

## APPENDIX No. 1

Established four years in August.

With the exception of Birdsboro (2,264) our lines merely pass the following places, the population of which was evidently computed from the families getting mail at the post office and not actual residence in the village:

Morgantown, 264; Joanna, 286; Geigertown, 378; Beckersville, 320; Monocacy, 107; Douglassville, 735.

One hundred and eighty-two telephones in operation.

Not over three or four have direct lines with one telephone.

Perhaps three (bank, railroad station and rolling mill) have the Bell telephone as well as ours.

Toll lines calculated at 31 miles.

Our lines have cost us nearly \$40 per subscriber. This includes everything. The company originally started by farmers getting together and putting up their own line, which cost \$3.30 each for the original twenty-seven subscribers. They furnished 17 poles each and did the work free. The \$3.30 paid for the wire and insulators.

We calculate that \$16 will pay for a pair of steel wires with either pins or brackets, using No. 12B.B. quality, or \$38 for a No. 12 hard drawn copper wires per mile. The work of putting this on the poles will vary according to conditions, but we think \$4 is a fair average.

We use full metallic circuits all together. Copper in town, or in places subject to the action of coal gas as along the railroad, steel wire in the country, and especially at points where extra strength is required.

We have no separate pole lines for toll work, but in several instances rent space from the railroad company at \$8 per mile.

All overhead construction.

Magneto bridging system exclusively.

We have experimented with various instruments, but we have settled on the telephones made by the Connecticut Telephone and Electric Company, of Meriden, Conn., as being the best suited for our work. The parts are readily interchangeable, the whole instrument very simple, and so far we have not seen the equal in all round good qualities.

We have a switchboard made by the Ericsson Tel. Co. for our heaviest work, and for less important points use the Conn. Tel. and Electric board, merely on account of the price. The Ericsson is more compact and much faster, but is expensive.

Fifty-one actual farmers connected to system.

Our rates are twelve dollars per annum for residence or farm; \$18 for business. Free service over our entire line.

Long-distance rates are according to the connecting line, but figures based on actual air line mileage, as given by the Eastern Traffic Association of Philadelphia. No dividends have been paid so far, but are in position to pay at any time.

Depreciation optional with the directors, but it is understood it is not to be less than 10 per cent of the earnings.

All earnings to date, the exact figures of which I am not able to give at present.

We exchange calls with three other companies at four points. The Bell companies have absolutely refused to give us a connection unless we use their instruments, which must be rented from them at about \$5 per year.

We connect with the United Tel. & Telg. Co., The Consolidated Tel. Companies of Pennsylvania, and the Enterprise Tel. Co. The rate is fixed as stated in question 21, but short calls average about 5 cents for every exchange the message passes.

When we first entered Elverson there were five Bell telephones. All were offered reduced rates, but four went out. Two pay-stations have since been located in the village.

At Birdsboro' there were seven Bell telephones until we came. By putting on a force of canvassers and offering six months service free, the number was raised to fifteen. They have taken some out since, and the present number is not known exactly.