 jobless ex-soldiers 10,000 are said to be in Greater New York.

## SOCIAL AND EDUCATIONAL

## Love d. Hate



IS THERE a wave of hate-a sort of moral influenza, as a result of the war, sweeping over the world Men have good reason to conclude that war breeds hate and more war and more hate, and earnestly study how to inaugurate some form of control that will stop the periods of marder madness.

Just as the war was breaking out, a great world's peace congress was assembled in Germany; its deliberations were cat short the first day, and its members fled. $\Delta$ few weeks before there was heralded all over the world: "Peace and good will to men"-" no more war, a new era has commenced". A new era had commenced, sure enough! The world is a cage of hawks. How can the doves of peace survive in it anless the hawks are chained!

All must admit that love is the essential quality in peace, and that hate is a quality which invariably causes war-the destraction of human liberty and order. The cultivation of love, even for one's enemies, is the basic principle of Christian philosophy. Even justice, wisdom and power are deficient withoat it; in fact, love is the very essence of life, and hate the agent of decay and death. We seem to have reached the climax of the principle (or lack of principle) of rale by human force, which only provokes hate unless absolutely just and loving. The machine gun, the riffe, the revolver, the bomb, the bayonet and the boycott are not the agents of effective persuasion, but of irritation, hate and retaliation. The machinery of government is obliged to be constantly augmented by more force in opposition-more hate. The working people are solidly organized against the capitalists; and the employers and the capitalists are solidly organizing against the working people-more force and more force, bat no love.

With man's nature unchanged, is there any prospect that organized human government by the use of force can put down all resistance and inaugurate perpetual peace, that insarrections and wars will ceasel History forbids any soch conclusion. The power of selfishness and
its sequence, hate, can not be put own by human force, althourb those who liaref formed the Leagre of Nations, a church aid state system apparently, may try it as it uns tried by a church and state system during the dark ages and failed.
Collective man's character is fixed-erystallized. Gcneration after generation of youths, while plastic, under kindly tutoring, molded to a humanitarian spirit, have not reteined it. How can the start be made: How get rial of the old environment-the old human inaturei Eren a. great military and police force and an extended judicial system are inadeqnate toprotect fully the property and lives of the law-abiding and the innocent. Predatory nations and gangs plander and murder worse than was ever known in the dark ages. Robbers in the daytime, on the streets of our populous cities, ply their inhuman calling.
Men have theorized that the race dould be educated, trained and evolved to a higher plane, preparing it for the coming of Christ, zeady to set up his kingdom. But when could the start be madel Millions of priests and ministirs, also religious teachers, following generation after generation, and hundreds of theological schools at work for nearly 2,000 years, and still the wars and the selfishness, the murders and robbery and hate have grown worse and worse! The theory that a clergy class or any other human class ean reform the world is forever and finally exploded. Phenomenal, superhuman, divine power, and that alone, can start the new order. The change must be positive and radical. The prayer which our Lord tanght his disciples, "May thy kingdom come, and thy will be done on earth as it is done in heaven', indicates to a certainty that the time will be when that change will come. "Man's extremity is God's opportunity". The problem has become so complex that there is no hope that man can solve it. Yet unless it is solved, soon the race will perish in a debacle of murder and starvation.
There can be no question, howerer, that in due time, when man is ready to admit that he has failed, divine power will take control ind stop all human rule by force and all diso der and
crime. This will probably take the form of the temporary physical paralysis of any one who attempts to harm his neighbor in word or deed; and no force will be needed or permitted by either haman governments or individuals. That would perfectly solve the problem. The hawks would be chained, and the doves would survive.

Thus gradually the quality of selfishness and hate would be eliminated from all except the incorrigible, those who would not or could not refiorm. Pent up hate and selfishness in their case being the active agents of decay, they would drop off in death. But those who desire to reform, and those who had a large measure of the spirit of love and obsedience, would not chafe under restraint; they would survive and prosper. Gradually the new order, the kingdom of heaven, would begin to be instituted in a natural way. The Scriptures show that this is the way in which our Lord's prayer will be answered in due time, and that then gradually all that have died will return (recreated) from the grave.-John $5: 28,29$.

Pathologists are making astonishing advances in discovering the causes of disease and the means of prolonging haman life. They claim that it is not impossible to find some means of preventing the cells that compose the human trody, from breaking down. Once that means is discovered, they claim, the problem of endless life is solred. It is well known that loving, happy dispositions conduce to long life; and divine love being so vastly more vitalizing than human love, under the couditions prevailing in the kiugdom of heaven on earth we might reasonably assume would be the means of preventing the cells from breaking down.

Scicntific attainment along all lines is miraculous these days. Astronomers, geologists, electrical specialists and chemists note in their line great changes pending in the physical world, changes destined to increase vastly the vital energy which can be evolved from matter or by it, and to remove certain devitalizing agents that have for thousands of rears had an adverse infuence on organic life on the planet. In fact the earth has never been completed, and the haman race has ever been living under abnormal conditions. But shortly mankind will for the first time experience what living on a completed earth onder a perfect divine government will be-c'the desire of all nations".

Only a little more than 4,000 years ago the polar ice caps on the planet aggregated approximately $11,000,000$ square miles, devitalizing human life almost to the point of extinction. Ice is a rery great devitalizing agent. The polar ice caps now aggregate only about $7,000,000$ square miles. Normal conditions are asserting themselves; and the ice will, in the not distant future, all be gone. Then the meteorological conditions on the planet will become perfect.

The clouds are dark and threatening now all over the world; but the sun is shining behind them. "Sock rightcousness, seek meekness: it may be ye shall be hid in the day of the Lord's anger." "My determination is to gather the nations, that I mar assemble the lingcioms to pour upon them mine indignation, even all ny ficree anger; for all the earth [sclfish social order] shall be devoured with the fire of my jealousy [not literal fire]. For then [after this] I will turn to the people a pure language [the truth] that they may all call upon the name of the Lord to serve him with one consent." (Zephaniah $2: 3 ; 3: 8,9$ ) "And God shall wipe array all tears from their cyes and there shall be no more death, neither sorrow nor crying, neither shall there be any more pain; for the former things are passed array. Behold I make all things new.'-Revelation 21:4, 5.

## College Boy Police

ACCORDING to School and Socicty, when A the Boston police left their positions the following invitation by Professor E. H. Hall, of the Harvard physics department, appeared in the Boston Herald:
"Come back from your vacations, young men; there is sport and diversion for you right here in Boston!';

President A. Lawrence Lowell, of Harvard, issued this bulletin:
"In accordance with its traditions of public service the University desires in a time of crisis to help in any way that it can to maintain order and support the laws of the Commonrealth. I therefore urge all students who call do so to preparc themselves for service as the Governor of the Commonwealth may call upou them to render."

Later he stated:
"Students willing to volunteer for police duty are asked to report to Superintendent Pierce. The fact should be emphasized that these volunteers are rcporting simply as citizens of the Commonwealth in reapanse to a call fiom the Governor."

## MANUFACTURING AND MINING

## Drilling and Pumping Oil

By Terry P. Wecoer

PETROLEUM from Sicily was burned in the temples of Jupiter before the beginning of the Christinn era, and petroleum from the Caspian Sea deposits about Baku has been the soarce of the "holy fire" burned for centaries in the temples of India. The famous petroleum spring at Cuba, N. Y., was mentioned by missionaries nearly three handred years ago, and petroleum was sold as medicine down to the time of the discovery of the process of refining the crude oil so that illominating oil could be obtained from it.

The first efforts at obtaining petroleum in the United States were confined to collecting the oil from surface springs. Nine barrels were thas obtained in Western Pennsylvania in the spring of 1858 and were sold promptly in New York City for $\$ 275.19$. The first oil well was sunk at Titusville, Pennsylrania, by Col. E. H. Drake, and at a depth of $69 \ddagger$ feet he struck a vein of oil which rose to within ten feet of the top of the well. Daring the next four months the well produced 2,000 barrels, which sold readily at $\$ 20$ per barrel. The production of all wells in the country amounted the next year to 500,000 barrels; in ten years it had risen to $5,000,000$ barrels; in 1880 it was $26,000,000$ barrels; in 1900 it was $63,000,000$ barrels; four years later, with the advent of the automobile, it was $120,000,000$ barrels. Oil and gas were formed similarly to coal. Copious vegetation, replete with carbonic acid gas, was laid down in deposit, covered and confined, and subjected to decay, subsequently formed oil and its fumesnatural gas. Gas, however, is not the fames of oil alone; for it is frequently found in regions indcpendent of oil.

No longer in use is the four-cornered fally closed-in tower, bat the great, convenient, seventy-four feet standard rig; no longer the diminutive stem, bailer, jars and bits that, conveniently bound together, constituted only a fair lurden for tho back of the hasky tool dresser; bot great massive tools that require to be handled by power cranes; no longer the twenty feet of hole per shift of twelve hours,
but one hundred twenty feet in the same time; no longer the 691 foot hole bat an average, in Pennsylvania, of 1,800 feet.
Here, for example, is a brief history of Bradford Oil Company's No.46. The first forty fcet were pat down 16 inches in diameter through loose earth, mud and soft slate; and a wooden box or tabe, called the "conductor box", was inserted to the bottom, to keep back the foreign matter from the hole. This first hole is called the spudding hole, because drilled by what is called the "spudding" process.

At the bottom of the spudding hole a hole 8 inches in diameter, called the "big" hole, was started and continued through all the waterproducing soils and rocks to a depth of 350 feet. Here the well was cased with iron pipe 64 inches in diameter, set firmly on the bottom and reaching clear to the surface.

At the bottom of the big hole another hole $6 \ddagger$ inches in diameter was started and sunk to the bottom of the oil-bearing strata. The oil sand of this particular well was 75 feet thick, of a rich brown color, very soft and fine, and highly productive of oil and gas.

The drilling of an oil well is a man's job; it is no job for a seller of hair ribbons and perfumery. The old-style method of drilling was by use of a steam engine; and these are even yet largely used, though some prefer the gas engine because it stands the strain better. The heavy tools are laboriously lifted to a generons height and then suddenly dropped back into-the hole. Between lifts the engine speed is greatly accelerated, becanse it has nothing to do. Therefore the engine room of a drilling rig is an exciting place.
Shooting the well is no ladies' job either. The old-time oil-well shooter travelled at night in a bugsy, carrying with him enough nitroglycerine to shoot his next well. If the horse ran away or if he struck a rough spot in the road, they filled in the spot the next day and sent another man the next night with another load. When No. 46 was shot, they touched off 100 quarts of nitro-glycerine in the oil-bearing strata at one time. Nobody has ever been down a hole to see just what happens under such
circumstances, bat the effect seems to be to loosen ap things somewhat and atart the oil to flowing, if there is any to flow.

After the well is "shot", tubing two inches in diameter, properly equipped with "working barrel" and "standing valve" at the bottom, is inserted to the bottom of the hole. How would jou go about it to put an iron pipe a third of a mile long down a much larger iron pipe? Would you first screw the pipe together on the ground and then lift it up and drop it into the hole1 If you tried that plan would sou not be afraid it would bend a little before you got it straight up in the air?

