

**United States Patent** [19]

[11] **Patent Number:** **5,511,572**

**Carter**

[45] **Date of Patent:** **Apr. 30, 1996**

[54] **COLLAPSIBLE SHELTER WITH FLEXIBLE, COLLAPSIBLE CANOPY**

[76] **Inventor:** **Mark C. Carter**, 10131 Kernwood Ct., Alta Loma, Calif. 91737

[21] **Appl. No.:** **279,476**

[22] **Filed:** **Jul. 25, 1994**

[51] **Int. Cl.<sup>6</sup>** ..... **E04H 15/50**

[52] **U.S. Cl.** ..... **135/145; 135/151; 135/155; 135/127**

[58] **Field of Search** ..... **135/144, 145, 135/147, 151, 155, 152, 127**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

402,755	5/1889	Lyon	135/151 X
1,712,836	5/1929	Mills	.
1,853,367	4/1932	Mace	.
2,723,673	11/1955	Call	135/147 X
3,810,482	5/1974	Beavers	135/147
4,601,301	7/1986	Hermanson	135/25
4,607,656	8/1986	Carter	135/110

4,641,676	2/1987	Lynch	135/110
4,779,635	10/1988	Lynch	135/145 X
4,827,958	5/1989	Cantwell et al.	135/127
4,877,044	10/1989	Cantwell et al.	135/127
4,945,584	8/1990	LaMantia	135/127 X
4,947,884	8/1990	Lynch	135/145 X
5,035,253	7/1991	Bortles	135/89
5,069,572	12/1991	Niksic	135/147 X
5,244,001	9/1993	Lynch	135/103
5,275,188	1/1994	Tsai	135/97

*Primary Examiner*—Lanna Mai  
*Attorney, Agent, or Firm*—Fulwider Patton Lee & Utecht

[57] **ABSTRACT**

The collapsible shelter includes a truss and canopy framework that permits a flexible, collapsible canopy to be moved between a raised position and a lowered position. The collapsible shelter includes at least three legs supporting flexible poles removably mounted to the tops of the legs and forming the framework of the canopy. X-shaped truss pairs of link members are connected to each of the legs on each side of the shelter between adjacent legs.

