

Wiley, W. H., New York.  
 Williams, H. J., Beaver Asbestos Co., Thetford.  
 Williams, Capt. John, New Rockland, Que.  
 Wellman, S. T., Thurlow, Pa.  
 Wellman, Mrs. S. T., Thurlow, Pa.  
 Wylde, H. M., Halifax.  
 Woodhouse, Alfred, Nova Scotia Gold Mines, Ltd.,  
 Halifax.  
 Woodworth, G. L., Belmont Iron Co., Marmora.  
 Wills, Mrs. J. Lainson, Ottawa.  
 Williams, H. H., Quebec.  
 Witterbee, F. S., Port Henry.  
 Williams, Oliver, Catasauqua, Pa.  
 Williams, Mrs. O., Catasauqua, Pa.

### Reception in the Windsor Hall.

Shortly after eight o'clock the Hon. George Irvine, Q.C., President of the General Mining Association of Quebec, accompanied by His Worship Mayor Desjardins, took the platform. There were seated around him Mr. John Birkinbine, Philadelphia, President, and Dr. R. W. Raymond, Secretary, of the Institute; Mr. A. Blue, Director of Mines for the Province of Ontario, Toronto; Mr. F. Barnard, M.P., Victoria, B.C.; Mr. Macdougall, M.P., Sydney, C.B.; Mr. J. Obalski, Inspector of Mines for the Province of Quebec; Capt. Robt. C. Adams, Vice-President General Mining Association of Quebec, Montreal; Messrs. W. H. Irwin and R. T. Hopper, Anglo-Canadian Asbestos Company, Montreal; Mr. A. W. Stevenson, Treasurer, and Mr. B. T. A. Bell, Secretary, General Mining Association of Quebec, and others. Altogether the attendance numbered about six hundred. There was a goodly attendance of ladies, many of them in evening dress, and the conventional dress suit was as prevalent and as acceptable as buds on a maple tree in April. The proceedings were enlivened by an excellent selection of music, given by the full band of the 1st Victoria Rifles.

HON. GEORGE IRVINE.—Ladies and gentlemen: In connection with my duty as president of the General Mining Association of the Province of Quebec, to preside at this meeting, you will be glad and relieved to know that it is not part of that duty to make a speech. I have, however, the pleasure of being able to tell you that there are other gentlemen here who will give you much more sound talk and eloquence than I could offer. I regret very much to say that several prominent men, whom we expected would take part in this evening's programme, have for one reason or another been prevented from attending. His Excellency the Governor-General, who was to have spoken at this convention, was unable, for reasons which he has explained to Mr. Bell, our Secretary, to come. The Lieutenant-Governor of Quebec, I am sorry to say on his own account and yours, is confined to his house through illness. It might be well perhaps to read to you telegrams and letters of regret which have been received from the several gentlemen who were to have been with us, but were prevented. (President Irvine read telegrams and letters of apology from His Excellency, Lord Stanley, His Honor the Lieutenant-Governor of Quebec, the Hon. T. Mayne Daly, Minister of the Interior, and the Hon. E. J. Flynn, Commissioner of Crown Lands, Quebec.)

We have therefore to forego the pleasure of listening to these gentlemen. I have on behalf of the General Mining Association of the Province of Quebec to welcome in the most cordial manner the mining engineers and their ladies and friends from the United States and Canada who have come here to attend this Convention; and particularly the ladies, who have already I hear, softened by their loveliness and graciousness the heart of old King Post himself. We hope that by our best endeavors you may be enabled to enjoy to a full extent your visit. We feel a desire to do this more particularly because of the fact that when our people have visited the United States they have invariably been received with the greatest cordiality, kindness and hospitality; and we would like to show them that that kindness has been appreciated. I have now much pleasure in calling upon his Worship the Mayor to address you.

MAYOR DESJARDINS.—Ladies and gentlemen: We have just heard the letters of regret read which have been received from the distinguished gentlemen who were to have been here; and I am sure that deplorable fact has given you much disappointment. The fact that I am called upon to replace in part such well known orators proves that you are to be still further disappointed. I must tell you that when Mr. Bell, the Secretary of the Convention, invited me a few days ago to attend this opening, I felt he was paying me a great honor, but while I accepted, I did not know that it would be in the capacity of Mayor of Montreal that I would serve. For we in Montreal during the last few weeks have been in what I may call a condition of doubt. No one knew who was mayor. One day you would hear somebody say: "I am the mayor;" and the next day another voice would make a like assertion, and with equal confidence. And I myself, although I claimed also to be the mayor, was not altogether certain of the truth of the matter. However, I am here to-night, and I am the mayor.

And as such, ladies and gentlemen, allow me to say

that we, the people of Montreal, are highly gratified at the choice which you have made in selecting this city of ours as the seat of the meetings of this great Convention. We welcome you cordially, and we hope that your stay with us will be pleasant, and that the people will show such interest in the labors which you are about to undertake, that you will carry home with you the most agreeable recollections of your sojourn among us. You will forgive, I am sure, the lamentable fact that the snow has prevented, by blocking the trains, so many of your delegates from being in time to attend here this evening; although they will have been spared the bad English of the Mayor of Montreal.

You will allow me, ladies and gentlemen, to first acquit myself of a certain duty, a pleasurable one, which is to first welcome the members of that veteran Institute of the American Mining Engineers which has for the last 64 years been at work with so much fidelity and zeal, and has accomplished so much for the advancement of the science of mining. We desire to say to them that whatever may be the discord between the two countries, it shall never destroy for our part the good fellowship and social intercourse existing between us. Nothing shall destroy that brotherhood of literary, scientific and intelligent amity.