Or would you just hold the pipe down the well with one hand and screw in the lengths one after another with the other hand, gradually letting down the pipe until you struck bottom 1 But sappose you got tired and dropped a few lengthe or a quarter of a mile of pipe down the well! How would you get it again? Well! You can let the oil man worry about that. He knows how to do it, and without losing any of his precious oil, or even any of his precions gas. Bat it is no job for one of the weak sisters.
After he has his tube down the well the oil man pats in his rod, equipped with another sort of valve, and this, too, has to reach all the way from the top of the bottom of the well. Then he is ready to pump. This rod is called the sucker rod. By means of surface rods any number of sucker rods can be operated from a single power house conveniently located with reference to the group. Compressed air is also much used for pumping, and has some advanLages over any other method.
The average price of Pennsylvania crude petroleum has been aboat $\$ 2.50$; now it stands at $\$ 4.25$ per barrel, with small probability of a decline. The average production per well is today approximately half a barrel per day. A small operator with twenty producing wells has a very comfortable income, while one with fifty wells has the foundation for a fortune. A gusher may make a millionaire orer night, but Pennsylvania has probably had its last great gasher.
The first place where petroleam is mentioned in the Bible is in the account of the construction of the Tower of Babel. There the partially evaporated fluid is referred to as "slime".
"And they had bricks for stone, and slime
had they for mortar." (Genesis 11:3) The first battle of history occurred amid the "slimepits", the oil-bearing strata at the head of the Dead Sea. "The vale of Siddim was full of slimepits; and the kings of Sodom and Gomorrah fled, and fell there''-Genesis 14:10.
Curiously enough, bricks cemented together with dried petroleum have been found in large quantities in Nineveh and Babylon, and the oil deposits in the valley of the Detad Sea are now being developed. It was these oil-bearing and sulphur-impregnated shales that supplied the "brimstone and fire" which destroyed Sodom and Gomorrah. (Genesis 19:24) We are glad to have the prophetic assurance that those people of Sodom, destroyed so many years ago, shall yet "return to their former estate", (Ezeliel 16:55) on the borders of the inland sea where they once lived.

## Quicksilver Scarce

PERSONS owing thermometers can look at P the quicksilver in the bulb and comport themselves that there, at least, is something that is not lessening in value. Those needing thermometers should take note that quicksilver is worth $\$ 1.27$ a pound and going up, because it is becoming scarce.
Quicksilver is one of the semi-precions metals. In the United States it is found at New Almaden, California, and comes from Almaden, Spain, where it is separated from the sulphor in cinnabar ore, by a current of hot air arranged so as to burn the sulphur and leare the mercury, or quicksilver, in the metallic state. The tendency of quicksilver to unite with gold into an amalgam causes the chief use of the metal beside the familiar one in the thermometer. The mercury is spread over a copper plate, over which the gold ore is washed; the gold from its weight comes in contact with the plate and is promptly amalgamated with the quicksilver, from which it is separated by heat. Another familiar use is as a medicine when rubbed to a fine globular powder with rose water, under the name of blue mass. Among the chemical compounds is bichloride of mercary, made by heating a mixture of mercaric sulphate and common salt, which is sometimes taken as a poison, and results in painful and lengthy nuffering and in death.
Quicksilver is also essential to the manufacture of high-class mirrors.

## FINANCE.COMMERCE•TRANSPORTATION

## Porelga Erchange

THE पnfavorable condition of foreign exchange and its effect on foreign and domestice trade and on manufactures and agriculture have been much in evidence in the newspapers; bat it might as well be so much Greek, for some af the pablic who do not understand enaugh about foreign exchange to know what is wrong.

Forcign exchange is the medium of exchange for business between, for example, this country and England. It is not the exchange of money, far currency or gold is employed as little as possible, but is such an exchange as takes place when one dealer pays another by check; no money passes, but a transfer of credit is made on the accounts of a single bank, if both dealers use the same bank, or between two banks if they employ different banks. Foreign exchange employs paper or drafts, something like checks, called bills of exchange.

A transaction in foreign exchange requires four parties; a merchant, M, and a broker, B, in this country and a merchant, BM, and a broker, BB, in England. Merchant $M$ sells goods to merchant BM. Instead of sending the bill direct, merchant $M$ sells it, with a draft an BM, to broker B, who is baying sach bills constantly. This gives merchant $M$ the money and gives broker B a credit payable from England, which becomes part of his fund of jike credits. Broker B does not collect direct from British merchant BM, but send the bill with draft attached to British broker BB, who presents the draft to merchant BM; who pays the bill to BB. This completes the transaction. Like transactions where merchant BM sells goods to merchant $M$ are executed in reverse order. The grand total of transactions is larger on one side than on the other, and the difference is periodically settled by shipments of gold. A person wishing to remit to England without having sold goods can parchase a bill of exchange out of the fund of credits of braker $B$ and mail the bill of exchange direct to England, where the receiver collects the money from broker BB.

Ordinarily a dollar is worth 100 cents in gold, and a British pound is worth 486 f cents in gold.

The pound is now worth only about 404 cents in gold. Foreign e change is figured so that an equal amount of money of both coun ries. Some bills of exchange are cabled across, and there is no interest to be taken into account but bills payable in thirty days, or other peliod, take into account the interest payable for the tying ap of the funds for that time. Othdr items carefully figured in are insurance, freight, packing, commission and wear of the gold coin, as though it were shipped. If the pound is fuctuating in value, it may go up or down, daring the period; and the broker selling the exchange figures the risk in as part of the cost of the exphange. Quite a high charge is made on time bills of exchange for remittances to conntries where the local currency is making wide and frequent flactuations.

The value of the exchange of different countries is published daily in financial pages of the newspapers, and exchange bankers are continually kept advised pf changes through the day. The value of exchange for France and some other countries is figured as $s 0$ many francs for 100 cents in gold. If a conntry's currency is inflated it will be porth less cents to the franc, lire or other unit, and will require more units to equal 100 cents in gold.

Another factor produces fuctuations in exchange: Exchanga when bought and sold by the hankers becomes in effect a cammodity and subject in price to the law of supply and demand. If, for example, there are twice as mach goods shipped to France as are shipped from France, French merchants will owe more than they are able to pay without the bankers' shipping gold. French merchants having bills to meet for goods received will compete for the available exchange, and will bid the price of exchange up, so that they will offer more francs for 100 cents in gold than the local value of the franc would warrant. This amounts to paying more than the billed price for the goods, makes the goods cost more, reduces the profits of the French merchant, and hinders him from ordering goods from Anderica, on which he may lose money. If there is too great a "balance of trade"' in favor of this conntry, and the foreign
merchants are unable to pay the balance with bills based on goods shipped by them, or with gold, the trade between the two countries is reduced to the figure where the imports and exports and the corresponding bills of exchange balance each other. Each country has a certain stock of gold, most of which is needed to sustain the value of the local currency, and part only can be shipped to pay for bills of exchange. The government cannot afford to permit too mach gold to be sent out of the country, or the currency would become disorganized and, the gold foundation being removed, may drop to a very low figure or become subject to wild fluctuations, especially if the government prints an excessive amonnt of paper currency not based on gold, to take the place of the gold which has been shipped away.

In catreme instances when the scarcity of exchange is excessive and cannot be overcome with counter shipments of goods or gold, as at present between this country and Europe, the discrepancy can be overcome by this country's loaning Europe amounts enough to balance the nnavoidable difference. Europe pays this country out of the money loaned, and securities, on account of which it was proposed to loan credits of from one to five billion dollars to Europe in order to keep trade going there and here.

If the matter cannot be balanced op with goods, gold or loans, foreign trade has to fall in volume and become equal between the countries. In this country this would cause the decline of the great prosperity in manufacturing, mining, agriculture and trade enjoyed since the carly summer of 1919. The consequences would be too serious to be readily invited-such economic, industrial and social effects as flow from factories wholly or partially shnt down, men out of work, and the increase of poverty, discontent, anrest and of revolutionary sentiment. The effect would be felt both sides of the ocean and would be serious. It would not be properly remedied by turning over the management of affiairs to men who did not understand the intricacies of commerce.

If the balance can be restored between the comntries, the valuc of exchange will rise to its normal figure. Rising exchange stimulates trade, because merchants deal under the opposite risk of falling or fluctuating exchange, and have the same chance to make money that a local dealer has in a rising market.

The problems of commerce and exchange aro liable to become too great for even the experienced minds that are working upon them. They. are part of the conditions that were foretold by Christ, when he said, "There shall be upon the earth distress of nations with perplecity," (Luke $21: 25$ ) and when the old Hebrew prophet said, "That they may do evil with both hanids earnestly, the prince [profiteer] asketh and the judge [ruler] asketh a reward [graft or honor]; and the great man uttereth his mischievous desire [for a share of the spoils]; so they wrap it up [arrange it]; the best of them is as a brier; the most upright is sharper than a thorn hedge; the day of thy watchman and thy visitation cometh; now shall be their perplexity.' Micah 7:3, 4.

## Pig Iron Hard to Buy

WOULD-BE buyers of iron are reported to We finding it hard to get. Several factors look toward some rise in the price of pig iron, such as the strikes affecting iron, steel, coal and coke, and the hage demands of business; and furnace men are unwilling to sell much iron at present prices, when the possible artificial scarcity may send the price up and cause a relative loss on iron sold now. Buyers are eager enough to order the metal, but sellers prefer to wait. The prosperity in the pig iron business is an index of prosperous conditions for some months to come; especially is this true when a rising tendency in prices show an unsatisfied demand, and more business going on than can be supplied with iron.

## Aviation by Dirigible

DURING the World War a German dirigible flew from Bulgaria practically the whole length of Africa and retarn without mishap. Some of the Zeppelins were 800 feet long, with speeds of 80 miles per hour, and carrying capacity for 500 passengers. It is believed that in this type of machine lies the future of aviation as a field for legitimate transportation.

The dirigible can be built to fly around the world without landing, can stop for repairs in mid air, can descend slowly in a fog, or can rise above fogs or storms if desired. The airplane does not have these advantages, and engineers are now seriously considering the establishment of aviation lines in which dirigibles will be used exclusively.

## POLITICAL—DOMESTIC AND FOREIGN

## Nationalism in Russia

AWIRELESS dispatch from the Russian A Republic claims that two thousand industrial establishments have been nationalized by them, or about eighty-two per cent of all the industries in the country. It is very difficult to obtain from the daily press any adequate idea of what the Russian people are trying to do; and perhaps the newspapers themselves do not know, and are contenting themselves with raising a general howl in lieu of giving out real information on the subject. It looks from the above dispatch as though the Russians are trying to work ont the problem of what is called Nationalism. In 1897 the Nationalists put forth this claim:
"The combinations, trusts and syndicates, of which the people at present complain, dermonstrate the practicability of our basic principles of association. We merely week to push this principle a little further and have all industries operated in the interest of all, by the nationthe prople organized-the organic unity of the whole people.
"The present industrial systen土 proves itself wrong by the immense wrongs it produces; it proves itself absurd by the immense waste of energy and material which is sdmitted to be its concomitant. Against this system we raise our protest: for the abolition of the slavery it has wrought and would perpetuate, we pledge our best efforta."

