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United States Patent [19]

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Marino et al.

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[54] COMBINED SUCTION AND IRRIGATION SURGICAL INSTRUMENT

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[73] Assignee: Biomedical Dynamics Corporation, Burnsville, Minn.

[**] Term: 14 Years

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[22] Filed: Feb. 17, 1993

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 948,983, Sep. 21, 1992, abandoned.

[52] U.S. Cl. D24/112; D24/108

[58] Field of Search 128/752, 750; 604/35, 604/34, 902, 250, 275, 19, 27, 119, 43, 73; D24/108, 112, 133

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[57] CLAIM

The ornamental design for a combined suction and irrigation surgical instrument, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a combined suction and irrigation surgical instrument showing our new design, the nozzle is shown broken in the middle to indicate indeterminate length;

FIG. 2 is a left side view of the combined suction and irrigation surgical instrument of FIG. 1;

FIG. 3 is a front view of the combined suction and irrigation surgical instrument of FIG. 1;

FIG. 4 is a rear view of the combined suction and irrigation surgical instrument of FIG. 1;

FIG. 5 is a top view of the combined suction and irrigation surgical instrument of FIG. 1;

FIG. 6 is a bottom view of the combined suction and irrigation surgical instrument of FIG. 1;

FIG. 7 is a perspective view of a second embodiment of a combined suction and irrigation surgical instrument showing our new design, the nozzle is shown broken in the middle to indicate indeterminate length;

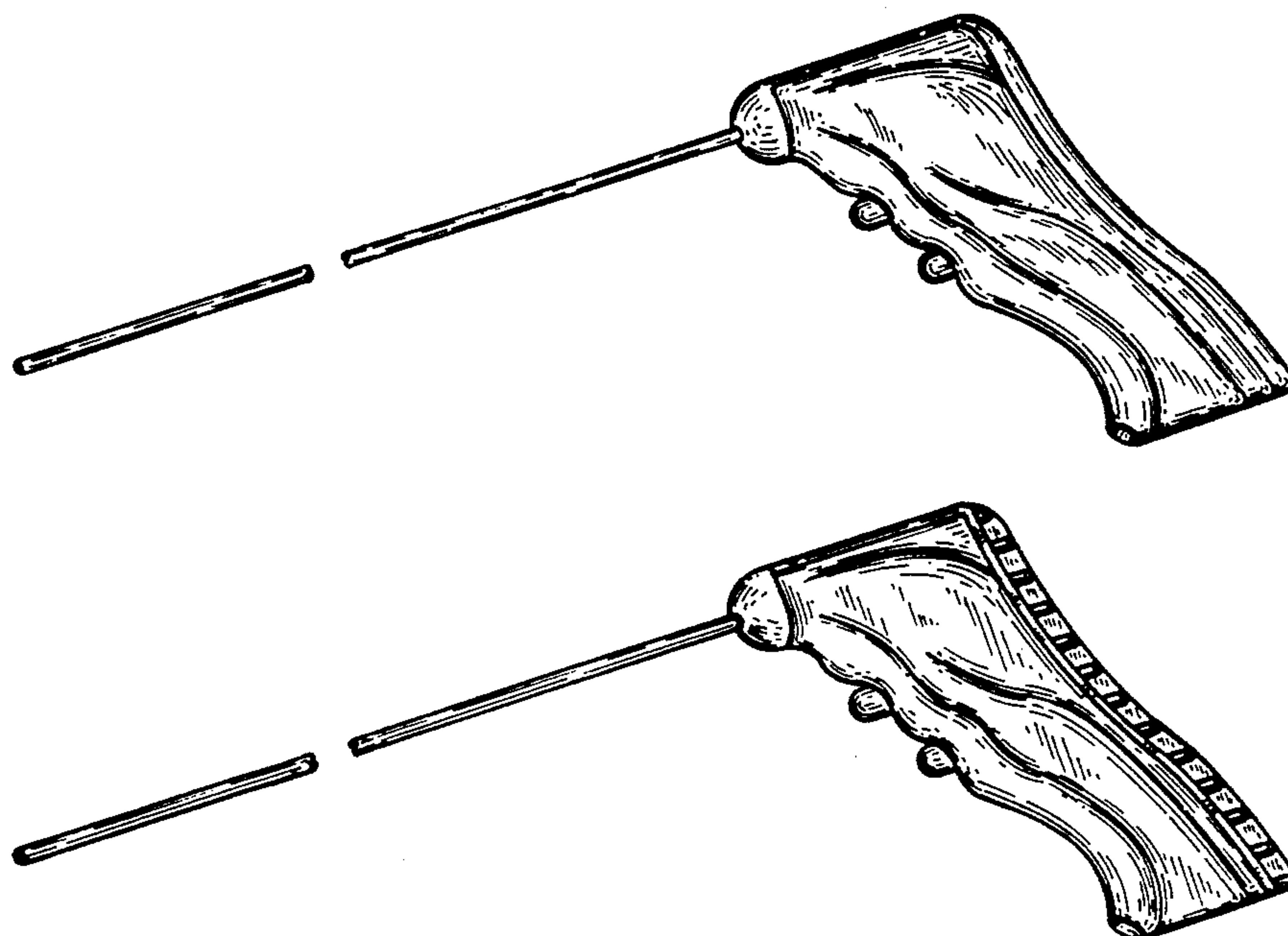
FIG. 8 is a left side view of the second embodiment of the combined suction and irrigation surgical instrument of FIG. 7;