**1 Claim, 6 Drawing Sheets**

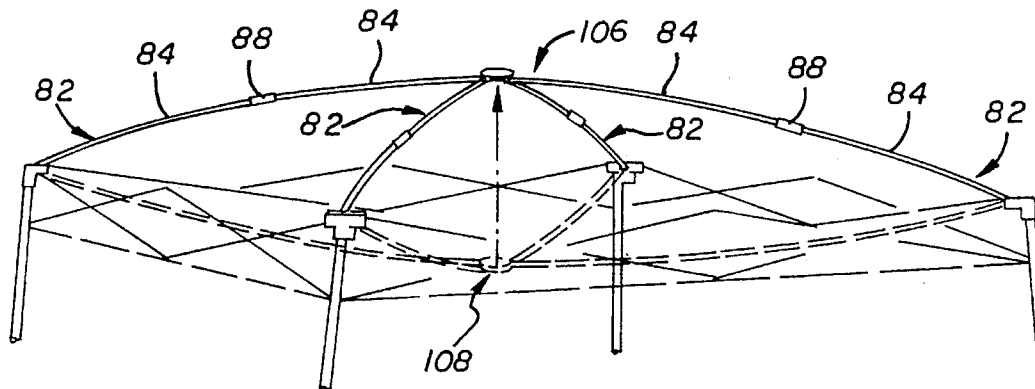
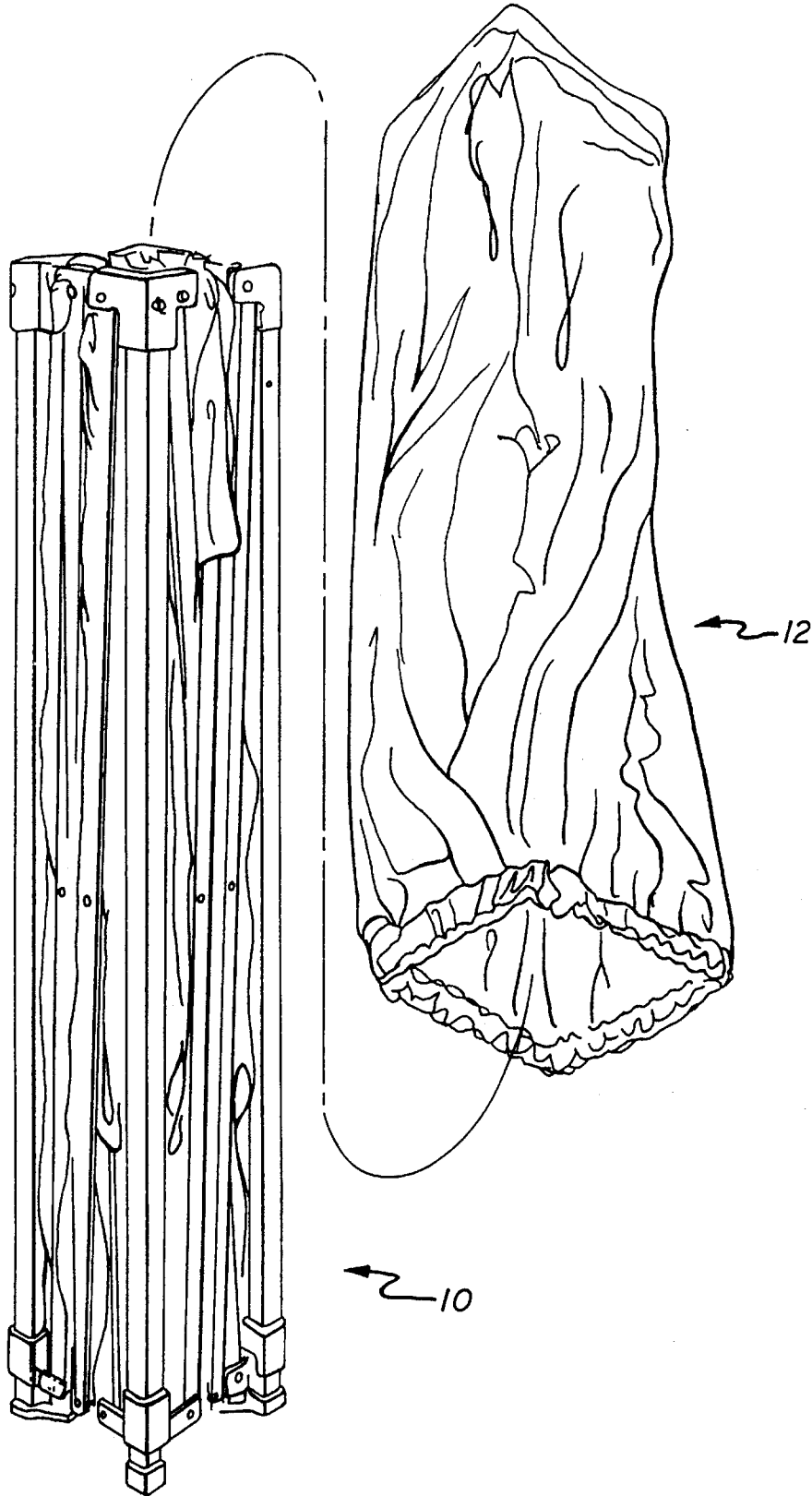