While it has some favorable points, Nationalism as a whole is quite impractical. Although Nationalism does not, like Communism, directly threaten the destruction of the family, its tendency would surely be in that direction. Among its advocates are many broadminded, philanthropic souls, some of whom have helped, without hope of personal advantage, to found colonies where the principles of Nationalism were to be worked out as pablic examples. Some of these colonies have been ntter failures, and even the practically successful have been forced to ignore Nationalist principles in dealing with the world outside their colonies ; and, as might be expected, they have all had considerable internal friction.

Several colonies on this Nationalist plan have started and failed in the United States. One of the most noted failures is that known as the

Altroria Colony, of California, founded by Rev. E. B. Payne, on the theory "One for all and all for one." It had many advantages over other colonies in that it picked out its members, and did not accept all sorts. Moreover, it had a Lodge form of government of very thorough control. Its founder, giving the reasons for the failure, in the San Francisco Examiner, said:
"Altruria wis not a complete failure; we demonstrated that trust, good will and sincerity-which prevailed for a part of the time-made a happy community life, and on the other side, that suspicion, envy and sclifish motives diabolize human nature and make life not worth while. Tr did not continue to trust and consider one another as we did at first, but fell beck into the wass of the rest of world."
What some people demonstrate by experience others know hy inductive reasoning, based apon knowledge of humen nature. Any one wanting a lesson on the futility of hope from Nationalism while selfishness still controls the hearts of men, can get his experience cheaply by boarding for a week each at three or four second-class "boarding houses".
About September first, General Maurice, the great London military critic, said in the New York Times:
"The only hope I of overcoming Bolcherism by force of arms is through a long, alow process of exhaustion. That process is at work, and will continue to work as long as we continue to cat off rupplies of food and munitions from the Bolsheriki and fornish their opponents with both; but it will not be rapid and it will be costiy."
Maybe we are not as wise as General Maurice. Certainly, if what he seeks to overturn is what has been tried several times without success in this country onder the goise of Nationalism, it is far more likely to overturn itself than to be overturned by force. It takes some people a long time to learn that the one sure way to bring great success to a difficult cause is to persecute it. Persecution causes investigation, and investigation of a new thing is more likely to bring to light its good points than its defects.
So deep-seated are the laws of constitutional selfishness, and so certain are their operation that, if all the rich were dead today, and their wealth distribated pro rath; those laws would
within a few years reproduce the very conditions of today. And any system of laws that the majority of men might enact, which would deprive men of the opportunities for exercising their acquisitive and selfish propensities, would sap the life of progress and rapidty tarn civilization back toward improvidenee, indolence and barbarism.

The only hope for the world is in the kingdom of our Lord Jesus Christ, the Millennial kingdom. It is God's long promised remedy, delayed until its due time, and now, thank God, it is nigh, even at the door. Man's extremity will be God's opportunity, at a juneture when human ingennity and skill have exhausted themselves in seeking relief without avail. "The desire of all nations shall come."

## Uncle Sam's Boys Abroad

THERE is an apparent difference of opinion between the Congress and the executive department of the Government respecting the places in which United States troops may be nsed. Congress alone has the power to declare war; yet the Secretary of War holds that the President alone can determine where United States troops are to be used, and that no authoriration for the use of United Ststos troops in Siberia was needod. If the President or the Secretary of War can legally place troops in Siberia they would seem to have equal rights in Mexico, Canada, Japan, China, England, France or olsewhere, actually producing a state of war to which Congressional sanction would be a mere form. The Constitution evidently did not contemplate this, and Congressional leaders, led by Senator McCormick of Dlinois, are now protesting against the further use of United States troops in Earope or Siberia without instructions from Congress. The Versailles treaty with Germany provided that American troops shall be maintained in Europe for fifteen years. The League of Nations, if adopted, would have legalized this.

The pressure for return of American soldiers from Siberia was hastened by the flogging of Benjamin Sperling, a Brooklyn soldier, by Cossack chiefs in Eastern Siberia who are nominally responsible to Admiral Kolchak, the ruler pro tem of Western Siberia, but who are actually mere instruments of Japan on her westward mareh into Siberia The Kalchak Govern-
ment has apologized for the outrage; and the Japanese Government is expected to do so, as it is believed to have been the mare responsible. The American troops in Siberia are understood to be under instructions to stay there but not to fight.

There is $n o$ doubt that we are at a place where the polioy of our Government must be definitely fixed respecting European affairs, and especially the use of our soldiers in connection with those affairs. American forces in the Adriatic, acting under the general orders of the British Admiralty recently drove out of Tran, Dalmatia, Italian troops that had been landed there in the attempt to seize the port without the consent of the Paris conference. This brought upon us the displeasure of many Italians who naturally blame us for depriving them of one of the things promised to them in the secret treaty under which they entered the war. They cannot understand why their secret treaty should be set aside while the Japanese secret tresty respecting Shantung is considered sacred.

Concerning the Government's recently announced parpose to send 7,200 men to France to replace troops aboat to retarn, and the further announcement that some of these troops would probably be used in Silesia (on the borderland between Germany and Poland) in connection with the voting about to take place there as to whether Silesia is to be inoluded in the new Poland, Senator Moses, of New Hampshire said:
"The arders for our troops to go to Sileaia are simply carrying out the general acheme adopted by the President at the Peace Conference of making the United States a party to all the internal disputes of Europe. If the trenty should be ratified in its present form, this would be an everyday oecurrence."

We know that at heart our President does not believe in the United States concerning itself with the Silesian coal mines or other strictly European affairs. We remember that he was elected the last time because he kept us out of the war. He stated just prior to that reelection that it is "the fired and traditional policy of the United States to stand aloof from the politios of Europe", and gave expression to the fear that the saccess of his political opponents would mean "that we shall be drawn in one form or unother into the embroilments of Earope."

Wo believe that it is gead govermental polie
for the United States Government to avoid entangling itself in the border disputes and other local affairs of Europe and European countries. We have a reason for this. It reads: "Let none of you suffer as a busybody in other men's matters." ( 1 Petcr $4: 15$ ) It is quite as true in national life as it is in private life that most people have sufficient to occupy them in attending to their own business properly; and if they give sufficient attention to the business of others to be competent to meddle in their concerns they are sarely neglecting to some extent their own affairs. One of the best ways to help along the Golden Age is to mind our own business and encourage others to do the same.

## Belgium Getting Stronger

$\mathrm{A}^{\mathrm{s}}$BELGUIM was the first country to suffer in the war so it is one of the first invaded countries to show signs of recovery. While it is a great industrial country, yet it is also one of the most closely tilled countries in the world. Its agricultural interests did not suffer to any appreciable extent daring the war or since. The farmers received fabulous prices for their products, and still receive them.

The coal mines of Belgium were undamaged by the war and are now said to be producing eighty-four per cent of their pre-war total, which permits the export to France of 300,000 tons per month and considerable quantities to Holland, Switzerland and Italy.

Doring the war one-half the blast furnaces were deatroyed and half the ramainder were damaged, so that at present only one-fourth of the blast furnaces that were in operation in 1914 are in blast now.

Clearances through the port of Antwerp are said to be about one-third what they were before the war, and this presumably represents in a fair way the general condition of the country.

The transportation situation is in pretty good shape, the Germans having returned the rolling tock which they carried away, together with much other railway equipment. Passenger traval is about the same now as before the war.

Hundreds of the great Belgian factories are still idle, and a great many of the old employes of these factories have been lured to France by the higher wages. Repairs for the factories ure difficult to obtain, and in many cases their wnort have been rnined and are unable to ro-
gain their former business. Full recovery will entail a long, hard fight.

The Belgian Government is doing the right thing by farmers whose lands were within the fighting zone. These lands are being leased to the Government at five per cent of their pre-war value, the Government gaaranteeing to return them to their owners in a few years' time in as good condition as before the war.

Fall recovery of the country is impeded by the peanut politics of the clerical party, which, in the effort to retain its hold as the majority party of the Government, is trying to discourage the use of the French language, by which the Belgian people, have hitherto kept in toach with the progress of the world.

The valus of Belgian property destroyed during the war is estimated at $\$ 7,000,000,000$, or about $\$ 1,000$ for every man, woman and child in the country. The national debt is now onehalf that amount. There is a plethora of paper money, and prices are sky-high.

Though Belgiom is so small, being only about the combined size of New Jersey and Delaware, yet its population is equal to that of the whole of New England; and its rivers, although they are short, are so important that fifteen of them have been canalized. These canals are all in use.

The glory of Belgium is in its agricalture, the Belgians being universally considered the model farmers, or, we should say, gardeners, of the world. Nearly all the farm work in Belgiom is done with the spade, and the whole land is one vast garden. Every farm is fully stocked, bat the cattle are not turned out to graze. They are fed on green crops, arranged to come forward in regular succession. Every particle of liquid manure is collected in a tank sank in the floor of the cattle shed. It is these liquid manures that have made Belgium the garden spot of the world.

Belgium seems to be the one country which, having at first accepted the Reformation doctrines, was driven by persecution back into the Roman Catholic Church and has since remained there, with apparently no desire to again look inte "the perfect law of liberty". (James 1:25) In our opinion the grcat war and the present struggle of the clerical party to maintain itself in power will result soon in a real and great Reformation in Belgium. And we think, too, that this Reformation will make itself felt in every part of the world.

## European Food Situation

FROM the signing of the armistice to the end of Jane, 1919, Mr. Hoover, the world food administrator, sent relief foods amounting to $\$ 770,000,000$ to twenty-one European countries. Without this food the people of Europe would literally have been starved.

Europe paid for the food, and paid high prices for it. American bacon sold to the Germans at as high as $\$ 1.60$ per pound. At present the warehouses of northern Europe are packed with food of all kinds, which is in danger of spoiling because there is no market for it. It is not that the Europeans do not want the food, bat they have not the money to pay for it. Mr. Hoover estimates that to release this food to the hangry nations that desire it would require a credit of $\$ 4,000,000,000$. But credits to a Europe that is virtually bankrupt and facing revolution, do not fill the professional American financier with any special enthusiasm.

In August of this year, in the city of Chemnitz, Germany, ninety citizens and soldiers were killed, and two handred and fifty wounded, in food riots in which the famished rioters killed the horses of the soldiers and divided their flesh among the people.
An unexpected reversal of the usual experience occurred when the relief expedition tried to sell flour in the southern part of Russia. They found that local flour, scarce as it was, was selling in the open market for about two-thirds that asked for the American florr, and were obliged to take it elsewhere to dispose of it.

## Universal Training

UNIVERSAL military training has been proposed as a convenient method of providing a trained soldiery for the protection of the country in case of future wars. Plans for this vary from the Swiss plan of six months training spread out over a period of eight years, to the so-called West Point plan of requiring one year's continuous training for all youths of eighteen, military court martials for all viola. tors of military law, and organization into an army reserve at the close of the period of training. It is conceded that universal military training would save the lives of many men in case of war and that it builds up the physique.

