# PROCEEDINGS OF THE FIRST GENERAL CONVENTION TO CONSIDER THE QUESTIONS INVOLVED IN MOSQUITO EXTERMINATION

Published @ 2017 Trieste Publishing Pty Ltd

### ISBN 9780649420124

Proceedings of the First General Convention to Consider the Questions Involved in Mosquito Extermination by Henry Clay Weeks

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

# **HENRY CLAY WEEKS**

# PROCEEDINGS OF THE FIRST GENERAL CONVENTION TO CONSIDER THE QUESTIONS INVOLVED IN MOSQUITO EXTERMINATION



# **PROCEEDINGS**

OF

# THE FIRST GENERAL CONVENTION

TO CONSIDER THE QUESTIONS INVOLVED IN

# Mosquito Extermination

HELD BY INVITATION IN THE
ROOMS OF THE BOARD OF TRADE AND TRANSPORTATION
MAIL AND EXPRESS BUILDING
BROADWAY AND FULTON STREET, NEW YORK CITY

ON

WEDNESDAY, DECEMBER SIXTEENTH, 1903

SECOND EDITION

BROOKLYN
EAGLE BOOK PRINTING DEPARTMENT

1904

785

EDITED BY

HENRY CLAY WEEKS.

77C 116 C76

## PREFACE.

Transportation, by courtesy, were opened to the convention, which begun with about one hundred persons present and was increased by others, so that including those who stayed only part of the time there were in all about 150 in attendance.

In the preparatory correspondence it was universally conceded that such a convention was desirable, but some thought it doubtful whether enough interest could be awakened to get any number together, considering the time of year, the hour of day, and all. The convention adjourned at 5 P. M.

Engineering News, one of the most progressive publications issued, had a long summary of the addresses and the following is taken from its editorial page:

From ridicule to respect has been the changing attitude of the public on the recent proposals to exterminate mosquitoes. Such tangible results have now been achieved and the hearty co-operation of such a large number of property owners, entomologists, engineers, sanitarians and public-spirited citizens generally has been secured as to make possible a well-attended conference of representative men, at which papers on various aspects of the mosquito problem were read and steps taken to form a permanent national organization to combat the mosquito nuisance and menace. As a conference the gatherite of the men who presented them. As a discussion of vital, economic and sanitary questions, affecting the comfort, prosperity and health of millions of people, the remarks were of a distinctly practical, rather than theoretical character. Prominent New York men of affairs told of the satisfaction they had derived from money and time expended in exterminating mosquitoes on their Long Island, Staten Island and New Jersey estates. Engineers and entomologists told of their part in the study of the problem and in its successful solution. No one questioned the possibility and feasibility of reclaiming any mosquito-infected section and of suppressing both malaria and yellow fever, if individuals and municipalities would co-operate, and, in case of large areas, if State and perhaps National governments would join in the work. Except for preliminary studies, however, local action alone will generally be sufficient. Once the biological side of the question has been determined, funds raised, and private and public co-operation secured, the work of mosquito extermination generally resolves itself into the engineering problems of drainage, filling, and, in some cases, the construction of dams or tide gates to control water levels. Quite aside from the advantages of mosquito extermination, great as they may be, are the possible commercial profits due to the reclamation of vast areas of rich swamp and marsh lands, now serving as breeding

The walls of the room were placarded in large type with some appropriate sentences from workers, as follows:

"It is my firm opinion that, widespread as the interest in mosquito extermination seems to be at present, it is not a temporary interest but the beginning of a great and intelligent crusade."—

L. O. Howard in the Century, July, 1902.

"Mosquitoes should not be tolerated in a community any more than smallpox."—W. J. Matheson, 1900.

"It is possible to practically rid our region of mosquitoes,"— North Shore Imp't. Ass'm., L. I. Report, 1901,

Form the Anti-Mosquito Habit!

"One can positively assert that malaria annually costs Italy incalculable treasure."—Calli.

Let our Motto be: "No Stagnant Water." - Worcester Board of Trade, March, 1903.

"Newark marsh section has about 40,000 acres in all, worth say \$400,000. Manhattan Island has about 10,000 acres net on which the taxable valuation (1903) is \$3,483,000,000; real value probably five billions. Ratio, I to 50,000. Thus do mosquitoes and mosquito conditions affect other considerations besides public health."—
H. C. W.

An illustrated article from the Mail and Express December 12, 1903, on "Reclaiming Waste Land in South Brooklyn," by H. C. W.

