

PULTIPLY 489 TINES 7 PEADING PHILOSOPHY

READING PHILOSOPHY

HATING SOMEONE LOVING. MEADING BIRLE

influences.

The Above Illustration Shows One of a Series of Experiments Made by Dr. MacDonald Upon H. H. Holmes, the Pamous Murderer, to Determine His Emotional Capacity Under Various

laboratory for the study of criminals which will be the most remarkable of its kind in the world in the the control of the kind in the world upon by Congress and goes into effect as slaw, this country will be in possession of an institution where criminals of all classes will come under the keen eye of scientific experts.

They will be diagnosed, measured and classified by celebrated criminologists and the data secured will be used in giving the malefactor bimself an accurate criminal rating, precisely

HE United States Government may within a short time establish a laboratory for the study of criminals

as the hospital patient who submits to an examination by specialists is pronounced either curable or incurable.

The new criminal laboratory is to be established at Washington in connection with the Department of Justice and its existence is the expression of the most advanced twentieth century ideas on the subject of criminology. Amazing as the statement may sound, the aim of the laboratory will be the suppression of anarchistic criminals, social evils and the defective and pauper classes, with the ultimate view of eliminating the criminal sitogether. The project, pruned of its technical details, is in substance as follows:

nating the criminal altogether. The project, pruned of its technical details, is in substance as follows:

A lawbracker convicted of some grave offense and a lawbracker of the Laboratory of Chminology. Here he will be photographed, measured and thumbrained by the most modern devices. Apparatus even in advance of those employed in the famous French Bertillion system will be applied, but more than this—the data secured will be utilized not only for purposes of future identification, but for reference and comparison.

The triminal's antecedents will be thoroughly investigated. It will be assertained whether or not his criminal traits are hereditary. Was his father a criminal? What is his family history? Were any of his ancestors drawards, insane or cylicptics? These are only a few of the ques-

epileptics? These are only a few of the ques-tions which will be asked.

**** Diagnosing a Criminal

Then the man's cranium and physiognomy will be analyzed. They may be normal or decidedly the contrary. If the latter, it must be determined whether he belongs to a degenerate type. The outlines of his cranium will be care

fully compared with those of great criminals, men of genius and with those of the ape. Every dip and curvature of the features will be noted, taking into account the low forehead, receding into account the low forehead, receding instead of being joited down at haphaxard will be scientifically recorded and afterward averaged up to denote the intellectual capacity of the subject. An X-ray photograph will determine the relative size and configuration of his brain. His length actimals, the subject is a subject of the subject. An X-ray photograph will determine the relative size and configuration of his brain. His length actimals the state of the subject of the s

readjustment of the penal codes of prisons and reform Institutions.

Responsibility in crime is a subject which has lately engrossed public attention. The law courts may decide that a man is guilty of a certain crime, but it remains for men of science to say just how far a man is guilty from a medical standpoint and to preseribe methods of form in addition to the legal period of the penal of

THE PALATEMETER

THE PALATE

is shown in operation in the lower left-hand illustration, Dr. MacDonald says:
"This instrument is for the purpose of mensuring the mental and emotional states upon the
structure of the control of the purpose of mensuring the mental and emotional states upon the
state of the emotions they simulate in the chest.
A slik band is drawn closely around the chest,
a slittle airtight cylinder with a delicate film
over both ends—a hook being inserted in each
slim—is attached by loops to the end of the slik
band; from the cylinder extend a couple of
solid of thin tubbing, which is inserted into an
obour, or drum, is hinged a delicate bamboo
splinter, which rises and falls with every breath,
and which, when pressed against a revolving
cylinder bearing a sheet of moked paper,
scratches a series of wavy lines."
The diagram shows the result of the experiments upon Holmes. Dr. MacDonald continues
ines are smaller than those in regular breathing, the first line. In other words, the emotional states is essende the breathing. Reading philosophy, multiplication and bating affected the
prisoner's breathing men. This is what generally happens, with the exception of the feelmines are smaller than those in regular breathing, the first line. In other words, the emotional states is essended the breathing. Reading philosophy, multiplication and bating affected the
prisoner's breathing men. This is what generally happens, with the exception of the feelmines are smaller than those in regular breathing, the thirt with Holmes't was chope as way
line, but with Holmes't was chope as way
line, but with Holmes't was chope as way
have been been being experimented
upon its encased in a large glass tube filled with
water, the open end being sealed with gutta
percha, Any variations in the normal flow of
hood is shown by the fluctuation of water in a
transmitted to a small weight, which rises and
falls with every pulsation.

Experiments with this instrument have dem-

falls with every pulsation.

Experiments with this instrument have dem Experiments with this instrument have demonstrated, among other things, that the sight of a pistol had little or no effect upon a brutal nunderer, whereas in a normal man the weight resuming of strong emotional disturbance. Appearing the contract of the picture of the picture

most mental exertion, those which are the most pleasing and those for which the pupil has the greatest aversion. The plethysmograph is the invention of a criminologist named Mosso, but it has been much improved by the Bureau of Education, as, indeed have all the delicate apparatus used in the country. The little instrument in this country. The intellectual control of the page, called the aesthesioneter, the properties of the delicacy of touch or judget of the the delicacy of touch or judget of the the delicacy of touch or judget of the page, called the aesthesioneter, the properties of the delicacy of touch or judget of the delicacy of the page of the delicacy of the delicacy of the delicacy of the page of the delicacy of the

is true.
With the palate meter the height of the palate is determined. A high palate is a sign of criminal instincts. In Holmes the palate was un-

nai instincts. In Holmes the palate was univally high.

The thermates-thesiometer, the large instrument to the right-hand of this page, records seemed to the right-hand of this page, records a second of the page of the control of t

Responsibility of Criminals

It is not the intention of the Laboratory of

ATURE DURING VARYING EMOTIONS. Criminology to palliate the offenses of hardened criminals. First of all, like the Bertillion rystem, it will measure criminals from head to foot and these records, put against them for future identification, will have a deterring in when they have been released from the peniture identification, will have a deterring in when they have been released from the peniture identification, will have a deterring in when they have been released from the peniture identified in the peniture in the pen

THE THERMAES-

THESIOMETER, FOR RECORDING THE TEMPER-

carceration.

The new Laboratory of Criminology, when realized as an actual fact, will represent the first practical step taken in this direction.

Some Wonderful Experiments
Shortly before the execution of the mudger,
H. H. Holmes, a few years ago in this city, Dr.
MacDonald interviewed and experimented upon
this celebrated criminal in his cell, using eight
separate apparatus, four of which are shown
on this page. Dr. MacDonald had previously
experimented upon school children and in this
connection he says, in a recent report:
"As education concerns the moral, mental and
physical development of individuals and society,
it may be said to ameliorate the elements that
tend to social degeneration. Therefore the incased man will sply as well to the normal
man."
The experiments tropo school children were

man."

The experiments rpon school children were made with a view to ascertaining the exact conditions constituting a "normal" child, and from this to set a standard for determining degenerate and criminal types.

The two most interesting instruments applied to Holmes were the plethysmograph and the kymographion. In describing the latter, which