

[54] DRUG RELEASE VALVE FOR A
PARENTERAL ADMINISTRATION SYSTEM

[75] Inventors: Bengt G. Berglund, Göteborg; Nils B. Nilson, Mjölby; Ake S. Nilsson, Göteborg, all of Sweden

[73] Assignee: Aktiebolaget Hassle, Molndal, Sweden

[**] Term: 14 Years

[21] Appl. No.: 1,105

[22] Filed: Jan. 7, 1987

[30] Foreign Application Priority Data

Jul. 10, 1986 [SE] Sweden 861656

[52] U.S. Cl. D24/53; D24/51

[58] Field of Search D24/52, 53; 604/56, 604/80-86, 92, 32, 244, 246, 248, 251, 252, 262, 403-408, 411, 413-416

[56] References Cited

U.S. PATENT DOCUMENTS

D. 293,129 12/1987 Millard et al. D24/53
4,465,471 8/1984 Harris et al. 604/56
4,540,403 9/1985 Theeuwes 604/85
4,695,272 9/1987 Berglund et al. 604/84

4,740,198 4/1988 Theeuwes 604/84
4,790,820 12/1988 Theeuwes 604/56 X

Primary Examiner—A. Hugo Word
Assistant Examiner—Stella M. Reid
Attorney, Agent, or Firm—White & Case

[57] CLAIM

The ornamental design for a drug release valve for a parenteral administration system, as shown.

DESCRIPTION

FIG. 1 is a front elevational view of a drug release valve for a parenteral administration system, showing our new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a side elevational view thereof, the opposite side being identical thereto;

FIG. 4 is a front elevational view thereof, with the cartridge portion removed;

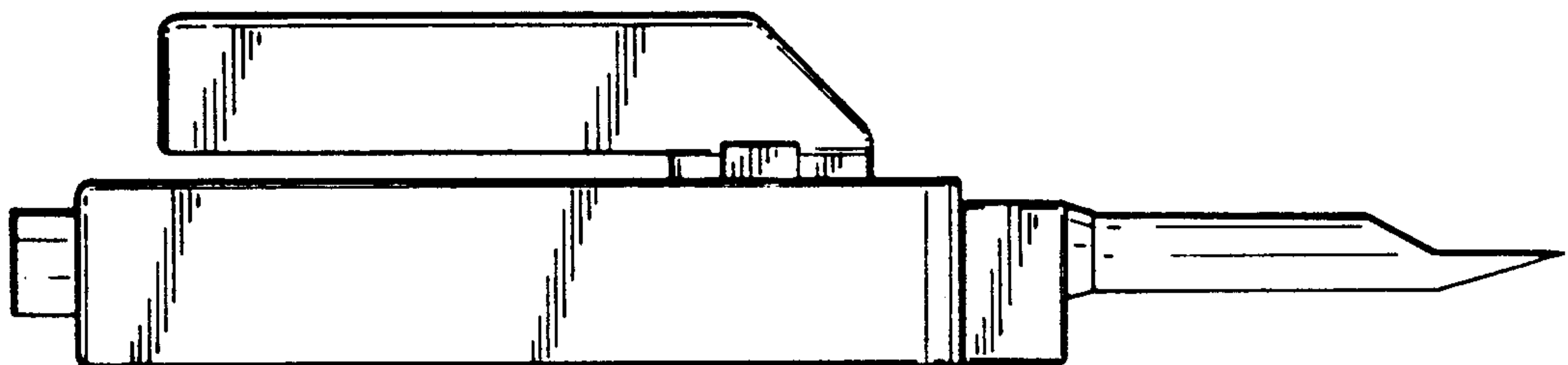
FIG. 5 is a side elevational view of the cartridge portion;

FIG. 6 is a rear elevational view thereof;

FIG. 7 is a side elevational view thereof, opposite that shown in FIG. 5;

FIG. 8 is a rear elevational view of the drug release valve; and

FIG. 9 is an end elevational view thereof, opposite the spike end.



