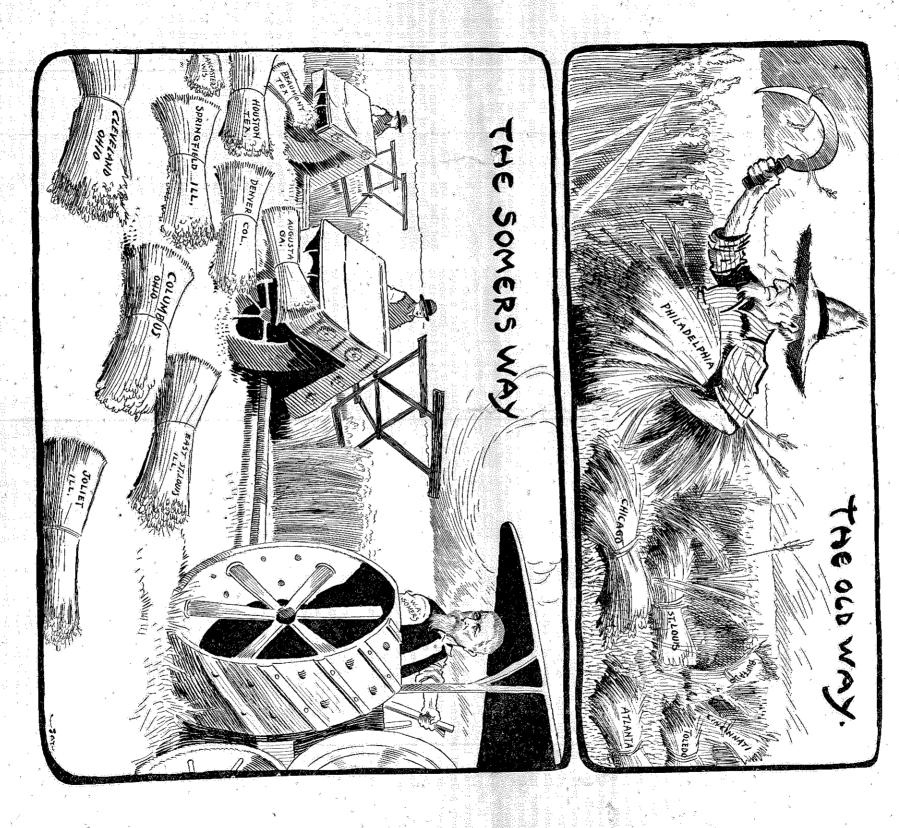
SOMERS SYSTEM

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COMPARISON OF TAX ASSESSMENT METHODS

Real Property in Ten American Cities Has Been Assessed by the Somers System With Equitable Results .-- Other Cities Have Inequitable Valuations.

Official Report on Makes Some Washington Values Impractical Suggestions

On August 20, 1912, Congressman Henry George, Jr., member of the House District of Columbia Committee, made a notable report on "Assessment and Taxation of Real Estate in the District of Columbia." This document has been published by the government and is Report No. 1215. About a year age Mr. George prevailed upon the District Committee being the other), to investigate the subject of assessments and taxation in Washington and this report would indicate, there are two divisions of the subject as treated by the Committee. The first 16 pages of the report are devoted to the assessment and the methods used, together with recommendations for the use of other methods. The remaining 24 pages are devoted to the economic side of the subject, discussing and illustrating the effect of the policy of taxation that the Assessors of Washington have foisted upon the people of the capital city. Probably no more carefully prepared statement of this phase of taxation in a large city was ever prepared. An investigation will show that practically every large city presents the same general policy and with probably the same effect. This portion of the report are well worth the proper policy to pursue in taxation. The tables, facts and comments introduced in this second part of Mr. George's report are well worth the study of student and legislator.

It is the first part of this report with which we have to do. Each community ought to settle its own policy of taxation; but all communities, whatever their policy, are interested in proper methods of ascertaining and comparing values, and not with the part of the subject treated so exhaustively in the second part of this report.

The first 16 pages of this report after its introduction, summarizes its recommendations, and then follow "notes on recommendations" to which we desire to direct attention. These recommendations and the notes thereon present so continued a conception of what ought and what ought not to be done, that we consider it at least a duty to discuss them—especially when they are presented with so admirable a document as the last 24 pages of the report would make if published alone.

The recommendations are as follows:
Administrative—(1) Full value assessments; (2) the exercise by the assessor of his full powers for the adducing of testimony relative to real estate values under oath; (3) the keeping by the assessment of a record of all important leases to aid in determining property values; (4) the publication of land-value maps and assessment sheets; (5) the establishment of a systematic method of equalizing land values; (6) the establishment of a systematic method of equalizing land values; (6) the establishment of tables of building factors and deterioration for determining the prosecution of the legal requirement of reforming the lot numbers in squares; and (8) the consolidation of lots that are portions of single buildings.

Legislative—(1) Annual, in place of triennial assessment; (2) the repeal of the fixed tax rate of 12 second assessments; (2) the repeal of the fixed annually by the requirements of the budget; (3) the recording of the true consideration in all real estate transfers; (4) the substitution of 12 field assessors for the 3 assistant assessors now on field work; (5) the abolition of the requirement for the field assessors in the field personally and the field work; (6) the power each piece of property; (6) the field assessors shall be excluded; (7) the power er to be restored to the Commissioners to remove

the assessor or any of the assistant assessors for cause. (3) the divorting of excise matrors from the assessor effects of the office of the assessor effects of the feath of the assessor effects of the feath of the assessor's office to the office of the

is given for using the unit values thereon set forth for ascertaining the enhancements at or near corners. The map used by the committee is a section of New York City surrounding Madison Square. Nearly every foot of the property included in this district, indeed every foot on Broadway and the other north and south streets, is affected by another influence than the street frontage influence itself. If the assessors of Washington were to map their whole town in the way shown by example, and place unit values on every block, they would be as helpless to use what they would then have as they are charged by the committee with being under the present plan of assessment work. In comment upon this map the committee recommends that unit foot values ought to be placed for corners and for inside property. This is a mental task that no man has yet found himself able to perform; the assessors of Toledo are the only ones we have observed attempting so absurd a rule as that, and their assessment was about forty millions less than it ought to have been, and largely traceable to this attempt. The recommendation to use landvalue maps is sound, the seeming recommendation to use them as the assessing department of New York does would be harren of equitable results.

"The establishment of a surternation of a surface of the surface of equitable results.

"The establishment of a systematic method of equalizing land where," What this probably means is that there ought to be some way to equalize after the assessment is made, if that is what it does mean, it will never solve a single problem of the assessment is made, if that is what it does mean, it will never solve a single problem of the assessment is made, if that is what it does mean, it will never solve a single problem of the assessment is made, if that is what it does mean, it will never solve a single problem of the assessment is made, if the recovery the property value, but as for equalization, it proves the problem of the assessment is made, if the recovery the property value, and that is when the correction and compiling the recommendation means a "systematic walues and that is when the sense possible, and compiling the recommendation means a "systematic walues are determined very the correction of the values are determined with the term "equalization." It this recommendation means a "systematic which the wisest recommendation means a "systematic with the values are determined with the term committee wants a law passed compiling the recommendation worthy the name, and scarcely the effort.

Under the "fight institute precummendations" in all real estate transports of lease, and it need not be easily beaten; it is only fair to say, most people, but our observation in more than fairly cities in the United States is to the effect that the passage of such a law is not worth the effort messes provide the worth if produce about as much confusion of the hards of any indicated and assessors will produce about as much confusion of the passage of such a law is not worth the effort necessary even to drift it.

The substitution of twelve field assessors for the three assistant assessors would be very unit each of worthing regardless of any office that the passage of such a law is not worth the effort ought to show anyone that it is one problem in the fire ought to be solved by one problem of the ought of the substit

niversally Uniform Judgment Possible When Somers Principles **Applied**

valuation of property for the purpose of taxarice, as viewed from any point of view, has
presented almost unaccountable difficulties. To
cure the inequalities which arise from these difficulties has been the mission of countless investigations; and the proposed remedies are
found to be at best mere palliatives. States
have sought to "equalize" the valuations of
assessors in a bind attempt to cure the results
of assessment work that has been based upon
fundamentally wrong theories, lack of system
and inexperience. That none of these dioris
has cured, is well known to every investigator
of the subject, and a loud cry goes up in every
state, every city, county and township, for some
relief from existing conditions. The same
roubles that are found that "equalization" does not
equalize. It is found, even, that the selection of
"good" men, or "competent" men to be assessments
or any state, taken as a whole, average in intelligence, in honesty of purpose, in ambition and
in integrity with the officials who are charged or
with the duties of other orfices; but they do
not and cannot under existing conditions accomraking the state as a whole—and most of the
same reasons will apply to any taxing division
within itself—we find many reasons why the
same reasons will apply to any taxing division
within itself—we find many reasons why the
same reasons will apply to any taxing division
within itself—we find many reasons why the
same the lack of improvement, the utter disregard of science, the lack of analysis, that appertains to the function of government is
there may be some fundamental reason why the
classes of property that we call "personal property" and "land" should be expected to
exist, why in fact they should be expected, there
ought not to be the inqualities within the class
in the percentage of their true value taxed, there
ought not obtain the sense for the true to be the
regard of science, the lack of analysis, that appertains to the fursion of the twa of the
State under the sense of the state and

Some of the fundamental reasons why inequities exist among the owners of real estate in any State, may be summarized as follows:

1. There is a lack of common judgment in ascertaining values.

2. There is a lack of a common method of applying judgment, no matter how obtained.

3. There is no adequate basis for comparing the value of one farm with that of another; the value of one farm with that of another; the value of one city block with that of another; the value of one city with that of another; the value of one city with that of another; the value of one county with that of another; the value of one county with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value of one part of a state with that of another; the value, especially in cities, exists in the minds of as-

especially in cities, exists that enter into sessors.

5. No analysis of the factors that enter into the value of city sites is attempted.

6. While there is a general recognition of the law of comparative valuation, there is no method, or at best the very crudest methods, of carrying that law into effect; either by assessors, reviewing bodies or state tax commissions. When we come to appraising the values of buildings and structures, we find:

7. There is no classification of buildings, either as to use or construction.

8. There is no proper or uniform inventory of building construction.

9. There is no proper or uniform method of ascertaining reproductive cost.

10. There is no proper or uniform method of depreciating building values.

The lack of knowledge concerning any one of the foregoing conditions would tend to inequity in results; the lack of knowledge of some of them would prevent equity. The absence of specific knowledge concerning all of them is the fundamental cause of the inequities that bring into being this and all other investigations. Until the whole method of valuing property for tax purposes is changed, there will be no real resultef. So far as equity in valuing real estate is concerned—which includes not only land and structures, but franchises—there is probably no need of any change in present laws, at least rone, ought, in our judgment, to be made until proper methods are used under present laws. Then it will probably be found that changes—except those that are from time to time based upon economic, rather than upon administrative reasons—will be few in number, and comparatively unimportant.