In New York State, under the Slater act, passed in 1916 and amended in 1917 and 1918, all boys in the state above the age of sixteen
years, and not over nineteen years of age, are required to report for military training "not more than three hours in each week' for fortyone weeks in each year. In New York City the time spent in training is one and one half hours per week, including the use of arms, disciplinary exercises, close order drill, skirmishing, signalling, teamwork, personal hygiene, sanitation, first aid, and military customs. Schoolboys are trained in the afternoons, and boy laborers after $5 \mathrm{p} . \mathrm{m}$. Employers are required to see that every boy they take into their business is registered for training.

The movement torrard universal military training is a natural outcome of the World War, and yet it was the universal military training of Germany that plunged the world into the war. The Prince of Peace will have a more effectual method of preserving peace than training everybody to fight. There is always the fear that if yon train people to fight, they will sooner or later fight whether it is necessary or not. "In his day shall the righteous flourish; and abundance of peace so long as the moon endureth." -Psalm 72: 7.

## Ten Million Under Arms

CHINA is said to be contemplating a system of oniversal training which would give her at all times ten million men under arms. We would suppose that China would have learned something from the experiences of Europe; bat perhaps it is a little too early for the Chinese to see that their past course has been the wise one and that their proposed course is most foolish, dangerous to their own peace and to that of the rest of the world. "Blessed are the peacemakers" (Matthew 5:9), and it should require a large amount of argument to persuade any sensible person that ten million armed men constitute a peace-promoting body.

## South African Natives

TN THE general awakening of the world 1 incident to the World War, the natives of South Africa are discovering that out of 94,000 natives who went to the war, 40,000 were left baried, while those who returned are debarred by law from purchasing land, from employment in skilled indastrial work, and from church membership in the Dutch Reformed Chorch. In Bible times the black races wery treated like human beings. See Acts 8:27-39.

## AGRICULTURE AND HUSBANDRY

## Farming for Nothing

FARMERS are making some money, but when the amount paid by the public is compared with what the farmers get, some of them feel as though they were farming for almost nothing. If a farmer gets $\$ 8.37$ for the four and a half bushcls of wheat that make a barrel of flour, it would seem that an inordinate profit is made somewhere when the baker sells the same flour into loaves for $\$ 58.70$, and the hotel keeper sells the flour in bread slices for $\$ 587.00$. It is alleged that the farmer makes no money on his 186-cent-a-bushel wheat. Inquiry is being made where the profit goes between the farmer and the consumer and to find ways of getting the food to the user with less expense.
The miller sells the grain as flour for $\$ 12.75$. This makes a charge of $\$ 4.38$ between farmer and miller for his service and for transportation, storage, inspection, commissions, insurance, and depreciation in volume. The consumer pays $\$ 14.00$, giving the retailer $\$ 1.25$ a barrel, which will be acknowledged as a reasonable return. The baker is not rolling in wealth; for most of the $\$ 4 \overline{5} .95$ he is supposed to get goes out for the labor that distributes the loaf at the doors, and the rest to bakery expenses, including labor, ingredients, repairs, upkeep, insurance, interest, depreciation, waste, and the other unavoidable costs of a small plant.
Perhaps much of the seemingly high cost is owing to the inflation of the currency to double or more what it was in pre-war days, naking everything seem doable, including expenses and profits. If the figures were reduced to a prewar basis they would not seem so formidalle; for the farmer would receive $\$ 4.19$, the niller, - $\$ 6.35$, the retailer $\$ 7.00$, the baker $\$ 20.35$, and the hotel keeper $\$ 294$, the "profits" not appearing excessive anywhere in this schedule, con-- sidering the cost of doing busincss.

Farmers have to pay double for farm labor, but it costs the farm worker twice as mnch to live; and so with costs all along the line. Most classes, perhaps, are not much worse off than before the war, bat feel worse. Farmers are being driven out of the business, but it is a quesion whether the forces in operation prior to the
war, lowering profits everywhere, would not have driven many ont anyray. When the war started, the country was about to enter a serious depression with hard times for many classes. The hard times have come for many while the country appears prosperons; for the profits from the farmer to consumer in most cases are a disappearing factor. There are good times for some, very excellent times; but they are for those that are in a position to control selling prices, which the farmer is not.
The sitation is interesting, perplexing, deceptive, complicated. Workers, dealers, producers seem to lse making money, but are not, and cannot locate the trouble; or if they can, they are unable to control it, excepting a favored iew. The farmers are beginning to cry out, and the cry is almost like that to come pictured by the Apostle James: "Behold the hire of the laborers [farmers] who have reaped down your fields, which is of you kept back by frand [the various schemings of profiteers], crieth; and the cries of them which have reaped are entered into the ears of the Lord.'-James 5:4.

## Seventy Million Acres

NOT THAT land is to be created-that was done ages ago-bat over seventy, million acres in the United States are to be made avail-able-some time. It is the $\mathbf{7 4 , 4 7 1 , 7 0 0}$ acres of wet and overflowed land that Congress is thinking of, with a view to having it reclaimed for farı purposes.
According to the Department of the Interior this vast tract, over four per cent of the total area of the country, can be readily and economically drained and made dry enough for agriculture to flourish. This is an area over twice that of New England, more than the states of New York, Pennsylvania, New Jersey and Jelaware, or more than the sum of those of lowa and Illinois.
Most of the wet land is in the bottoms of the Mississippi and along the Gulf and Atlantic coasts, but the heart of the agricultural section contains trenty million acres. Mach of the area is adjacent to centers of population, and a very large part is provided with railroads which
cross or run near the swamps. At the nominal ralue of $\$ 10$ an acre the land is worth $\$ 750,000$,000 , but once made productive it would, it is estimated, adrance ten times in value, to about eight billion dollars. It has practically no population now, but when reclaimed could support 100 persons to the square mile, and would furnish homes for $2,500,000$.

The interest manifested in the question is from its possible effect on the cost of food. Once drained, the swamp land is rich and productive of large, valuable crops. Wet lands in the Mississippi valley, South Carolina, Florida, New Jersey and other states, after reclamation, are producing enormous crops. Every farmer knows the worth of bottoms and meadow lands, which are what the swamps become when the water is drained off.

As the amount of land in the country reclaimable through drainage is much greater than that through irrigation, and is richer and more accessible, the belief is prevalent that private enterprise, which hitherto has done most of the reclamation, should be superseded by a great national movement with provision by the government for maling useful as much of the seventy million acres as is feasible.

Some of earth's land is desert or barren because it has too little water, and some because it has too mach. Either adding or subtracting water may bring a condition like that spoken of by Isaiah, the prophet: "The desert shall rejoice and blossom as the rose; it shall blossom abundantly, and rejoice even with joy and singing.' ${ }^{\prime}$ Isaiah 35:1, 2.

## A Willow-Peach

TT IS hard to predict what the Burbanks of 1 the Golden Age may produce in the way of plant development, but many wonderful things have been done, and experiments are going on everywhere to obtain better food for the people. In Orefield, Pennsylvania, William Baer is trying an interesting experiment. He has planted a tract with young peach trees and one "lonely" willow tree. The hope is that the willow through its contact with the peach trees will bring forth a new variety of peach. The experiment is designed to enable the pollen of the peach blossoms to lodge in the blossoms of the willow, with the possibility of the willow blossom becoming fertilized and an entirely new fruit produced. It perhaps would be well
not to name the frait before it begins its existence; but if it materializes, it might be termed the "willow-peach." The time is coming when millions of agriculturists will be trying every conceivable experiment to improve farm and orchard products; and then out of the myriads of ideas, some are bound to be fruitful and cause the fulfilment of the ancient prediction that in the Golden Age, "Then shall the earth yield her increase."-Psalm 67:6.

## Blowing Up the Campagna

HOR miles around the city of Rome, Italy, extends a barren expanse called the Campagna Romana. Lack of water and a stratum of tafa, or porous volcanic soil, have kept the ground from producing anything but grass.

American methods of applying dynamite to increase the fertility of land are being employed. Out of the rast stores of explosives left over from the war, the Italian government is using some to improve the Campagna. Explosives are placed about two feet below the surface and detonated, tearing up the soil and making it cultivable. It is figured that if the entire area were usable for farm purposes enough produce might be raised to feed Rome.

Eren if supplying of explosives did benefit a business which made considerable money during the war, and which is alleged to be prepared to promote war as a business proposition, the common people are glad to see that business doing $\quad$ rork of a Golden Age variety.

## Double Crops of Berries

THE YEAR 1919 produced double crops of berries in numerous localities in the United States where the weather conditions were right, and in the early part of November the second crop of raspberries was on sale in considerable quantities in the New York markets. This is not such an uncommon thing as some of the newspapers seem to think; for when the weather permits, it may happen any year. Those who raised the berries know that the bushes which bore a second crop in 1919 will bear no berries in 1920, the plants having already utilized their 1920 vitality, 80 to speak. There is a species of strawberry, however, which produces crop after crop throughout the season, and it in not unreasonable to expect that in the near future means will be found to develop the namo characteristics in berries of other types.

## SCIENCE AND INVENTION

## Sur-Spote

A MONG the fascinating, but as yet unsolved, subjects of astronomy are the relations between the sun, the sun-spots, the planets, and terrestrial phenomena. It is obvious that the mysterious orb of day is the source or sustainer of all forms of energy on earth, and it is known that certain solar cycles are paralleled by related eyeles on earth. There is a border land of relations between sin and earth which some declare is not understood, and which others atrirm has been scientifically investigated.

Even savages appreciate the sun and the sunlight, but it has taken the painstaking efforts of hundreds of astronomers with gigantic and delicate scientific instruments to convey the mowledge that the sun is a most mysterious heavenly body.

The sun is a globe 886,500 miles in diameter, immensely hotter than the greatest heat attainable by even the electric arc, and estimated to be at least 15,000 degrees F'ahrenheit. It tarns around like the earth; but unlike the earth, the contral or equatorial part rotates at a different opeed from the polar part-the former in 24.9 days and the latter in 26.4 days at 30 degrees latitude. This goes to show that the exterior, at least, is not solid.

The sun proper, or interior, is liquid, solid, or gaseous-it is not certain which- for at nearly 15,000 degrees it cannot be known how matter acts even under the tremendous pressure at the sun's center. Its average weight is 1.41 times that of water. At the surface-if there be a surface-gravitation would be so great as to be 27.05 times that at the surface of the earth; a woman weighing 100 pounds would weigh 2,795 pounds, and be instantly crushed by her own weight, and a fat man would have no chance at all.

Orer the interior of the sun is what all see, the photosphere, a brilliant shining surface of white hot gas, which is constantly boiling or surging up from below in great centers and sinking down around the areas, producing a mottled appearance like rice grains in soup. This is the surface in which sun spots occur.

Above the photosphere is a red hot atmos-
phere called the chromosphere, which shoots up in moantainous elevations, or erapts for a bundred (or two) thousand miles in monstrows sponts, clouds or plumes, shot up with lightning speed, and evidentily borne aloit by the impulsive power of the sun's rays. Such eruptions have been known to shoot out a blast of flame 330,000 miles long in one hour.

