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(12) **United States Design Patent** (10) **Patent No.:** **US D488,229 S**
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(54) **COMBINED BONE COMPRESSION AND DISTRACTION INSTRUMENT**

(75) Inventors: **James A. Rinner**, Racine, WI (US);
Timothy J. Michna, Racine, WI (US)

(73) Assignees: **Pilling Weck Incorporated**, Horsham, PA (US); **Pennsylvania Corporation**, Horsham, PA (US)

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

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(51) **LOC (7) Cl.** **24-02**

(52) **U.S. Cl.** **D24/143**

(58) **Field of Search** D24/143; 606/53,
606/54, 57, 90, 105, 86-88

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,709,219	A	*	1/1973	Halloran	.....	606/105
4,187,841	A	*	2/1980	Knutson	.....	606/105
4,929,247	A	*	5/1990	Rayhack	.....	606/53
5,439,465	A	*	8/1995	Tumibay	.....	606/105
D363,545	S	*	10/1995	Miller	.....	D24/143

* cited by examiner

Primary Examiner—Stella Reid

(74) *Attorney, Agent, or Firm*—Arthur J. Hansmann

(57) **CLAIM**

The ornamental design for a combined bone compression and distraction instrument, as shown and described.

DESCRIPTION

FIG. 1 is a side perspective view of a combined bone compression and distraction instrument, showing our new design, in the compression position;

FIG. 2 is a side perspective view thereof, opposite that shown in FIG. 1;

FIG. 3 is a side elevational view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a side elevational view thereof, opposite that shown in FIG. 3;

FIG. 6 is a top plan view thereof;

FIG. 7 and 8 are respectively, right end and left end elevational views thereof;

FIG. 9 is a side perspective view of the combined bone compression and distraction instrument, in the distraction position;

FIG. 10 is a side perspective view thereof, opposite that shown in FIG. 9;

FIG. 11 is side elevational view thereof;

FIG. 12 a bottom plan view thereof;

FIG. 13 is a side elevational view thereof, opposite that shown in FIG. 11;

FIG. 14 is a top plan view thereof; and,

FIGS. 15 and 16 are respectively, right end and left end elevational views thereof.

The broken line showing of the compression instrument and the distraction instrument is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 8 Drawing Sheets

