



Traditional Toboggan Class Rules

Definitions:

Toboggan: a long, narrow, flat- bottomed sled, made of thin boards with front curved upward and backward.

Slats: a thin, narrow strip of wood used to construct a toboggan.

Pad: a soft cushioning material that is located under the riders and on top of the toboggan.

Curve: The front upward curve of a toboggan, which must be large enough to cover the first set of rider's feet.

Running Surface: The bottom surfaces of the slats, which may come in contact with the chute or ice.

All Traditional Toboggans:

1. Must be of traditional shape and construction, wooden, and must not exceed 50 lbs with pad. **All sleds must be solidly constructed and all parts securely fastened.**
2. Must be a minimum 15 ¾" wide and a maximum of 20" wide.
3. Must be 6 to 12 feet in length. 6' toboggans will be allowed for the kids and 2 person divisions. All other divisions must be 7 to 12 feet in length.
4. Must have a pad that provides cushioning, made of a soft material and placed under all riders. All toboggans must have some kind of hand-hold for each rider, i.e. rope or wooden handles.
5. The front of the toboggan must have a steam bent, laminated or kerfed open curl with no sides, and is large enough to protect the front riders' feet. (Curl diameter - 6"min. -18"max)
6. The curl must exhibit a curl angle with a minimum vertical measurement of 3 inches. Wedge shaped fronts will not be permitted. Refer to diagram for further clarification.
7. The toboggan must have a flat bottom (running surface), **constructed of a series of wooden slats,** or have a minimum of three slats each extending a maximum of ¼" below the remaining slats. In the case of a toboggan with three or more slats extending below the others, the extended slats must all be the same thickness and have a flat surface (parallel with the ice) and be a minimum width of 2". All slats must be within ¼" of the adjacent slat. Refer to diagram for further clarification.
8. No plywood running surfaces will be allowed. Plywood may be used to create structural rigidity **but no plywood will be allowed on the bottom of the toboggan in contact with the ice.**
9. Any design work at the back of the sled must occur within the last 6 inches of the toboggan.
10. Will not have any synthetic fibers, (i.e. fiberglass or carbon fiber) involved with their construction. Wood grain must be visible.
11. Must not have exposed screws, sharp edges or broken boards.
12. Must not have any substances used as bottom preparation that will impact the chute, the ice or subsequent racers. There will be a toboggan inspector at the top of the chute who will inspect the bottom of each toboggan. If any such substance is identified, it must be wiped off before racing.
13. No modifications or bottom preparation for racing are permitted after second inspection.
14. Damaged toboggans that are repaired must be re-inspected.
15. Must be inspected and approved by officials for design and safety. Decisions by race officials are final and without recourse.
16. All winners are subject to re-inspection.
17. Commercial advertising including banners and signage is prohibited by non-sponsors at the event.



**US National Toboggan Championship
Experimental Toboggan Class**

The above rules for the traditional toboggan will apply except for the following modifications.

1. Plywood bottoms will be permitted. Experimental toboggans must have a flat bottom or have a minimum of three runners each extending a maximum of 1/4" below the bottom surface. In the case of a toboggan with three or more runners extending below the bottom surface, the extended runners must all be the same thickness, a flat surface (parallel with the ice) and be a minimum width of 2".
2. Any synthetic materials will be allowed. No metal will be permitted on the bottom or sides or in any other place that may come in contact with the ice or the chute. The sled shall be a minimum of 17" wide and not wider than 20".
3. There is no maximum weight limitation on sled and accompanying pad.
4. There is no height restriction on experiment toboggans. However, all parts of the toboggan must be securely fastened to the toboggan. Removable covers, canvas covers, mylar covers are not allowed. All riders MUST be visible if viewed from above.
5. The front of the toboggan shall have a bevel, curl or cone that will not cause damage to the ice or chute. The forward most part of the toboggan must be at least 3" above the bottom of the toboggan. See diagram.

Experimental toboggan builders are strongly encouraged to consult with the US Toboggan National Committee regarding sled design and construction. Safety is paramount in all decisions.

Tom Cox, rules committee contact: coxgtom@myfairpoint.net

The Experimental Class will be open to 2, 3, and 4 person divisions, but there will be only one award made for the fastest combined time of two runs. Only one team per sled is allowed in the experimental class.

All Toboggan Riders:

1. No exposed skin except face. Face-masks and properly fitted ski helmets are highly recommended.
2. All body parts need to stay inside the toboggan (No pushing or pulling at the start) until the toboggan stops on pond.
3. Nothing may hang off the toboggan (long hats, scarves, or costumes must be tucked in).
4. All riders must fit safely on the sled and be seated facing forward.
5. All riders gripping rope must have thumbs back or in other manner approved by chute operators.
6. Towing rope may not pass over heads or around bodies or necks.
7. No children under 42" tall will be allowed.
8. Competitors must follow instructions of the race officials at all times.

Race officials reserve the right to refuse any persons or equipment deemed unsafe or not in the spirit of these rules and of the competition.

Intoxication will result in disqualification. Intoxicated persons will not be allowed in the chute.

These rules are for safety reasons: Any persons not following the rules will be disqualified and will not be allowed to make further runs.

Traditional Toboggan Special Award Categories:



All female team, Student team (ages 12-18) and Experimental team winners will be determined by the fastest single run on Friday, Saturday or Sunday whether or not you qualify for the finals. Oldest team goes to the oldest average age team, Best Crafted Toboggan category will be determined at inspection. Costume Contest: awards will be made to the 1st, 2nd & 3rd teams with the best costumes determined by a panel of judges.