Above the chromosphere for a distance of $10,000,000$ miles or more extends a soft whitish light cailed the corona, which at times is uniform about the sun, and at times extends in only two or three directions. The corona seems to be composed of minute molecules of gaseous substances, extromely attenuated, like the wispy tail of a comet. Its appearance is beantifully describsd an "a complex glory of apaced polar rays, dark rifts, flaments, straight, curved and interlacing, and stupendous synclinal struetures with rich, nebulous mottling."

Sun-spots appear to be holes in the photosphere, down which hot outer gases rash at tremendous speed toward the interior. Sumspots are quite numerous at times, the marimam tines coming at regular intervals of 11.13 years, from which they decline in number to a periodic minimum. The years of maximum sun-spots are $1882,1893,1904,1916,1927$, and 1938, and the years of minimum spots are $1899,1900,1911$, 1922, 1933, and so on. Aecording to this sohedule we should be about half way between maximum and minimum; but 1919 has been a year of great sun-spot activity, with one apot of 30,000 by 100,000 miles, the largest yet.

Astronomers have definitely ascertained that the following phenomena vary at the same time as the sun-spots: the fecule or bright spots near the sun-spots; the eruptions and prominences of the chromosphere; the form of the corona from partial shafte or arrowhead form with minimum spots, to a form well developed in every direction with maximum spots; auroras or northern and southern lights; changes in the day and right fluctuations of the earth's magnetic conditions; magnetic storms, which are greatent when sun-spots are maximum; the earth's average temperature, which is least when the spote are most, and varies regularly durints the
11.13 year period by from .9 to 1.8 degrees Fahrenheit. "Many other terrestrial changes," says the Britannica, "in rainfall, cloudiness, number of cyclones, panics, prices of foods, famines, growth of trees and even flights of insects have been serionsly compared with sunsnots. some showing rather well substantiated periodicity with the spots, and others probably with purely fanciful results."

It is interesting that serious magnetic disturbances arise from shafts of the corona not necessarily arising from sun-spots, but going out in definite directions and rotating with the sun; when such shafts of coronal emanations strike the earth, there arise the great magnetic storms which cause auroras and even destroy the efficiency of telegraph and telephone systems in the areas affected. The sun-spot periods do not agree with any other known periods of the planets or other members of the solar system, and seem to arise from conditions peculiar to the sun, or from some unknown influence quite outside the solar system. It is taught by some who have studied the subject much, that the relative positions of sun, planets, and moon with definite points on the earth, tend to produce such phenomena as storms, earthquakes, volcanic eruptions, and hot and cold spells or "waves".

It seems as though to know the sun would be to know the Creator. As yet we understand very little. The more we learn, the better we anderstand how mysterious are the sun and the stars, the more we can say sympathetically with the poet-prophet, "God is wise in heart and mighty in strength; who spreadeth out the heavens; who maketh Arcturus, Orion, and Pleiades, and the chambers of the south; who doeth great things past finding out; yea, wonders without number."-Job 9:4-10.

## Astronomy at the Equator

THERE are some advantages in studying astronomy at the equator that do not apply at other portions of the earth. Let us imagine two persons, one at the North Pole and the other at the South Pole. There are two nights in each year when the days and the nights are of equal length at every point on the earth's surface. Those nights are approximately March 21st and September 21st. On the night of March 21st those two men are looking at a certain section of the heavens, each at a different part. On the
night of September 21st they are looking at portions of the beavens which could not be seen by them on March 21st because of the bright light of the sun. Again they are each looking at different stars. The inhabitents of the north polar regions and those of the south polar regions never see the same stars. But the man on the equator, by remaining up all night on those two nights, can see all the stars the heavens contain that are visible to residents of our earth. Astronomers make frequent trips to the Andes observatories because of this fact.

To one standing on the equator, or elsewhere at a distance from the poles, the stars seem to rise four minutes earlier each night than the night previous, so that in six months all the stars that were seen on a given night have dropped below the horizon and are no longer visible. This gain of four minutes each day throughout the year brings back into visibility by the end of the year the stars that were visible the year previous. Thus the sun appears to rise 365 times each year while the stars appear to rise 366 times. This appearance is due to the actual revolution of the earth around the san.

Standing on the equator and looking toward the north the olserver will see the north pole star just at the horizon; looking toward the south he will see no such pole star, bat will note that "the chambers of the South" (Job 9:9) are relatively empty as compared with the northern hemisphere, within which are located "the sweet influences of the Pleiades" (Job 38: 31), the abode of Him that "stretched out the north over the empty place, and hangeth the earth apon nothing." (Job 26:7) Who taught the prophet Job astronomy

## 50,000 Feet, Not Miles

TN COLD type it looks badly to read that the professor who is going to signal to Mars expected to rise 50,000 miles in his balloon. (You are right! It was feet, not miles, that were meant) It is believed that flights at a height of 50,000 feet are possible, a plane with a passenger having already flown at a height of 31,300 feet. Only a broken water pipe prevented the flight to 37,000 feet, which was the estimated capacity of the machine.

Passengers on the railways of Colorado frequently faint when crossing the mountains at an altitude of only aboat 10,000 feet.

## HOUSEWIFERY AND HYGIENE

## Bäbies Home and Abroad

THE ideal home is neither a childless home nor one in which there are so many children that the father and the mother can not properly care for them. We believe that in most American homes children are welcome to the extent that their fathers and mothers feel able to give them a fair start in the world. But with the rising cost of living many are wondering whether they can properly maintain numerous additions to their families; and the mothers, upon whom the burden chiefy falls, have recently been considering, in the International Conference of Women Doctors, whether Congress ahould not be petitioned to make it legal to give medical advice on the subject of birth control. At present it is illegal to impart any infornaLion on this subject.
In France the Government is considering what proper measures can be taken to increase the birth rate by increasing the number of marriages. It is observed that there are many more balies this year than last year, as is to be expected; and it is also observed that the babics this year are remarkable for their size, weight and general health.
In England it is noted that sinec the war the proportion of boy babies to girl babies is as 1,052 to 1,000 . This is a remarkable increasc, an adjustment of nature which has been observed in connection with other wars, a sceming atlempt to replace a part at least of the boys destroyed. England also hopes to accelerate the birth rate.
In Poland the baby question comes up in another forn. It is estimated that in this part of the world are not less than a million babies born shortly before or during the war that hare never had sufficient food to develop either mentally or physically, and as a consequence are dwarfed and helpless.
A sad feature about the babies in even this avored land is that one per cent of them are - entally defective, one per cent have organic art disease, five per cent hare or have hed jerculosis, twenty per cent have adenoids, eased tonsils or other similar defects and same nomber are suffering from insufficient
food, while twenty-flve per cent have defective eycs. In many instances the parents of these children are doing evervthing in their power to help these little ones get a proper start, while in others the parents are wholly irresponsible and indifferent to the welfare of the little beings that owe their existence to them.

The haman family is like an old apple tree nearly ready to die, that puts forth an enormons quantity of blossoms but bears little fruit. When the tree was young and healthy the blossoms were fewer, but there was more frait in proportion to the number of blossoms. In the early days of the human family there were frequently a good many years before any children appeared. In the case of the ten patriarchs from Adam to Noah the first son in the family was born when the father had reached the average age of over 155 years, and Noah was 500 years old when his first child was born. -Genesis 5:1-32.
We are familiar with the suppositions of the higher crities that these years before the flood were not really years, but that they were merely months of thirty days each that were called years. This is just like the higher critics It would explain how Noah was actually only 500 month old when we thought he was 500 years old, so that his first son was born when Noah was about forty-two. But it leaves us with the interesting suggestion that his great-grandfather Enoch was only sixty-five months old when we thought he was sixty-five years old, so that Enoch's first son was born when Enoch was less than five and one-half years old.
This arrangement of the higher critics made it especially nice for Enos, Cainan and Mahalaleel, father, son and grandson. In this instance, according to the higher critics, there conld have been but cleven years and three months difference betweell Enos and his grandson, and all three of the boys could grow ap together. What a cute little higher critic Grandpa Enos must have been at his twelve-year old birthday party, with his eldest son Cainan seated at his right hand, having loy that time attained to the ripe old age of six years and seven months, and his
grandson Mahalaleel at his left, already attained to the age of nine months and rapidly growing up into young manhood.

## Free Milk to Babies

ECROPE is an illustration of what a millless diet does to babies. In Italy alone thousands of little ones have died from lack of milk. In Germany and Austria, it is said that children exhibit a growth retarded in development by about the period of the coonomic blockade and that many children are so undernourished as to be immediate victims of slight disorders that would ordinarily make no trouble.
Not every Amcricail city is so provident oi its resources of child life as Sacranento, California. The Commissioner of Public. Health, Dr. G. C. Simmons, deserves especial honor ior his care for the Sacramento babics. He has made arrangements so that free milk will be distributed this winter to families with children under two years of age. Commissioner Simmons says: "Since milk has gone up in price many families are cutting down on their supply, causing children to be sick and undernourished; hence we have arranged to distribute milk free of any charge."
There is no American community that would not have gone to the rescue long ago, if it had been horses or hags that were undernourished or suffering from epidemic, for horses and hogs possers some value to business, and without them profts might be decreased. If hogs were of no value in business no one would turn a hand if all the hogs in the country had cholera. What counts in these days is how much money can be made out of a thing.

Babies are of value, however, for without grown-up babies no money could be made at all in anything. Babies create the unearned increment of land and buildings; at any rate this increase in value of property is caused by increase in population. The increase in New York State in babies and in assessed valuation of real estate-which largely represents unearned in-crement-shows that babies increase in economic value from time to time. During the period from 1881 to 1890 the average increase in real estate value per baby was $\$ 1,101$. The worth of a baby to business doubled in the period from 1890 to 1917 ; for with each additional baby real estate values jumped \$2,151.

The reason why babies create unearned in-
crement is that babies grow up and work, and the work makes everything worth more. If the Sacramento babies have fifteen cents' worth of milk a day for three months of winter ${ }^{\text {e }}$ each baby would represent an investment of aboat $\$ 15$ a year or $\$ 30$ for the two years. But as nat over ten per cent of the Sacramento babies will get the free mill, the amount per baby is only $\$ 1.50$ a year. This makes a very nice investment of the poople's money; for if Sacramento real estate jumps $\$ 80$ a year per baby, as it has in New York the last twenty years, the profts on the $\$ 1.50$ investment are some $\$ 78.50$.

If the unearned increment real estate increase were only a quarter of the total increase, it would be $\$ 20 \mathrm{a}$ year, which would give the still more modest proft of $\$ 18.50$ per baby. Besides, the free milk will make more of the babies grow up, which would be pure "relvet", as the business phrase goes. There are few better inveatments then giving poor babies free milk, though why it should be only during the winter is not clear; for babies have to consume lacteal ftaidduring the rest of the year, and to give them milk all the time would cost only about $\$ \mathbf{\$}$ a year when averaged over all the babies, and this would leave a good profit.

