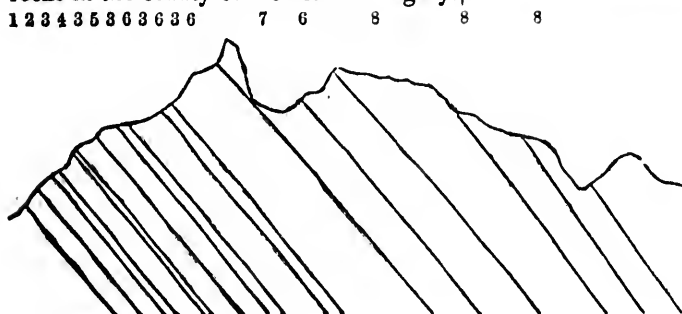


Norway, would seem greatly to resemble the above ideal section, if we suppose one half of the same to be obliterated. The following is a section of the Alleghany chain according to Rogers:*



1. Gneiss, mica slate, &c.
2. Silurian system (so-called metamorphic strata).
3. Devonian "
4. Carboniferous "

The above delineated structure of the slate rocks would have experienced a modification, in the event of igneous rocks having been protruded through the fissures formed by these movements of the earth's crust. These igneous rocks would most easily be protruded at the point marked A in the sketch first above given. If we imagine a granitic mass to be erupted at the point so marked, we have then a section resembling in its general features the build of the so called primitive rocks in many parts of the Alps of Switzerland, in the Saxon Erzgebirge, in Hungary, and in the gneissoid region of La Vendée, above mentioned. The following is a section given by Beudant, of the structure of the schistose rocks in the county of Gömör in Hungary.†



1. Granite.
2. Gneiss.
3. Mica-schist.
4. Greenstone.
5. Limestone.
6. Clay-slate.
7. Iron ore.
8. Schistose greywacke and limestone.

Here the primitive and slate strata rest upon the granite in the following order: 1st gneiss, 2d mica-schist, 3d clay-slate. The

* Naumann, Lehrbuch, i, 994.

† Voyage en Hongrie, Atlas, Fig. 5.