Let us look into the foregoing reasons, and ascertain it possible just how important a part each bears upon the problem in hand, and the possible solution under present laws:

1. THERE IS A LACK OF COMMON JUDG-MENT IN ASCERTAINING VALUES.

Theoretically a taxing division and an assessing division ought to be co-extensive. This is possible in the smaller taxing divisions, such as the county, bith in the absence of central direction by the State as a whole is concerned. To illustrate: There are 99 counties are used in getting at the value of the real estate of the State. Let us assume that one man in each county assesses all the land and buildings of that county assesses all the land and buildings of that county assesses all the land and buildings of that the work in the same way; they will all rick are used in getting at the value of the real estate of the State. No two of these men can or will do their work in the same way; they will all rick their tasks from different standards; they will all view their tasks from different standards; they will all view their tasks from different standards; they will be 199 different kinds of assessments. And when the assessment has been made, the State tax in yould be inequalities as between counties. Some counties would pay more of the State tax in roportion to the value of their property than would other counties. And when, coupled with this inevitable human tangle, is the desire formeted by local environment, to "keep the same taxing division, be it township, village, city or county. The levying of a level outily the same struction is found tha county where several assessors or deputies are charged with the work, each with a district comprising a part of the county. The levying of a level county is the same taxing division, be it township, village, city or county. The levying of a level county enter though the same taxing division, be it township, village, city or county. The levying of a level county is the same taxing division, be it township, village, city or county. The levying of a level county where several assessing thes; and to superintend the same taxing division, be it township, village, city or county. The levying of a level county where the county is a state Tax Common judgment, to the same taxin

2. THERE IS LACK OF A COMMON METH-OD OF APPLYING JUDGMENT, NO MATTER HOW OBTAINED.

The number of methods of applying judgment now equals the number of local assessors who work in any state. This is a situation that a state Tax Commission might cure. The local assessors would welcome assistance of this kind from a central authority. We find that they we docume it from unofficial persons who have welcome to do a good job of assessing; and anyone who can tell him something fundamental about his making his assessors if usually a man who has an ambition to do a good job of assessing; and anyone who mental rules which he could use as tools in making his assessors would use the same method should be used in very would be find how much more uniformity there would be if any in a making his assessors would use the same method should be used in every part of the State, it would be easier for the Tax Commission to detect the inevitable difference in judgment, than it is now under present conditions, where differing judgments are applied in different ways. While any assessor will be able to tell that worth \$1,000 ff one acre is worth when an inside of the same size is worth when an inside of the same size is worth when an inside of the same size is worth when an inside of of the same size is worth when an inside of of all of this work by a common method. And the values of streets, and for these troubles, and any other difficulties, rules to be used by the slaw assessors could be from the thorymiss in tit, it would be far better than the hit-or-miss is now no need of any defects has been actually accomplished by W. A. Somers, and they can be accomplished by W. A. Somers, and they can be accomplished by W. A. Somers, and they can be accomplished by The Yalue OF ONE LOTY BLOCK WITH THAT OF ANOTHER; THE VALUE OF ONE LOTY WITH ANOTHER; THE VALUE OF ONE LOTY WITH THAT OF ANOTHER; THE VALUE OF ONE INTERCUT THAT OF ANOTHER; THE VALUE OF ONE COUNTY WITH THAT OF ANOTHER.

The lack of a basis for comparisons, that are always necessary in an assessment. No one assessment of nevery detail of the assessment. No one assessor can devise this basis or work it out. The assessment of property is one of comparison from start to thish. If all the property in a taxing historict were sold every year at a fair price, and only at a fair price, the assessment would consist only in copying the sale records. Such a situation never arises, and never can arise. We must find some other method, and that method is simply refined comparison. Unless the assessed 'to make these comparisons, he can never make them accurately. The theory of some State laws, which provide that land shall be assessed 'on view' is fundamentally wrong. Comparisons cannot be made 'on view'. There are so many conditions that affect the value of real estate that a view' will not disclose them, nor make it possible to compare values. Mathematics substituted for the "on view" crudity will help amazingly.

Comparisons must begin where the knowledge is most general where there is the greatest competition for the where there is the greatest competition for the inglet where there is the greatest competition for the other than of specific lots, for it is the usefulness of streets must be ascertained, rather than of specific lots, for it is the usefulness of streets that gives value to the lots. In country districts both site and productive values of land must be ascertained, and should be known separated from all other land values, ought to be separated from all other land values, ought to be separated from all other land values, ought to be separated from all other land values, ought to be separated from all other land values, ought to be separated from all other land values, ought to be separated from all other land values, and be valued, and the local assessors.

The total particle of the local assessors.

between the same street, between blocks of the same city, between the same or recharded in the same or scholoring countries, between different cities, nor between any two pairs of the struck. And all of this comparison is necessary to equily and justice. Boards of Equilibrium of the prinsipate is an any two pairs of the struck. And all of this comparison is necessary to equily and justice. Boards of Equilibrium of the prinsipate is the first of the structure of the prinsipate in the first of the structure of the prinsipate in the first of the structure of the prinsipate of the prinsipate of the first of the structure of the prinsipate of the first of the structure of the prinsipate of the prinsipate of the first of the structure of the prinsipate of the making of the structure. For the structure of the structur

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state. Ninety per cent of the difficulty arising debreitston as there are local assessors in the
state. Ninety per cent of the difficulty arising
on this score could be optimized by the sasessor
in derising uniform rules for depreciation as
it wall as rules for the other departments of building appreciate.

In PROPORTIONAL YALUE DESIRANTS

PROPORTIONAL YALUE DESIRANTS

In In Desirate the community of the conalty, then to assess at any given percentage of
a the state of true value is directed.

It is more known, the standpoint of
the proportion. So far as land values are conactual cash value. The law says "mill" or "oose"

The would also be proportionally valued, but
the difficulty is altogether one of ascertating
the state that call yib per cent of their value,
as a value that the proportion mathematical value

The proportion. So far as land values are conwhich to carectes indemnity to express its opinto by comparison.

(a) Establishing a unit of quantity upon
which to carectes indemnity to express its opinto by comparison.

(b) Asking the community to express its opinto by comparison.

(c) Establishing a unit of quantity upon
which to carectes indemnity opinion in variation of the community opinion in value

(b) Pringing into existence workable tables
that exhibit these various mathematical relations, on a to make usable the law of comparison.

In the contract of the community opinion in variation in the law of comparison.

We have in the torogenize endeavored to keep
within the standard of the law of comparison of the careful the value of anything
ask one who knows; ith answer with what is a practical solution for the difficulty—and this sointo a state of the community opinion in variation in the proportion in the proportion in the value of anything
ask one who hances; which are well and methods to

the proportion of centers of population we have the services of

Are Foote "Invisible Government" and Pleydell the Agents in Taxation?

boes "invisible Government" include in the acope of its operations and influence the administration of the taxation laws of many of the states and cities of the United States?

Are the National Tax Association and the New York Tax Reform Association the mediums through which the big interests are attempting to supervise and influence the action of state and city taxing authorities exerywhere?

Is Allen Ripley Foote of Columbus, Ohio, the open champion in his own state of everything progressive, the guiding gallus of the National Tax Association and some other similar or gressive, the guiding gallus of the National Tax Association, the mentor of the New York, Tax Reform Association, and some other similar or ganizations—is he worthy to condemn the efformed the right and authority to condemn the efformed the right and authority to condemn the efformed associate of Allen Ripley Foote, a man who to him? C. Pleytell of New York, the Secretary of the National Tax Association of Foote and Proyell, and in some intended to the past three years, during which these the opposition of Foote and Proyell, and in some intended to the past three years, during which the conflictence from the past three years, during which the conflictence of progressive taxation reforms?

These questions are prompted by experience and observation of the past three years, during which there the opposition of Foote and Proyell, and in some intended to the past three years, during which they hear lead to the past three years, during which they here lad to believe that year of the past three years, during which they hear lead to the past three years, and progressive candidate for President, has a man worthy of trust, for he has recently appointed Preyell a member of an important Commission of bree enductors in behalt their propess, will be outlined to progressive candidate for President, has a man worthy of trust, for he accumulation of public tellular properties and actual report upon tax as remain to the enductors in behalt properties of the prese

sessments possessed so long under the old hitro-miss plan that they have come to regard them
as vested rights.

Nearly three years ago W. A. Somers, at the
suggestion of the late Tom L. Johnson, then
mayor of Clevaland, was employed by the Board
of Assessors and was installed for the re-assessment of real property under the direction of
Mr. Somers, Mr. Somers had some years before
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Assessors and was installed for the re-assessment of real property under the direction of
Mr. Somers, Mr. Somers had some years before
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numerous inaccuracies in the assessment of 1900,
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work has provent the application of the somers
spin and after some system and
the province of the somers to promate an arrangement with Mr. Somers to assist tran authorities in the application of a scientific system and been proven, there would arise
universal demand for expert sore sending at a comportions of the State of Ohio. In anticipation of
the approach mr. grower the proposal with a special to a conpropertion of the state of Ohio. In anticipation of
the appr

The members of the Columbus Board of Assessors attended the addresses by Pleydell, and soon afterwards wrote to him for information as to whether he could suggest some expert in real estate assessment work who might aid the Columbus Board of Assessors in applying the scientific principles outlined by Pleydell in his address, for the coming assessment in the City

ers, who had been employed in the New York Department, was on leave of absence, and was at that time employed in assisting the Clew York Department, was on leave of absence, and was at that time employed in assisting the Clewaland at that time employed in assisting the Clewaland at that time employed in assisting the Clewaland at the Manufacturery Appraisal Company. I have been prespondence are to the complete at a result, a contract was made with the City of Columbus for the assessors at turned over the case as bead of the Samera turned over the services of experts for the installation of the System stations of the assessors was not one of the System without charge, but charging a stand fee for the strength of the Columbus of the System stations of the System station of the station of the same and the convention of assessors and the convention of assessors in which our services were concerned.

A pamphic was prepared to assessors, and to convent the plant in unmeasured terms as an attempt to usurp the profer was to have been a columbus and servicely unfraging a stand of health would be state of Olio. Naturally supposing that public state of Olio. Naturally supposing the state on the state of Olio. Naturally supposing the opposition of the Somera of N

part to make a raid upon the public treasury of that city. In other words, he constituted himself the public guardian of assessment officials everywhere, and undertook to cast a cloud upon the whole idea of undertaking to make assessments on any basis except that of individual judgment. He pointed the finger of scorn at the City of Philadelphia for a contract made with us for the investigation of assessments there, using the phrase in black type, "Poor guilible Philadelphia!!!" He raised the question "How the taxing authorities in any city can justify themselves for making a contract similar to the one proposed to be made with the City of Philadelphia, is beyond my ability to understand."

After quoting some figures furnished him by Pleydell purporting to show the annual cost per parcel for assessing properties in various cities, which figures have been proven utterly incorrect and unreliable, he went on as follows:

"The assessment of property for taxation is a governmental function. The exploitation for private profit of a public service that is directly responsible for determining the values of property for taxation cannot be condemned too strongly. It is a return to the system in vogue in ancient Persia when despots farmed out the collection of taxes to petty satraps. It will tend to transform those who exercise the power of taxation into farmer-generals, a privileged class in France before the Revolution of 1789, who farmed or leased the public revenues of the nation and were guilty of great extortion."

He then again quoted Pleydell's endorsement of his own views as follows: "The assessment of property for taxation is a governmental function which should not be contracted out to private individuals. To determine the relative values of real estate requires the exercise of judgment and discretion, and involves not merely the doing of justice between individual property owners, but also, the determination of the amount of their contributions to the public revenues. This is too serious and vital a matter to be turned over to contractors, however well qualified they might be to furnish technically correct valuations.

"If assessment conditions in any city are had, they will not he permanently corrected by bringing someone from the outside to make a valuation by a method of their own, for, in subsequent years, the same inequalities will appear. The only way to secure good assessments is to have public officials who are capable of doing their work, and having them work out a system which can be used by them and their successors."

