The Making of Americans

Roumanians, 92 per cent of Greeks, 95 per cent of Croatians, 76 per cent of Armenians, 67 per cent of Austrians, employed by the How the Many Millions, Americoncerns in question are not subjects of the Flag." "The Making of cans and Foreign Born, Living America Cannot in the Appalling Darkness of Il-Proceed Faster Than the Making literacy, Are to Be Helped by an of Americans." Aroused Nation's New Agency of Rescue-Herbert Kaufman's Stirring Demand That Opportunity Shall Reach "the Whole People."

measure, more properly known as the Smith-Hankhead bill, aims to compel the unread fourth of the population to be instructed in at least and the percentage still allens. The nationality and the percentage still allen is: the preliminary syllables of the three The necessity for the enactment of this legislation was made apparent by the army's costly experience, which proved that instead of 8,000,000 illiterates, as the census figures showed, there are twice that number.

Authority for this statement is contained in the following quotation from the testimony of Herbert Kaufman, noted as a writer, whose work commands the highest price paid for American newspaper and magazine sistant to the secretary of the interior, in charge of Americanization This statement is doubly having been made before and incorporated in the records of the senate

"However, there are such folk-8,000,000 of them (according to the 1910 census), 10 years of age and over-5,000,000 of whom are native are not included under "English." born vet cannot read or write English, and of those who do not speak any language.

tions challenge it. I would not hesithe army suggests that no test of literacy was required by the census the flag." takers. Of 1,552,256 draftees examined by the war department, 386,196, or 24.9 per cent, could not read newspapers or write letters home."

The Appalling Record.

is painted in the following figu. 1 provided to promote the education of which they were born, shall its spirit obtained from an inquiry made by the native illiterates and in general of reach them-not until they can read,

Sixteen million grown-up pupils department of the interior into the persons unable to use the English is inconsiderable is shown by Mr. that they could not comprehend the comparative handful of men for services of the Americanization bill, brought foreign-born workers. Less than a making are to be taught, as well as making are to be taught, as well as inconsiderable is shown by Mr. that they could not comprehend the comparative handful of men for services. Kaufman, when he says:

"Because the states permitted 385,of their several citizens of draft to expend more millions than this bill fully and also an interesting side-

=1		Total.	Tour
÷		No.	Cent
	Nationality-		Aliez
3	Austrian	5519	67.1
51	Armenian	208	76.5
e	Bohemian	549	50
-	Bulgarian	83	26.4
t,			57.3
ъ,	Croatian	1285	95.1
-4	English?	3161	35.1
-1			59.7
	French		57
2	German		80.5
	Greek	816	92.1
39	Hungarian	2966	77
ς,	Irish	1525	21
r	Italian		72.1
-1	Mexican	79	24.1
e	Norwegian	277	27
	Polish	7710	89
	Roumanian	807	94.1
=	Russian	2540	72.6
	Scotch		42
ü	Serbian		95
6	Spanish		96.1
-	Swedes		27
	Other nationalities		76.
	A 20101 THE STOREST AND A STATE OF THE STATE		4.534

tNOTE-Under "English" is included Irish and Canadians given in the table cannot exist where there is no means under its folds.

Says Mr. Kaufman: "The melting find that 94.3 per cent of Mexicans, funds for their betterment. The fields of the country's press. "But I do not consider this an ac- 98.4 per cent of Bulgarians, 95 per of France cry shame upon those who curate estimate. Recent investiga- cent of Roumanians, 92 per cent of are content to abandon them to their Greeks, 95 per cent of Croatians, 76 handicap. tate to double the figure. The out- per cent of Armenians, 67 per cent rageous percentage of illiteracy in of Austrians, employed by the con- mobs while the uninformed are left cerns in question, are not subjects of at the mercy of false prophets. Those

The Smith-Bankhead bill would provide \$13,500,000 per year until 1926 us its institutions fairly. Blind to to be divided among the states in the facts, the wildest one-eyed argument proportion of illiterates in each, and con sway them. the state to equal the federal appro-The cosmopolitan aspect of these priation. This money, together with ate millions the truth about the land all laws and funds to confine the derstand why they all must conmillions who neither read nor write lesser sums for its administering, is to which they have come and in menace within bounds.