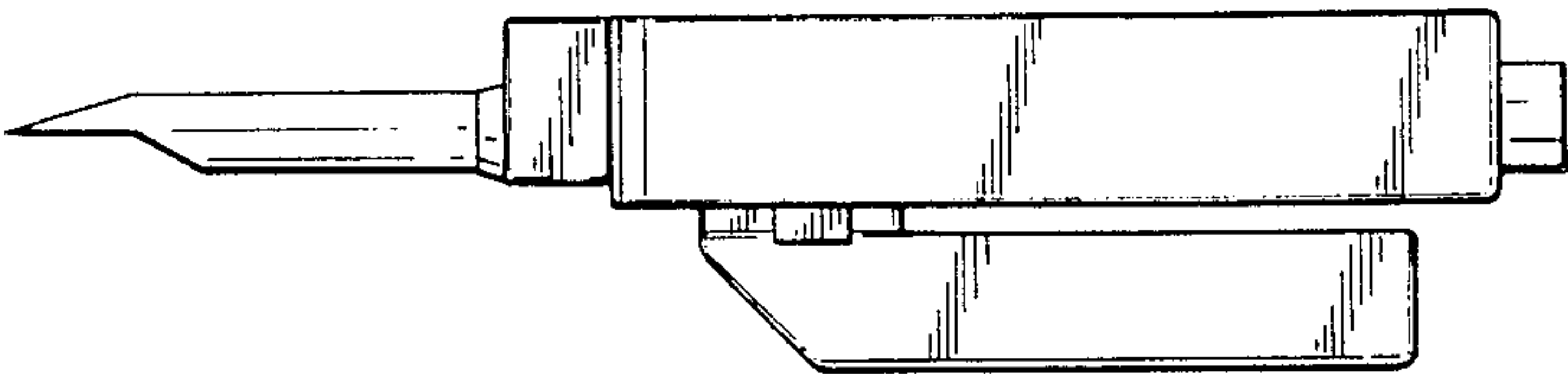


FIG.3

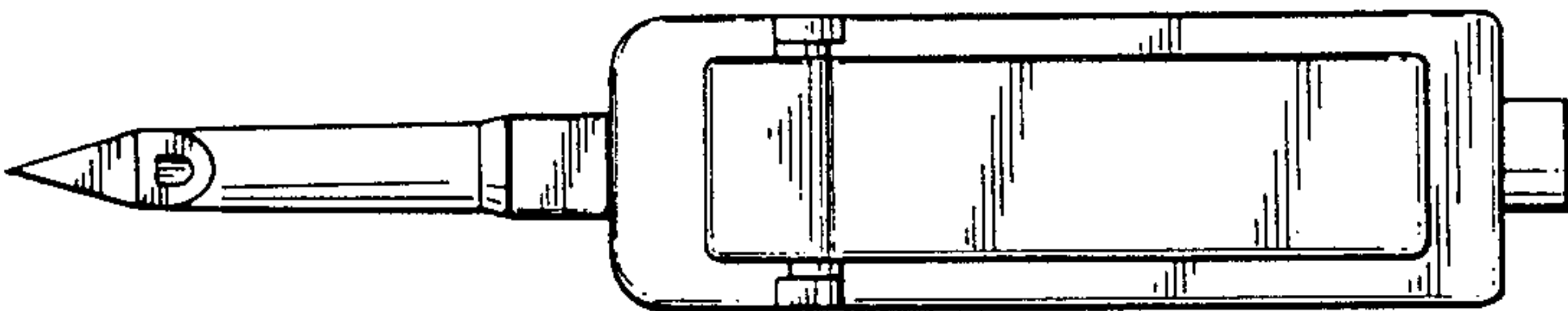


FIG.2