FIG. 9 is a front view of the second embodiment of the combined suction and irrigation surgical instrument of FIG. 7;

FIG. 10 is a rear view of the second embodiment of the combined suction and irrigation surgical instrument of FIG. 7;

FIG. 11 is a top view of the second embodiment of the combined suction and irrigation surgical instrument of FIG. 7; and,

FIG. 12 is a bottom view of the second embodiment of the combined suction and irrigation surgical instrument of FIG. 7.



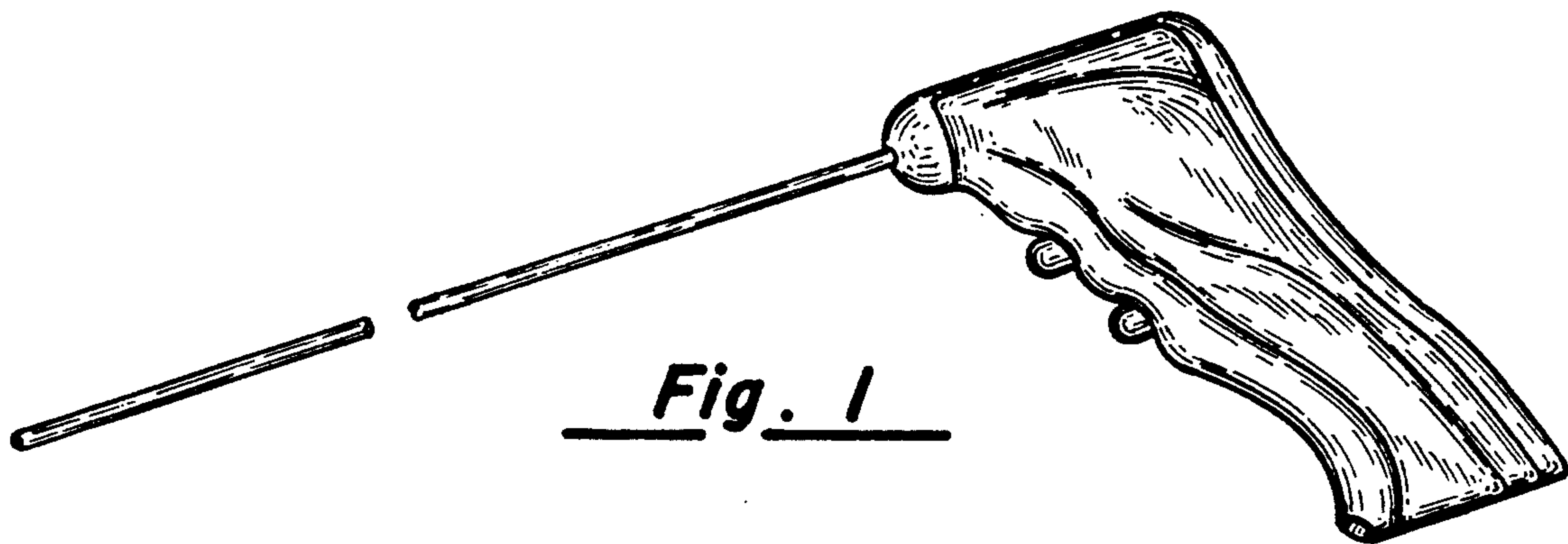


Fig. 1

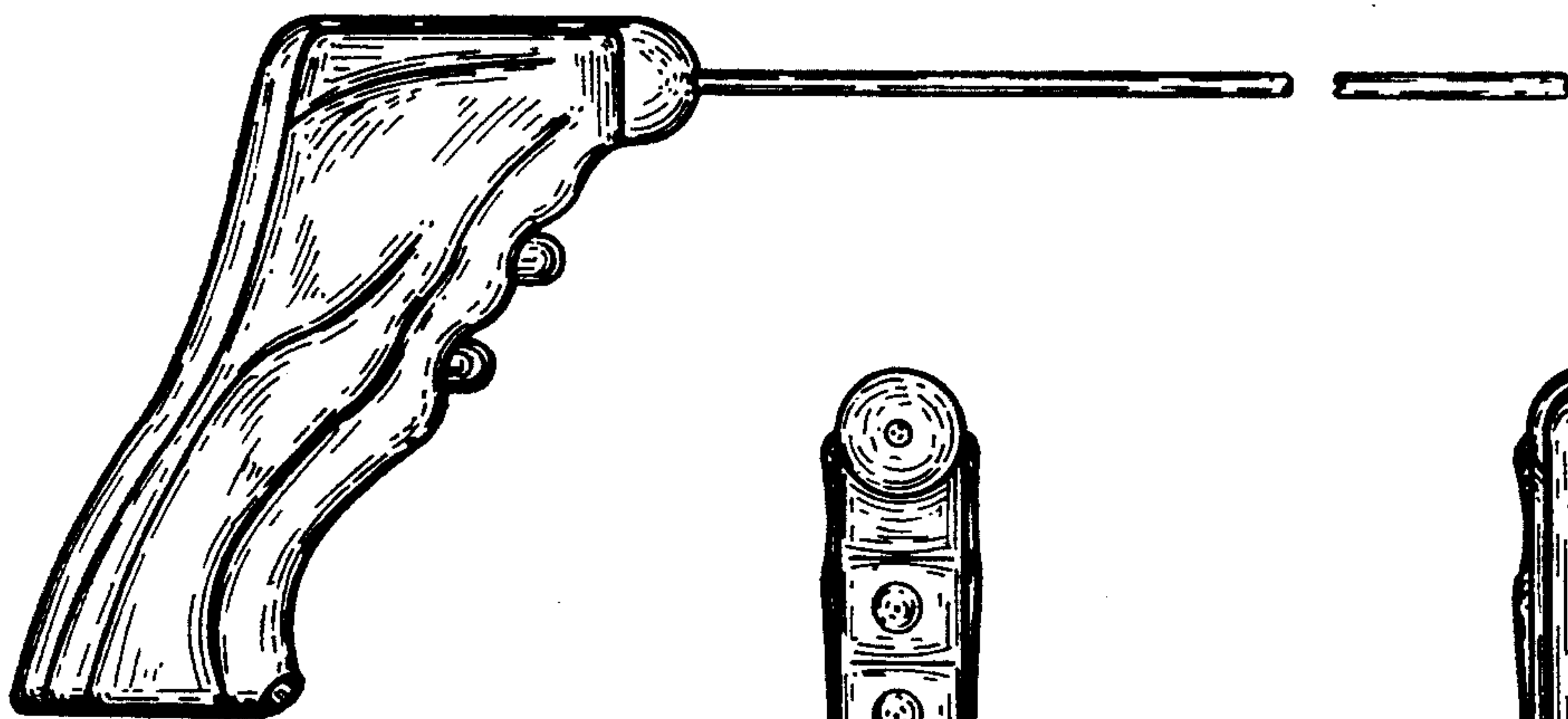


Fig. 2

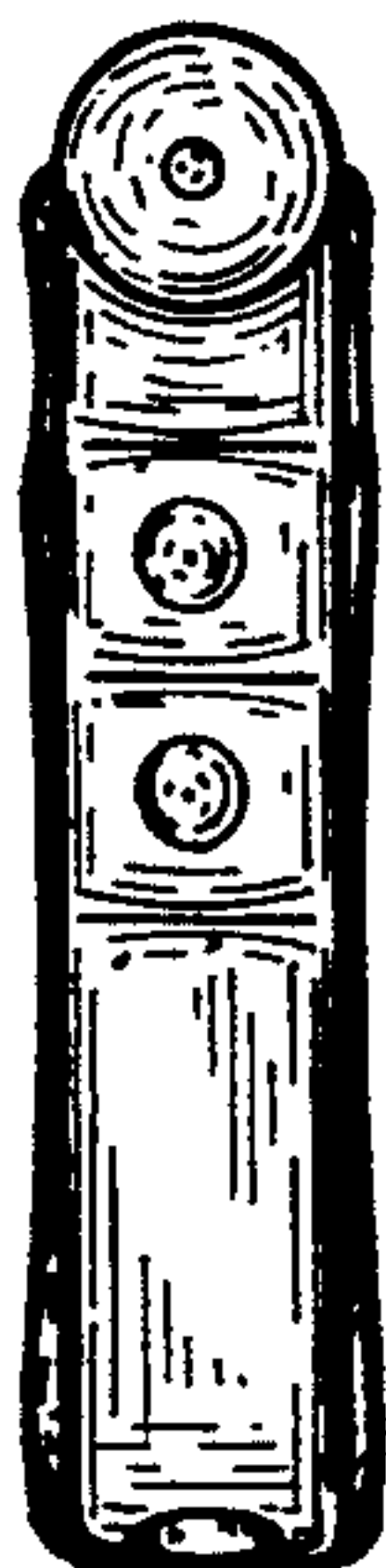


Fig. 3



Fig. 4



