

After forty-eight hours:

4. No growth.
5. Doubtful.
6. Doubtful.

Mounts were made from all tubes, stained with Löffler methylen blue, and examined. The following results were obtained:

1. Staphylococci, streptococci, and a short bacillus.
2. " " " "
3. " " " "
4. No growth.
5. Few staphylococci.
6. " "

The above results demonstrate the restraining power of the disinfectant under the conditions of test.

Experiment 2.—Six platinum needles, mounted in glass rods, were sterilized and touched to an agar culture of the *Staphylococcus pyogenes aureus* and dried. Nos. 1, 2, and 3 were reserved for control. Nos. 4, 5, and 6 were treated in the same manner as the instruments in Experiment 1. After twenty-four hours' incubation, results were observed as follows:

- | | | |
|---------|---|------------------------------------|
| Control | { | 1. Abundant characteristic growth. |
| | | 2. " " " |
| | | 3. " " " |
| | | 4. No growth. |
| | | 5. " " |
| | | 6. " " |

After forty-eight hours:

4. Doubtful.
5. "
6. "

Mounts were made from all tubes and examined with the following results:

- | | | |
|---------|---|--|
| Control | { | 1. Characteristic staphylococci. |
| | | 2. " " |
| | | 3. " " |
| | | 4. Few staphylococci, taking stain poorly. |
| | | 5. " " " " " |
| | | 6. " " " " " |

This experiment demonstrates the restraining power of the disinfectant. It is evident, however, that under the conditions of the experiment, ten minutes' exposure to the gas with open