It should be borne in mind that neither Foote for Pleydell are or ever have been public officials charged with the duty of making assessments. They have organized the various associations from which they have secured salaries, and their associations and organizations are and always have been entirely outside of the body of officials charged with the responsibility of making assessments. They have themselves exercised, as is shown by this paper of Foote's, an effort to influence the action of public officials in taxation matters with no authority exercised, as shown by this paper of Foote's, an effort to influence the action of public officials in taxation matters with no authority exercised, as is shown by this paper of Foote's, an effort to influence the action of public officials in taxation matters with no authority exercised, as shown by this paper of Foote's, and expect in the responsibility of mathematical papers in the supposed New York assessment system was supposed to be explained. This New York System as explained by Pleydell in his pamphlet is about as effective for the equalization of assessments as it would be to put a frieght car on a level railroad track without motive power, and expect it to reach any proposed destination.

But perhaps the real motive back of the use of rules for the assessment of yeal property as it would be to put a frieght car of the real motive back of their own statements. From the sune address of foote it is disclosed that their objection was not so much to the use of the rules of the rules of the same address foote soes on and shows the necessity for the use of

erly can be compiled and published, to be supplied at the count of multication to the taxing officials of every state and province destring the same. The official adoption by any state of the same of the country of the country of the country of the same of the country of the

city, who in future looks to Foote for advice or commed, will by that act stump blunself as situation to influence in the performance in the performance of his official duties by an agent of the big. "interests," or as inexcusably ignorant of a notorious situation.

For nearly three years Foote and Pleydin have directled their attacks upon the Somers System in spite of the clamor of these self-appetited censorie of the clamor of these self-appetited under the comment of the self-appetited censories of the clamor of these self-appetited under the comment of the self-appetited censories in the City of the clamor of the self-appetited in the public officials charged with the duty of apprisiting and equaliting real property; that the public officials integer with the duty of apprisiting and equaliting real property; that we have been trying to raid public treasuries; that we can be compared to the Persian and French tax-faramers; and that the supposed New York "noles and the self-apprisition to the properties of integer with or without expert operators.

New York seem approved the Somers System in the private letters and in public decreases some private letters and in public addresses some private letters and in public addresses some private letters and in public addresses some private letters and system for appring that Judgment of a land values, and as season property in the self-approved the somers System have some the self-approved the somers System in the stronges terms in the stronges terms be and the order of the somers system in the stronges terms in the stronges terms in the str

TO ASCERTAIN the value of anything ask one who knows; his answer will be what he thinks it worth, based upon his thinking that he knows what others think it worth.—W. A. Somers.

BEWARE of the taxation "expert" who talks in generalities. Sift what he says, and you may find that he has no practical knowledge of what assessment work consists of.

THE time to equalize an assessment is when it is made, not afterwards.

olumbus, Ohio, Best Assessed City, Failed to Pay For Somers Services

The fact that two of the officials of Franklin Jointy, Ohio, in which is located Columbus, ave thus far successfully resisted the payment of the Manufacturers' Appraisal the contract rice of \$8,000 for the installation of the Somers ystem in the assessment of 1910, has naturally aused those whose jealousy has made them nemies of the Somers System, no little comfort, history of that case up to the present time is apportant, inasmuch as in all the cities where he Somers System has been used for assessment or pay its bill. And many a good citizen of Ohio's lapital City is ashamed to acknowledge that this

Band of Assessors in November, 1909, to assist in the assessors in November, 1909, to assist in the assessors and of that city. Soon afterward the Manufacturers' Appealsal Company made an aurangement with Mr. Somers for the installation of this system in other cities in Ohlo. The Communus Board of Assessors had the Cleveland Board and they were as ambitious to make a perfect assessment as were the members of the action of the Cleveland Board of the action of the Cleveland Board of the cleveland Board in the plan of the Cleveland Board of the action of the Cleveland Board and to the action of the Cleveland Board of the the somers. System and to the action of the Cleveland Board of the Company to render the accessary expert service to Install the system of the Manufacturers' Appraisal Company to render the accessary expert service to Install the system to the Manufacturers' Appraisal Company to condition the Columbus Board unanimously decided to make a company the consideration being \$7,000 for the columbus Board unanimously decided to make a fact of the Columbus Board of the Somers System as the fact contract the limit the Somers of the Work of the Columbus Board of the Columbus Board of the Work of the Work of the Columbus Board of the work of the Work of the Columbus Board of the work of the Work of the Columbus Board of the work profused to approve the Columbus Board of the Work be solved that we sail done, and that payment of the Columbus Board of the work was satisfactured by the contract the Columbus Board of Assessors of the Columbus Board of the Work was satisfactured by the contract the law season at a patient of the Columbus Board of Assessors of the Columbus to t

with the understanding that the work was to of shished by Jüly I. Durhag several months of the spring of 1910 the Company maintained in of not less than five separts in Columbus 10 carry out the wishes of the Columbus Donding the Company of the Sassasors, and the Honor of the Sassasors, and the Honor of the Sassasors, and the Honor of the Board of the Honor of the Ho

State Tax Commission as being ct as it was possible for so huge the adverse circumstances that ad to contend with. As a matching of Columbus is one of the ately and equitably assessed cities stely and equitably assessed cities states, and during the past two work was completed, the leading lers and merchants of Columbus ecognize the adequacy of the assecognize the adequacy of the assecognize the adequacy of the secognize the second the s

as nearly perfect as it was postunistation was a single as a said serious that one of the season that the state state was postunistationed by the state of the season that the united state, and during the past two fave often to recognize the advances of the season of the work was completed, the slauding when the united states, and during the past two fave of the season of the season. The season of the s

(b) If the court will consider the record and the testimony of the individual members of the Board of Assessors, which is undisputed, there can be no doubt about the truth of the statement appearing in paragraph (a) above written.

"(c) It happened that instead of calculating by the signare foot or by the front foot, the Board of Assessors calculated by another unit, practically the same. No man ever appraised then it was never appraised or recipility and its relation to adjacent property and to the street. If property cannot be so appraised then it was never appraised correctly. The Somers System and the other methods of Assessors was not illegal. These departments of the state and city and county government chalses are accurate and the others are inaccurate. If property cannot be send of the gall. These departments of the state and city and county government charged with receiving and agosting upon said report having held it legal. These departments of the state and city and county government charged with receiving and passing upon said report having held it legal, the court should, if postable, follow their opinions and judgments.

"The court should remember, too, that Claveland authorities were of the same view."

"It relator performed valuable service in appraising buildings with which the Somers System of the relator was performed available of the company of the relator was performed. In appraising buildings. This portion of the work was certainly not the work was certainly not require the avoidings of the entire contract if any part of the Sound of Assessors any court can determine the portion of the work paragraph (a) the pald. The appraisement by the Board of Assessors in countries to assessors in the Board of Assessors in the relator which had neceptance of the name of the appraisement by the Board of Assessors in the same of the sound of the relator has been paid. If the appraisement by the Board of the entire who had a certain the same of the paper of the sound of the relator has been paid. If the a

paid.

We submit the court should not follow the following of the Colrents ont law when the volution field of the following of the collection of the volution of the volution of the volution of the volution of the statutes having the same at another a robition of the statutes having braise, a trailed a constraint of the statutes having the statute of the volution of the statutes having the statute of the volution of the statutes having the statute of the volution of the statutes having the statute of the volution of the statutes having the statute of the volution of the statutes having the statutes of the court is and cannot be regarded as a method of appraisement. Therefore it cannot be a function to the assistance of relator. "Yes submit to ane question this statutes of relator in the sassistance of relator in the statutes of the court to again consider this is subjust, we beg the court to again consider this case. That the Somers System methods were to useless in the assessment of 1910, we quote the following ophitons expressed by various leading real estate men of Columbus:

The Harshall, of Marshall Brothers, says:

The general was repressed by various leading that the synthesis with most report owners that the following that the Somers System has equalized the relation would have resulted under the old way."

W. G. Meff, of the Ohio Realty and Construction Company, says:

"The Somers System as used in Columbus is on the valuations arrived at in ground values, more put the general results. We are doubtless on a more equitable and satisfactory basis than every because of them are apparently satisfied with the support of them are apparently satisfied in the valuat

How Commissioner Pastoriza Used Somers System for Equalization of Houston

At the municipal election of February, 1911, in the city work commissioners, and to his tot in the city work commissioners, and to his tot in the city work commissioners, and to his tot in the city work commissioners, and to his tot in the property of the City of Houston for tax purposes, and the grouperty was finediately upon what he knew ment over old conditions was marked, and the increased revenues to the city were great, withmore working any hardship on any one, and there has soon as he was through that year, he got has soon as he was through that year, he got has company to the end that he maintenance with the Manufacturery Appraisal Company for the end that he might know the Company was working for Assessor Heart the Company was wrise or not to install the real somers System the noxt year. He learned that the Company was working for Assessor Heart the Company was working for Assessor Heart the Company was working for Assessor Heart the Company was working operated.

He spent two or three weeks in this examination, and upon his return to Houston he recommended to the year before, his recommendation was signed to.

The work began early in October, two experts of the Manufacturers' Appraisal Company being employed. Mr. Pastoriza in vited the co-operation of the Chamber of Commerce and the Heal Estate Board. These bodies appointed committees to assist in this work, and these committees to assist he heard of the Somers System beard of the month of such solves any pointed committees to more than the solves and the Real Estate Board. These bodies appointed committees to assist high work, and these committees, and work is all the repaired the chamber of commerce and the Real Estate Board. The public was reteried to the chamber of the Somers System before, in the high the property of the buildings of the high and the company to the some was a spent of the company to the some was a

missioner Pastoriza for installing the Somers System.

Every city official endorses the new method of assessing property.

The property owners, large and small, were able to center their objections if they had any, upon the judgment that was used, and compared values of different sites because they knew that the computations were all made in the same way. For the most part these property owners expressed themselves as more than pleased with the results.

The tax rate has been decreased from \$1.70 to \$1.50.

to \$1.50.

The assessment was increased from \$62,000,000 to \$44,000,000, and yet more than 3,000 taxpayers will pay less taxes this year than they did last

year.

Notwithstanding the reduction in the city will have more money to public improvements than it did the The assessment of Houston, Texas, n in the tax rate by to expend for if the year before. Texas, as a whole

The affect resulting from the partial exemption from taxation of pareonal property and imprevention traction of pareonal property coxes, has been indiging the first act months of 1912 there, were 281 with the partial of the partial occupied by th

How **Mathematics** E Somers System Lot Computations Are Applied

asstion frequently asked by those who have come interested in the Somers System. The following statement, prepared to answer is question, applies to the most valuable block the city of Detroit, bounded by State street, foodward avenue, Michigan avenue and Grisicial street. The most prominent corner is occipled by the Majestic office building. The street nits applied to this block were valued by memors of the Detroit Real Estate Board. It is exhaps, needless to state that the tax assessifiants bore no relation to the computed values. It will be seen, by those who are interested in athematics, that a Somers System problem in aluation consists in two separate processes; ne computing the gross value of the block with ole reference to the various influences of accessibility to each lot in accordance with its size, shape and location. It will eseen from the summaries and diagrams accompanying this article that in this \$6,000,000 lock, containing many complexities of size, shape and location of lots, the variation in the totals of the two processes was just \$7.

The following recapitulation of the actual lot alues and of the accessibility values in the etroit block are illustrated in the accompanying that are illustrated in the accessibility values in the lagram B. The explanation was prepared by

Walter E. Sweeting, formerly real estate editor of The Philadelphia North American, now employed on the staff of Somers System experts, in charge of the installation of the System at Augusta, Georgia.

