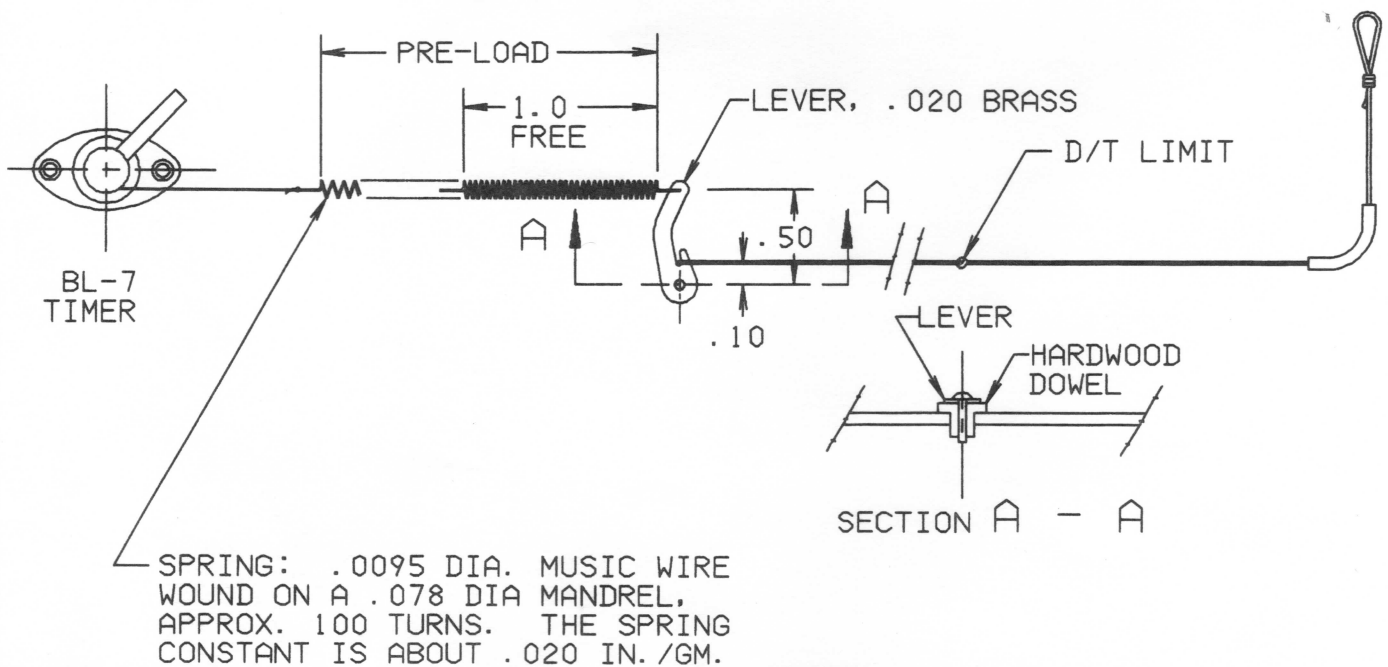


# — Button Timer Adaptation for Large Models —

Adaptation of BL-7 Button Timer for Large Models  
 Carl Perkins, Prairie Village, Kansas



Setup with brass lever, coupled with small spring under calibrated tension, provides ample tension to hold stab of a

large rubber model firmly in flying position, while not overriding the timer action. (Jim O'Reilly drawing.)

The Button Timer is a nifty device, but its action can be severely restricted from high tension on the DT line. The answer: provide leverage. Carl Perkins (Prairie Village KS) devised this adaptation of a BL-7 Button Timer for larger models. It must work, as Carl's Moffett defeated all comers at the 2004 Nats. Here's how Carl sets up his arrangement:

(1) Adjust the line length from the lever to the stabilizer so the lever slants slightly forward when the stab is in flying position. Use a non-stretching line for this segment. [Carl uses Spider Wire fishing line—an excellent product—for his lines.—Ed.]

(2) Wind the spring from .0095-in. dia music wire, using a .078-in. dia mandrel. Wind approximately 100 turns. [This will require more than 2 ft of wire.—Ed.]

(3) Using a 30-gram weight, stretch the spring and note its length, for use as the release point for the timer line. When using a lever having the dimensions shown, a 30-gram tension load will produce about 150 grams (5 oz) hold-down force on the stab.

(4) Adjust the length of the sprint/timer line to maintain at least 30 grams tension at the release point, with the lever in its pre-release position.

(5) When set up as described, the BL-7 timer will normally turn about 90-deg in one minute. Carl says he has had successful DTs exceeding six minutes with the system.

Button Timers are available from Campbell's Custom Kits <souper30@gte.net> and FAI Model Supply <faimodelsupply@cyber-quest.com>. □

## Chilton Sets F1L Record

Flying at the West Baden IN site on Aug. 15, Stan Chilton (Wichita KS) set a record of 22:32 in the FAI F1L category for ceilings in the 15-30m range. It broke the current record of 21:23, set in 2003 by Japan's Akihiro Danjo.

Chilton's record is provisional until final ratification by FAI. □

**For Safety's Sake**  
**Remember: Keep vehicles and**  
**spectators a minimum of**  
**100 ft upwind of your**  
**flight line**