Better days are coming for babies. It is still the time when "there is a generation, whare teeth are as swords, and their jaw teeth as knives, to devour the poor from off the earth, and the needy from among men." (Proverbs 30:14) Some day, soon, the Golden Age will be here, and then it will be different; for of that time it is written, "Who is like unto the Lord our God, who dwelleth on high! He raiseth up the poor out of the dust, and lifteth the needr out of the dunghill; that He may set him with princes, even with the princes of His people" ${ }^{"}$ -Psalm 113:5-7.

## The Osteopath

THE Osteopath tells you that if the body is to function properly every part mast be in: normal relation with every other part, and that organisms contain within themselves the inherent power to cure disease. He has the idep that if there is anything serious the matter wit you and if each one of the principal bonas: your body can be used as a pudding-stick tof: up the rest of your anatomy and to get a warm current of blood flowing through body, you will get well; and you geperan.

He tells you how a sixth dorsal vertebra, being turned out of its true rclationship to the vertabree above and below it, will involve the vasomotor nerves to the stomach, impair the secretory power of the gastric glands, make digestion slow and incomplete, form gas in the stomach and cause pain and distress of mind, all of which can be relieved by one who knows how to reset the slipped vertebral joint.

He tells you how a slip off a curb stone or any other slight fall may cause a misplacement of the pelvic bones that will cause all the symptoms of appendicitis; and he suggests to you that before you let them cut you open you had better fund ont whether or not it is necessary. Maybe the osteopath can fix rou up in a few minutes so that you Ton't need to be cot at all.

He tells you how a fall may so affect the spine as to cause cystitis, and when the spine is corrected the bladder tronble disappears. He tells you how the neck vertebrox, getting out of proper relation to one another, may cause distortion of the features and pains in the face and jaw, stiff neck or headaches which only osteopathy can relieve.

In a well anthenticated case in hand an infant suffered severely from worm fits. In one of these a worm eight inches long was talen from bis nose. In the accompanying convulsions lis ahest became deformed by the knees being brought up so forcibly against it that one side was depressed nearly half an inch. After thirtyAve years, osteopathic treatments removed the curvature of the spine which had persisted all this time, lifted the depressed ribs and the appearance of the chest is now normal.

It is well that we come to reverence our bodies and their Maker. What a wonderful lot of soldiers are those white corpuscles, roaming about throngh the human system, attacking and destroying invading germs and devouring particles of dead forcign matter! They form a defensive army; and whenever germ incasions occur they fush in great numbers, like trained soldiers, to destroy the invading host. Often many of them succumb in the struggle, and their dead bodies go to form the pas or "matter" so ofton oberved after injuries. They are an embodiment the healing power of nature; and recovery im infectious diseases is due largely to their tivity. The blood contains other germicides 1 antiseptics, and health returns whererer iws in proper quality and quantity.

There are 310 mechanical movements lnown to mechanics today; and all of these find representation in the human body. Here are all the bars, levers, joints pulleys. wedges, pumps. pipes, spirals, eccentrms, wheels and aves, balland socket movements, beams. girders, trusses, buffers, arches, cabse:, colununs, and supports known to science. The osteopath belieres that if all of these parts are kept in good mechanical working order by the aid of a capable anatomical engineer, good henlth will persist for a decade or two after the body would ordinarily have gone to the scrap heap.

How wonderfully we are made! The Psalmist, using the human body as a picture of the Body of Christ, says, "I will praise thee; for I am fearfully and wonderfully made: marvelous are thy works; and that my soul knoweth right well. My substance was not hid from thee, when I was made in secret, and curiously wrought in the lowest parts of the earth. Thine eyes did see my substance, yet being imperfect; and in thy book all my members were written, which in continuance were fashioned, when as yet there was none of them. How precious are thy thoughts unto me, 0 God."-Psalm 139:14-17.

## New Oils to Eat

T T LOOKS as though prohibition were turning the liquor men from parasites into business men. The saloon was a waster, but the new brewer and saloonkecper may prove a dangerous rival to men long established in business; for the wine and liquor men are showing themselves good losers, and are attacking the problem of making a living and turning brains into dollars, with vigor and effect.

In California the grape growers, who were closely linked with the wine interests, were greatly concerned over the destruction of the values in their properties. Now they are finding new ways of utilizing the grape and are torning wastes into useful products.

The wine interests have put the chemist at work. Hitherto the only valuable part of the grape was the juice; bat it is announced that the grape has been made to gield an edible oil that is destined to rival the olive, corn and cotton-seed oils as food for man.

One fifth of the tonnage of grapes is pomace, the pressed mixture of skins and seeds, and of this twenty-five per cent is grape seed, or about 100 pounds of seeds per ton of grapes. This is
now crushed, grape oil extracted at a cost of $\$ 1.20$, and the residue of the seeds is used for feed for animals. It may not be long before grape oil appears on the grocers' shelves, and a new food product given not merely to the American public, but to the people of the world wherever vincyards exist.

The same chemistry that gives the grape oil looks forward to the production of edible oils from the seeds of tomatoes, pumpkins and other vegetables. Little by little the pressure of necessity is bringing blessings to the people, making life pleasanter, affording variety, and making less intolerable the cost and conditions of living.

## A Vegetarian Samson

AT FIFTEEN Dean Duffield Cutting of Seattle stands six fect, weighs 185 pounds, and is a giant in strength, and he has never eaten meat. All day long he handles a 75 -pound drill at the shipyard without particular effort.

His strength does not come from animal food; for he breakfasts on a quart of cool water, lunches on three peanut sandwiches, two or three bananas and a pint of milk, and dines on beans without pork, mashed white or sweet potatoes and other regetables. When a child he saw a picture of a dog retrieving a fowl, and has never cared for meat since.

This boy's experience reminds one of a youth in an oriental court, who insisted on being fed on "pulse"' and water, meaning uncooked grain of various lands, and as a result displared the best physical and mental development in the court.-Daniel 1:8-16.

## Clippings and Articles

## F

RIENDS of The Golden Age who mail us clippings, will help the editors by observing these suggestions: Do not send whole newspapers or pages; cut the clipping out; if it occupies more than a column, cut the paper around so as to include the parts in other columns, without having parts on narrow strips; if it is on more than one page, paste or pin the columns together at the top of wie clipping; on blank spaces in the licading or elsewhere, not down side of clipping, write legibly name, town, state and date of newspaper or magazine; do not roll clippings, but fold flat.

Recipes suitable to the next approaching season, and practical liints on home-keeping health and hygienc are suggested from women friends. From any reader brief articles are
acceptable on topics ander any of the ten departments. Boil everything down and make things clear. Keep a copy, for what you send will not be returned, but considered a contribution to our work.

## Pot Rocst

Take a picce of beef from the round in a chunk. Sear this all over by pressing it down in a hot frying pan, first on one side and then on the other. This makes a covering that keeps in the juices. Then simmer it a long, long time in a deep corered dish. When it is half done put in salt and pepper, chopped onions and plenty of finely minced vegetables, and keep on conking till it is tender and the juice is pretty well absorbed. You can keep it shat up in the oven or let it cook slowly on the back of range, but it inust cook slowly and a long time. A fourpound piece will casily make three meals. The remaining juice may be thickened. A cup of tomatoes with regetables may be added.

## Pot Roast

Wipe one and one-half pounds lean becf. Cut in one and onc-half inch pieces and sear, ancovered, in oven at temperature of 450 degrees for ten minutes. Add one onion sliced, eight slices of carrot, two sprigs of parsley, $1 \frac{1}{2}$ teaspoons salt, $\ddagger$ teaspoon peppercorns, 2 cups canned tomatoes, 1 cup peas. Cover and finish baking. Before serving, thicken with three tablespoons of butter to which have been added three tablespoons of fiour.

## Hamburg Raast

Sccure from your butcher about twenty cents worth of hamburg steak, well ground; mix thoroughly with the meat one cap of bread crumbs, one large or two smell onions, chopped finc. Scason to taste with salt and pepper. Jlace in baking pan, put several small lumps of butter on top and pour a cup of sweet milk or water over all, to make gravy.

## -And a California Roast

"It is the opinion of your humble servant that there will be but very few now living who wil not die if the cooking recipes given in 0 Goldes Aae are followed. Why not give recip for healthful food dishes?"
M. S. D. Paso Roblen, C

# TRAVEL AND MISCELLANY 

## Devil Worahip in China

THE fear of evil spirits, and the desire to outwit them or appease them, is the secret of most of the illogical things that the Chinese do. The reason for the walls about the Chinese burial plots is to keep out evil spirits. The statues of animals and gods stationed at the four corners of the lots are to frighten these spirits away. The two large painted eyes at the bow of each bout are to enable the craft to see the evil spirits which are lurking in the waters, and so to aroid them. The temple roofs and the rich men's houses are decorated with large earred wood dragons to drive the spirits away. They are supposed to travel in straight lines only; and for that reason the wonderful Great Wall winds snakelike over hills and througi Falleys thronghout the fifteen hundred niles of its length. To foil the plans of the evil spirits the wall was built with many steep turns. Temples arc built with blank walls opposite the entrance gates to stop the progress of the devils, and pots and jars are left on the house roofs to catch them. Buildings are limited in height for fear the eril spirits in their fighty might ran into them.

This demon worship leads to superstition in every direction. It has woven itself ahout everything pertaining to death. Bodies remain mburied until the mediun assures the family that the lucky day has arrived. When the day docs arrive, the body is buried with food and clothing for its future needs, and sometimes with a horse and cart in which to travel ahont. Fastened to the coffin is a rooster, which is tupposed to convey the spirit to its ancestral home. China has vast coal deposits, but the Chinese will not derelop these because of their enperstitions fears of disturbing the dead. The forests have long since clisappeared, and the people suffer terribly in the winter for want of the fuel which lies right at their hand.

All can see that instead of being partakers of
e Lord's table the poor Chinese are partakers
of the table of devils" (1 Corinthians 10: 21)
he Aportle plainly statos that all the worship
ienitly offered to idols went to the demons infest the atmosphere of our earth and was
accepted by them. These demons are indeed all about as, as they were in the time of our Lord; but the ideas of the Chinese that they move in straight lines, or can be frightened by anything that human beings can do, are of course absurd. All the spiritualistic phenomena of our day are the work of these demons, as has been previously shown in these columns. In worshiping demons the Chinese are only doing in another way what is done by ercry person who attends a spiritualistic scance; and the same is true of persois who, while supposing that they worship the true God, are bowing down to doctrines which dishonor Hin and his Word of Truth.

## Atmospheric Dust

WIIAT starts the rain 1 is a question worthy of the investigative mind of a child, but one which some adults could not answer.

The evidence is strong that without plenty of dust there woald be no rain. The nucleus of every raindrop is believed to be a mote of dust. If it is true that the condensation of the moisture of the air is dependent apon ting bits of dust, it can readily be seen how important the dust of the atmosphere is.

Dust plays an important part in foar ways: It is one of the chicf causes of haze; it probably serres as centers of condensation for fog particles and rain drops; it is the cause of the sumise and eunset colors and of the air colositself; and it is the cause of twilight.

