

COPY.

HOTEL CECIL,

LONDON, W. C.

Thursday, 26th Oct. 1905.

The Smith-Condit Arms Company,

PHILADELPHIA.

Gentlemen:-

We arrived here last Saturday evening, and having on the arrival of the steamer at Queenstown telegraphed my friend, the Mechanical Superintendent, at the Government Arsenal, that I would reach here late in the afternoon of the next day (Saturday), we found a reply from him awaiting us on our arrival, making known that he would call at the Hotel at 6 o'clock. He took dinner with us and we spent the evening together, looking over the rifles, etc. He was very favourably impressed and before leaving he arranged that we should go out to the Armoury on Monday afternoon last and exhibit the rifles to the Civilian Superintendent, Dr. Aston. Before leaving for the Armoury on Monday I sent a communication to the Director of Artillery at the War Office, making known our arrival and asking for an appointment for such a day and hour as would suit his convenience. Not until to-day did I receive a reply, which was in the form of a telegram asking if we could call at the War Office with the rifles to-morrow (Friday) morning. My intention is to write you another letter to-morrow informing you of the result of that meeting, at which I expect will be present the Small Arms Committee. I also expect that after viewing the rifles they will appoint a day for us to go to Enfield or elsewhere to fire them in their presence. That day will be some time next week.

We went, however, last Monday afternoon, as arranged with the Mechanical Superintendent, to Enfield with the rifles, not for firing but to show them to Dr. Aston, as stated above. He and Dr. Aston appeared very favourably impressed, and after spending the evening with the Mechanical Superintendent at his residence, we returned here late in the night.

Unless the War Office appoints a day to prevent, we expect to leave for Birmingham between the middle and latter part of next week, ending Saturday November 4th.

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The first part of the report is devoted to a general  
 description of the project and its objectives. It  
 is followed by a detailed account of the work  
 done during the period covered by the report.  
 The results of the work are then discussed, and  
 the conclusions reached are stated. Finally, the  
 report ends with a list of references and a  
 summary of the work done.

The work was carried out in accordance with the  
 programme of work approved by the Committee in  
 1954. It was divided into three main parts:  
 (a) the study of the physical properties of  
 the material, (b) the study of the chemical  
 properties of the material, and (c) the study  
 of the biological properties of the material.  
 The results of the work are discussed in the  
 following sections.

(a) Physical properties. The physical properties  
 of the material were studied by means of  
 X-ray diffraction, infrared spectroscopy, and  
 electron microscopy. The results of these  
 studies are discussed in the following sections.

(b) Chemical properties. The chemical  
 properties of the material were studied by  
 means of elemental analysis, mass spectrometry,  
 and infrared spectroscopy. The results of  
 these studies are discussed in the following  
 sections.

(c) Biological properties. The biological  
 properties of the material were studied by  
 means of cell culture, animal experiments, and  
 human trials. The results of these studies  
 are discussed in the following sections.

The following table gives a summary of the  
 results of the work done during the period  
 covered by the report.

Property	Result
Crystal structure	Orthorhombic
Chemical composition	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub>
Melting point	100°C
Boiling point	200°C
Density	1.2 g/cm <sup>3</sup>
Refractive index	1.5
Optical activity	None
Biological activity	Antibiotic

The work done during the period covered by  
 the report has been of a preliminary nature,  
 and it is hoped that further work will  
 be carried out in the future.

Mr. Smith and I both received the letters yesterday that you had directed to this Hotel, for which we thank you. I am pleased to read therein that the prospects seem so bright for interesting one or more of the parties you mention on some line or other.

I remain,

Yours very truly,

(Signed) C. M. Dally.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
5500 S. UNIVERSITY AVENUE  
CHICAGO, ILLINOIS 60637

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TO THE DIRECTOR OF THE UNIVERSITY OF CHICAGO

COPY.

HOTEL CECIL,

LONDON, W. C.

Friday, Oct. 27th 1905.

