

after comparing them bit by bit with the relatively complete fronds of *P. Miltoni* in Paris which M. Zeiller kindly showed me, that it became evident that they were all variously disintegrated fragments of this species. For help with this unsatisfactory material I am particularly indebted to M. Zeiller, who showed me one fine specimen of *P. Miltoni* with "*Callipteris pilosa*" pinnules low down on the frond and "*Pecopteris densifolia*" pinnules at the top.

Reference should be made to Fig. 1 on pl. XL of Stur's (1885) monograph for comparison with the fragment from St. John illustrated in pl. VII, figs. 14 and 15. An outline sketch of one of these is given in text fig. 5, and as much as is possible of the venation in text fig. 6. From the photograph, fig. 14, alone it might appear that the plant differs a good deal from *P. Miltoni*, but this specimen is in a curious state of preservation and has been slightly "smeared" by movement in the matrix. The actual specimen bears detailed comparison with Stur's illustrations.



FIG. 5

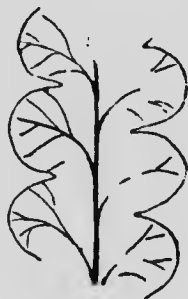


FIG. 6

Fig. 5. *Pecopteris Miltoni*. Outline sketch of the specimen represented in fig. 15, pl. VII. to show shape of pinnules.

Fig. 6. Enlargement of a St. John pinnule to show that the character of the venation agrees with *P. Miltoni*, so far as it is preserved.