To the divers associations which have been created within the past few years in the different provinces of the Dominion, we extend with equal warmth a most cordial welcome. They have a large field before them. We have only at the beginning to realize the amount of wealth and resources that good Mother Nature has in store for us. We have only at the beginning to realize, and it can be seen with half an eye, what can be achieved if these resources are properly worked. But that field we know is in good hands. We know that we have active, scientific men who will do all they can, and are doing all they can, to teach Canadians how to work these resources;



H. S. Poole, M.A., F.G.S., Stellarton, President  
 Mining Society of Nova Scotia.

and such good examples have been given us by our neighbors, that I am sure we shall soon be able to follow in their footsteps.

The questions you will have to study, the lectures you will hear, will not leave much room, by the practical essence of their very nature, for the imagination's play nor the inspirations of poetry. But you are practical men, and you will know how to supplement the deficiency. You have brought with you poetry—not in books, but far better than that—in reality; the poetry of heaven and nature combined! And we welcome that element, that refining and inspiring element, that foundation of what is best in poetry, with—shall I say, even more cordiality and tenderness than we welcome you of the *steely* sex.

I trust sincerely that the ladies may thoroughly enjoy their visit. They have heard, doubtless, of the attractions of our winter; and no doubt they have already since their arrival experienced in a practical manner one of those attractions—the sting of Jack Frost. For Jack Frost is a true Canadian in the sense that he has a fine appreciation, after his own fashion, of what is lovely and charming and tender. However, though our climate is cold, we shall endeavor to show you that it has not the slightest effect upon our hearts, naturally warm; for they are not cold. We welcome you all; and we trust that when such another Convention is contemplated, the members may be able to look back upon this one, and say: Why should we not go to Montreal?"

Mr. John Birkinbine, President of the American Institute of Mining Engineers, on being called upon by the Chairman to speak, begged to be excused in favor of Dr. Raymond, the Secretary of the American Institute, as he, Mr. Birkinbine, was down to deliver an address later on in the evening. Dr. Raymond, he said, usually spoke for the Institute on these occasions, and had a speech, he knew off by heart.

DR. RAYMOND.—There is one part of my speech, Mr. Chairman, ladies and gentlemen, which I did not learn by heart; and that is to say that though there have been 64 meetings of the Institute, the latter is not, as the Mayor supposed, 64 years old. We should certainly grow old very fast in that way. I have been present at 61 meetings, and I cannot count the number of times I have been an officer of some sort in connection with the Institute. It is also my duty to explain that the Institute is not a body having any local habitation whatever; for when we come to meet in Montreal, we do not come as a body of strangers; for the word "American," as applied to our societies, includes alike Canadians and those of us of the United States. Therefore, in coming to Montreal, we simply come, as it were, to our own. And so from the beginning we have known nothing at all about latitude, nor of that thing we hear so much about—the boundary line. I may be treading on delicate ground when I say "Boundary Line." But, after all, where angels have rushed in, I should not fear to tread. The Mayor of Montreal has hit what I consider to be the truth in this connection, and in all connections where we from both sides of the line come together. So as I have no political ambitions on either side of the line, I may be permitted to say a word or two.

I am going to say in the first place that I do not think that pleasant and agreeable neighbors must necessarily marry. If I had to marry everybody that I ardently admire, there would be an awful breaking up of domestic ties in the families of members of the Institute of Mining Engineers. I think people can live humanely and affectionately side by side without thinking always about pulling down the partition. If Uncle Sam had to marry, I should prefer to see him join hands with a rosy, pink and frost-cheeked girl of the north rather than a dusky maiden of the Pacific; but it seems to me that if the United States and Canada were to become one, we—that is the United States—would then have as our nearest neighbor the North Pole; and I think that Canada would be a far more pleasant neighbor. Not that we should not consider all the domestic and internal questions of the future, as well as of the past. But, while speaking frankly, I may say that to me there is a higher view than this to take. For I for one would not tread upon those glorious distinctions which have enriched the past, and given us so many splendid memories. Standing upon this soil of Canada, I cannot forget the Lillies of France; nor can I forget what my countrymen owe to the sturdy Englishmen who crossed the sea, and won for us that liberty which we have always enjoyed at home. The Lillies of France, the Eagle of the Republic, the Cross of St. George, are all essential component parts of the historical, martial and national memories of America. And for my part I care very little—nay, I may say more—I pray to God that the meteor flag of England and the ensign of my country, whose stars bid welcome to the sunrise, may never stand opposed upon any battle field—nay, may never wave over any field of blood; but rather may blend and wax glorious together as the white and more glorious banner of peace and progress, and so set an example to the world. And in that splendid relationship we can move forward with serried ranks to a victory, unstained, irrevocable, magnificent, matchless; a victory that shall be celebrated by the glad thanksgivings of earth and blessed by the smile of a favoring heaven.

Dr. Raymond's excellent speech, it is hardly necessary to say, was listened to with absorbing interest, and loudly applauded at its termination. The President then followed with an address on the "Development of Technical Societies."

### The Development of Technical Societies.

MR. JOHN BIRKINBINE.—Through the partiality of my fellow members, I have been able during seven years service on the Council of the American Institute of Mining Engineers, to note the development of technical societies, a subject which commends itself as an appropriate theme for presentation at the time when relinquishing the office of president, we meet in convention with Canadian technical societies. Our next assembly, called at Chicago, at the time fixed for an International Engineering Congress, offers additional reasons for the selection of the topic.

If subsequent statements appear to give to the American Institute of Mining Engineers greater prominence than other kindred organizations, they may be excused upon the ground of long association with and loyalty to its members, and to a personal knowledge of their work. Besides, data as to growth and development is more accessible, and at a meeting of the Institute, features connected with it may be considered as of greater immediate interest than those affecting other organizations. The purpose of this address is, however, to use the records of the Institute, as indicating a similar develop-