

# HOUSE . . . . . No. 6685

---

---

## *The Commonwealth of Massachusetts*

---

HOUSE OF REPRESENTATIVES, October 5, 1982.

The committee on Bills in the Third Reading, to whom was referred the Bill authorizing the town of Braintree to convey certain land in said town to Kenneth A. Hanson in exchange for certain other land in said town (House, No. 6533), reports recommending that the same be amended by the substitution of the accompanying bill (House, No. 6685).

For the committee,

ALFRED E. SAGGESE, JR.

## The Commonwealth of Massachusetts

In the Year One Thousand Nine Hundred and Eighty-Two.

AN ACT AUTHORIZING THE TOWN OF BRAINTREE TO CONVEY CERTAIN LAND IN SAID TOWN TO KENNETH A. HANSON IN EXCHANGE FOR CERTAIN OTHER LAND IN SAID TOWN.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:*

1 SECTION 1. The town of Braintree, by its board of selectmen,  
2 is hereby authorized to convey to Kenneth A. Hanson a parcel of  
3 land in said town being the land shown as the easterly half of Lot  
4 #18, being a portion of Plot #22 as shown on Assessors Plan #1094,  
5 containing approximately 5,250 square feet, which land is pres-  
6 ently under the care, custody and control of the town forest com-  
7 mittee of said town. Said parcel of land is bounded and described  
8 as follows:

9 Beginning at a point on the northerly sideline of Wildwood  
10 Avenue, said point being located at the southwesterly corner of a  
11 lot of land as shown on Land Court Plan #23114A; thence running  
12 N78-23-50W along said northerly sideline of Wildwood Avenue  
13 for a distance of 25.00 feet to a point; thence turning to the right  
14 and running N11-47-20E for a distance of 219.15 feet, more or less,  
15 to a point on the northerly line of Lot #18; thence turning to the  
16 right and running along said northerly lot line S80-11-03E for a  
17 distance of 25.01 feet to a point on the westerly line of said lot  
18 shown on Land Court Plan #23114A; thence turning to the right  
19 and running S11-47-20W for a distance of 219.93 feet, more or less,  
20 to the point of beginning.

21 And in consideration of said conveyance, Kenneth A. Hanson  
22 shall convey to said town the entire right, title and interest in and to  
23 a certain vacant parcel of land being the northerly portion of Plot  
24 #21 as shown on said Assessors Plan #1094, said parcel being  
25 bounded and described as follows:

26 Beginning at a concrete bound on the southerly sideline of  
27 Liberty Park Road as shown on Land Court Plan #23114A; thence  
28 running S08-39-10W along the easterly lot line as shown on said  
29 Plan #23114A for a distance of 213.00 feet to a point; thence  
30 turning to the right and running N80-11-03W for a distance of  
31 50.03 feet to a point on the westerly lot line as shown on said Plan  
32 #23114A; thence turning to the right and running along said west-  
33 erly lot line N08-39-10E for a distance of 212.00 feet to a point on  
34 the southerly sideline of Liberty Park Road; thence turning to the  
35 right and running S81-20-50E along said southerly sideline for a  
36 distance of 50.00 feet, more or less, to the point of beginning.

1 SECTION 2. Land conveyed to the town of Braintree by Ken-  
2 neth A. Hanson under the provisions of section one of this act shall  
3 be managed and controlled by the town forest committee of said  
4 town as forest land under the provisions of section twenty-one of  
5 chapter forty-five of the General Laws.

1 SECTION 3. This act shall take effect upon its passage.

1. The first part of the paper is devoted to a general discussion of the problem. It is shown that the problem is equivalent to finding a function  $f(x)$  which satisfies the following conditions:

- (a)  $f(x)$  is continuous on the interval  $[0, 1]$ .
- (b)  $f(x)$  is differentiable on the interval  $(0, 1)$ .
- (c)  $f(0) = 0$  and  $f(1) = 1$ .
- (d)  $f'(x) \geq 0$  for all  $x$  in  $(0, 1)$ .
- (e)  $f'(x) \leq 1$  for all  $x$  in  $(0, 1)$ .

It is shown that the function  $f(x) = x$  is the only function which satisfies these conditions. This is done by first showing that  $f(x) \geq x$  and  $f(x) \leq x$  for all  $x$  in  $(0, 1)$ . Then it is shown that  $f(x) = x$  for all  $x$  in  $(0, 1)$ .

2. The second part of the paper is devoted to a detailed study of the function  $f(x) = x$ . It is shown that this function is the only function which satisfies the conditions (a) through (e) listed above. This is done by first showing that  $f(x) \geq x$  and  $f(x) \leq x$  for all  $x$  in  $(0, 1)$ . Then it is shown that  $f(x) = x$  for all  $x$  in  $(0, 1)$ .

3. The third part of the paper is devoted to a study of the function  $f(x) = x$  in the case where the conditions (a) through (e) are relaxed. It is shown that there are many functions which satisfy these conditions, and that the function  $f(x) = x$  is just one of them.

4. The fourth part of the paper is devoted to a study of the function  $f(x) = x$  in the case where the conditions (a) through (e) are relaxed in a different way. It is shown that there are many functions which satisfy these conditions, and that the function  $f(x) = x$  is just one of them.

5. The fifth part of the paper is devoted to a study of the function  $f(x) = x$  in the case where the conditions (a) through (e) are relaxed in a different way. It is shown that there are many functions which satisfy these conditions, and that the function  $f(x) = x$  is just one of them.

6. The sixth part of the paper is devoted to a study of the function  $f(x) = x$  in the case where the conditions (a) through (e) are relaxed in a different way. It is shown that there are many functions which satisfy these conditions, and that the function  $f(x) = x$  is just one of them.