Dust comes from sereral sources. It is blown ap from the surface of the earth by wind; it comes from space outside the atmosphere; as salt clust it rises up from ocean spray; and some is blown up from rolcanoes. In the volcanic explosion of Mount Erakatoa, between Sumatra and Java. dust and steam were thrown up twenty miles into the air. The dust from this cxplosion produced the wonderful sunset colors of 1883, which lasted for three or four years, showing that the volcanic dust remained suspended in the air for that length of time.

Dust is carried by the winds for great distances. It may be said that there is no square mile of earth that has not received dost from every other square mile.

If a man werc given the problem of how to create an earth and an atmosphere which would provide suitable water supply for practically the cntire surface, he would probably set out to invent an eiaborate system oi some kind to do the work. But the Creator, who did a better job than any haman couid have imagined, employed the dust of the ground to give the rain its start to. water the ground, and used the same dust to paint the beautiful tints that are the despair of the artist.
'To accomplish great things man employs great agencies; but "base things of the world," we are told, "and things which are despised, hath God chosen, to bring to nothing things that are.'"-1 Corinthians 1: 28 .

## South Africa to Boom

DURNNG the war among other countries, South Africa learned something about taking care of itself without outside help. Much of the foodstuffs had previously been imported; bat when war drafted the world's shipping, South Africa, rather than starre, learned to produce its own food.

The people had imported even their brcakfast eggs from England, bat now they raise plenty of eggs and chickens for home consumption. Batter and cheese are being prodaced; and the traveler can drink home-grown coffee, and eat South African regetables. It is difficult to get textile and machinery industrics underway, but mills and factories are gradually rising.

The tourist today finds Johannesburg, not a village, but a city of tall buildings, street cars, theaters, movies and hotels. The world demand for diamonds never was so great, and the Kimberly mines are operating full capacity. South Africa is called a good country for white people, with $2,000,000$ whites, and some $3,000,000$ colored persons there. The land is developed in only a few parts, and the hardships of frontier life are no worse there than elsewhere.

The real boom for South Africa will materialive after the Golden Age is inaugurated; for South Africa will share with all other countries the good things that are coming. What is written of "Zion', will also be true of the nost distant countries: "Jehorah shall comfort Zion: he will comfort all her waste places; and he will make her wilderness like Eden, and her desert like the garden of the Lord; joy and gladness ahall be found therein, thanksgiving, and the
voice of melody." (Isaiah 51:3) Yes, South Africa will boom!

## Road of Epsom Sclls

TN ADDITION to the best known ase of epsom salts, and its employment as a fertilizer and as raw material for the manufactare of the sulphates of sodium and potassium and in sizing and dyeing cotton goods, a new use has been found in Texas.

There the traveler can pass swiftly over a road of this unique road-building material. For ten miles out of Rockport, some 170 miles southwest of Galveston, the road is being surfaced with a material which analyzes twenty-five per cent epsom salts, and which is obtained from flats where the evaporation of the Gulf water impregnates the soil with this salt.

Highway engineers, it is declared, find the misture a good road-surfacing material; for the salt absorbs enough moisture from the air to keep the roads damp, free from dust, and firm on the dryest days. It becomes slippery in wet weather, but this is overcome by adding a small proportion of shell and regulating the slope of the surface of the road.
Better and better roads will be the slogan as the civilization of the Golden Age rises higher, but there is one road the like of which has not been seen. The orders will go forth to "make straight in the desert [of man's failures] a highway for our God.' (Isaiah 40:3) Not that God will use it for himself, but he will have it for men to use. As intimated, it will be a figurative, though very real road: "The highway of the upright is to depart from evil."-Prov. erbs 16:17.

## Bright Clothes for Men

A LL MUST have noticed the gradual advance A. of women into the realm of men's attire, and a growing use by men and boys of garments suitable for the fair sex. It is only a few years since a colored hat-band on a man's hat was unknown. Now a London tailor is trying to introduce rufles, pink breeches and bright stockings among men. It is our belief that the gradual removal of all differences of sex i under way, appropriate to the now conditio of the Golden Age when none will die and $t$ repopulation of earth will no longer bo poce sary. See Mark 12:18-26 for a statemeri some conditions to exist in the "naw"."

## RELIGION AND PHILOSOPHY

The Golden Age-From a Soldier's Viewpoint By Brioadior General W. P. Hall, 0. a. Army

T${ }^{\text {THE }}$ Golden Age is that period in homan history referred to by the Apostle in Acts 3:20, 21 when he speaks of "the restitution of all things, which God hath spoken by the mouth of all his holy prophets since the world began'. Surely it will be interesting to inquire what the buman race has lost and what will be restored to it during the 1,000 years during which the Christ is to reign on the earth, as declared in Revelation 5:10 and 20:6. We find in the first three chapters of the Genesis account, that man was made in the image and likeness of God, recoived a paradise home, everlasting life, happiness, and the dominion of the earth, provided he remained obedient to God's commands; and that the man was pronounced by the Lord to be very good. The Bible tells us that Adam loet all, for both himself and the haman race, on eceount of disobedience.

It requires but a casual glance at Adam's posterity-for we are all of the blood of Adam (Acta 17:26)-to see what we have lost through ithe fall of father Adam.
: On account of the World War, the United States is providing for more than 280,000 wounded, many having lost legs, arms, sight or hearing, etc. The other nations have many mil-- Fons who are in the same condition as are some of our brave soldiers.

Oor great Creator declares that he will reetore to the willing and obedient all that they have lost, when his kingdom is established on the earth. We will not at this time refer to the many evidences that the Lord's kingdom is - very near, just at the door. We see from Zechariah 13:8,9 and other Scriptures, that there sre millions now living who will never die, but will fall into line as subjects of the ingdom. Take notice of a few of the joys that ill come to all of these.
"The eyes of the blind shall be opened, the $s$ of the deaf shall be unstopped, the lame n shall leap as an hart, and the tongue of the lb shall sing." "The flesh of an old man shall se that of a child and he shall return to the xf his youth." "God shall wipe away all
tears from their eyea; and there shaf be no more death, neither sorrow nor arying; neither shail there be any more pain." (Isazah 35; Job $33: 25$; Revelation 21:4) Orr Lord telle us that during his thousand-vear remm on earth, all in their graves will come forth : they that have done good, to the resurrection of life; and they that have done evil, to the resurrection by judgment. (John 5:29) This thousand-year reign of the Lord will be the judgment day for the world. See what a joyful time it will be: "Let the heavens be glad, and let the earth rejoice; let men say among the nations, 'Jehovah raigneth.' Let the fields rojoice, and all that are therein, ..... . because he cometh to judge the earth."1 Chronicles $16: 31,33$.

It has been our privilege and pleasure to assist in showing the wonderful plan of our God towards the human race, to many soldiers on the Border and to some of the wounded at the Walter Reed Hospital, at the National Capital, by means of the Photo-Drama of Creation. We find quite a number interested at this time. Only think what the interest will be when men with one leg or one arm begin to awaken in the morning with two legs and two arms; When the "wheeled-chair men" will have no more use for that form of transportation! Won't there be times at Walter Reed and all the great hospitals in this country and throughout the world 1 Nor will these great blessings be confined to soldiers, but will surely extend to all the human race, both the dead and the living.

The headines of the daily papers will be overtaxed in recording only few of those wonderful things.

When our Lord at his first advent raised the dead, healed the cripples, the blind, and the denf, his rork was only a type of the grand work he will soon begin in the antitype. In the type, Jesus asked the afllicted whether they believed that he could heal them. Upon a reply in the affirmative, the man was healed instantly. In the great antitype, faith in the Lord and his lingdom will be easy. Speaking of the times in which we are living, the prophet tells us (Daniel 2:44): "And in the days of these lings shall the God of heaven set up a tingdom which shall never be destroyed."

## Who Will Show the Way?

IT IS said that in some of the European nations the people are becoming depressed and discouraged. During the war they nere stimulated by the supreme effort to win the war; then buoyed up by nopes engendered by promises of a peoples' peace; now disillusioned, and heart-sick, they are sinking into apathy.

It had seemed as though the common man was to be rewarded for his sacrifice; as though, with autocracy bamed, democracy would be blessed with prosperity and peace. But the leaders have felt it necessary to rivet chains upon all to constrain the restless; they see no way of deflating currency and giving the people relief from exorbitant living cost; and they feel obliged to fetter Freedom, just when the common people beliered they would at last be free. Industry seems about to feel the chill hand of Uncertainty. Finance calls for funds to rehabilitate the fallen structure of industry and trade. Governments cannot continue the paternalism of war. All hands are weak. Wisdom fails. Leadership is dismayed.

Lord Curzon, spokesman for the British Government says:
${ }^{\text {a }}$ Nothing seems to me more certain than that great trouble and unforeseen developments lie before the world. I doubt whether as a result of the war we have succeeded in pacifying Europe. Whether we have or not, it is certain that for some time we will be insecure as to the stability of Asia. Having escaped the dangers of the war, Asir may be confrouted with a peril even more serious through disorder and the brcalup of Russia and Torkey."

The words of other leaders go beyond perplexity, and border on dismay. The search continues for a Moses to lead the world out of the quagmire. The clergy feel that the mission is theirs. "The new world conditions, brought about by the war conditions of industrial life, of international relations, and of education," declares Professor Shelby of Lane Theological Seminary, "call for increased leadership by the church and especially by the ministers. It is the duty of the ministers to assume a greater leadership in the world than they have ever beiore exercised." The clergy think the world's hope may be realized if only they may exercise greater anthority and power than they did through the dart ages.

The Interchurch World Movement takes up
the burden of saving the world. "It is formblating," says Dr. John R. Mott, international head of the Yoang Men's Christian Association, "probably the grcatest program undertaken by Christians since the days of the Apostles. The i'rotestant churches of America face the immediate necessity of intervention in the troabled industrial situation in the country."

The clergy will make an intensive investigation. The rescarch platform includes:
"A first-hand study of industrial disputes with a riev to rendering any possible service towards just setilements;
"The study and cataloguing of the occasions of the suppression of free speech, and to furnish suppressed groups the place and opportunity for free discussion of any snd all affairs short of violence:
"T'o promote among employers the iden of recognizing labor in management, looking ultimately to their having a voice in financial control;
"To promote the idea among employes of responsibility for production; and
"To study cosperation movements, the problem of the inamigrant, and to prepare literature on minimum standards of living, the history of labor and industry, lousing, women in industry, agricultural lebor, migratory workers, racial relations, and government service and relations."

The general committee, in charge of the world's hope, is composed of 150 prominent clergymen and laymen from the various denominational boards, and is assured by government officials, large employers and labor men that "a united Protestant constituency would have tremendous influence. The time has come for the church to take part, and the chorch's participation will be welcomed." "It is high time," saps Dr. Fisher, head of the industrial relations department of the morement, "for a anited Protestantism to cease being content with abstract statements of principles and to get down to actual participation in the labor disputes o? the present.'"

Even militarism sees the need of an orderly settling of the world's new warfare. Colonel Carnegic says, for the Interchurch movement:
"Nothing is more necessary than the spirit that comes through the churehes to industry for promoting bette relations betwen anployers and employes."