men who have placed their talents

assistant to the secretary of the inte-

rior, is known throughout both Eu-

rope and America as one of the most

brilliant of living writers. His clear

vision, magnetic zeal and highly in-

spirational genius for expression have,

in the crisis of the Americanization

"Illiteracy is a pick-and-shovel es-

"It is a shabby economy, an un

"Anarchy shall never want for

who have no way to establish the

worth of America are unlikely to val-

"Not until we can teach our illiter-

canization bill:

of information.

before congress with so strong a third, 15,265, or 31.4 per cent, of that citizenship. That the money involved age to remain so abysmally unlettered calls for in toto merely to prepare a backing of popular sentiment. This number were naturalized and 1870, KAUFMAN'S PLEA FOR AMERICANIZATION

> HERBERT KAUPMAN, a notable can we set them right and empower against civic incapables. But since figure among the "dollar a year" | them to inherit their estate. them to inherit their estate.
>
> "We must not be tried by inquest.
>
> "We must not be tried by inquest.
>
> "We must not be tried by inquest.
>
> "To state them the only protection of draft age put it at 24.9, or oneand energies at the disposal of the We demand the right to vindicate the to state, then the only protection government, and who is now special merit of our systems wherever their integrity is questioned or maligned. "We demand the right to regulate

the cheating scales upon which the Republic is weighed by its ill-wishers. "We demand the right to protect with hucksters of traitorous creeds.

movement, had a tremendous influ-"We demand the right to present ence upon all who have come under our case and our cause to the unhis sway. Here are some significant lettered mass-whose benightedness flashes of his plea for the Ameriand ready prejudices continually invite exploitation. "We demand the right to vaccinate

tate, a life sentence to menialty. Decredulous unexperience against bolmocracy may not have fixed classes shevism and kindred plagues. and service. The first duty of condemand the right to render Great Britain and provinces, some Irish gress is to preserve opportunity for all whose kind we deem fit to fight and Canadians being included, but the whole people and opportunity for our flag, fit to vote and prosper

"In these demands, we voice the will of every state in the Union as it, at least half do not read or write pot calls for watchful care when we grateful economy that withholds testified to by the insistent attitude

"The problem is not local. However much different sections may at pres-"There cannot be congulations of born whites. illiteracy and non-English speaking ; either coast or border

ing the consequences. "An outbreak of hoof and mouth

"It is even more incumbent upon us to defend healthy citizenship this country."

which any state can have. lies in dealing with the question federally,

education of these people should remain a state responsibility, but beto take action.

casting the metal of the melting pot only half as frequently to those who and the pattern of that mold cannot be too jealously designed.

"The making of America may not elements.

educated, we cannot be safe any- army of which 58 per cent are white ing to inaccuracy in the census. where until we are sound everywhere. and one and a half million are native-"He is right when he says 'an un-

without informed democracy is not a democboth coasts and borders finally shar- racy, that people who have no access those who were obviously loath to be to the mediums of public opinion, the considered ignorant, and no check to the deplorable fact that 25 per disease would compel instant remed- of congress' can't be expected to un- was further true, according to the an understanding of the most imporproperty or leasty to the welfare of swer to his questions and yet fail to the rest of the world. Before us is a

Types of Immigrants Representing the Raw Material for Citizenship for Whom, and in the Interest of the Nation's Welfare, Secretary Lane and Herbert Kaufman Have Made Such Potent Appeals.

196 of their several citizens of draft to expend more millions than this bill fully and also an interesting sidelight was thrown on the incompletelowing quotation (from the New York Times) read to the committee:

"The melting pot calls for watchful care when we find that 94.3

per cent of Mexicans, 96.4 per cent of Bulgarians, 95 per cent of

"Whereas, the census bureau had led us to believe that the percentage

were unable to read and understand "There are some who maintain the signs about the camp or to underfactories they would have been uncause it has been solely a state re- able to understand signs and instructhe matter, the government now asks state of affairs can only be realized "We can have but one mold for manufacturing establishments occur

can read as to those who cannot.

"Among the first to engage in the army psychological work was Cantain proceed faster than the making of M. R. Trabuc, who was a member of Americans, else we sophisticate the the psychological division of the army quality of the future with perilous sanitary corps and later of the personnel committee in the office of the "The Secretary of the Interior has acjutant-general. He is now back at graphically painted the accusatory his post as assistant professor of edu his annual report. He cational administration in teachers' reminds us that our illiteracy prob- college, Columbia university. Not iem is not confined to alienism. He only has Professor Trabuc intimate shows us an army of illiterates knowledge of the army tests, but he test for the illiterates was intended marching past the White House in is familiar with the methods used in to be just as difficult as that for litdouble file at the rate of 25 miles a obtaining the census figures. He calls erates, but in practice it proved to be ent hold a preponderance of the un- day for more than two months-an attention to several factors contribut-

Getting at the Truth.