Fig. 5



Fig. 6

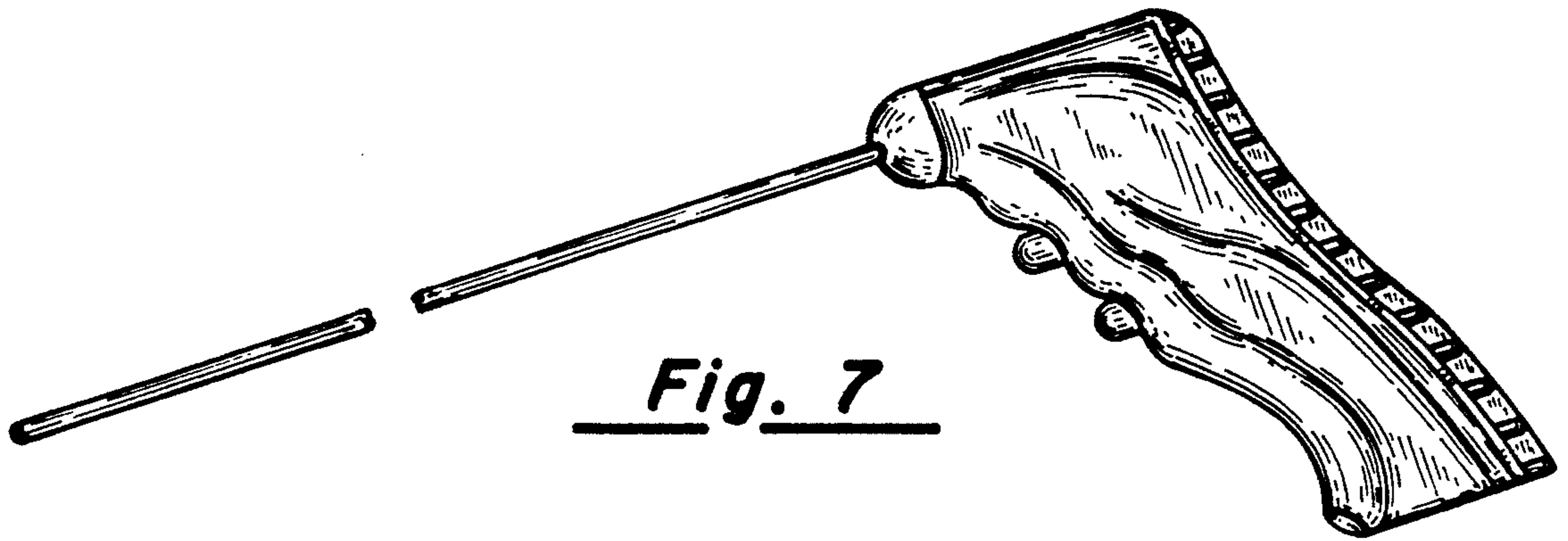


Fig. 7

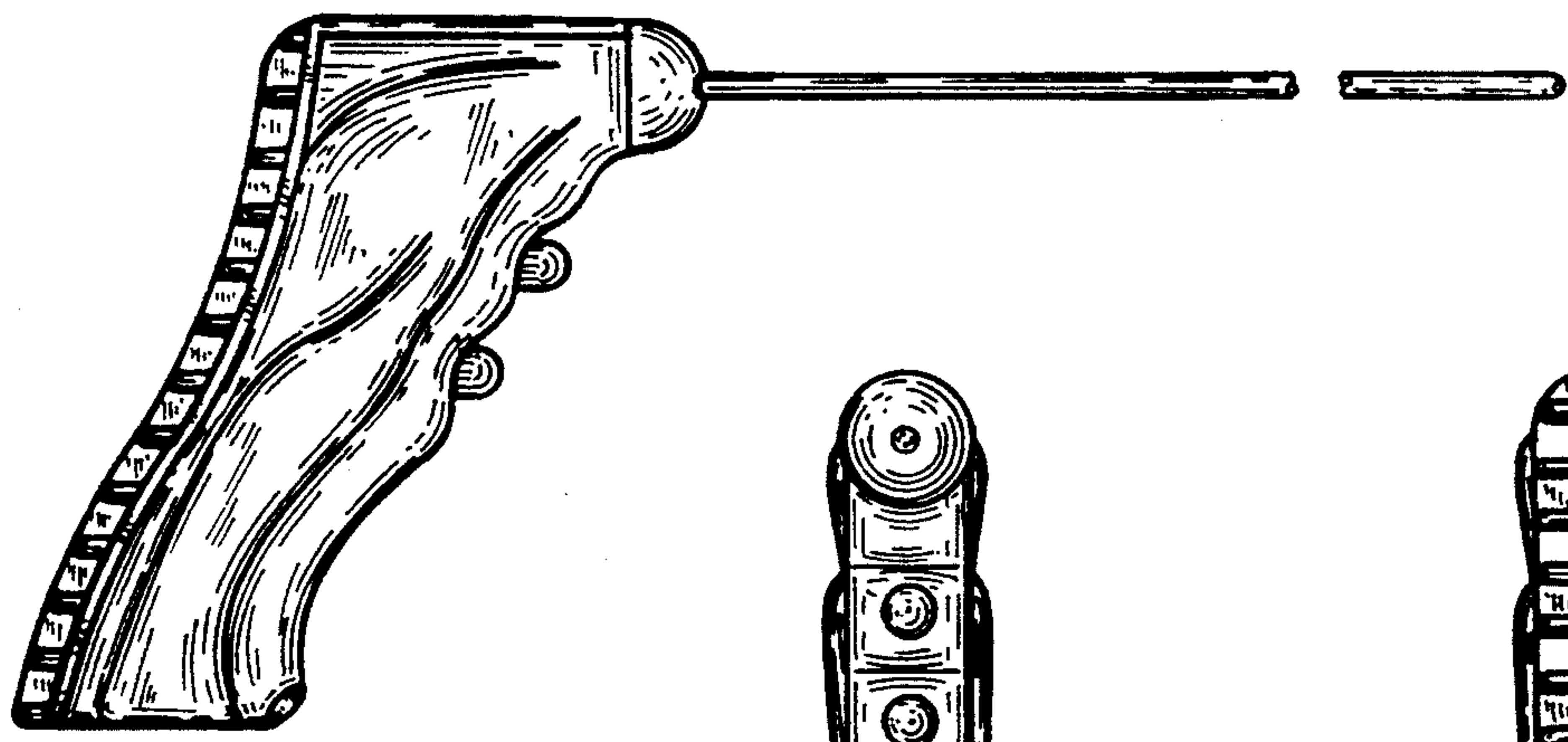


Fig. 8

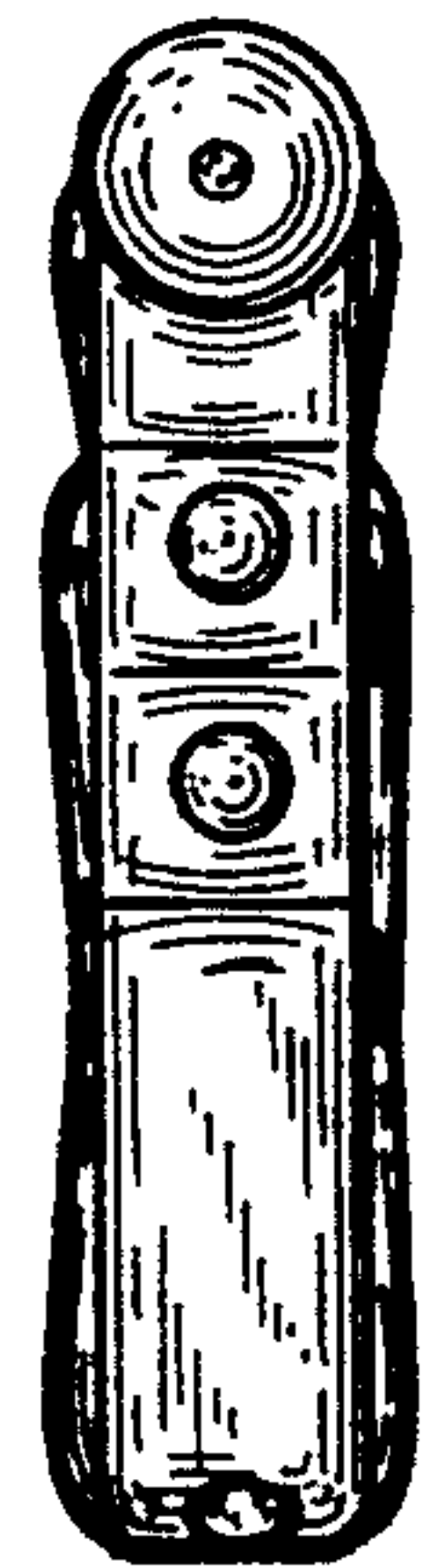