The Smith-Condit Arms Company,

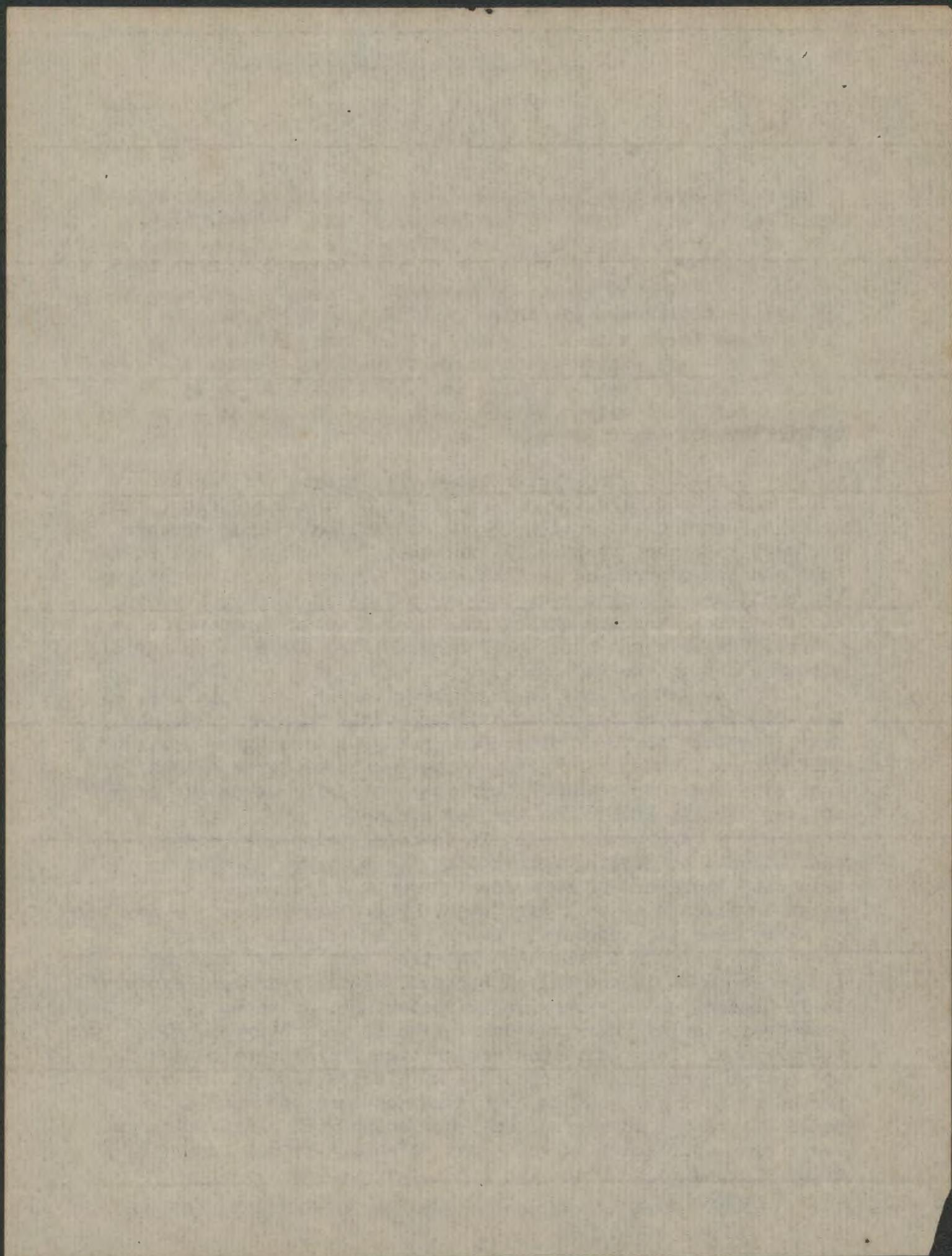
PHILADELPHIA.