The church is the cheosen champion to destr autocracy and make the world safe. That.t churches will do what little they can no. doubts. That they may accomplish their ; ious purpose is quite another question,
need is vital. The desired end is clear. The time for action is short. The means alone are in question. Who will be the true Moses to lead to the Promised Iandy The near future will decide.

The Word of God affirms that it will be Christ and his church that will lead hamanity out of Egyptian bondage into the Golden Age. Withont a donbt it will be done through the chureh of God. But among the claimants to be the chturch, it mast be decided who is the church. The divine decision will in due time be manifested in the accomplished fact that some claimant will have done the task.

It is a wonderfol Golden Age-into which the world is soon to emerge from darkness and disaster. It is the dream of ancient sages made real. It is the realized hope of the world. It is "the desire of all nations". (Haggai 2:7) For the Golden Age is a period in which we are told that the world "shall obtain joy and gladness, and sorrow and sighing shall flee away.' Isaiah 35: 10.

How will this wonder come to pass?
First, the common people will be given assured freedom from want. It is rarely that a man desperate from poverty and hunger seeks the consolations of religion. But in the happy Golden Age of man there will be plenty; for "the earth shall yield her increase" (Psalm 67: 6) ; and, says God, "I will call for the corn [grain], and will increase it, and lay no famine upon you; and I will multiply the frait of the tree, and the increase of the field." (Ezekiel 36: 29,30 ) This will come by the God-given discoveries of a thousand Burbanks working for love of the people.

All will rapidly come to have good homes and pleasant surroundings. Nowadays the worker builds a palace and a millionaire lives in it; he builds an apartment, and has the privilege of living in it as long as he pays another millionaire rent. But then, "they [the workers] shall not boild and another inhabit; bat they shall build houses and inhabit them; they shall enjoy the work of their hands." And every worker can have his own little orchard. The worker will not create an orchard or vineyard for the rich, and never taste the fruit; for "they shall not plant, and another eat, but they shall plant vineyards, and eat the fruit of them" (Isaiah $5: 21,22$ ) ; and "they [the workers, for all will
m be producars] shall sit every man under
his vine, and onder his fig tree." (Micah 4:4) It will be ideal-the Golden Age-when every man, woman and child will be happily placed in his own home amid a culture and a plenty such as yet are unknown. Look at the beantiful sabarbs of our cities, and think of nation after nation dwelling in such surroundings from one end of the continent to the other and the whole world over.

Now the cry of everyone from prince to pauper is for the blessings of peace. False prophets cry, "Peace! peace!!"-bot there is no peace. National war ceases; internecine war commences; and no human wisdom can see the end. But the end is promised; for in due time the Savior will say to the angry commotion, peace. National war ceases; internecine war come the "great ealm" so much desired. The militarists will no longer lead men into war, but the Prince of Peace" will "guide our feet into the way of peace." (Luke 1:79) "Nation shall not lift ap sword against nation, neither shall they learn war any more;" but the people "shall beat their swords into plowshares, and their spears into scythes." (Isaiah 2:4) The hlessed growth of the arts of peace shall never again cease; for God says, "I will extend peace to her like a river" (Isaiah 66:12), and "of the increase of his government [Christ's kingdom] and peace there shall be no end, to order it, and to establish it with judgment and with justice [in all relations of men] from henceforth even forever." And to this God sets his signature when he adds, "The real of the Lord of hosts will perform this."-Isaiah 9:7.

## He Whoce Right It Is

7 EDEKIAH, last king of Israel, was a very $\angle$ wicked raler, and to him the Lord said: "And thon, profane, wicked prince of Israel, whose day is come, when iniquity shall have an end, thus saith the Lord God, Remove the diadem and take off the crown: this shall not be the same : exalt him that is low, and abase him that is high. I aill overturn, overturn, overturn it: and it shall be no more, until he come whose right it is ; and I will give it to him."-Ezekiel 21:35-27.

The one whose right it is to succeed to the throne as ruler and blesser of mankind is the Lord Jesus, the Christ, the great Messiah. Nearly nineteen centuries ago he came to earth as a man and died upon the cross that he might
provide the ransom or purchase price for the naman race by which mankind could be legally released from tine condemnation of death. He arose from the deail and ascended on high. Before going away be taught his disciples to pray to Jehovah, "Thy kingdom come, thy will be done on earth as it is done in heaven." (Matthew 6:10) He told his disciples that he expected to return. (John 14:1-5) They asked him the specific question, "Tell as, when shall these things bel and what shall be the sign [proof] of thy coming and of the end of the world'' He answered that the time would be marked by great trouble in the earth-a great world war, in which "nation shall rise against nation, and kingdom against kingdom'. (Matthew 24:7) That war began in 1914 and is ended. He further said that the war would be followed by famine and pestilence. The famine is now in the earth; and likewise we have experienced the pestilence, the great influenza. He said further that the war, famine and pestilence would be followed by revolutions; and such have already occurred in some of the nations, and all other nations are being threatened. He further stated that upon earth there would be "distress of nations with perplexity; men's hearts failing them for fear'. (Luke 21 : 26) And this is fulfilled. "For then shall be great tribulation, such as was not since the beginning of the world to this time, no, nor ever shall be."-Matthew 24: 21.

## A New Idea In "Religion."

APROMINENT church paper of one of the A great religious denominations has made an appeal that should strike a responsive chord in every homan heart. It proposes that for the immediate fatare the professed charch of Christ should pay a little less attention to preaching about fighting, and raising money on first one religious "drive" and then another, and devote its energies to preaching the Gospel.

It calls attention to the fact that for several years past the people have heard a great deal nbout fighting, and it is not sure, now that the soldiers have returned, that all of them have developed in Christlikeness as a result of their activities and environment while abroad. Why this should be when the soldiers have been ministered to daily by the Knights of Colombus, the Y. M. C. A. and other war organizations is not explained.

It also seems to notice an apparent chilling of public interest in "drives" to raise money for religion. Many people have agreed to set aside specified sums from their incomes for the next five years for one, two or three parposes; and the charch paper in question thinks that more money can be raised by getting new converts and getting the money out of them, than by trying to raise more funds from the old ones.

There is a suggestion, too, that the people who have been in the front line trenches on all these recent drives would welcome some evidence that their money is being wisely expended, and that the results coveted and promised are attainable, if not in the immediate present then in the not far future.

We think thesc observations by our contemporary are opportone. We are inclined to stress this matter of professed ministers of religion attending to the business of religion. We reali:e, of course, that having little to do during the week, and little on Sunday, ministers are easily intercsted in any worldly subject in which some or all of the members of their congregations are interested; and this fact is no doubt responsible for many of their recent activities.

We hope this idea of having ministers encouraged to preach the Gospel will not be lost sight of. Many of them have preached on every other subject, and to dwindling congregations, as the statistics show; and if now, this time-honored custom of trying to run the world's affairs should give way to a faithful preaching of the Word of God, and the means by which men may gain everlasting life, we go on record as prophesying a renewed interest in religion by some who had formed the idea, justly or minstly, that many ministers were in the preaching business to preach what the people wanted and not what the Bible teaches.

We think our contemporary made a mental hitch in insinuating that the best way to raise more money is to get more converts. We know that some hare formed the idea that the true ideal of religion is "To get more converts, to raise more money, to build more churches, to get more conrerts, to raise more money, to build more churches', etc.; but we think a better conception of the matter would be obtained by studying the Scriptures, especially the life of Christ, and noting the absence from his preach ing of any desire either for numbers or coller tions or church buildings. He seemed to be it

Uned with the idea that the greatest object of the Christian should be to lead a Christlike life. and to tell of the coming lingdom of righteousness, peace and life eternal, that will be the joy and satisfaction of every human heart. If the ministry will turn to this, and away from fighting and drives for church money, they may yet save something out of the wreck that civilization now faces.

## Judea for the Jews

T0 THE Jew, after release from his seventyyear bondage to Babylon, the very thought of the captivity was hatefal and everything connected with it was to be eliminated; the new Jewry which preceded Christ's day was to be one refined from all trace of the pagan.

History repeats itself; and today in Palestine the Jew plans for a Jewish polity, entirely freed and cleansed from every suggestion of the age-long captivity in Europe. It is not surprising that the Zionistic Jews, or "Palestinians", agreed that as candidates for the constituent assembly the only eligibles should be Hebrewspeaking Jews. No mixed dialect was to have an official footing in reorganized Jewry. Not even Yiddish, though the langrage of seren millions, is to be permitted in official circles.

Thas the strange exile of a nation, for ages maintaining its identity unaltered, begins to end. The break with Europe is to be complete. Anything the European oppressors have forced upon the Jews is to be discarded-the ignoble habits of mind, dress, occupation or speech are to go forever.

The Jew in Palestine is to be a farmer, an occupation denied to him for centaries. He will institate the most advanced system of education, with the world's most famous educators, in contrast with the enforced Russian denial of
higher education. His clothing will be the best the world affords, against the yellow badge of anti-Semitic reproach. His dwellings will be amid gardens, in place of Europe's over-crowded tenements and hovels.
"The Jews", says the London Spcctator, "are to have Jerusalem at last; they are no longer to he there on sufferance of the Mostem. The tables are to be turned; they are at last able to stall prondly through its streets; it is the Moslems and the Christians who are henceforth to take the wall. The Wailing Place is deserted. No one comes there now. For the first time in centuries the spectacle of the crouching Hebrew lifting up his voice in lamentations at the lost glories of Israel has wholly ceased. There is nothing to lament. The sun shines on Zion."
"There is a time [the long, hard, so-called "Christian" age] to break down [Jerasalem], and a time [forever] to bnild." (Ecclesiastes 3:3) This is the time now begon. Soon Jerusalem is destined to blossom out into a beauty, honor and grandeur greater than even the most sanguine Zionist might expect; for it is "the Holy One of Israel" who is fulfilling his own prophecies, before all eyes. "He [the Holy One of Israel] shall build my city [Jerusalem], and he shall let go my [the Jerrish] captives [captive for eighteen centuries in Europe] not for price nor reward."-Isaiah 45:13.

And to what peak of honor are the Jews in Palestine to be lifted '"Thus saith Jehovah, The labor of Egypt [the whole civilized world] and merchandise of Ethiopia and of the Sabeans [the pagan world], men of stature [of prominence] shall come over [to the Jews in Jerusalem], and they shall fall down unto thee [the restored Jewish state], they shall make supplication unto thee, saying, Surely God is in thee."-Isaiah 45: 14.

## HOW LONG?

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## GOLDEN AGE CALENDAR DECEMEER 10 TO 24

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stare: Morning: Marw, Mereury, Jupiter, Batutn, Pems
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$5^{2}$


[^0]:    God of all right! how lons Shall priestly robbers at Thine altar mend Lifting in prayer to Thee, the bloody hand And haughty brow of wrong?
    Eloarse horrible, and strong, Rises to Heaven that agonizing cry, Fluing the arches of the hollow sly, How Losa, OE Gop, How conel

