



US00D477193S

(12) **United States Design Patent**  
**Atnip et al.**

(10) **Patent No.:** **US D477,193 S**

(45) **Date of Patent:** **\*\* Jul. 15, 2003**

(54) **TRENCH DIGGING SHOVEL**

5,975,601 A \* 11/1999 Spear et al. .... 294/49  
6,170,893 B1 \* 1/2001 Parker ..... 294/49

(75) Inventors: **Tim E. Atnip**, Temecula, CA (US);  
**Christopher S. Larson**, San Diego, CA  
(US); **Bob Denman**, Orange, CA (US)

\* cited by examiner

*Primary Examiner*—Pamela Burgess

(73) Assignee: **Corona Clipper, Inc.**, Corona, CA (US)

(57) **CLAIM**

(\*\*) Term: **14 Years**

The ornamental design for the trench digging shovel, as shown and described.

(21) Appl. No.: **29/169,694**

**DESCRIPTION**

(22) Filed: **Oct. 24, 2002**

(51) **LOC (7) Cl.** ..... **08-01**

(52) **U.S. Cl.** ..... **D8/10**

(58) **Field of Search** ..... D8/10; 294/49,  
294/51, 57, 55, 54.5

FIG. 1 is a perspective view of a trench digging shovel showing our new design, the broken lines shown are for illustrative purposes only and form no part of the claimed design;

FIG. 2 is a top plan view of the trench digging shovel;  
FIG. 3 is a left side elevational view of the trench digging shovel;

(56) **References Cited**

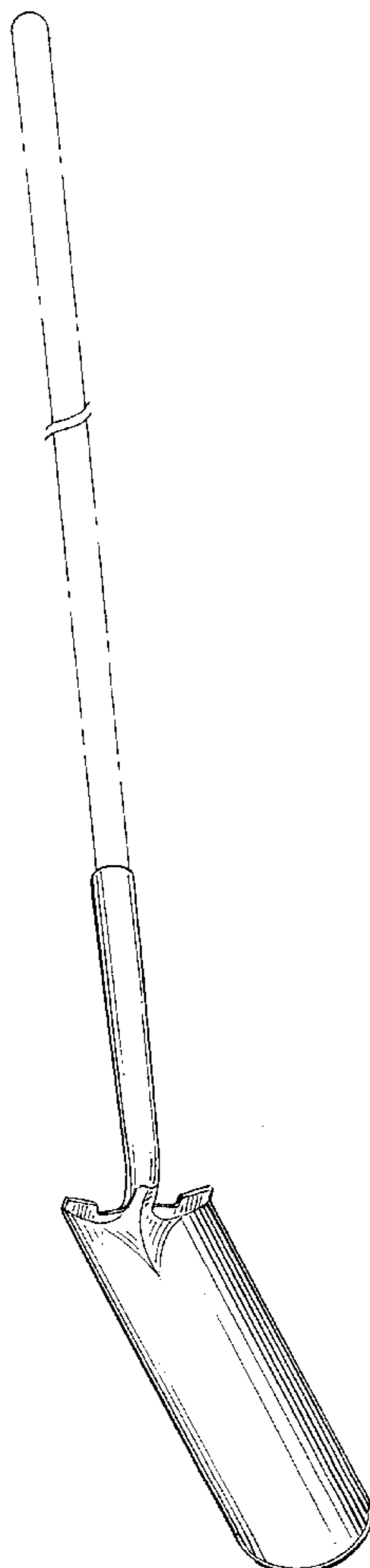
**U.S. PATENT DOCUMENTS**

118,196 A \* 8/1871 Clark ..... 294/49  
4,718,708 A \* 1/1988 Zacuto ..... 294/57  
D326,212 S \* 5/1992 Mingrino ..... D8/10  
D338,378 S \* 8/1993 Concari ..... D8/10  
5,669,649 A \* 9/1997 Metcalf ..... 294/57