# CONTENTS.

# Participants' Papers, Addresses, Letters, Etc.

PRESTON H. BAILHACHE,	PAGE
Surgeon U. S. Public Health and Marine Hospital Service.	
The Extermination and Exclusion of Mosquitoes from our	
Public Institutions	27
WILLIAM H. BALDWIN, JR., Esq., New York and Long Island.	
President L. I. R. R. Co. (Penn. R. R.)	83
What Railroads Can Do	40
77 700 200 200 200 100 100 100 100 100 100 1	- qu
FREDERICK C. BEACH, New York and Stratford, Conn.,	
Editor "Scientific American," New York.	
What the General Government Should Do	55
WILLIAM N. BERKELEY, A.M., M.D., New York,	
Author of Works on Mosquitoes.	
The Exactness of Proofs of Transmission of Malaria	35
JOHN CLAFLIN, Esq., Morristown, N. J.,	
President H. B. Claffin Co., New York,	
Extermination Work by Morristown Improvement Society	24
PAUL D. CRAVATH, Esq., New York and Long Island,	
Counselor at Law.	
How the Law Should Aid	0220
HOW the Law Should Am	50
ROBERT W. DE FOREST, Esq., New York and Long Island.	
President Tenement House Commission.	
Chairman of Convention	11
DEPARTMENT OF HEALTH, New York.	
Work and Circulars, Illustrated. (Appendix A)6	2-77
E. PORTER FELT, Sc.D., Albany, N. Y.,	
State Entomologist.	
New York State's Part in Mosquito Extermination	122
New York State I Part in Mosquito Extermination	52
WILLIAM C. GORGAS, M.D.,	
Colonel and Assistant Surgeon-General, U. S. A.	
Mosquito Work in Havana, Cuba	48
a ki (bila #ki ki ki 시간 하시다) 사람들은 사람들은 사람들은 사람들이 가지 않는데 하시는데 하시는데 하시는데 하시는데 하시는데 하시는데 하시는데 하시	-

## CONTENTS-Continued.

LELAND O. HOWARD, Ph.D., Washington, D. C.,  Permanent Secretary American Society for the Advancement of Science.	AGE
The World-wide Crusade	19
WALTER C. KERR, Esq., New York and Staten Island, President Westinghouse, Church, Kerr & Co., New York.  What a Rural Community Can Do	16
ERNST J. LEDERLE, Ph.D., New York, President of the Department of Health.  The Sphere of Health Departments	34
WILLIAM J. MATHESON, Esq., New York and Long Island, President W. J. Matheson Co.	700
Does Extermination Exterminate Mosquitoes?	21
SPENCER MILLER, Esq., New York and South Orange, N. J., Engineer Lidgerwood Manufacturing Co., New York.	
The Long Distance Theory	42
ORGANIZATION OF NATIONAL MOSQUITO EXTERMINATION SOCIETY.	
(Preliminary)	82
J. C. PERRY, Passed Assistant Surgeon, U. S. Public Health and Marine Hospital Service.  Anti-Masquito Work.	31
RESOLUTIONS ON PERMANENT ORGANIZATION, ETC.	
TURNOUS ENGRESSES SANCES SAN III NAMANOS AN	39
JOHN B. SMITH, Sc.D., New Brunswick, N. J., State Entomologist of New Jersey.  How a State Appropriation May Be Used	22
Estrational Committee (Committee Committee Committee) (Committee Committee C	13
SOUTH ORANGE, N. J., IMPROVEMENT SOCIETY, CIRCULAR, Illustrated	8-81
VICE-PRESIDENTS	12
VOTE OF THANKS	59
HENRY CLAY WEEKS, Bayside, L. I., Engineer in Economics.	
Call to Order	
PROF. MILTON WHITNEY, Washington, D. C., Chief of Division of Soils, Department of Agriculture. The Value of Reclaimed Swamp Land for Agricultural	
There.	46

# ILLUSTRATIONS.

Dr. Leland O. Howard, Chief of Division of Entomology.
Department of Agriculture
A STRATEGIC POINT ON CONEY ISLAND CREEK.  Manhattan Beach Branch L. I. R. R. Crossing,  Controlling 500 Acres of Breeding Groundsfacing page 4
A PEST HOLE IN THE MIDST OF CIVILIZATION.  The Dooley Lane Public Dump In Sheepshead Bay, Brooklyn—Marsh and Dwellings, between pages 66-6
Another View of Dooley Lane.
Where Mosquitoes Bred Strongly in Stagnaut Water Under
Houses and in the Openbetween pages 66-6
A CITY STREET WHICH IS A MARSH.  The Dwellings on Van Sicklen Avenue, Coney Island, for 200 feet south of Neptune Avenue Stand in Water and are Reached Over Foot Bridgesbetween pages 66-6
Acres of Marshes, Brezding Mosquitors, Lie Along the South of Neptune Avenue, Coney Island between pages 66-6
THE HOG POINT CEDARS AT SHEEPSHEAD BAY.  Dwellings Are Reached Over a Foot Bridge Through a Vast  Breeding Ground, Really Reclaimedbetween pages 66-6
CULEX AND ANOPHELES MOSQUITOES.  Identifications by N. Y. Dept, Health Circular, Original illustrations by Berkeley
THE RATIONALE OF MOSQUITO BEREDING AND EXTERMINATION, Illustrated in South Orange, N. J. Impr't Society Circular 7
IDENTIFICATIONS BY PHOTOGRAPHS FROM LIFE.
By William Lyman Underwood 8