Overla	-	;		,		3	Total\$6,004,557		9 604,162	8 595,819	4/6,21	6	b	4 556,91	8 565,38	2 575,564	1 \$ 726,74	No. Value	Lots	ļ.			Ü
Overlap on lot No. 8-	Zones	Zones-	Zones-		-															Gris	Mich	Wor	UNITS Stat
	# 201 401	129	H	ص ع	: 22	μį	H	J 24,435	I 124,470	日 248,940	27,000	F 1,064,250	63,600	D 604,000	C 603,210	B 1,115,576	: 22	Division Value	Recapitulation	Friswold street, 4,000	lichigan avenue 5,000	odward avenue, 9,000	State street,\$4,000

In figuring any block the first operation is to ascertain the value of the alley, and thus determine the alley unit. This was done by calculating its value as though it were a lot, and dividing the gross amount thus obtained by the number of lineal feet abutting on the alley. This gives the alley unit, which amounts to \$423.08.

Therefore, to the value of a from the street units, is a the number of feet of a \$423.08.

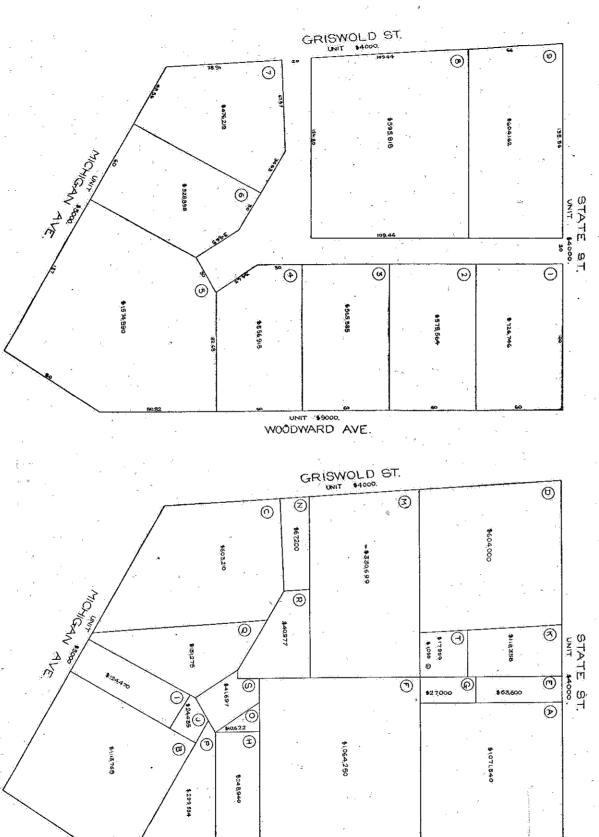
the best street. The unit values, \$9,000 on Woodward avenue and \$4,000 on State street, call for the \$9,000-\$4,000 Somers corner table. This shows that this lot takes in the first sixty of the ten-foot squares into which the great corner square is divided, and that they are worth \$701-361. But this lot has a frontage of sixty feet on the alley so we multiply \$423.08x60, and add the sum, \$25,384.80, which equals \$726,746. The odd eighty cents is considered as one dollar, if the amount had been less than fifty cents it would have been dropped.

Lot No. 2 is part within and part without corner influence. The former part measures 40x100 feet, and takes in squares 61 to 100 of the corner influences, which are worth \$370,172. The remainder of the lot, measuring 20x100 feet, is a straight computation of an inside lot, the process being simply the multiplying of the unit by the frontage (\$9,000x20) and equals \$180,000. Adding these two figures and the value of the alley frontage (\$423.08x60) equals \$575,564, which is the value of lot No. 2.

Lot No. 3 is entirely outside corner influence, its value is equal to the unit \$9,000 times the frontage or \$540,000, plus the alley value, which is the same as in lots Nos. 1 and 2, or \$25,385, making a total value of \$565,385.

Lot No. 4 is also outside of corner influence, but the computation is not so simple because it is slightly irregular in the rear. It is easily seen that this lot is readily divided into three divisions—a lot \$0x100 feet to the alley, a lot the properties will the process will cribe the four corners would by the four corners would be process will cribed in order of lot numbering.

No. 1 measures 60x100 feet, and fronts on street. The unit values, \$9,000 on Woodstreet. This corner table. This will be street to the corner table.



UNIT \$9000 WOODWARD AVE.

ring Detroit, Mich., lines and the effe in the blocks. The is within \$7 of to curacy actual lan I., block and its unit values; the actual lot ect of the streets upon the actual lots found The total gross value as shown in Diagram A total of these lots, showing with what actual of values may be distributed.

bounded by Michigan and Woodward avenues, Gris-State streets, Detroit, Mich. The unit values are inbove names of streets. This diagram exhibits the the four streets upon the various portions of the d method of distributing the gross land value.

20x282.68 feet to a corner in the alley, and a reghn-angle triangle 20x17.83x34.65 feet. The first curision is worth \$9,000x2.20 (the percentage on the depth curve corresponding to a depth of 22x8 feet) or \$2,258, which is the ryon root value, multiplied by the frontage of the argum root value, multiplied by the frontage of the strips of land one foot wide and ten feet deep at varying distances from street frontages. The cone Cards. Those cards or tables give the value of the string final reverse operation of the corner street frontages. The cone cards is triangular division to a vast number of the simple feet the simple feet of the strips of land one foot wide and ten feet deep at varying distances from street frontages. The feet of the strips of land one foot wide and ten feet deep at varying distances from street frontages. The foot is divided into a vast number of small section is worth the simulation 80x100 feet. 21x,000 cards. Livision 80x100 feet on middle the standard avenue of 10x feet from the front of the should be standed there is a small triangle cut from this for owing to the fact that there is a bend in the rear of left of way from its low of the foot. Li is because of this for owing to the fact from the rear of low owing to the fact from the round from the rear of low. A small frontage of the pot. Li is because of this for this loss of area, but as this lot owing to the fact of this loss of area, but as this lot owing to the fact of this loss of area, but as the front of the lot. Whatever value of \$20,0524. The lot only possible way from the part of the lot. Whatever the bend, the deduction is made from the rear of low of the count of the lot. The bender despite of the count of the lot. The only possible way frontage on the alley. This count of the sum due to the flow way from the same due to the loss of area in t

a total value of \$476,219. Some of the corrers in intresces extenses mist the able, but the correst in intresce of the correst in intresce of the correst in the correct in

woodward avenue, it is figured as an inside section without street frontage from the \$9,000 unit on the yalue to the yalue of the area lost in the corner square (Division B) by the turn in Woodward avenue.

Division K is an inside section state street. Its yalue is \$13,358.

Division M is an inside section between Division M and the alley extending to a inne 100 feet from State street. Its yalue is \$17,999.

Division M is an inside section between Division M and the alley extending into Griswold street, it is figured with a frontage of 75.44x in the figured with a figured as an inside street. It is figured with a frontage of 75.44x in the figured into Griswold street and is figured as an inside lot from the \$4,000 unit on Griswold street. It is valued at \$62,200.

Division Q is irregular in shape, and its value \$10,622, is ascertained by means of the \$10,000 unit on Woodward avenue. Division R, which is a portion of the alley, and of the figured street. It is regular in shape, and in order to ascertain its ralue, \$40,977, it was necessary to figure it by means of the Zone Cards from the \$4,000 unit on Woodward with the figured with a figured by means of the Lone Cards from the \$4,000 unit on Woodward with the burner of the summary to figure it by means of the figured with the figure in addition therefore. The \$1,050 is the amount of value added to this triangle by reason of its proximity to the \$4,000 unit on Griswold street.

NEW JERSEY STUDY OF LAND ASSESSMENTS

Governor Woodrow Wilson of New Jersey has recently appointed, under authority of a legislatives joint resolution, "a Commission to investigate present methods of making assessments for taxes throughout the State, and report whether changes are desirable." The findings and recommendations, if any, shall be reported to the next session of the legislature.

The resolution provides that the Commission shall consist of the President of the State Board of Equalization of Taxes, one member from the Senate, one member from the House of Assembly, and two citizens of New Jersey, to be appointed by the Governor. The Commission is to hold at least one public hearing at each county seat in the State, for the purpose of discussion and the examination of local methods and conditions and that the power to compel the attendance of witnesses by subpoena, and to punish them for failure to attend or testify. The members of the Commission are to serve without salary, but to pay expenses and clerical help an appropriation, of \$3,000 has been provided.

The personnel of the Commission is as follows: Senator Carlton B. Pierce, of Union county, introducer of the resolution, chairman; Frank B. Jess, President of the State Board of Equalization; Assemblyman Albert R. McAllister, Cumberland county; A. C. Pleydell, of Plainfield, Secretary of the New York Tax Reform Association; Jomas B. Usher, of Hudson county. William J. Keohan is the secretary, and the headquarters of the Commission are at 15 Exchange Place, Jersey City.

ASSESSORS are but human; if any citizen thinks he can do the job of assessing better than the average assessor, he ought to have the chance of trying. He would find that to do work without proper tools will be just as impossible as in the case of the assessor. No public official is compelled to do as much and as important work without adequate tools with which to do his work as is the assessor.

PRICE does not necessarily indicate value; the best that can be said of price is that it indicates the opinion of value of two people, the buyer and seller.

THE

Discusses Holdsworth of Pittsburg Real Estate Assessments

Professor J. T. Holdsworth, Dean of the School of Economics, University of Pittsburg, makes the following observation in a recent paper that he prepared on the assessment of real property: "Though proper and equitable assessment of real estate in our cities lies at the base of all municipal finance, scant attention has been given to it until the past few years. Land and improvements are being assessed in practically the same haphazard way they were half a century ago."

Short expresses the situation exactly. No function of local government is an important as that then of local government is an important as that then of local government is an important as that then of local government is an important as that then of local government is an important that then of local government is an important than the larger than the local government of the methods employed for that important in most the methods employed for that important in most cloud have remained practically mechanised in most cloud have remained practically mechanised in most cloud have remained the followed, even in the larger cities, is a few maps, in the most inacessible office room in the city half, some of the most inacessible office room in the city and expect him to sort out and value all the differing leans of value in his city.

What can the average assessor do but copy a few that is a sussessible office room in the city half the particulars at least not we of them more congested parts of the city. Such a city has probably 7,000 pieces of ground separaticly as for the city has probably 7,000 pieces of ground separaticly as indicessible office of vice, has judgment probably for the particular. Such a city has probably 7,000 pieces of ground separaticly and particulars, at least the city has probably 7,000 pieces of ground separaticly in a form in the Assessor, as it is particulars, at least of the city has probably 7,000 pieces of ground separaticly owned, and practically in or two diffice. Here are 110,000 intens of ground separaticle in particulars, and willingly grants him as for numbers and willingly grants of the precision of the largest the owner, good sa

the assessment—and all of the rest of us on the kicking.

Yet wast one of us would attempt the job of setting down the values of 110,000 ftems of value, but the first of the cast of cast of the cast

Dean J. T. Holdsworth, Cleveland, Ohio, June 13, 1912.
School of Boonomics, University of Pittsburg, Pa.

Pittsburg, Pa.

Ettsburg, Pa.

Dear Sir port on "Taxation," printed in the June Your report on "Taxation," printed in the June number of the National Real Estate Journal, is a valuable contribution to the solution of the assessment problem. When you say: "Land and improvements are being assessed in practically the same haphazard ways as they were a half century ago," you but state the truth.