FIG. 1



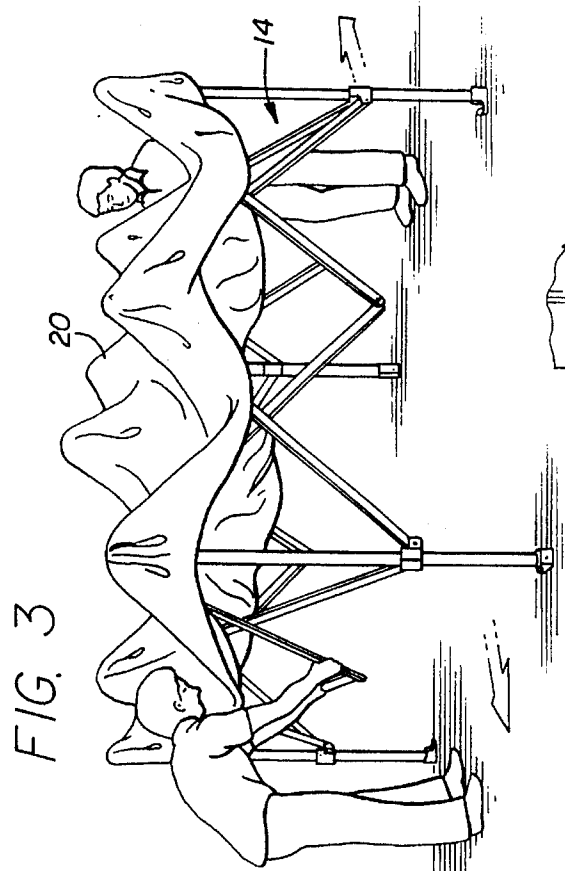


FIG. 3

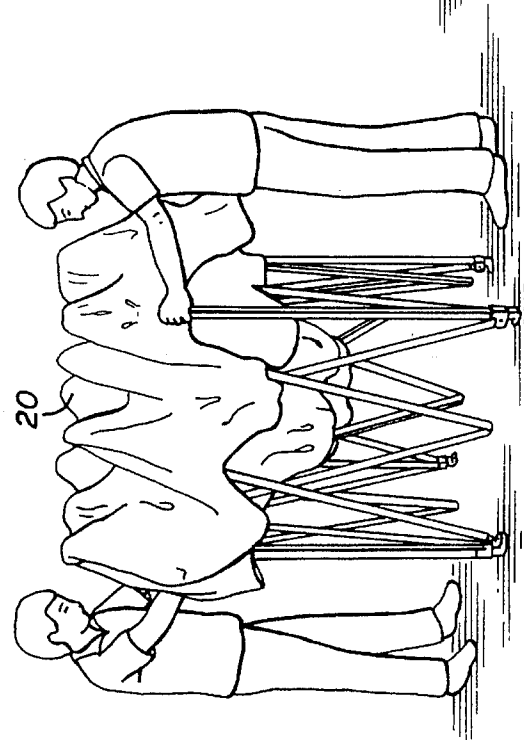


FIG. 2

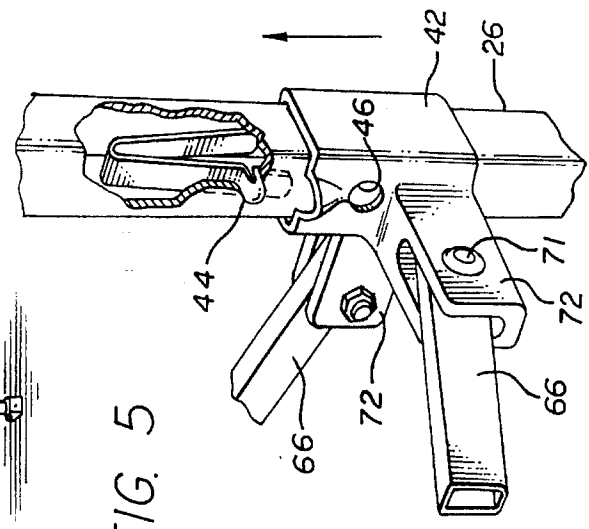


FIG. 5

