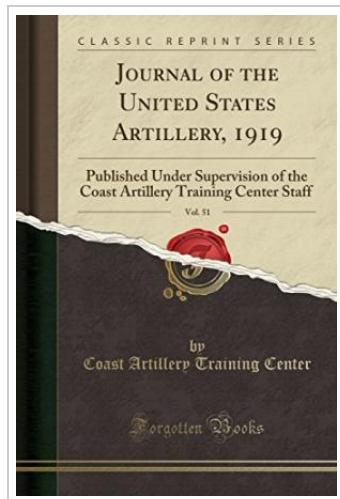



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Journal of the United States Artillery, 1919, Vol. 51: Published Under Supervision of the Coast Artillery Training Center Staff (Classic Reprint) (Paperback)

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Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Journal of the United States Artillery, 1919, Vol. 51: Published Under Supervision of the Coast Artillery Training Center Staff It is the object of this paper to discuss methods of obtaining information as to wind movement aloft. Air density is of course an important factor in firing but the methods of obtaining it are different. The method now used to secure wind aloft data is the observation of small pilot balloons which are allowed to drift freely in the wind. The balloon is inflated with hydrogen and its movements are observed by means of a theodolite as it rises through successive layers. The balloon picks up the horizontal motion of the air practically instantaneously and the drift of the balloon gives the wind in different layers. These balloons are of two sizes; 6 inches and 9 inches in diameter. They are made of rubber and generally of two kinds, red and colorless. On cloudy days, red balloons are more easily observed than colorless ones. The smaller balloons are distended to a diameter of 20 to 30 inches when inflated....



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