Any answer was accepted even from guage.

Any answer was accepted even from guage.

"The whole question simmers down "The whole question simmers down "'Can you read? Can you write?" messages of presidents, and the acts was taken to verify the fact. And it cent of the men in the country lack tribute in due share of energy or enumerator might get the correct an- mon ideals. They live apart from report the truth, for ability to write tremendous problem."

one's name (something which many earn to do mechanically), and the technically be regarded as ability to read and write without enabling the ndividual to read anything about what is going on in the world.

"'On the other hand,' said Professor Trabuc, 'the army classification was carefully made by men trained in the

in this way: "We have here two sets of questions to test your filness as soldiers and to determine the grade stand a written or printed order. In of work you can do. One test requires ability to read and write, and the other does not. One is no easier sponsibility, because the states have tions intended to protect them from than the other, so you will gain nothutterly failed to deal adaquately in accident. The significance of this ing in making a choice one way or the other. Now, we want first those when it is stated that injuries in who can read an American newspaper so as to understand it fairly well, and who can write a letter home such as will be understood by your family. These will take the first test, and the others who cannot read and write will take the second.' The men, with few exceptions, told the exact truth

about themselves. "There was no suggestion of a division into the "sheep and the goats." In fact, the introduction always was Some of you have not had a chance to learn to read English, and we have devised a separate test for you." The slightly easier. However, a man who tested in the highest grade in Beta proved to be just as intelligent as a grade A man in Alpha, and very

RESPIRATION OF FRUIT PROVED BY PROFESSOR'S EXPERIMENTS

Breathing Process Kept Up Considerable Time After Separation From Parent Tree or Vine.

but the fact that plants and even parts of plants must also breathe to live, and thrive, will be news to most

suit of the action of the oxygen on some of their contents it only seems to stand to reason that living cells when a part of vegetable matter must also have practically the same re guirements and do the same thing.

As parts of plants when they are

O FRUITS breathe? They do, ac- die at once it seemed to him as only cording to some very interest- reasonable that they must continue ing recent researches of Pro- to breathe. This, he has now proved, fessor Fred W. Morse, acting director is absolutely true whether the sevof the agricultural experiment sta- ered part is a leafy branch, a fruit tion of Massachusetts college. The or a root; but some parts he has then covered the support and its conrespiration of human beings and demonstrated live much longer than tents by a large jar with its mouth animals is, of course, a well-known others. The apple and the cranberry, action and the necessity for it in the for instance, continue to breathe for living creature is fully appreciated, many months after they have been removed from the tree and vine, respectively. His experiments with cranberries

demonstrated that they absorb oxygen Professor Morse began his experi- from the air which united with the ments with fruits on the theory that sugar of their cells and that they exas all living human cells must have haled carbonic acid gas just as huoxygen to keep them alive and give man beings do from their lungs. up carbon dioxide and water as a reProfessor Morse has determined that cause the oxygen was all used up. As although the fruit is sound and firm. the chief products of respiration are is well known, respiration in human For example, fruit put in cold storexactly the same to plants as in hu- beings causes a destruction of matter man beings, namely, carbonic acid in the cells much like the destruction age by Professor Morse early in Noand water. Any one by placing one of wood in a stove, and the rate at two months had lost as follows:

which will trickle to the bottom. On question which seemed to Professor due to respiration and not to simple bulbs containing caustic solutions to The length of time during which the opening the jar a little clear lime will be seen to turn milky, just as it will if a person's breath is forced

The first experiment which Professor Morse made to demonstrate that fruits breathe is both simple and interesting. He took a large basin and partly filled it with water. In the center of this basin he set a small open dish containing a solution of caustic soda or potash. On the support he placed an apple, ta'ing care to see that neither the water nor the caustic solution touched the fruit. He wholly in the water. Then he watched to see what would happen.