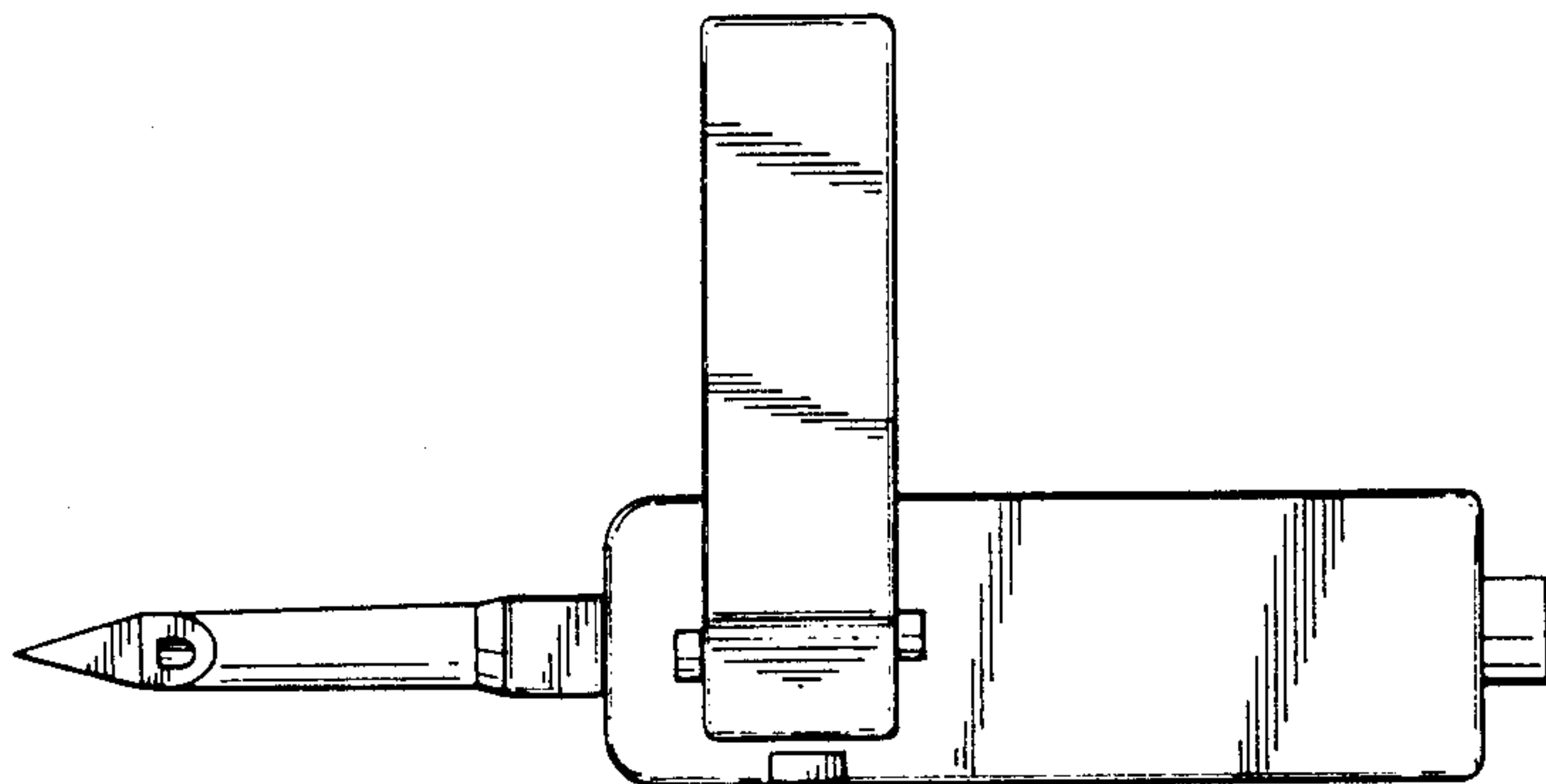


FIG.1

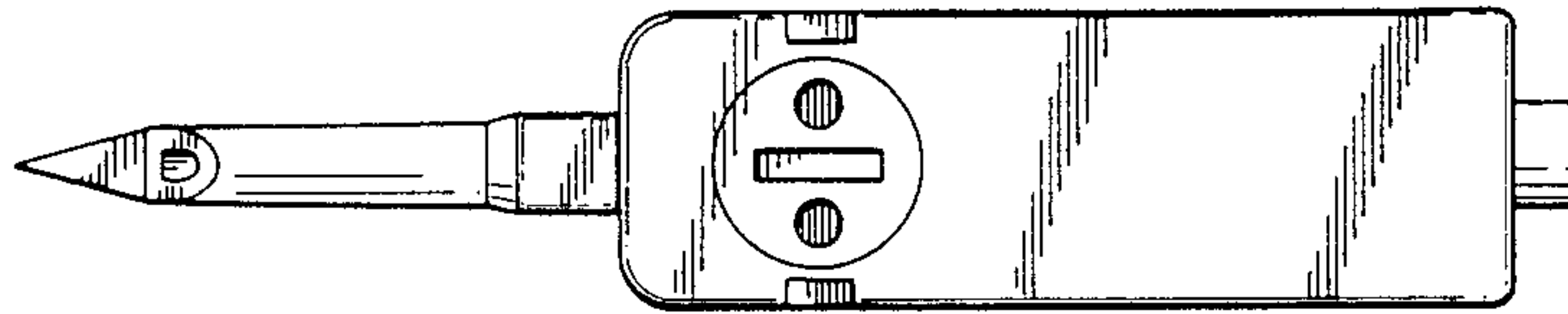


FIG. 4

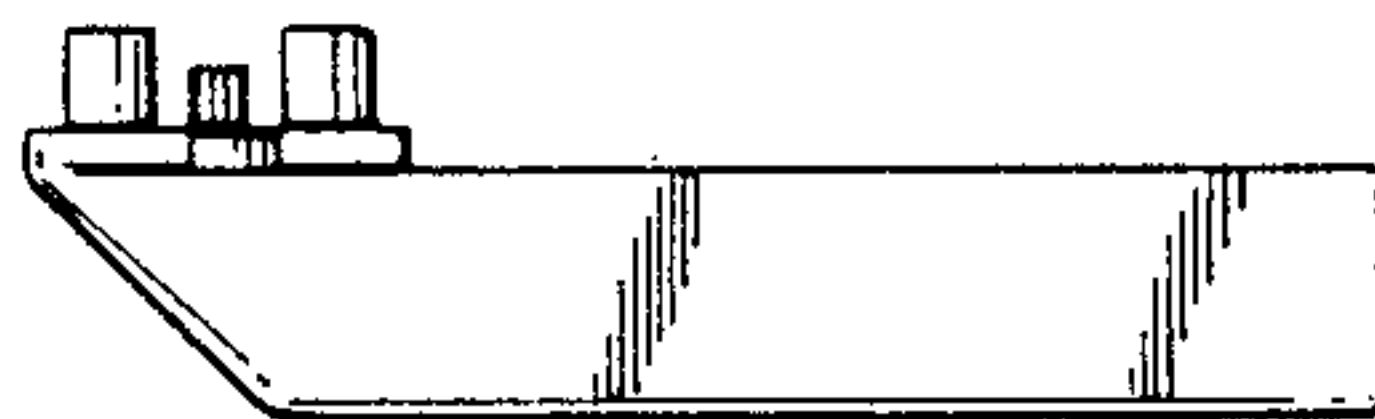