Gentlemen,

We kept our appointment at 11 o'clock this morning with Col. Haddon, the Director of Artillery, at the War Office, and after a thorough inspection of our models, he and his brother officers were very favourably impressed, so much so, that it was then and there arranged that we should present ourselves before the Small Arms Committee at the War Office on Monday, Nov. 6th, at 12 o'clock, thereby giving that body also an opportunity to inspect the Arms and then to arrange to fire the arms at Enfield within a day or two following.

As I have made an engagement for Mr. Smith to meet the principal Director of the Vickers-Maxim Company on Monday next, the 30th inst., I will defer going to Birmingham until the next day, which will give us the remainder of next week in that city and then returning here the following Monday in time to keep our appointment at the War Office.

I have been filling in the time this week between appointments by getting before the Nobels, whose Manager in this city had heard of my arrival through a friend and sent me an invitation to call upon them. These people, as you may be aware, are the principal Powder people of this country, standing very much in the same relation here and in Europe as the Du Ponts do in the United States. Their principal factory is in Glasgow and the Managing Director, Mr. Johnson, is a brother-in-law of their representative in this city, a Mr. Wotherspoon. This gentleman has written the Glasgow house of my arrival here and the object of my mission, and is to arrange for me to meet Mr. Johnson when he comes here the week after next. His house is very closely connected with the Birmingham Small Arms Co., and I expect I may be able, through them, to bring a pressure to bear with the latter Company.



I have also had two or three sessions with the Vickers-Maxim Co. on the subject of one-pounders, and, as said before, have arranged to bring Mr. Smith before them on Monday next with his drawings.

In my next letter of Saturday of next week I hope to be able to report the situation as I find it at Birmingham. I am in close touch with Accles and I have advised him to-day that he can definitely expect us next Tuesday. I have had two or three letters from him while here, and while he is at the present suffering with a severe cold, says he expects to be out by the time we reach there.

Yours very truly,

(Signed) C. M. Dally.

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Extracts from Letters to the Smith-Conditt Arms Company  
from its Representative in England.

Nov. 6th, '05.

We made a very good impression to-day before the small arms committee at the War Office, and to-morrow we will meet them again at the range at the Enfield Armory to witness the firing tests. 7 or 8 officers comprise said committee, and they all seemed pleased with the rifles, ably explained as they were by Smith. By the next mail I will send you an account of the firing to-morrow.

Next week at *Birmingham* we will meet the *Birmingham* Small Arms Company. This is the largest and most responsible of all the gun companies of that region. That concern appears anxious to acquire our rights and it looks very much as though I will get to a negotiation with them when I return to *Birmingham* they don't like to take it on any other than a royalty basis. I left them to think our proposition over, which subject to your approval, is \$15,000 cash and \$1.00 per rifle royalty, also a minimum guarantee of \$5,000 per year for 5 years.

\* They have plenty of surplus with which to purchase our rights, if they thought proper without going to their shareholders for aid.