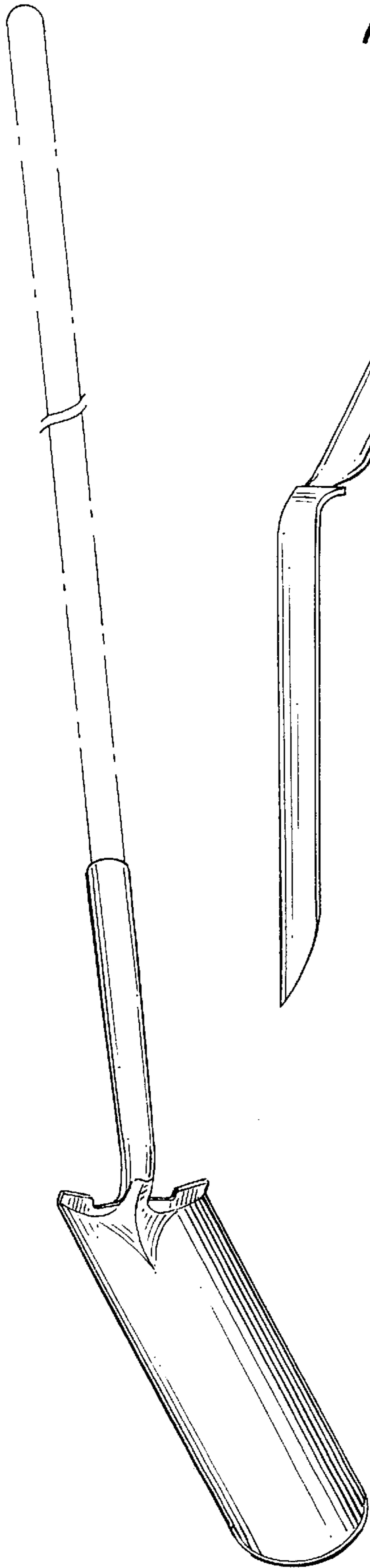
FIG. 4 is a bottom plan view of the trench digging shovel;  
FIG. 5 is a front elevational view of the trench digging shovel; and,

FIG. 6 is a rear elevational view of the trench digging shovel.

