

down fall, could undoubtedly be accomplished by a suitably proportioned reservoir, for the construction of which the locality affords every facility.

4th.—Plan proposed for the intermediate feeder, viz: By erecting a dam 16 feet high, upon the tumbling dam falls, in the Pawpaw Bend, and by a feeder of 3 miles long, to bring a supply of water from the main Potomac to enter the canal upon its 61st level, at the mouth of Athy's Hollow.

5th.—Plan proposed for the intermediate feeder, viz: By erecting a dam 27 feet high, about $\frac{1}{2}$ mile above Athy's Hollow, to bring in a feeder at the same point contemplated in the 4th plan.

These two plans may be regarded as modifications of the same, both contemplate forming a complete navigation by feeder and slackwater, up to the upstream portal of the tunnel, to enable boats, by locking into the river there, to proceed around the Pawpaw Bend without passing through the hill: in fact to enable the trade to be carried on by boats passing one way, taking the tunnel, and those moving the other taking the circuitous route. Both plans also contemplate introducing their feeders at the same point, the mouth of Athy's Hollow, upon the 61st level.

Against both plans the following objections would lie if either were put in execution, viz :

- 1.—If an independent navigation had been contemplated around the Pawpaw Bend, as auxiliary to the tunnel line, at the time the directors decided upon the tunnel route in preference to a canal around the river, the former would never have been adopted, as the balance of cost would have been largely against it; to adopt now, what could have been much easier attained by conducting the canal around the Pawpaw Bend, cannot be right, unless the adoption of the tunnel line was wrong;
- 2.—Either of these plans would be very costly if constructed in a permanent manner;
- 3.—As the feeder from Cumberland is incompetent to supply the canal lower down than the mouth of the South Branch, the distance between that point and the entrance of the proposed feeder $10\frac{1}{2}$ miles, would be deficient in water, and would need the aid of a reservoir upon town creek, thus prodigiously augmenting a cost in any event very great; by the introduction as an auxiliary of a feeder,