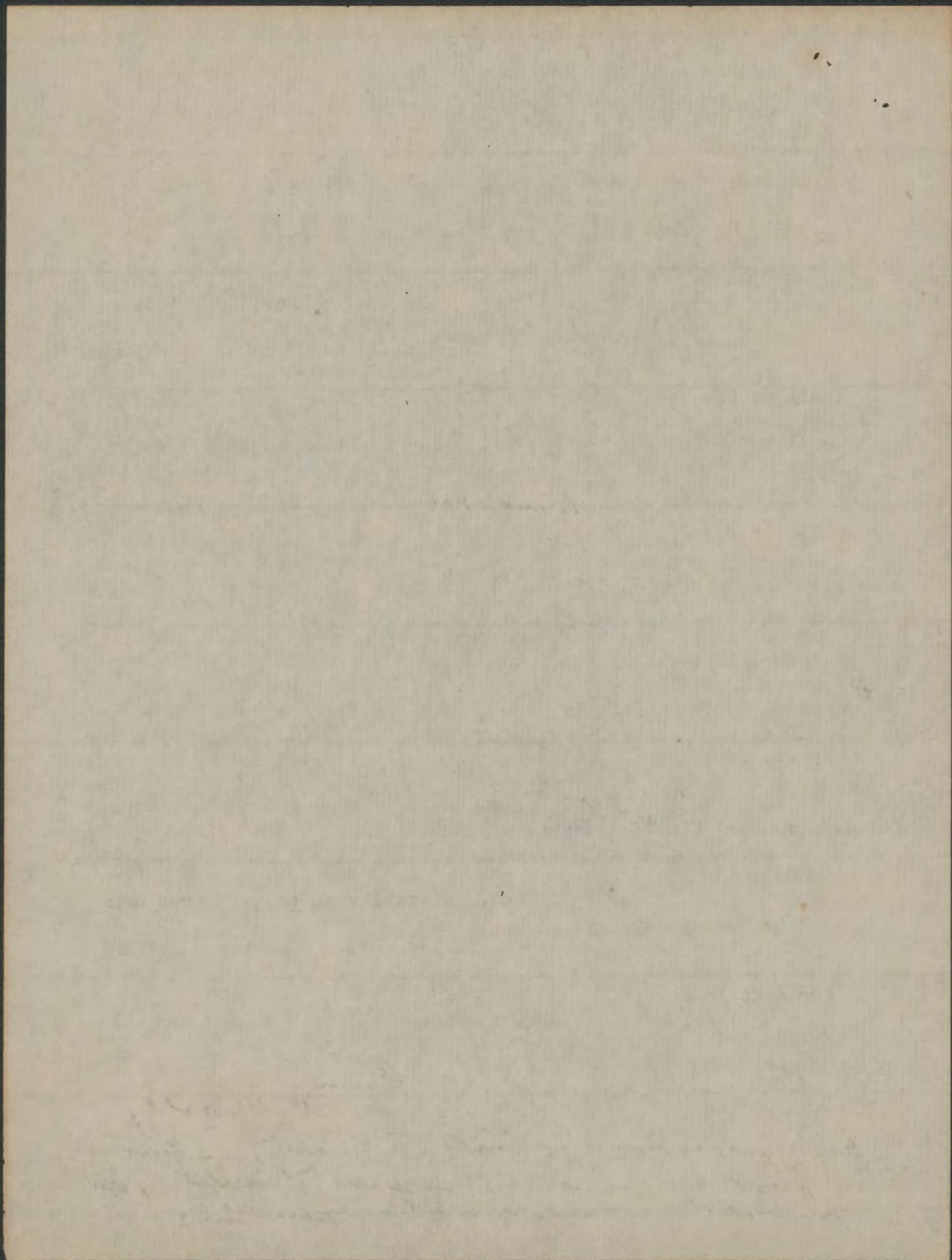
The *Vickers-Maxim* Company has our One-pounder under consideration and the *Hutchins* Company will have it also after Wednesday. At some time we have to meet with parties who have within a short time past started a new Ordnance factory and may be induced to take on our full line. We will meet their London manager on Wednesday.

I enclose letter from Chief Haddon of the War Office, confirming our understanding for the firing of the rifles to-morrow at Enfield.

I almost omitted to tell you that the Remingtons paid the Brownings \$10,000 cash and \$1.00 royalty to cover both rifles and shotguns.

From  
C. M. Dally

\* This proposition is for the British rights on Sporting rifles only, and does not include the Military Rifles, nor the machine-guns, One-pounders.



COPY.

Thackeray Hotel,

Great Russell Street,

London, W. C., Nov. 8, '05.