It was his theory that if the apple breathed in the oxygen of the air and breathed out carbonic acid the latter rould be absorbed by the caustic solution, while the water in the jar would rise in the jar to fill the space made vacant by the removal of the oxygen. This is exactly what happened, until finally the water filled about onefifth of the air space originally pres ent and that remained stationary, be-

Morse of considerable interest. under usual conditions the food which practically constant, percentages of breathes in oxygen and breathes out carbonic acid and water, but he steadily loses weight and grows thin destruction of cell material with no

food to replace it. been picked from the tree, are in the be collected and measured. same condition as the starving man. This he has proved is absolutely corcells of the fruit still keep up respirafruits have no body heat to maintain. picked from the tree. Yet there is, nevertheless, a steady, continuous

vember and weighed at intervals of

He was aware that in human beings Professor Morse believes, by the of the can. just how rapidly an apple was

in flesh because there is a steady at an ice-cold temperature, compared with another apple at 45 degrees and another at summer temperature, a that if his belief that fruits breathe fessor Morse by which the carbonic

tion with nothing in the way of food sel or can was closed by a circular equivalent to early fall. plate of glass, that rested on a narrow shelf of copper soldered around the about four to five pounds of perfectly inside of the cylinder a little below sound Baldwin apples were placed in consequently last months after being and an outlet tube was fixed in the putty. bottom of the vessel which was passing through a bent glass tube

drying out of the water was shown, collect all carbonic acid passing out carbonic acid was collected ranged The current air through the ap

they eat makes good the losses pro- water and dry matter, since if the paratus was maintained by connecting duced by respiration. A man, how- solid material was not destroyed it the absorption glass by means of rubever, may live without food for some should gradually increase in proper-time, during which period he still tion, while the water would decrease. from which a small stream was al- absolutely conclusive not only that To determine exact figures showing lowed to trickle at a rate that would fruits do breathe, but that they keep keep the air steadily bubbling up this respiration for a surprisingly changed in composition when stored through the potash solutions con- lengthy period after they have been at an ice-cold temperature, compared nected with the inlet and outlet tubes. separated from the parent and that

galvanized from tank which could be in high than low temperature and Now, it occurred to Professor Morse simple apparatus was devised by Pro- filled with water or ice when low and the more actively it goes on the temperature was desired. The temperwas correct that fruits, after having acid breathed out of the apple could atures at which most of the experiments were carried on were 52 de- and becomes the brey of organisfs This apparatus consisted of a cyl- grees Farenheit, or that of modern producing rot or death. Finally it indrical copper vessel supported on cold storage rooms, 40 to 50 degrees was demonstrated that the nearer the rect, having demonstrated that the three legs and large enough to hold corresponding to cool cellars and 68 freezing point, fruits can be held beabout six quarts. The top of the ves- to \$0 degrees, or room temporatures fore they are consumed the more

At the beginning of an experiment freshly-picked fruit.

The current of air was started Air could be drawn into the copper acid which had been collected. The apples can through the inlet tube after first length of time which had passed since Cran or more apples in a glass jar and which this destruction goes on can be covering it over can easily prove this, in a few hours a dewy film will of carbonic acid that is breathed out in the center of the barrel showing to containing a solution of caustic potash and the circulation was then stopped will exhaust the exygen of the available air space in less than 24 hours which removed any carbonic acid that is breathed out in the center of the barrel showing cover the inner surface of the jar, in a given length of time. Do plants July 1 4.71 per cent pass out through the cutlet tube yzed for carbonic acid and finally the cut off from the main stem do not which in time will collect into drops go through the same process? was a | That the shrinkage in weight was which was connected with some glass apples were removed from the can. all the appearance of asphyxiation.

from five hours to 48 hours contin-

yous circulation. Without going into technical details in reference to these experiments it The copper vessel stood inside a this respiration is much more active more quickly the fruit loses some of nearly will their quality remain like

Other investigations on this subject by Professor Morse have shown that the breathing process naturally is not the top. An inlet tube was soldered the copper chamber and the glass several troubles of cold storage men so active as in many, and they may into the vessel below the glass cover cover was firmly sealed in place with are due to lack of ventilation, such as scald on peaches and apples. It has also been shown that the softer fruits shaped like a funnel so that the gas through the apparatus and made to like strawberries respire much more would all collect around the outlet, continue until it was considered time actively than apples and cranberries since carbonic acid is heavier than air. to determine the amount of carbonic while citrus fruits are less active than

Cranberries or apples packed in