Of course the distance from the hoods to the inlet in the chimney must be considered. For every ten feet of piping add ten per cent to the fan capacity, also add ten per cent for every 90° turn in the pipe. The above figures and estimates are based upon actual experience and practical tests.

VICTORY LIBERTY LOAN.

An interesting announcement from Washington, in connection with the coming Victory Liberty Loan campaign, is that the workers in the Victory drive will be awarded medals made from captured German cannon.

An official message to this effect was received from the Treasury Department by Ben F. McCutcheon, Publicity Director of the Liberty Loan Organization, Seventh Federal Reserve District, the text of which follows:

"You are at liberty to make full use of the announcement that the Treasury Department will award medals made from captured German cannon to all workers during the Victory Liberty Loan campaign. The medal is the size of a half dollar and contains on one side a reproduction of the Treasury building and on the transverse side a certification of Loan participation. Space is left for engraving the name of the recipient."

"I heartily approve of this action of the Government in casting up honor medals made from German cannon to award to Victory Liberty Loan workers," said Charles H. Schweppe, Director of Campaign for the Seventh Federal Reserve District. "It supplies an added incentive to supreme endeavor and surely will have a good effect that will be shown in increased sales. The awarding of these medals made from cannon captured from the foe should result in bringing us a full complement of workers."

HISTORY OF MATHEMATICS AT UNIVERSITY OF CALIFORNIA.

By OSCAR SCHMIEDEL.

The University of California has recently inaugurated a new department in creating a chair for the History of Mathematics.

One given to polemics might take this for an answer in advance to a question which seems to have occurred to some, and which was asked in an editorial of a students' publication of the university in the form: "Shall we abolish the university, or shall we let it hibernate?" The implied charge being that the great institution has failed to keep in sufficiently close touch with the tendency of today toward the practical.

It is indeed befitting that the repository of the Bancroft library should seek to keep the spirit alive that breathes from those unique volumes, and should extend its scope into new fields that, though circumscribed, are fraught with peculiar promise of results.

Professor Florian Cajon enjoys the distinction of being the first appointee to the first chair of History of Mathematics established. As is to be expected from the spirit that pervades his writings, his lectures breathe, besides the atmosphere of learning emanating from the indispensable display of facts and figures, the liberal air of human sympathy and universal interest.

Three courses are given the first term of the present session; a largely attended course on The History of Mathematics and Physics, a course on The Teaching of Mathematics in Secondary Schools, and a most interesting seminar course on The History of Fundamental Concepts of the Calculus and of Fluxions.