Smith-Condit Arms Company,

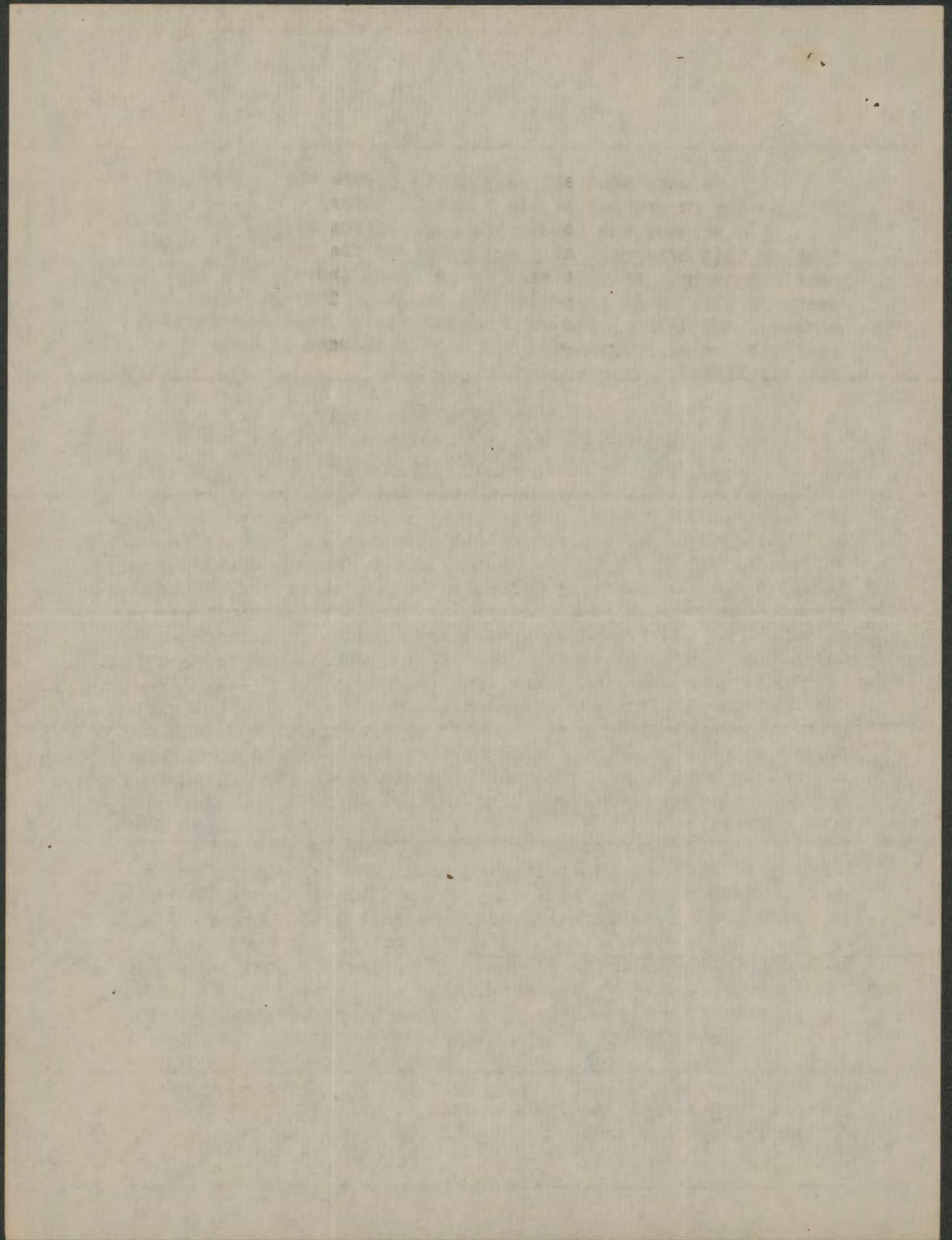
Philadelphia.