However, when you class the Somers System with the Hoffman-Neil ruie, and label them both as claimed panaceas, you are doing the Somers System as grave, though probably unintentional, injustice. "Until a more scientific system is devised," you say, thus intimating at least, that the Somers System is not scientific enough, which might easily mean that it is not scientific at all.

All of which leads me to make the following observations:

The Somers System is not put forward, and is based upon the well recognized laws of the effect of the usefulness of streets upon contiguous areas or sites, of the effect of depth upon what we finally call value, and the mathematical relation of value.

of sites affected by the same street influences.

4. The use of the Somers System is the only system that comparisons of chantry of easy expression and comparisons of pulmors of value.

5. The Somers System is the only system for the assessment of sites that makes it possible to get at the somers System is the only system for the assessment of sites that makes it possible to the system of the assessment of sites that makes it possible to the system of the somers system is the only system for the assessment of sites that makes it possible to only sate sources of the community opinion, which is the only sate source that opinion by the assessor to come to final opinion of value, and it provides for the application of that opinion upon a mathematical that have been several cities, and to say that the sources system in the application of that opinion upon a mathematical that it is now, interested that the source of the system is the accomplished that the provide statement in the application of that opinion upon a mathematical that it is now, interested that the system is the second of the application of that opinion upon a mathematical that it is now, interested that the system is the second some in the application of that opinion of value, and it provides that the system is the second some in the system is an opinion of the assessment problems in the system is an opinion with the wide differences in the system is the source of the provides and introduction.

1. The strength of the real estate experts under which opinion is of the system mathous, as you make the following statement:

2. The tentry is used that solve the assessment of the same interested provides and the opinions of value, for it does not that the same strength in the opinions of value may be an early of the system in the opinions of value in the opinion

SYSTEM HAS BEEN USED Somers Unit System of Realty Valuation sen used for assessment purposes in the ing cities, since 1910:

The Somers Unit System of Realty Valuation has been used for assessment purposes in the following cities, since 1910:
Cleveland, Ohio.
Columbus, Ohio.
Springfield, Illinois.
East Saint Louis, Illinois.
Joliet, Illinois.
Joliet, Illinois.
Denver, Colorado.
Houston, Texas.
Lancaster, Wisconsin.
Beaumont, Texas.
Augusta, Georgia.
The first four cities in the above list used the system for complete assessments. Joliet and Denver used the system for the assessments of their business districts only. Houston used the system for the whole city; Beaumont, Texas, and Augusta, Ga., are just now installing the system for complete assessments. Lancaster is the smallest city that has used the Somers System; it was used in the business center of that place.

AN ASSESSOR requires something besides card indexes, maps, and fine office furniture to make an adequate assessment. Most city fathers think that all that a man needs to be an assessor is a lead pencil, some blank paper and a "field book." Some assessing officials think they have a proper system for their work when they can show fling cabinets, up-to-date maps, plenty of card systems and a well ordered business office. The results in either event are about the same—inequitable assessments, unless supplemented by a knowledge of the fundamentals of land value and a real system for applying that knowledge.

Somers System News

Four Times a Year at 28 Commercial Bank Building, Cleveland, Ohio

Mail Subscriptions 25 Cents Per Annum

THE SOMERS SYSTEM NEWS

The fundamental thing in the administration of public business is the tax assessment. If the assessment lacks equity, the whole structure of government rests upon an insecure foundation, and justice fails.

Assessments of realty are everywhere inequitable. This is universally acknowledged to be the fact. Then there must be something fundamentally wrong about assessment systems, entirely aside from any question of the ability or honesty of the men charged with the duty of administering the assessment laws.

Public officials are everywhere asking the question, "What is the matter?"

To answer this question is the primary purpose of the establishment of The somers System News. But we shall not stop at answering the question academically. We shall tell the American people how their land assessment inequalities can be cured.

In order to do this it will be necessary to controvert many wrong theories held by men of good intention. It will be necessary to prove that these theories are wrong in order to construct foundations that will support an edifice of truth.

of truth.

It will be necessary to show that there has the will support an edifice of truth.

It will be necessary to show that there has the will support and the origin of site values in land, and less constructive work in the application of these principles for the equitable distribution of the tax burden; and that W. A. Somers is the only man who has thought constructively along those lines.

It will be necessary to show that some of the men who hold high position in consideration of the public as experts in taxation matters are in fact the agents of reactionary interests; whose work, instead of being disinterested and scientific, consists largely in the promotion of mentific, consists largely in the promotion of mentific confusion concerning subjects of taxation. They spend their time, and the time of those who are influenced by them, in aimless discussions. Their reforms consist in ponderous dissertations concerning the evident things. Much is made of the separation of land and buildings, and of improved record systems. Any of these reforms could have long ago been worked out by any competent accountant. Of course you cannot correctly value realty without separation of the different elements of value, but the discovery of this fact, and the application of it, does not constitute an heroic performance.

A little idol-smashing will do a great deal of good, when Alien Ripley Foote and A. C. Pleydell are shown in their true habitaments, not as reformers, but as tax deformers. It may be that some well-meaning gentlemen who have been blind in their devotion to these gentlemen who have the ourse one well-meaning gentlemen who have been blind in their devotion to these gentlemen who have the courage to become progressive instead of reactionary officials, and to act in the interest of all the people.

While it is sometimes necessary to first demolish brush-heaps in order to clear away the place for the foundation of all of the problems of land valuation, and thus make this publication a forum for the discussion of

age real estate subject to taxation. It is true age real estate subject to taxation. It is true that the publication will be what is known as a "house organ." Its ultimate object is to promote interest in the engagement of the services of Somérs System experts to equalize realty as sessments, and to conduct investigations of such assessments. But before such engagements can be negotiated, and as a corrollary thereto, our experience has demonstrated the necessity for the destruction of brush-heaps, in the way of reactionary influences, the dissemination of true principles, and the over-coming of prejudices. There are a few tax-dodgers in every community who cannot be converted to approval of the application of a system that makes their further enjoyment of special privileges impossible. But the only way these privileges can be abolished is to show the community clearly how to discover inequitable assessments and how to make tax assessments that are equitable. When a community possesses this knowledge, the tax dodger will be eliminated, and equality and justice, with all the attendant benefits to the community at large, will prevail.

This may look like a large, man-sized undertaking for a mere business house-organ—and perhaps it is. We don't expect to convert the world far a minute, or even in a year. We shall not a few heads, but we won't stab from behind. We shall advocate what we believe to be true principles, and we shall defend those principles with a large, or towards anyone except the Doer of words. We shall try to promote the Right and the Truth, and if we fall in this effort it will be because we have no conception of what constitute Right and Truth.

WHAT IS THE SOMERS SYSTEM?

The Somers Unit System of Realty Valuation is, primarily, a system of computation.

The a collateral sense it is much more than that. There can be no computation without that a basis for that computation. That basis must be a unit of quantity that is constant. The somers System therefore must have first a unit of quantity. The collateral effect of having some unit of quantity is to make it easier for the examt constant. The convergence of quantity, the Somers System is more than a system of computation.

For the a system of computation of value of land in cities, there is no recognized unit of quantity in cities, there is no recognized unit of quantity. We say land is worth \$500 a front foot me a certain street. Until we know how deep that elaid is, whother there is any irregularity, in the lot's side lines, whether there is any irregularity in the lot's side lines, whether there is any irregularity in the lot's side lines, whether there is an alloy or not not, whether there wantly what the \$500 per foot front means as compared with the values of other frontages that we think we know how many square feet in the first illustration, for not only are all the factors therein enumerated unknown, but in addition we don't know how many square feet in the particular piece that is thus valued, nor do we know how much is near the street line.

If we say a certain lot is worth \$2 per square for which we agree is worth \$2 per square foot with the value of the piece hax door which is of a very different in the case of the street line.

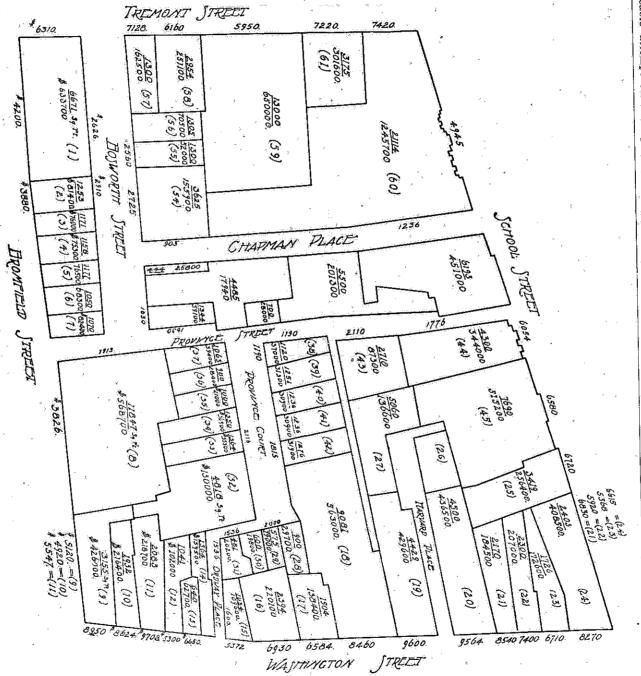
Examples of the furtility of attempting to expressed the second piece \$1 per square foot is expression might be continued indefinitely. Comparing the values of any two continued indefinitely. Comparing the values of any two continued indefinitely compared with the business district of any large city, would prove the inadequacy of the present methods of expression and some shapes that we actually find in cities, large and some shapes that we actually find in cities, large and some proper stree

qualities: It must be small exough to value seasily mad are shown to make progress in masks with a statistic of the mit-could be provided the control of the mit-could be provided the county of the mit-could be provided the county of the mit-could be provided the county of the mit-could be provided the mit-could be provided the county of the county

THERE is a mathematical relation between the value of any two sites affected by the same street influences. That relation, being mathematical, ought to be ascertained by mathematics, and not by guessing, as is now the habit of Assessors and land appraisers.

Central Boston By Somers Mathematical Assessments Analyzed Computations

System do tem of co some one of the string scale to the va age. Judgment ined, first composition of the value of the composition of the composition



ing lot lines in block bounded by Washington, School, Tremont and Bromfield streets, Boston, Mass. Figures in parentheses indicate our lot number; figures above e ach horizontal line the number of square feet; the figures below the assessment of the area for 1910; the figures outside the lot lines and in the streets indicate the assessment of the contiguous are a deduced to the value of a common unit of quantity—the Somers Unit-Foot.

he law of mathematical relation of en lots affected by the same street Wherever the lot lines run at all is mathematical relation is evidently nathematics. This is noticeably true of the small lots in Province court of the small lots in Province court mfield street. But when it is necestified street, But when it is necestified the mathematical relation of the irregular shapes on Washington other parts of this block, the method seessors were compelled to use falls

explaining the assessment purhasized that its nor to any exthe authorities to for purposes of for purposes of sessment method pest of intention he can of each lot intention in the can of each lot in-