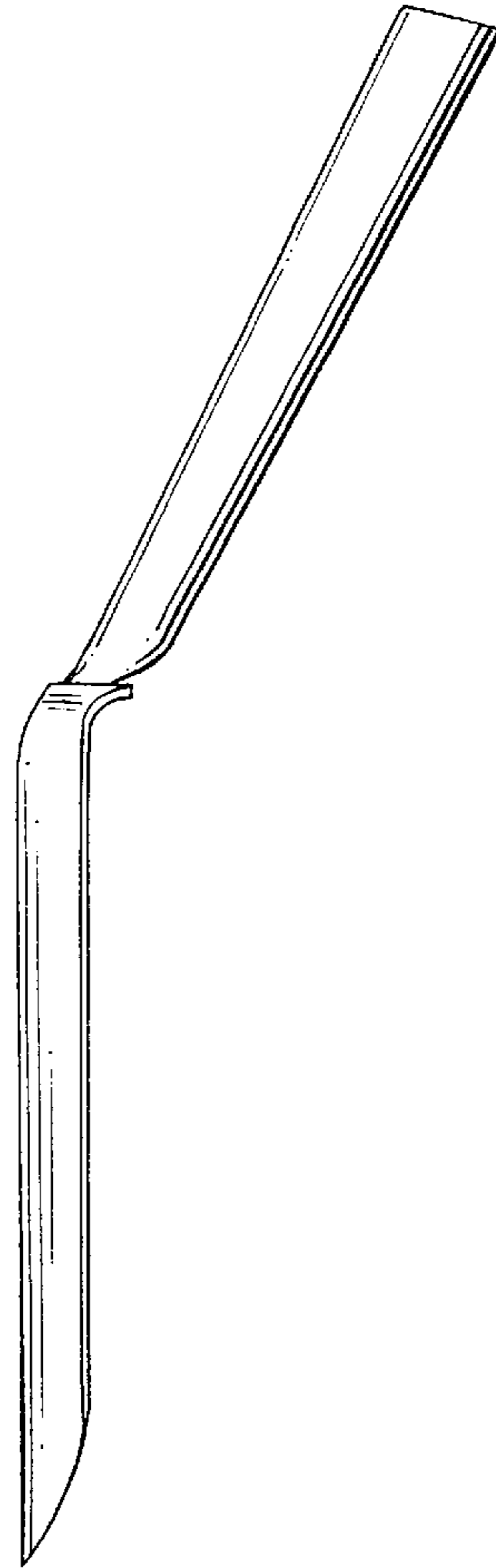
**1 Claim, 1 Drawing Sheet**



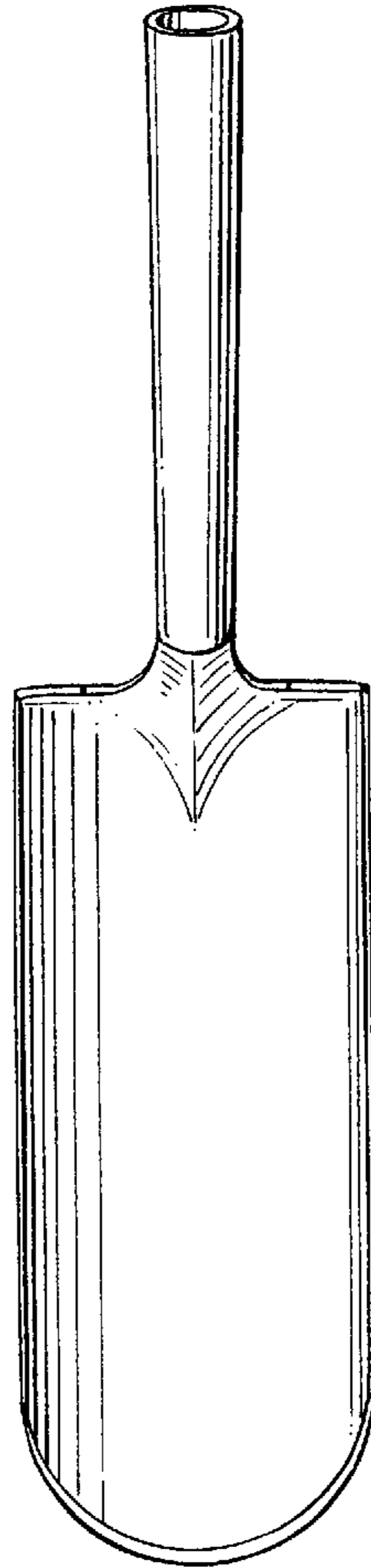
*FIG. 1*