Gentlemen:-

We had our first firing exhibition yesterday at Enfield before the Small Arms Committee who went down there by the same train with us, and am happy to say it passed off without a single hitch. We fired both sporting and military automatics, using up nearly 100 rounds in the latter, after which, taking apart the military rifle at their request, to enable them to observe how foul the tube may have gotten, to their astonishment they found it absolutely clean. They must have telephoned the result to the War Office, for as we were leaving a request came over the phone from there that Sir *James Wolfe Lawrence* Chief Master of Ordnance, was anxious for us to fire the rifle before him at Enfield next Monday. We of course expressed our willingness to do so to the Committee, and they are to be there likewise. This breaks into our plans to go to Birmingham that day, but we must bend everything to the wishes of the government officials.

After the trial yesterday we took lunch with the Commanding officer, an old friend of mine, who told us in confidence, that nobody who ever came to Enfield with rifles, had received such marked consideration and attention; one feature of which was a full attendance of the board, and the later wish of the Chief of Ordnance to come down expressly at a later date. Talking with ----- later, and giving him my plans for proceeding to obtain from the General an order to construct a model rifle fashioned after their requirements at a cost not to exceed 500 pounds, he told me that there was every prospect of my being successful - and when I did get the order - he would personally see that the requirements be within the limits of our ability to perform.