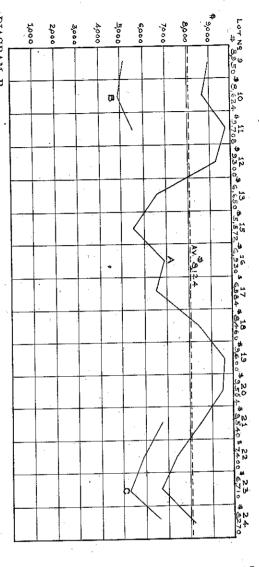


DIAGRAM B—
Showing the effect of judgment of last showing sizes and shapes. Lot No. Bromfield street, and Lot No. School street. The line A exh fect of Washington street at ea stant rather than irregular. of land value when applied to individual lots of vary. No. 9 fronts on Washington street (Boston), corner of No. 24 fronts on Washington street at the corner of A exhibits graphically the course of judgment of the efat each lot. Of course the effect of this street is con-

efforts to determining the value of the streets and expresses that l'adgment by valuing a unit foot of quantity that is always the same. It is much easier to obtain the information that is mocessary to determine proper unit values than to obtain a consensus of opinion regarding the values of individual lots, it is possible, by the use of the Somers methods, to seeme substantial agreement as to the values of individual lots, it is possible, by the use of the Somers methods, to seeme substantial agreement as to the values of individual lots, it is possible, by the use of the Somers methods, to seeme substantial agreement as to the some of the values of individual lots, it is possible, by the use of the Somers in their judgment of the values of abuormal interest influences. A rule or system is most valuable that solves the largest number of problems. If there is some local influence outside of the normal street influence, whether that finence should be separately considered in its effect upon values. These deduced unit values are placed on the map in the streets, opposite the respective lots, and to compute therefrom the unit value which would be required to produce the assessed values. These deduced unit values are placed on the map in the streets, opposite the respective lots, and show a wide difference in the values so deduced, for lots having the same street accessibility. Mr. Somers, who has given his personal attention to the mathematical work involved thereby, and on Trenon stated from \$5,000 to \$1,000, on Province street, from \$5,000 to \$1,000, on Ensworth street, and white properties and odd shape of the jobs, and to the other map and the properties and odd shape of the lots, and there may belong to more account of corrogene list of the block bounded by Trenont street and \$5,000 to \$1,000, on \$1,000, and the properties and odd shape of the lots, and the differences are possible to \$1,000 to \$1,000, and \$1,000,

portent gomes computations, some of the Jous that, by the Somers computations, some of the Jous are the assessory, while others are computed in the tree that assessory, while others are computed in the provided in the prov

According to the judgment as shown by the According to the judgment as shown by the assessment Washington street affects property \$226 less at Lot No. 10 than at Lot No. 11 at Lot No. 12 at Lot No. 12 \$2,950 more than at Lot No. 12; at Lot No. 13 at Lot No. 15 it is \$1,278 more than at Lot No. 13; at Lot No. 16; at Lot No. 17; at Lot No. 17; at Lot No. 18 it is \$1,340 less than at Lot No. 17; at Lot No. 17; it is \$1,340 less than at Lot No. 17; at Lot No. 18; at Lot No. 18; it is almost the same as at Lot No. 20, the difference being only \$46—a difference that would not be worth considering it twere the only difference found; at Lot No. 21 it is \$1,140 more than at Lot No. 22; at Lot No. 21 it is \$1,140 more than at Lot No. 22; at Lot No. 22 it is \$4,60 higher than at Lot No. 22; at Lot No. 23; at Lot No. 23 it is \$4,60 lower than at Lot No. 23; at Lot No. 23 it is \$5,60 lower than at Lot No. 23; at Lot No. 23 it is \$1,50 lower than at Lot No. 23; at Lot No. 23; at Lot No. 24.

Manifestly these differing judgments of the effect of Washington street are not all of them as seassed upon the effect of Washington street upon them as they ought to have been first neceritained by mathematics and not by guess-ling in the amount of Washington street each lot may have been based upon the difference, to be ascertained by mathematics and not by guess-ling in the amount of Washington street each lot may have been said to have absorbed. This is entirely due to the size and shape and the relatively due to the size and shape and the relatively due to the size and shape and the refect of Washington street upon a unit-foot. That being so it will be seen from Diagram B that Lots Nos. 9, 10, 18, 21 and 24 are valued slightly below its worth; that Lots Nos. 11, 12, and 23 are valued very much below their worth, the greatest discrepancy being shown in Lot No. 15.

AUGUSTA, GEORGIA, USING SOMERS SYSTEM

Assessor E. B. Hook and the City Connocil of Augusta, Georgia, decided early in August, 1912, to revise the assessment of real property in that city by Somers System methods. The work began at once and is now in progress. It is expected that work will be completed by January 1, 1913, after the first tentative unit map had been published in the newspapers, and meetings of citizens were being held. The Augusta Chronicle, lished the following editorial (date of Sept. 1), which presents clearly and forcefully to the city rathes consisted of:

"We publish on another page this morning what is called a tentative unit map' under the Somities and just what a real assessment of land proteinly to the city for the system is now being employed by the real estate assessments for 1913.

"If every other claim for the system is as fully maintained as its claim of publicity, and doing things in the open, then Augusta ought to have assessments well equalized next year. The map is unique. It presents to the eye, in concrete form, a more complete idea of comparative values in the business section of Augusta than any of us have had before.

"While we have known in a general way how values in the softences spread out before that these differences spread out before our eyes for patient comparison and study. It is an interesting exhibit, and one worth our while to examine.

"Many property owners are concerned in the surface of real streets, and their comparative value for bustons or value have been placed on the several blocks as the consensus of opinion of a consideronal transfer of people—dealers in real estate, owners and renters—men familiar with the several blocks as the consensus of opinion of a considerious or value for bustons of opinion of a considerious or value splaced, as we understand it, are tentative values—that is, they are open to discussion, and can be changed if an error is shown to have been made. It is a considered to be a matter both of the city of the ci

Philadelphia Tax-Dodgers Prevented Equitable Assessments

For the first time in a generation the year form, mayor and administration in charge of the first things that Mayor Redolph Blankenburg and his advisors found was the appalling condition of the assessment of real property. For many years the tax rate become than any administration would think twice before raising it. To increase the income therefore would necessitate an increase the income therefore would necessitate an increase of the assessment. The borrowing power of the way years the tax rate of the clay a higher assessment appeared, to the administration of the permanent in procession. It is an opinion high very widely in Philaper assessment of the extended in the assessment of the clay a higher assessment of dwellings and outlying property as approximately at full value, while business property and invited to be a fact, that as a class the assessment of twellings and outlying property as approximately at full value, while business property and invited the red while. Therefore a horizontal increase in the assessment would have exactly in some as an increase in the tax rate or apparent to the citizens of Philadelphia ever since the Somers System demonstration in that city in 1910.

The discussion in the Philadelphia the way peared and among the leading property and any proximately its full value, that have been as sessed at a property and any one apparent to the citizens of Philadelphia became variety in the property and the whole matter was a full value, that there are great inequalities in the time that ways in the property in the philadelphia have been a present assessment, that present methods of a sessessed at varying percent assessment and those who have participated in the prosent assessment while a continuity in 1910.

The discussion that summer, their brieflaged in the property in the city of Philadelphia became vacation, that a trace of the country on this is momer was to be a fact the search while a country in the city of Philadelphia become to the city would be controlled by the country of the s

sesting officials every year, but it is now getting enough to its advessing officials every year, but it is not getting its money's worth; indeed, the results justify the assertion wasted, in no city in the country in the class of Philadelphia are the methods of assessment of Philadelphia and with the Somers System in the summer and which is used for clerk hire, is worse than so obsolete, nor would what is done in Philadelphia he delphia be tolerated, the results justify the assertion is so obsolete, nor would what is done in Philadelphia and with the Somers System in the summer and that of 1910, and the industrial feel state in interesting the second of the second of the fee for services, three to investigate the assessment of real estate in the somers System in the summer and the somers System in the summer and the somers System in the second as the committee was appointed, the attention of the members of the councus had not heard of the Somers System and the somers System and the work that was then going forward in Cleveland the members was called to the Somers System and the work that was then going forward in Cleveland and columns, Ohlo, by the use of the System and the some that the sessement of the somer of \$1.00 active States and small properties were in our that of the south of the some in the south of the proper borrowing power of the city. I was also comman report that the assessment of the output by these Countlinen to well known in Philadelphia that the assessment of the system of the city. The sessements of individual properties were in our that on the system and small properties were in our the south, and between the two rivers; this cases upon those and small properties in the district of the city. Under this contract the company was to furnish all of the properties. All of these reasons were siyen for the bristness attact of the oliver than a month as sudying as Sypothem of the system of the oliver than a sessential company to the fall walled to be and the system of the oliver of the oliver of

sessment. In their wested, could anything be more arbitrary and really riductions than such an operation? At any state the Councils of Liliandephia decided to investigate, and when they got their investigating clottes on, they decided to make it a real investigation, so, that when here got their investigating clottes on, they decided to make it a real investigation, so, that were not to be specific in winderer report they might have to be specific in winderer report they might have to be specific in winderer report they might have to be specific in winderer report they might have to be specific in winderer report they might have to be specific in winderer report they might have to be specific in winderer report they might have to be specific in winderer report they might have the many were such as treamdous fast and nothers again of the somes system in the New York Tax Reform Association were schooling from their naminers of self-righteeneness. Large property owners began, to see that their under-winding the common began, and the real-time of the somes System in the New York Tax Reform Association were schooling from their naminers of self-righteeneness. Large property owners began, to see that their under-winding the common peace of the somes system in the New York Tax Reform Association were schooling from their naminers of self-righteeneness. Large property owners began, to see that their meter-winding the year going to be exposed; and the general real way sort of reform.

In the source of the seed that the many sort of reform.

In the source of the seed their investigation. And they won it on the interest the government and not of the city government. Therefore the assessor's appointed by the state ywas not the proposed to the state government. Therefore the sease of the situation of the proposed to serve the source of the state of the state. The source of the state of the state

o have a selfish pur-y, but much of it is gnorance. These op-nd generally classified

"1. A few men engaged in the real estate business, who feater that the practical standardization of real estate waters (which would be present the process of the concerns of the Somers System) would tessen their own prestige as a few as a sussible to the meles of opinion of the somers of their work of the some system) were to ordinary person. The Somers of their work of the some system in the secretainment of the community System and ways to the cannot know values; he can at the best ascertain them, just as the layman can accertain them after investigation.

"2. Real estate speculators, who have made for the cannot know values; he can at the best ascertain them after investigation.

"2. Real estate speculators, who have made for the system of the symmatic to the property at high speculative market for their property at high speculative market for their property and structure guide to the buyer and seller of true property walues. Such transactions of the lack of an accurate guide to the buyer and seller of the proving have acquired property. Inheritance, and others by purchase at low price, whose holdings have property walues. They are selface to the puyer and seller of the proving the sound and the opporties of the Somers System. Those with increased trainfuly in value through the growth of the community at lat he some system. Those with increased trainful property. These are the most selface to the work your Committee and the property of the somers we will be seased to the work your Committee and the property of the some and still an engaged to the work your Committee have been and still notes properties have been that the special property would be taxed, as the law office as the conductivy. These men, engaged in the special property would be taxed, as the law office t

ALL ASSESSMENT difficulties are traceable to the lack of analysis of the problems to be solved. While it is not strange that the average assessor should not have an analytical mind, yet it is strange that some of the highly paid officials of the great assessing departments should not develop a little along this line. Mr. Somers is the only assessment expert who has gone about his work from the analytical side of it. He thought it wise to analyze his problem before he attempted to solve it. The result is a system that does work.

SYSTEM USABLE IN SMALLER CITIES

Lancaster, Wisconsin, is the smallest city in which the Somers System has been used for assessment purposes. It came about in this way: Lancaster, a town of nearly 3,000 population, is the former home of Walter W. Pollock, President of the Manufacturers' Appraisal Com-

Mr. Pollock spent a portion of his vacation of this year in Lancaster. He found this little of this year in Lancaster. He found this little of this year in Lancaster. He found this little city as much exercised about their real estate as sessments as are the larger cities of the country. Assessor Richard Willis was about to start on his annual job of assessing, when Mr. Pollock offered to show him and the people of Lancaster how to assess their property in a scientific manner by the use of the Somers System. The offered to show him and a meeting of the business men and property owners and users was called at the court house for the forenoon of June 1. About thirty citizens attended, and after the system, so far as the unit of quantity was concerned was explained, a diagram of the central portion of the place was exhibited, and in an hour the relative values of the streets that make up the small business center were tentatively agreed upon.