US National Toboggan Championship Racing Format

The following is applicable to all 2, 3, and 4 person teams and experimental teams.

To Qualify for the Finals:

- Each team is entitled to two qualifying runs.
- The fastest time of either run determines the eligible teams for the Finals.
- Only one run is required.

The Finals:

The Finals are made up of the following:

2 Person Teams

Top 25 qualifying teams

3 Person Teams

Top 25 qualifying teams

4 Person Teams

Top 50 qualifying teams

Experimental

Top 5 qualifying teams

- Each team is required to make two runs.
- The fastest combined times of both runs determines the final team standings.
- All runs must be made in the published racing time slots as required by the US National Toboggan Committee.

*In the event of a tie – winner goes to the fastest qualifying run time.

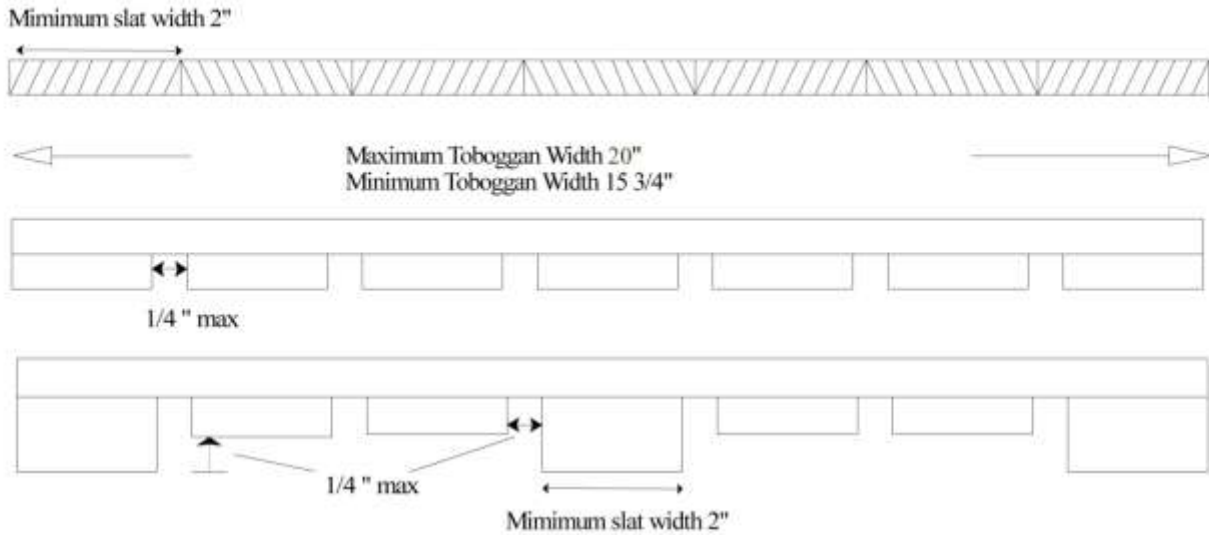
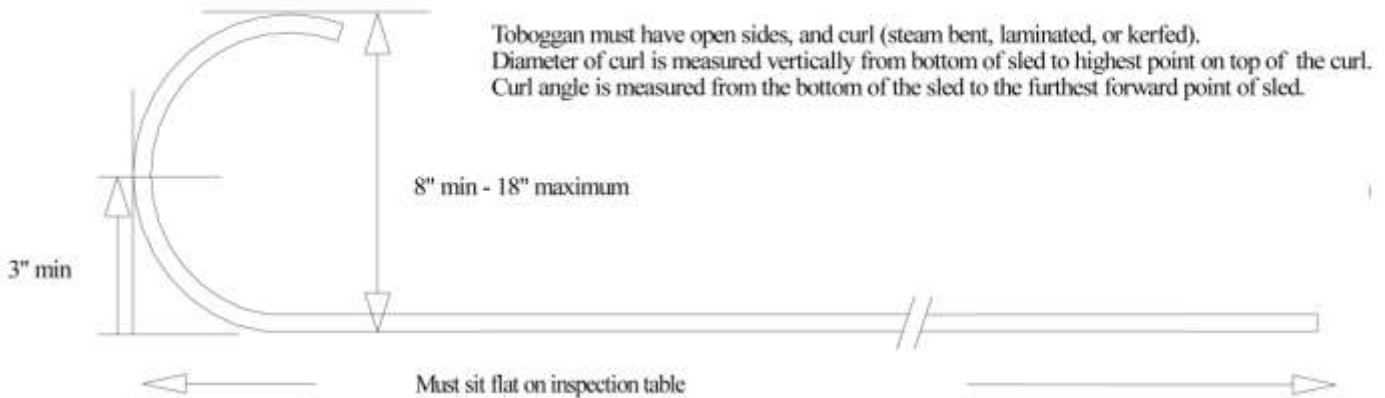
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Traditional Toboggan Schematics



Toboggans that do not have a flat bottom must have a minimum of 3 extended slats, each with a minimum of 2" in width
 All slats must be within 1/4" of the adjacent slat
 Slats must not extend more than 1/4" below others
 All extended slats must extend the same distance

Back or Stern of Sleds - all cutouts / designs must take place within the last 6 inches of the sled