*Mr Spurd, Supt of the Royal Enfield Armory*

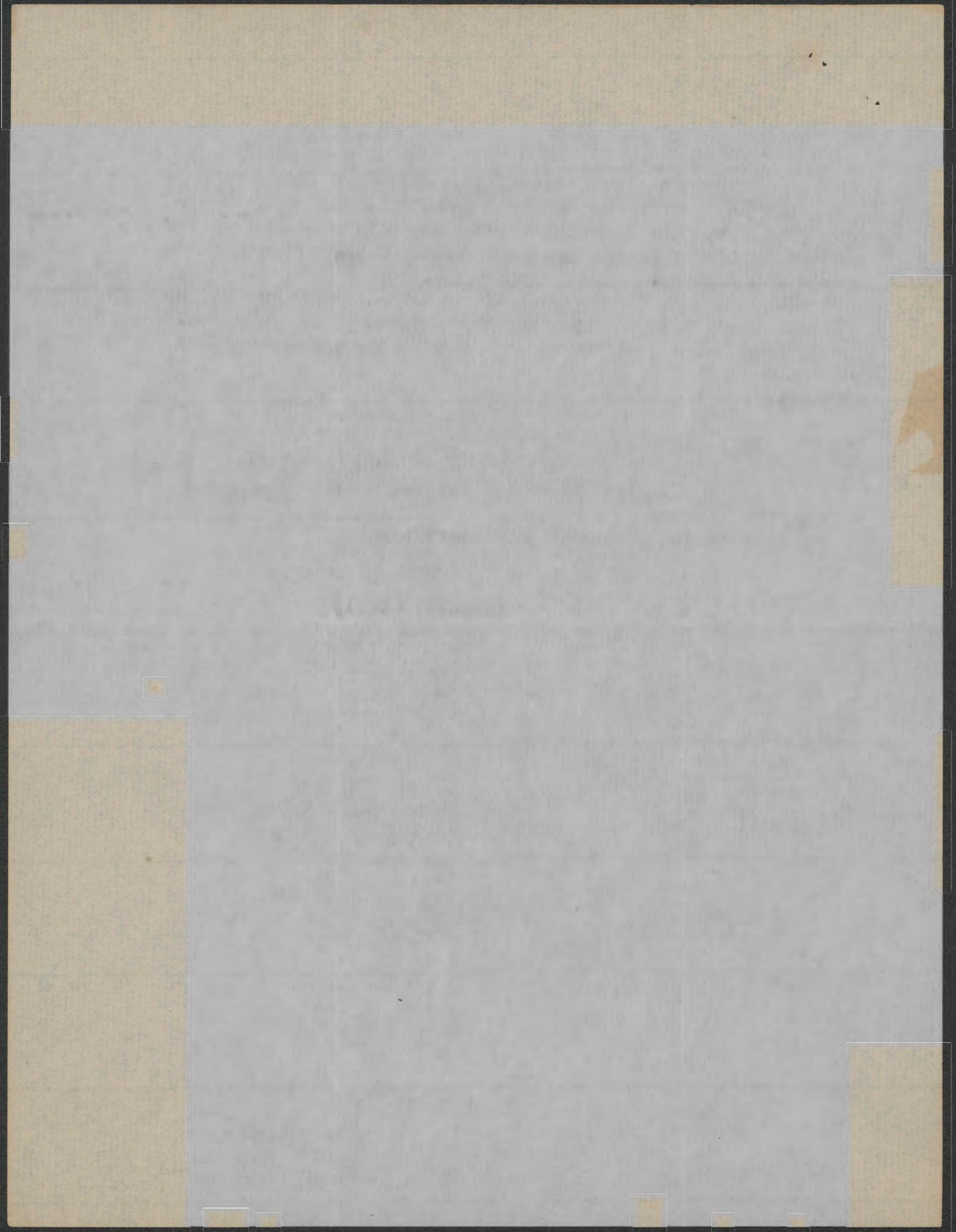


We must bend all efforts to secure this order, which will be the forerunner of its adoption later.

We meet the London representatives of the ~~Country Ordnance~~<sup>Country Ordnance</sup> Company this afternoon at the request of the principal owner near Birmingham, so that when we get down there again next week, we will be in shape to talk to him. They are comparatively a new Company and very substantial. They are represented as being progressive and may be induced to take on all our lines.

Yours very truly,

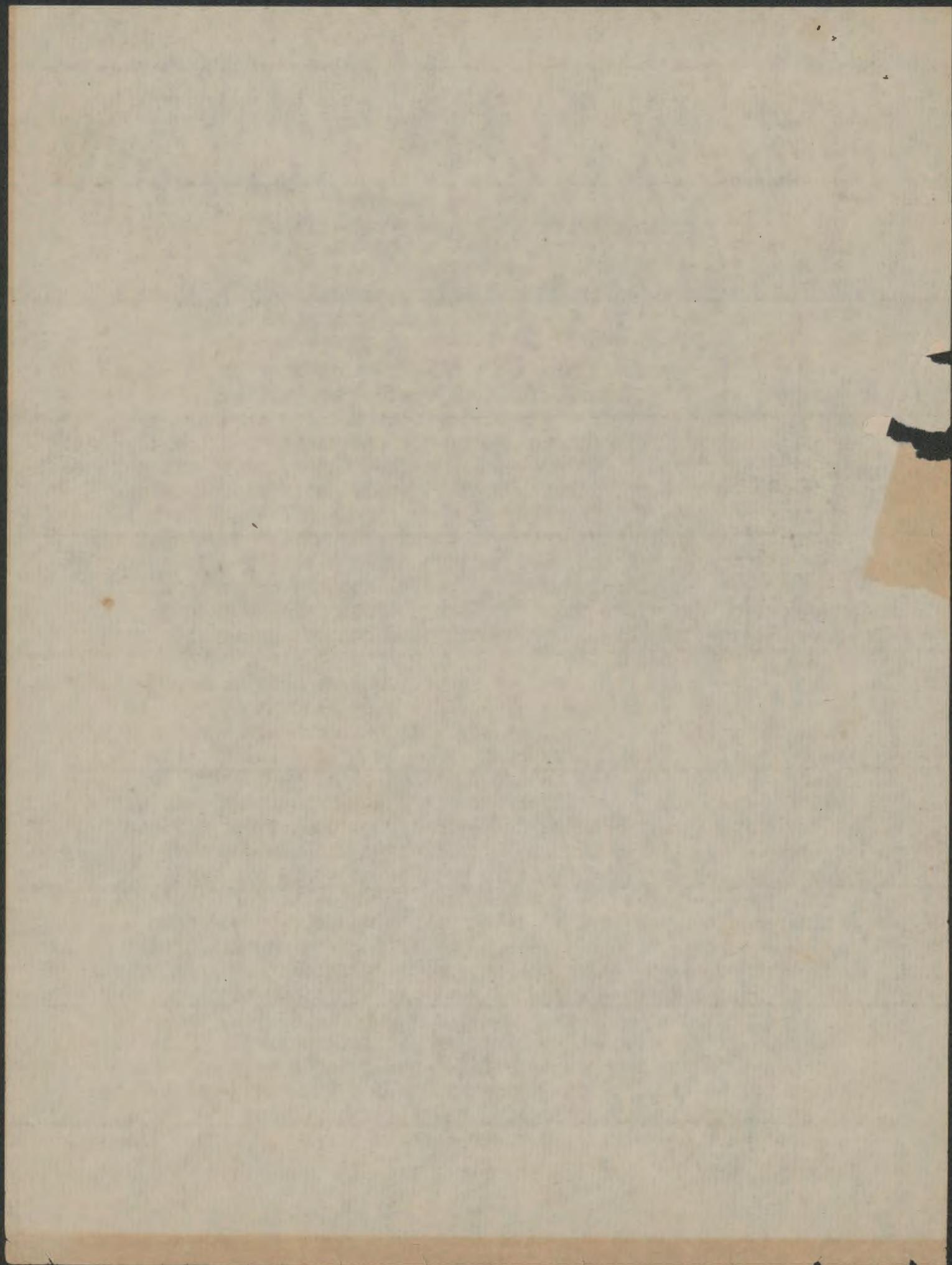
(Signed) C. M. Dally.