These business people of Lancaster found, as they do everywhere, that they knew all there is to be known about the differences in the desirability of the various sites of Lancaster. There had been some little recent activity among them in competing for some of the more central sites on account of several business charges. All of this activity gave them a basis for expressing their judgment. Besides, many of the citizens had been up and down and across those streets all their lives, and they found that they really did know why they preferred this site to that one, and what was the measure of the differences.

The method of expressing these differences was new to them, yet they readily changed their habits of expression. They first agreed upon the best inside frontage in the city, and expressed their opinions for all other liside frontage in the city, and expressed their opinions for all other liside frontages in percentages of the best. This method made it easier for them to disregard lot lines, they got the values back into the language they were shat expression readily and quickly, and with comparative unanimity. After the percentages first judgment a trifle, as was natural when they got the values back into the language they were considered and talked over. They were published in "The Teller," the newspaper edited since 1883 the people of the town had a chance to criticise and express judgment.

The relative values of the various lots that go to make up the six principal blocks of the city were then computed by Somers System test cost appraise. The experts in Cleveland who was distributed with mathematical precision in the city of Cleveland. This point illustrates well the Somers System table and appliances did the Somers System tables and appliances did how match begin and the year. It was just as a seasy for the experts in Cleveland to tall how much base been for clerks in Cleveland to have worth in Lancaster had made to the people of very other city, were all treated

ASSESSOR H. NOW J MAYOR

Last December the startling news was felegraphed from Denver that an armed body of men had ousted the Assessor of that city from his office, so that a new Assessor could take his place. This battle took place at midnight in the City Hall, where the old Assessor had barricaded himself awaiting developments.

At the municipal election in May the Assessor who was thus onsteed Assessor of Douver in 1911. Being a business man of standing, he was nominated by the then ruling political marchine to add prestige to their ticket, and not the effect that he would be a real Assessor. At the control was elected Assessor. At the municipal election in May the Assessor was nominated by the then ruling political marchine to be Assessor in the real sense. At. Arnold was looked byton as the usual expression of an other he of the was looked byton as the usual expression of the fellow he negar at once to carry out his warming when he accepted his nomination, to the effect that he would be a real Assessor. This was nowered the surface of the same who had been escaping their just share of the tax burden.

This is not a story of all that Mr. Arnold did. Suffice it to say he began to assess the banks upon the same basis one with another, the lines surface companies in the same won had been escaping their just share of the tax burden. This was the interest of Denver. Mr. Arnold was in the marked the Summer System and the property and on May the business that he did was to install the Somers System and one of the property and so man he did was in the East burden and of the Somers System and the property and of that the work as begun. The assessor in the property and to the System and to the System and the work as begun. The assessor in the Union Sile the System only in the center, the Robert of the Arnold System and to this day it is so called the work was begun. The assessment for 1911 had been in property users was appointed; and Mr. Arnold decided to use in the system only in the center, the assessment in the city was valued, and the

NO ried o found is one PLAN of equalization that is to out after an assessment has e to work. The usual equalization e of favoritism and not of justice. to be car-ever been on operation

Springfield, Ill., May 22, 1912. Somers System properly applied produces reults so far ahead of old methods, no comparison, unhesitatingly recommend it.

BURKE VANCIL,
Tax Assessor.

Springfield, III., Taxpayers Approve Somers System Assessment is Uniform---

At the conclusion of the assessment work in Springfield, Ill., in April, 1911, Assessor Burke Vancil began to receive so many inquiries concerning the Somers System and its use by him, that he prepared a complete statement, which he sent to many inquirers. This statement is so complete in itself, outlines so elaborately Mr. Vancil's predicament as he viewed his work, and gives so intelligent an expression of the value of the Somers System based on his own actual experience, that we give it herewith in

In reply to inquiries as to whether our increase in valuation was because of, or in spite of the Sonders System, I will say in my opinion the System has nothing whatever to do with the increasing or decreasing of valuations. The result of its use, however, in most instances, is to produce a greater regregate valuation than under previous methods. This is due to the fact that the Sonders System levels up the valuations that have hereforce been grossly under valuations; the undervaluation and a great many undervaluation, congested business section of the city, thous property put on where they belong the undervaluations congested business section of the city, thous property put on where they belong the undervaluations, to very materially increase towerever, and consequently, the taxs books on account valuations, or every materially reduce the tax in the city, they have been grossly undervaluations to be the city. There was, because of white of real estate, but this increase however, the substantial increase in the business section where property per cent of its actual value. There has been an unwritten law years as the substantial increase in the business section where property values in the computed. There has been an unwritten law while for assessment purposes at about severally to eighty per cent of its real actual value, if it had only in the city per cent basis to a severally or eighty per cent of the System which appeals to take part in fixing the values on their with every portion of it, and who have watched it grow and an advised from the property which all possible in the city for sond parts and who are familiar with every portion of it, and who have w

of judgment of the compensate for possible errors e basis I will get the assessed value.

Bear in mind that the Somers System is simply a systematic process of arriving at the actual value of lands. It does not increase values, and only increases assessments where than they should be. Even in illinois, where we are accustomed to make a reduction of twenty to thirty per cent, the Somers System enables us to do this much more equitably and uniformly than under previous methods. There is nothing complicated about it, and nothing new; it simply than under previous methods. There is nothing complicated about it, and nothing new; it simply than under previous methods. There is nothing complicated about it, and nothing new; it simply than under previous methods of arriving at uniformly need to complicate about it, and nothing new; it simply complicated about it, and nothing new; it simply than under previous methods. There is nothing ready possess in an orderly and systematic way. The more I become familiar with the System, and equitable method of arriving at the value of real estate for assessing purposes.

As to corner lots, I will say that they are figured in accordance with Mr. Somers Corner Tables, using one table for business property, another for residence. The residence tables emphasize the corners less than one-half the business emphasis. In every instance where we figured out lot. values under this System, the results invariably coincided with actual sales and transactions, so I am prompted to say that the practical results are quite satisfactory.

I had little opposition. All that developed was business in the fluture. I had the support of eighty per cent of the community in the work the process in the fluture. I had the support of eighty per cent of the community in the work of the assessment as made by Assessor Vancil with the aid of the Somers System.

BURKE VANCII, Assessor.

The results of the session of 1910, the year before in the process of 1910, the year before and the solution of the solution of t

One building in Springfield was assessed in 1910 at \$10,000, whereas an examination of it in detail showed that its worth in 1911 was really only \$4,099; and another on the same block which was thought the year before to be worth \$10,500, was found to be worth only \$4,767; a building in another block was set down in 1911 as worth \$11,000, while an examination in detail showed that it was worth \$12,357. These buildings did not actually change in value in one year by the amounts showed an increase in value was really worth a little less in 1911 than in 1910; all these figures show is that it was impossible to guess in 1910 and that guess ing was abandoned in 1911 and that the Somers System methods simply provided a way to ascertain just what the values were.

The city of Springfield was divided into twensty-eight divisions of convenient size, and in each other and in the presence of each other, their opinions of value of their land. Mr. Vancilsion of the assessment work of 1911 wrote as follows concerning this interesting and value as follows concerning this interesting and value hable phase of the work under Somers System methods:

methods:

"Maps, showing the tentative units fixed by the advisory board, were published in the daily papers for the information of the property ownsers. Similar plats were also printed for distribution at the public meetings called for the purpose of discussing these values. Prior to these public meetings, the assessor personally inspected every block in the district and by the time the work was finished he had traveled over every street in the city.

"Froperty owners, who attended these public meetings, were very fair and rendered valuable assistance to the assessor. In but one or two instances was there any attempt to misrepresent the value of the property. Whenever anyone attempted to be unfair his neighbors usually interfered. Byery one was afforded an opportunity to be heard and the result was that the final units used in computing the values of the property owners themselves. Under this plan it is almost impossible for the assessor to use any other figures. In but a single instance has he found it necessary to fix a value contrary to the expressed opinions of the property owners. On the other hand he found it advisable in very many instances to use smaller units than those decided upon by the owners of the property. The assessor has also found it necessary, in certain instances, to guard against the inflation of values by owners who were offering their property for sale or contemplated putting it on the market.

"There was a remarkable unanimity of opin.

market.

"There was a remarkable unanimity of opinion at these meetings of the property owners due entirely to the opportunity to exchange ideas on the subject. This unanimity of opinion could be obtained in no other way. In order to demonstrate the fallacy of arriving at values by getting independent opinions from individuals here and there, the assessor, in the early part of his work, wrote identical letters to thirty-two leading citizens and property owners asking them to name in the order of their values, the best six business corners in Springfield. The replies from sixteen of these gentlemen indicated a first choice for eleven different corners. Three of them who seemed to agree as to the best corner front foot of the property. A well known member of the bar of Springfield fixed the value per front foot of the property. A well known member of the value at \$2,200. A well known business man said it was worth \$4,000 per foot. Yet these gentlemen could easily agree if they were permitted to discuss the matter between themselves and with other property owners in the community.

"It is upon the information obtained at these public meetings that the assessor bases his judgment; the assessor tries to be conservative and has endeavored to put all values lower rather than higher than the true values.

"Assessments under the old plan were always secret. There was never an opportunity for the taxpayer to know how his property was to be valued or to have a part in determining the values or to discuss each buildings it is not possible to give the same publicity in fixing the values or to discuss each building value at publicity we do have the same publicity was to discuss each building value at publicity we do have the same uniformity."

The Public" Reviews Somers York = T OS American Cities System

Sonners System methods was written by E. W. Sonners System methods was written by E. W. Dot'y at the request of the Endotor of "The public of Chinego, and experied in denection with in the issue of April 19, 1923. In contraction with in the issue of April 19, 1923. In contraction with the hold of the public of the Sonners System was flast used in the Apprilant Company to establish its present that department. The water of the public of the Sonners System was the Local and the public of the spend of the Sonners System was the Local and the public of the spend of the Sonners System was the Local and the public of the Sonners System was the Local and the public of the Sonners System was the Local and the public of the Sonners System was the Local and the public of the Sonners System was the Local assessment of the system, seven cities of the Omnity there has the restrict of the Sonners System was the Local and the Public of the Sonners System was the Local and the Cheward and the Apprilant Company to different and the system, seven cities of the United States have been assessment of the system, seven cities of the United States have been assessment of the system, seven cities of the United States have been assessment of the system, seven cities of the United States have been assessment of the system, seven cities of the United States have been assessment of the contract the system, seven cities of the United States have been assessment of the system, seven cities of the United States have been assessment of the contract the system seven process, and the assessment of the contract in the state of the States of the Charles and the states of the whole of assessment of the true was a state of the states of the whole of assessment of the true was the state of the whole of the whole of the whole of the contract in the state of the whole of the true was the state of the whole of t

assessment method yet used has ever produced via at such widespread satisfation as the Sonars System. System is that which cowers the formers System is that which cowers from the thing part by additional the produced make it in possible because the sonars System services make part by additional to the produced make it in possible to the first of the community of the deep make in the assessment, and help the assessment in the satisfactor of the community of the produced make it in possible because the Sonars System set the community of the produced of the community of the community of the community of the produced of the produced of the community of the produced of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the produced of the community of the produced of the produced of the community of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the community of the produced of the produced of the produced of the community of the produced of the

disclosed enough property that had escaped any taxation at all. to pay with the tax upon it in one year the entire expense of installing the system. The work there was similar to that in other cities, and real estate men, real estate owners. Chamber of Commerce members, ordinary citizens, all improved the opportunity to take part in the assessment work. The good result in Houston has been so evident that the news of it has spread to other Texas cities, many of which are now considering the installation of the Somers System for their next assessment.

sessment.