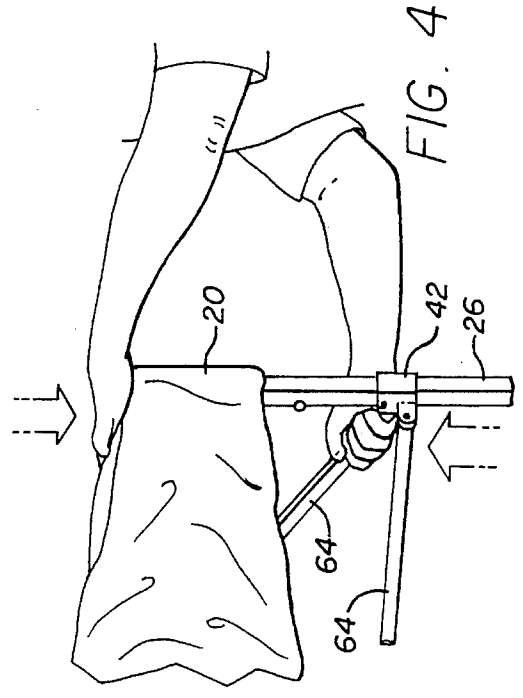


FIG. 4

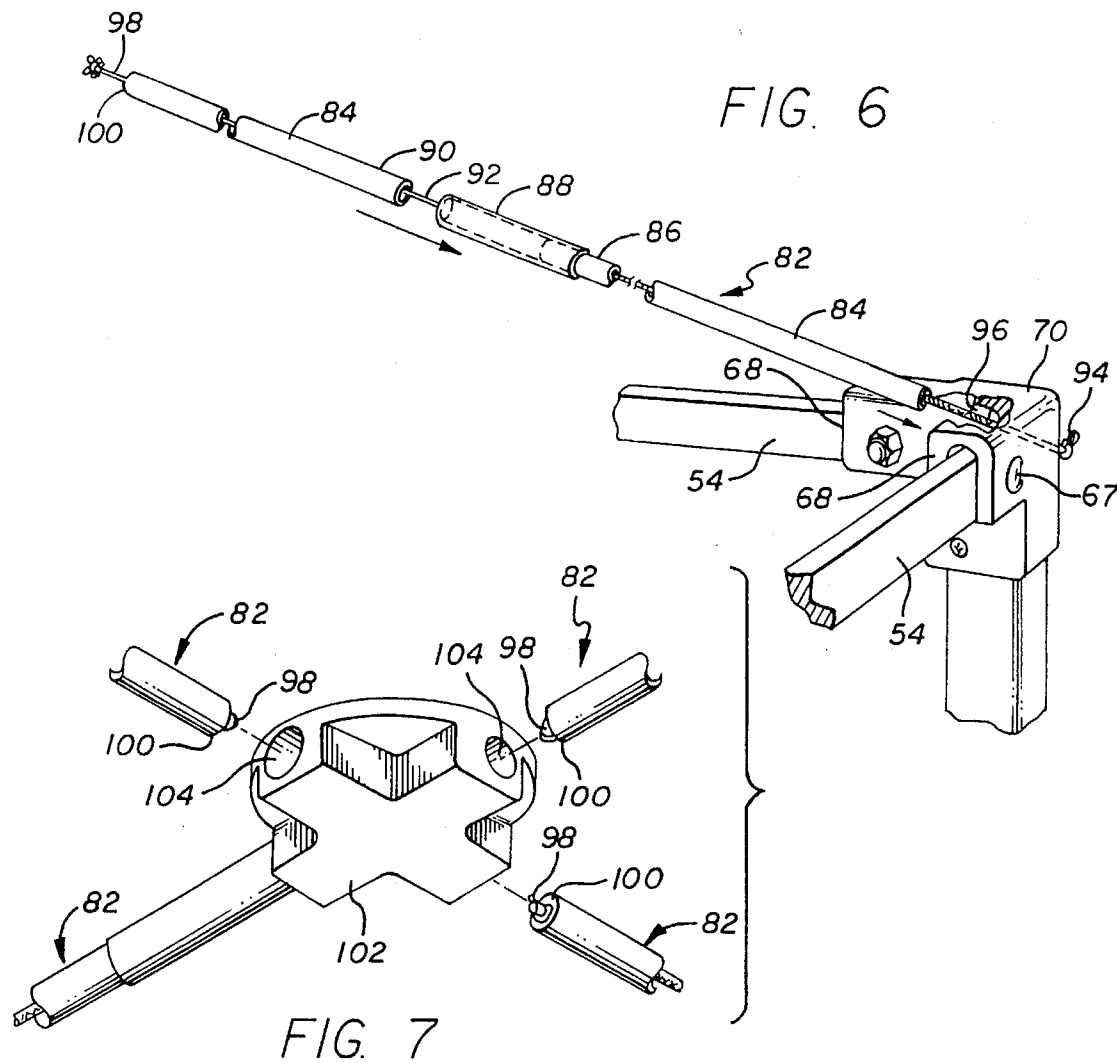


FIG. 6

FIG. 7

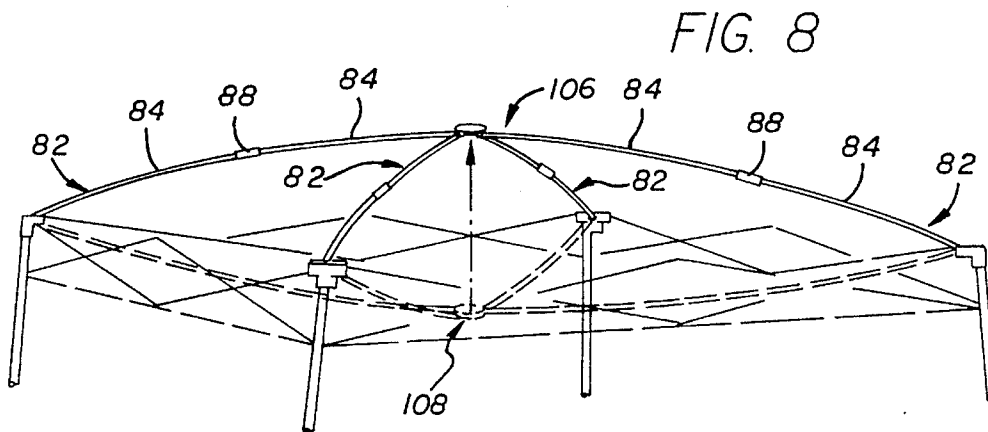


FIG. 8

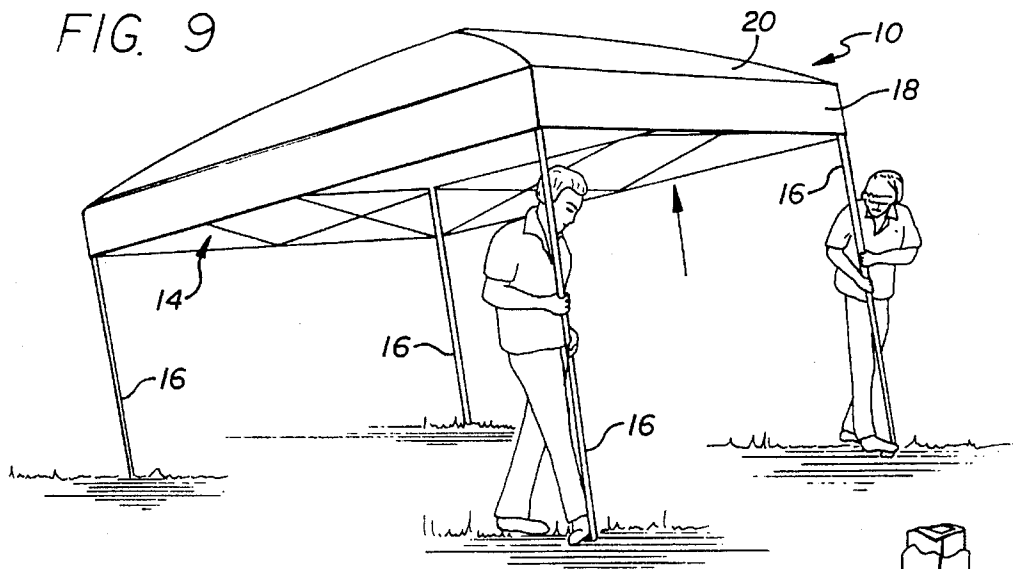


