

**FATS AND FATTY DEGENERATION:
A PHYSICO-CHEMICAL STUDY OF
EMULSIONS AND THE NORMAL
AND ABNORMAL DISTRIBUTION
OF FAT IN PROTOPLASM**

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TO
Louella Chapin
TEACHER, COUNSELOR AND INSPIRATION DAILY
TO A THOUSAND YOUTHS

43260

Breath and all in your composition that is igneous naturally ascend, yet, obedient to the order of the whole, they retain their place here in the compound. The earthy and humid parts, on the other hand, naturally descend, yet are raised and retain a position other than their natural one. Thus the elements, wheresoever placed, obey the law of the whole, waiting till the signal be given for their dissolution.

MARCUS ADRIANUS.

PREFACE.

THE following pages give in collected and somewhat amplified form the results of experiments which have not previously been published in English, excepting in abstract form in *Science*. While our earlier colloid-chemical studies had compelled a desultory consideration of some of the problems here dealt with, this detailed study of the question of the fat in the cells is less than two years old. We turned to this fat problem in order to escape from older colloid-chemical studies on cedema, nephritis and allied subjects.¹ In this, however, we were early doomed to disappointment. Without intent on our part, the conclusions of these newer studies dovetail with and corroborate the older ones. A house previously looked at from within is here seen from without -- but it is the same house.

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July 20, 1916.

¹ See "Cedema and Nephritis," second edition. John Wiley and Sons, Inc., New York, 1915.