Fig. 9

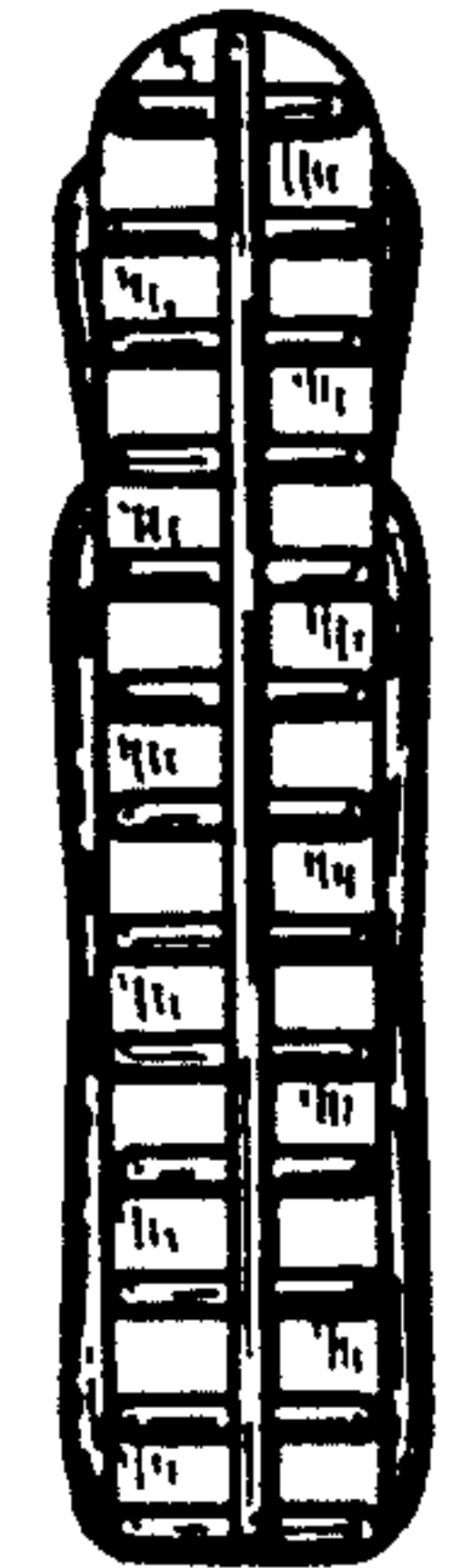


Fig. 10

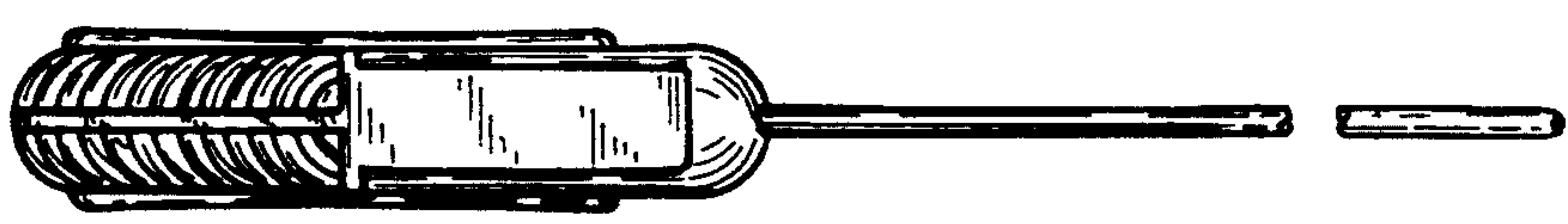


Fig. 11

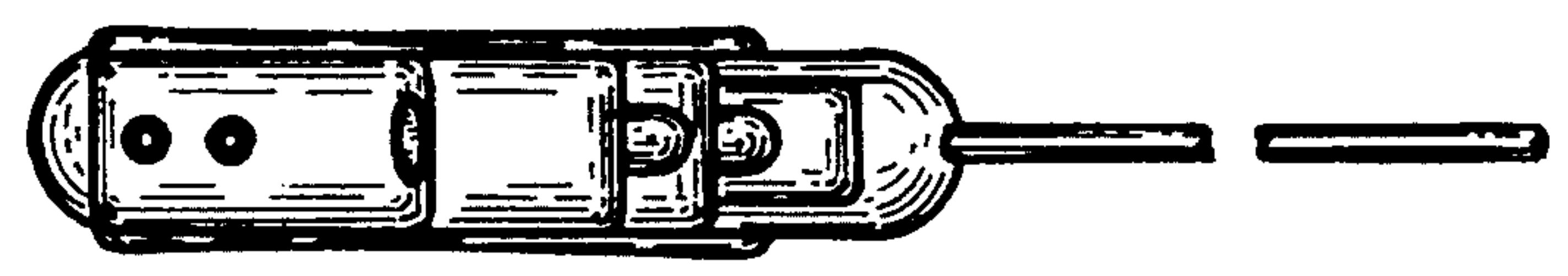


Fig. 12