Extracts from Letter of C. M. Lally, Representing the  
Smith-Conditt Arms Company in England.

London, November 15th, 1905.

Our shoot at Enfield on Monday this week was a grand success, and like the previous one, passed off without a single hitch. Never before had any rifles been honored on such an occasion with a full attendance of all the "swell" officers of the War Office, some of whom made the journey of 12 miles in their motor cars. They expressed their satisfaction to us after the shoot, and while we offered them and there to submit the rifle to their sand test, they assured us it was unnecessary for us to do so as they were quite convinced it would stand it. Before parting, I arranged with General Haddon for me to meet him at the War Office at noon to-day, and I have just come from that meeting. My object in meeting the General was to secure an order for a model rifle to be completed in six months with one month's grace at a cost of £500. General made careful note of all I had to say, and at the close expressed himself as in favor of giving it to me, but would like to consult the Small Arms Committee first, who are to meet on Monday the 27th inst; he finally told me that he did not know as he would keep me waiting that long, and might therefore communicate with me within next few days. From all he said I feel positively certain I will secure the order, and with it a regulation chambered barrel; to my surprise, he told me that he would personally be in favor of stipulating to retain our present form of magazine, and not adapting to it a "clip" loader. He was much pleased he said with our method of filling the magazine, but regretted that our rifle did not permit a soldier to look through the barrel as in most magazine systems. I pointed out the difficulty of doing so with any magazine automatic system, where there was necessity to breech up close and solid. However, Smith says he thinks he can improve this point some, and I have so communicated to the General. I would have cabled you our great success at the War Office with all its possibilities to-day, but thought best to postpone until the order is actually in my hands; then you will receive a cablegram from me.



When we came to meet the Vickers-Maxim people yesterday again, Mr. Dawson surprised me by saying that he was himself in favor of adding our lines to their industries the same as the Bethlehem proposed doing, if they could get it. At their suggestion therefore I have cancelled Smith's passage for Saturday and will now keep him for a fortnight longer, particularly after hearing General Haddon express the wish to me this morning that the Small Arms Committee might desire to meet him again with his rifles, on which he will let me know within a day or two.

I have made within past few hours at Dawson's suggestion a written proposition to lay before his Company setting forth terms upon which we would convey to them the right of both sporting and military (English and Colonial). This will give them something to work on, and while they are very busy people and hard to get at on all occasions, yet I am encouraged to believe that before I come to leave the country, which I want to do on the second of December, a provisional or final negotiation can be reached.