FIG. 5

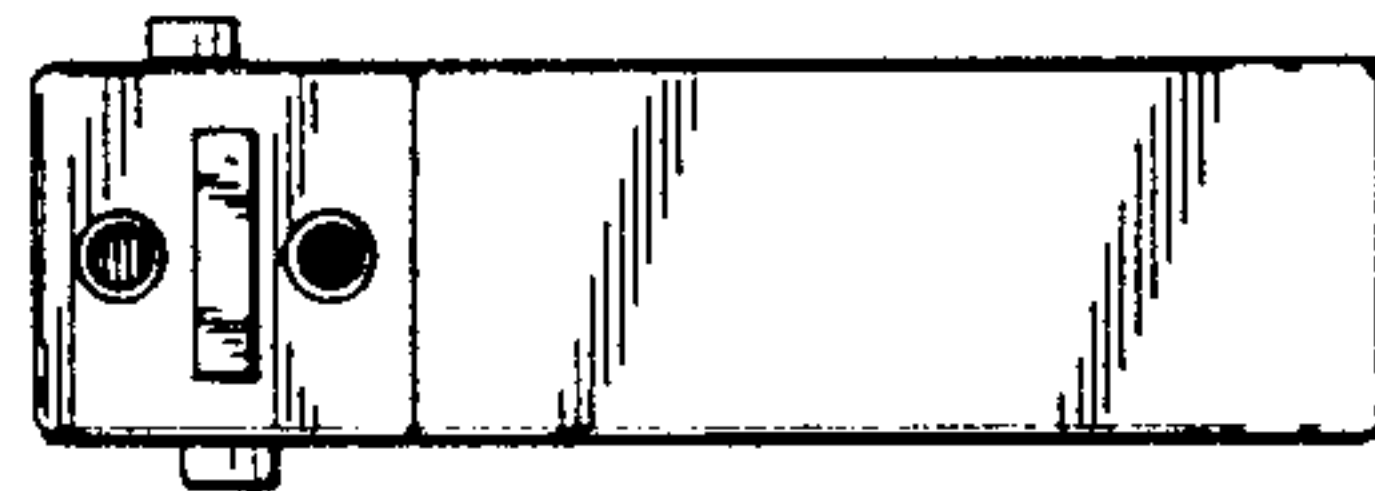


FIG. 6

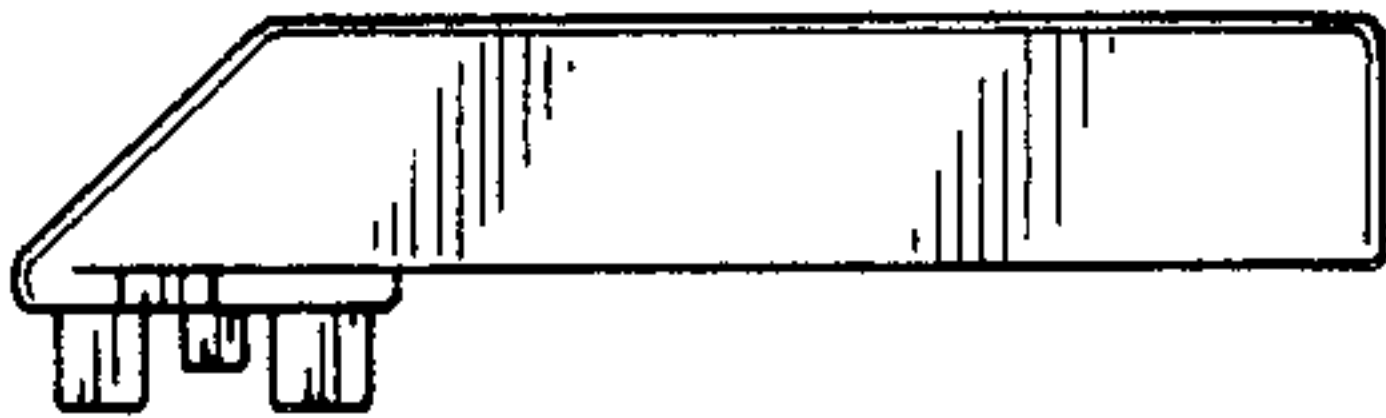