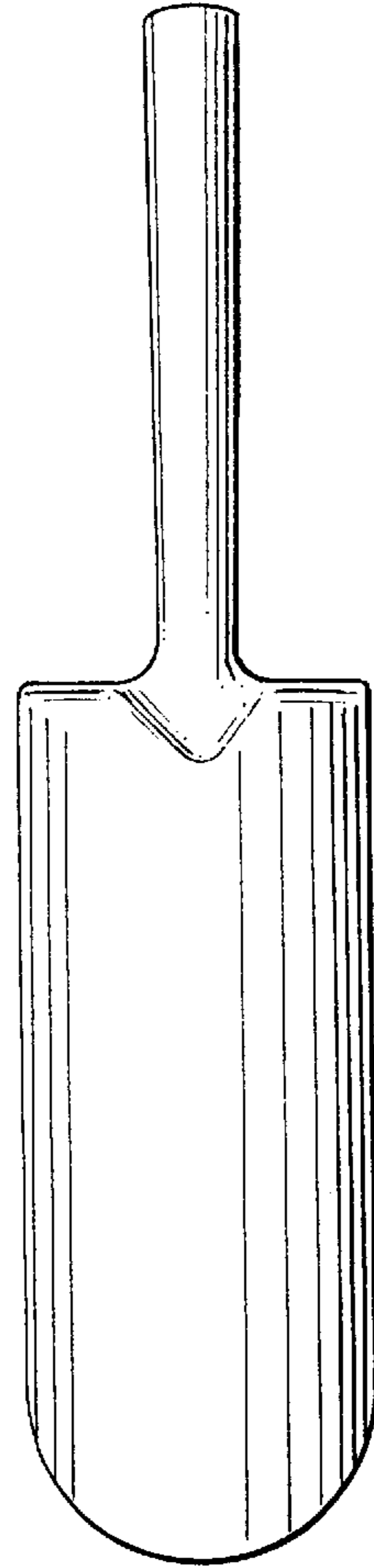
*FIG. 3*



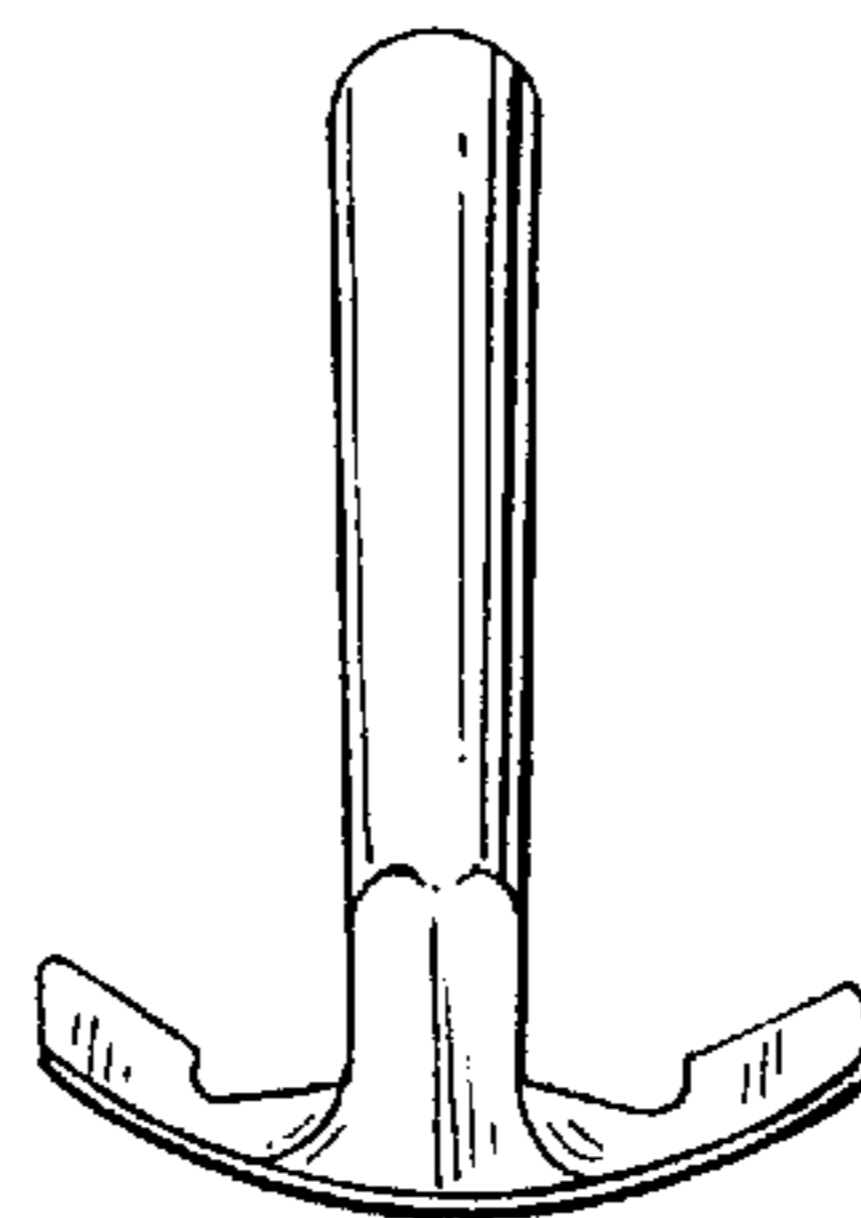
*FIG. 2*



*FIG. 4*



*FIG. 5*



*FIG. 6*

