

JOHN WORKMAN'S NOTIONS.

Liberty and Economics.

Science is usually accounted the friend of man, as indeed, it ought always to be; since if it is a malign and unwholesome force, it ought not to exist. It is one of the essentials elements of civilization and general hampiness of humanity. If it does not mean this, if every element of it does not tend in this direction then that el ement should be modified or eliminated even if the whole fabric should crumble to dust and man return to barbarism. It is better th that the should perish by savagery than by the self@infliceted tortures of a weakening and destroying civilization. The unmodified tendencies of nature are unquestionable destructive. Here unrestric ed self-gratification means mutual annihilation or the survival of the strongest only. This is the law of the brute creation. It is the law of human existence in so far as man is a brute. If we elimi nate brain and conscience -- co-operative intelligence and the sense of justice -- "the survival of the fittest," which is only the survithe inflexible law of human existence. Society and Science are elements of civilization. They are valuable only as they counteract the the tendencies of nature whose product is barbarism. Science is not restricted to the discovery of facts or the formulation of natural laws. Its highest function is to apply natural laws to human better ment or teach humanity how it may escape the evil resulting from their unrestrained operation.

It the material world, science has developed the laws of forces and the principles governing their application. Primarily these forces are by no meand wholly beneficent. Heat parches and burns as well as warmes and fructifies. Steam scalds and rends as well as moves the piston. Gravity loosens the avalanche as well as the apple. The wind is sometimes a cyclone and sometimes a zwphyr. Electricity killed for ages before it was taught to serve. Fire and was ter were hard masters before they became good servants.

All the material forces of nature and many of the forces derived from material nature, in some form or other are harmful as wel as beneficent. Some are thus far known only to be harmful to humanity. The province of material science is not only to discover benef icent uses but to teach humanity flow to avoid malignant effects -- to find the antidote for nature's evil or even to wring beneficente out of her malignancy. It reveals the nature of disease in order that its cause may be eradicated; and loses pois n that its action may be neutralized. It should N ir may be made wholesome; the torrent chained; the lightning fettered; the pestilence balked. This is its true mission -- man's service, man's betterment.

It is true that science works evil as well as good, according to the intelligence by which it is directed. Unlike nature, material science is a passive force. It serves the good or evil purpose, according to the character or wisdom of its manipulators. It is only when it is regarded as essentially and inevitably malign in its influences that material science becomes an enemy of man. This may be

either through intentional perversion of the p wer it confers or through some failure to harmoniouslycoordinate its forces whereby what might be rendered useful becomes destructive.

Various manufactury such as white lead and tose which give of the fumes of arsenic are examples of this. Their products are beneficent, their manufacture destructive. This is not the fault of Science. She would provide means by which these lives might be spared but it would cost money and civilization values money more highly than life.

That is, we are told that it is civilization; perhaps we shall learn sometime that it is only another form of barbarism.

What is true of material science is true also of every phase of knowledge pertaining to humanity. The only function of such knowledge is to improve human conditions. The study of history, government, society, moral and economical conditions—have all no other function or legiti ate purpose. All these are instrumentalities not ends.

He who studies history merely to amuse himself with the story of the past, may indeed find entertainment, but he has missed the bet ter part of historical knowledge unless he compares the life he reads with that which went before it, that which came after it and all with that which he himself lives. The lessons of history are evolutionary. The "rule of three," is the only one by which its les sons may be applied. As some past day was to its yesterday some today may be to its tomorrow. Ratio may exist; identity of condition, never. It is a fool's logic which declares that history repeats itself. Infinite diversity is the law of human experience. There may be analogous -- indeed, there may be perhaps identical phases -- but so related to other elements and conditions that no life, individual or collective ever becomes the counterpart of any other life.

This fact, admittedly true of individual lives, has been almost lost sight of in the study of social and political conditions. It has been assumed that the social and national life was somehow or other a thing separate and apart from the individual life. We have

He is carcless of the form or character of the separate grains, it is the heaped up mounds—the shifting tumul — which interest him. He notes the forces and direction of the prevailing winds; the amount which each month or wear deposits in the lee of any obstacle; and from these data he reaches his conclusions.

In like manner the social and political theorist have studied national economical and religious movements and tendencies and forgetful of the fact that the men who are the ultimate units of these aggregated forges are not dull inert atoms moved by some irresistible breath of common impulse, but individual moral agencies who if the fly in one direction, do so very often less because of the fierc compelling wind of material conditions than because of some moral impulse, some general volition which inclines them this way or that. They are not mere lifeless desert sands, the sport of every wind of circumstance, but each is a live magnet impelled by its own individu al tendency to seek and cling to some more or in like manner repell

ed from some moral idea which happens at a particular time to be uppermost in men's minds.

It is this individual quality which gives character to all col lective movements of humanity and makes man himself by far the most important element of human destiny. Human progress is less a result of physical conditions, invention, discovery, commerce, mechinism. social order than of the individual man's inclination and desire. If an en lightened sense of justice prevail, or that broad selfishness which sees in the general welfare of all the highest good of each or of if some great moral idea for a time EMENERA shines through the blin ing mist of envy and greed rogress will be upward, marked and well nigh universal, it matters ver little what may be the external conditions, Poverty, war, oppression, even famine and pestilence are impotent to obstruct human progress, when the popular heart is leavened with some great and worthy pur ose. In like manner, when the strife of individual purpose becomes general and unrestricted and the popular ideal is only to outdo one's fellow, progress is of necessity downward, no matter how favorable the surroundings.

Thus, history becomes an infinite evolution, not wholly nor indeed chiefly controlled by environment, but largely dominated by that moral purpose which in great measure creates its own social at mosphere and conditions. U mation shapes its own desting by establishing conditions which strugthen on pends but little for its strength and superion qualities where that surplus of value above es the general quality of a nutrous life defends but little on its aggregated wealth and is harvard rather than helped by the Newdency to great instroidual accumulation

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