



Note the forest fire just commencing, also the facility afforded by aerial photographs in estimating the general forest conditions and relative areas of timber barrens, etc.

The work commenced on the 17th of May and has been continued regularly to date, the appended table giving the amount of work done.

|                       |         |
|-----------------------|---------|
| Miles flown .....     | 6,006   |
| Hours flown .....     | 101     |
| Photos taken .....    | 3,000   |
| Acres photographed..  | 543,100 |
| Fires spotted .....   | 34      |
| Passengers carried .. | 23      |

#### *Staking a Mining Claim*

The longest flight from the base was 250 miles out. In the course of the work done above, many things of different sorts were accomplished. A flight of forty-four miles was made to stake out a mining claim. The plane carried four people, two tents, folding canoe, provisions and instruments. The party stayed out two nights and much time was saved, as, in the ordinary course of events, it would have taken two days travel each way by canoe, and with the plane it took less than an hour.

A boundary survey of some limits had to be made and the starting point was difficult to locate, as, if all the work were to be done on the ground, 22 miles of chaining through the woods would be necessary to locate an intersection from which to commence. The plane was sent up and the three sides of the triangle, necessary to locate the intersection, were photographed in one day and the course the new line would have to follow was also photographed, showing all the lakes, streams and hills which the line would cross.

On two sides of the triangle, where lines already existed, they were visible in the photographs at numerous places on the ground and could easily be joined up. Thus all of the field work is practically checked up before beginning the work, which can now be planned with great exactness. It is proposed to put provisions on the lakes which the line will cross ahead of the party so that they will only have to carry enough to last for