FIG. 7

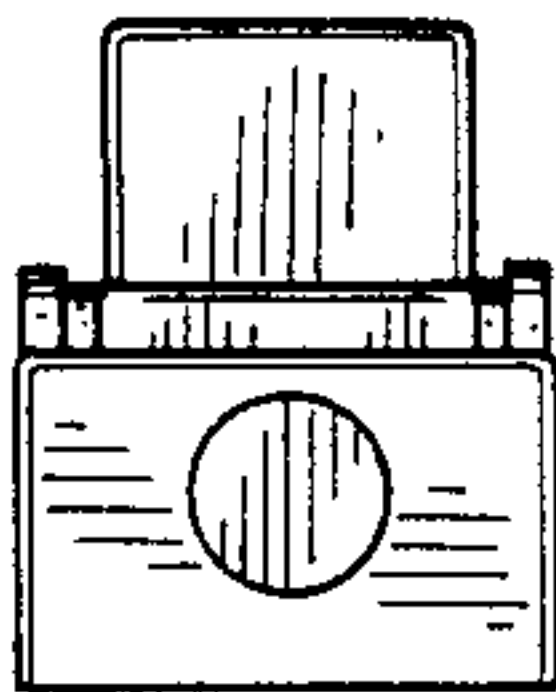


FIG. 9

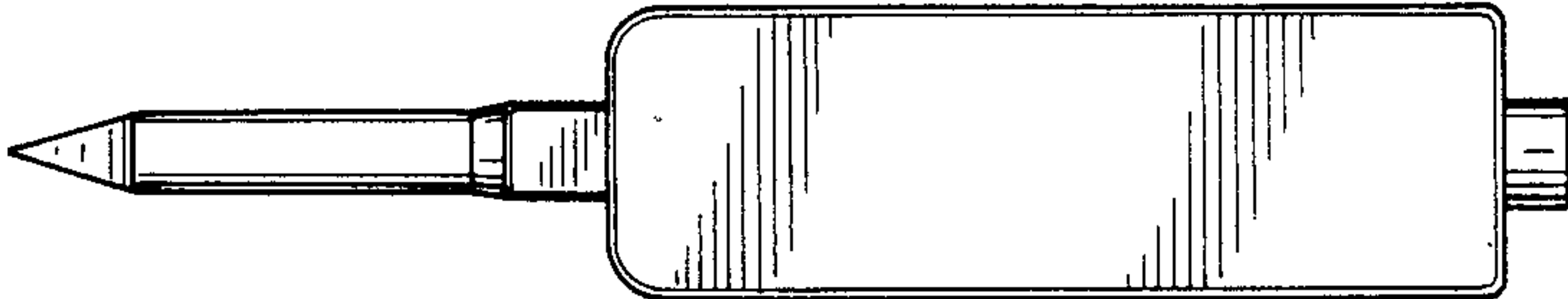


FIG. 8