

**THE ABUSE OF THE STEAM JACKET
PRACTICALLY CONSIDERED, WITH
A STATEMENT OF SOME OF THE
REQUIREMENTS FOR OBTAINING
BENEFICIAL RESULTS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649367108

The abuse of the steam jacket practically considered, with a statement of some of the requirements for obtaining beneficial results by William Fletcher

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

WILLIAM FLETCHER

**THE ABUSE OF THE STEAM JACKET
PRACTICALLY CONSIDERED, WITH
A STATEMENT OF SOME OF THE
REQUIREMENTS FOR OBTAINING
BENEFICIAL RESULTS**

THE ABUSE OF THE STEAM JACKET.

THE ABUSE OF
THE STEAM JACKET

PRACTICALLY CONSIDERED

With a Statement of some of the requirements for
obtaining beneficial results,

BY

WILLIAM FLETCHER,

MECHANICAL ENGINEER.

WITH ILLUSTRATIONS.

LONDON:—E. & F. N. SPON, 46, CHURCH LANE.

Basingstoke:—

PUBLISHED AND PRINTED BY CHARLES J. JACOB,

1878.

All Rights reserved.

186 b1. e. 7.



THIS WORK
IS RESPECTFULLY DEDICATED
TO ALL
WHO ARE ENTRUSTED WITH THE DESIGNING—
MANUFACTURE—ERECTOR OR DRIVING OF
THE STEAM ENGINE
BY
THEIR OBEDIENT SERVANT,
THE AUTHOR.





P R E F A C E .



The ORIGIN of this little book may soon be told.

Some two years ago I purposed writing a letter to one of our Engineering Journals on the Steam Jacket, in reply to a correspondent who sought information on the subject, for which object at considerable trouble (for the literature of this subject is most meagre) I collected a tolerably large amount of information, but owing to the time devoted to the search, I was led to relinquish the idea of the letter, but continued the study with a view at some distant date of writing a Treatise on the Steam Jacket, this idea is now being carried out, the "Complete Treatise on Steam Jacketing," is in active preparation, and while busily engaged with this work, I was astonished to find that very little or

nothing had been said respecting the misapplication of the Steam Jacket, or Its Abuse as I have termed it, notwithstanding that in practice the utility of about four out of every six Jackets that I have examined was very much impaired, if not wholly destroyed, occasioned by their imperfection; which accounts for the appearance of this little treatise, wherein I have sought not only to point out the defects in many steam jackets in use to-day, but also to lay down some principles relating to their proper design and application, and seeing that this book furnishes the only information on this neglected subject, I trust that the contents may prove of some service to designers and makers of steam engines.

I may mention here, that the fact of the scarcity of Engineering books written by practical men* has served as an incentive to energy, and caused me to hope that this first literary venture, emanating from the drawing office and works, may, (irrespective of its faults) meet with some measure of support and approval.

* Well written, practical books, from the pens of competent practical men, are as scarce, and nearly as valuable as gold. "The Engineer," 17th May, 1872.