FIG. 10

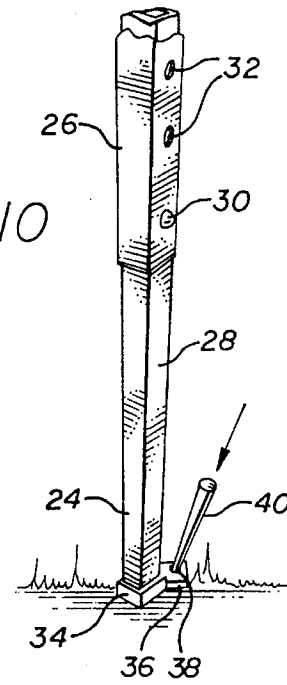
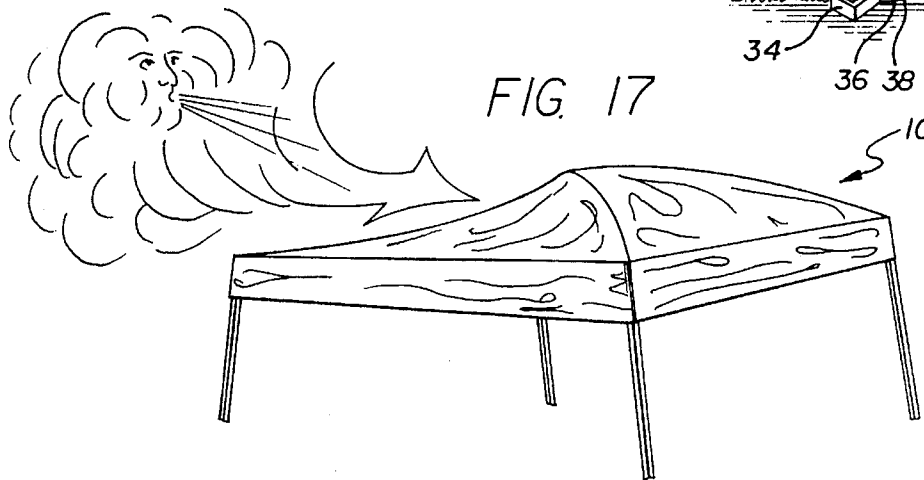


FIG. 17



# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.