"Investigation of the Somers System methods is active also in the East. Mayor Fitzgerald of Boston has called for an investigation of its merits, and this will soon be had. The City-Wide Congress of Baltimore, an organization made up of representatives of 100 or more civic made up of representatives of 100 or more civic made up of the at city, has investigated the system and indorsed its installation there.

"The Iowa cities, many of them, have begun to study the system with the idea of using it for next year's assessment work. Many cities on the Pacific coast have inquired about and are studying the system at long range. And so it goes. The effect in each city that installs it, encourages its introduction in other cities. It, encourages its introduction in other cities. The effect in each city that installs it goes. The system at long range, and accuracy in distribution of values thus obtained, will win in the end; the Somers System is the only method yet devised that provides for these two essentials, and this fact is the secret of its success where ever tried."

Since the foregoing was published, engagements have been entered into for the installation of the System in Beaumont, Texas, and Augusta, Georgia, and at this writing the work is progressing there, with great interest on the part of the property-owners. In Beaumont, as described elsewhere in this number, certain wealthy property owners failed in their injunction suit to prevent the equalization of assessments. In Beaumont, as in Houston, a large amount of land was found not to have been heretofore assessed; and the back taxes collected have gone far towards payment of the cost of installing the System.

In Augusta Assessor E. B. Hook, a former newspaper man, has been studying the Somers cuss the work now under way with a great deal of friendliness.

NO METHOD of valuation has been used assessment purposes in as many cities as the Somers System.

THE SOMERS SYSTEM is just ordinary common sense systematically applied.

—Assessor Burke Vancil, Springfield, Ill.

The Somers System News will tell its readers the fundamental things about realty assessments.

It will endeavor to clarify the public understanding on the subject of tax assessment of real property.

It will from time to time show why present methods result as they do in inequalities for the tax-payer.

It will prove to the public that there is a remedy for the troubles that exist. And it will tell what that remedy is.

It will suggest that blaming the Assessor for what appears to be wrong in the assessment is not the way to cure the difficulty, and such action is generally found to be "blaming the wrong man."

It will attempt to prove that it is well to divorce mathematical computation from guessing—doing the guessing by itself and the mathematical problem by mathematics.

It will strive to educate Assessors in the principles of their task so that they will be more efficient public servants.

It will occasionally "show up" the false assessment prophets who are going up and down the country confusing whom they can.

It will as it goes along do what is possible for the general education not only of Assessors, but of property owners and property users as to the underlying principles affecting what is usually known as value.

And last, but not least, it will explain the utility of the Somers Unit System of Realty Valuation as the only solution up to this time for the thousand and one problems that are involved in every tax assessment of land and buildings in any city, no matter how large or how small.

Beaumont, Texas, Favor of Somers System, 501 to Taxpayers Vote in

During the early spring of 1912 the mombers of the City Council of Beaumont, Texas, together with several citizens of the same city, were returning from a trip devoted to the investigation of paving material. As they had to pass through Houston on their way home, they take the pass through Houston on their way home, they to taxation that Commissioner Pastoriza was using at the time. Having been beset with assessment troubles in Beaumont, and knowing the shortcomings of their city from a taxpaying standpoint, and having heard of what was going on in their neighboring city of Houston (90 miles from Beaumont), they were naturally curious, and determined to improve the opportunity of investigation which was at hand.

From the investigation made at that time, and from the careful attention paid to the outon and use the Somers System for the assessment of land and building values for the 1912 massessment.

Committee, took the lead in the controversy in Council; and after wiring all the cittes in which the Somers System had been used, and obtaining favorable replies from every one, all of which was reported to the Council and spread ywhich was reported to the Council decided to install upon its minutes, the Council decided to install upon its minutes, the Council decided to install the isomers System. The Mayor of Beaumont vetoed the resolution, and the Council passed it over his veto.

Work began at once under the direction of Expert William Young of the Manufacturers's Appraisal Company. When a month had elapsed, the usual stir among the "big fellows" began to be felt; and suddenly a lawsuit was begun against the use of the Somers System. Thirteen of the large land owners of the city joined in a petition to the court asking for an injunction a petition to the court asking for an injunction against the Company and William Young. The long reach of the reactionary arm of the New York Tax Reform Association was seen in the technicalities that were raised in this lawsuit. It was alleged by the plaintiffs that the Manufacturers' Appraisal Company usurped the func-

and national election in other states, because the success of candidates at the primary settles their fate. Therefore the primary day excited the people of Beaumont as it did all the people of every state. Notwithstanding the attention that was and as such elections do the people of every state. Notwithstanding the attention that was necessarily bestowed upon the primary election, the faxpaying voters of Beaumont were ready three days after to go through another election. Those opposed to the use of the Somers System, notwithstanding their defeat in court, were as active as could be expected. They issued the usual anonymous circular, signed "Good Citizens," and knowing that there would necessarily the a light vote they were sure that a gum-show campaign would win for them. A recent bond election in Beaumont polled less than 200 votes, to they figured that if there was a correspondingly light vote on the Somers System, they might, by mustering their full strength, kill the movement off and thus continue to escape paying their share of the taxes at least for another year. They mustered their full strength at any rate. They scoured the town in automobiles and they did their best. The result was, however, very discouraging to the Somers System and 71 against it. Then everybody laughed, and even the lower good-natured in their defeat, and the work of assessing Beaumont in an orderly and scient tiffic fashion was continued.

THE BEAUMONT JOURNAL TOWNS TO THE PROPERTY AND THE PROPERTY A

LINE BYCE & JUE SU LINE Vote for the Somers LIANUN MAIIRNS System Today! CRACE'S MOTHER TRAINS ON AMERICANS AND

on of the assessing and reviewing authorities and therefore its employment was illegal. This chnicality is the chief charge made by the ew York Association and its chief of staff, A. Pleydell, although it has been disproved in very investigation of the use of the Somers

System ever made.

The hearing on the injunction took four days, and was before Judge Pope. Much testimony was heard on both sides. An extract from the testimony of Chairman S. G. Burnett of the Finance Committee of the City Council, really tells the whole story as to why the Council determined to install the Somers System:

Q. You are a member of the City Council?

A. Yes sir.
Q. Are you on any of the committees that are appointed out of that body?

A. Yes sir.
Q. What committee are you on?
A. I am Chairman of the Finance Committee, and chairs an of the Board of Public Grants Committee, and Chairman of the Ordinance Committee.

Q. As Chairman and member of the Finance Committee what are your particular duties?

A. Well, I should think it would be to have oversight of the finances, or rather look after the finances and see that sufficient revenue is provided for public expenses.

Q. At and before the time as a member of the Council when you undertook to install the Somers System, did you have knowledge of the condition of the city's finances?

Q. The city desired.

Yes sir.

Did you make any effort to cure the conon there, of delinquency on the part of the revenues, and increase its revenues in any

way!

A. No, I didn't know what effort to make, except that it was very evident to my mind when I was appointed Chairman of the Finance Committee in April, knowing the city was \$50,000 behind on the first of January, and running behind at the rate of \$20,000 a year—It was very evident that some drastic measure had to be taken to provide additional revenue, and the only method I could think of was to increase the valuations, since we were up to the limit on the rate as allowed by the charter; and while we were on the trip to Uvalde most of the Council were present, and it was agreed that we should stop in Houston and investigate the workings of the Somers System, and when I returned home

other aldermen, that before any raise in the other aldermen, that before any raise in the valuations had taken place; that there ought to be some effort made to equalize the assessments, otherwise any additional horizontal rise of valuations would be an additional burden on those who already had an unequal burden in taxation, and that is the very reason that prompted me as Chairman of the Finance Committee, to install this System.

After considering the testimony three days the court decided against the thirteen eminent citizens on every point raised in the lawsuit. The decision was most sweeping.

Before the court had decided the injunction suit, but after the hearing itself was concluded, the Council met and decided to submit the whole question as to the use of the Somers System to the taxpaying voters of the city at a special eaction to be held on Tuesday, July 30. This course was determined up a after the Board of Equalization, which is really the assessing authority in Beaumont, agreed with the Council to use the Somers System this year instead of twaiting until next year, provided the people upon a vote approved that course.

So the Council took them at their word and submitted the matter to the people of Beaumont. The election day selected followed within three days of the time of the Democratic primary day.

RECENT EXPRESSIONS OF OPINION

The following extract from the official minutes of the Beaumont, Texas, City Council gives more recent expression of opinion of the Somers System:

Houston, Texas, May 22, 1912.
The Somers System of taxation is good if practically applied by your assessor.
JAMES P. WELSH, Fax Assessor.
Houston, Texas, May 22, 1912.
I regard the Somers System of taxation up-to-date and fair.

H. B. RICE, Mayor.

East St. Louis, Ill., May 22, 1912.

Somers System entirely satisfactory here; home owners greatly pleased.

L. S. McWILLIAMS, Tax Assessor.

Denver, Colo., May 22, 1912.

I heartly endorse the Somers System of taxatton.

HENRY J. ARNOLD, Mayor-elect. Cleveland, O., May 22, 1912. The so-called Somers System of land valua-tion for taxation is here regarded as a great success.

Cleveland, O., May 22, 1912.
Any system involving rules and uniform application is better than none; Cleveland land taxation system is a great success and will never be abandoned.

Secretary Board of Assessors.
Philadelphia, May 22, 1912.
To my mind the Somers System of assessment for taxation of city property is a great improvement over any other present form of such assessments.

sessments.

Ch'm Joint Com. to Investigate Tax Values.

Jollet, Ill., May 22, 1912.

Highly recommend Somers System for distribution land values; see letter.

ELMER S. GRUNDY,

Assessor.

rection on Reform in Tax Assessment

To Be Held in Beaumont, Tuesday, July 30th

The Chilizens' Gall to Action 1 may be represented to the Chilicity Council 1 to the Chilicity Council 1 to the Their Advices to the other Actions of the Chilicity Council 1 to the atherent to the in Ingalithetic Titles (1 to the Chilicity Council 1 to the council to the in Ingalithetic Titles (1 to the Chilicity Council 1 to the council to the interest to the interest the fill the Chilicity Council to the c

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THE SOMERS SYSTEM NEWS

field, published at least four times a year. has proven its worth through its use in the of which this is the first number, will be equity in tax assessments of real estate. . . can be so applied as to bring about universal cities of Cleveland and Columbus, O.; Spring-Property for the purposes of taxation. of scientific principles in the valuation of Real mary purpose is to advocate the application Augusta, Ga. Col.; Houston Joliet and East St. Louis, Unit System The Somers System principles and Beaumont, Tex.; of Realty III.; Denver, Valuation Its pri-

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The Manufacturers' Appraisal Co. is prepared to accept engagements to assist taxation officials everywhere in the equalization of their assessments, by the use of the Somers System.

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The Somers System News will be sent free to inquirers, single copies or in quantities. To insure regular delivery, send 25 cents for annual subscription.

MANUFACTURERS' **APPRAISAL** COMPANY

COMMERCIAL BANK BUILDING, CLEVELAND, OHIO