

1. Case No.		2. Investigator's ID		3. Office Code		EPIDEMIOLOGIC INVESTIGATION REPORT
070930HEP6721		5555		391		
4. Date of Accident (Y/M/D)		5. Date Investigation Initiated (Y/M/D)				
07/09/28		07/10/10				
6. Synopsis of Accident or Complaint						
THE 30 YOM VICTIM RECEIVED A LACERATION TO HIS INDEX FINGER WHEN HE WAS CUTTING WOOD ON HIS TABLE SAW. THE WOOD GOT STUCK WHILE HE WAS PUSHING IT THROUGH SO HE TRIED TO PULL THE WOOD OUT THAT HAD JAMMED. HIS FINGER WAS DRAWN INTO THE BLADE. HE WAS TAKEN TO THE ER WHERE HE WAS TREATED AND RELEASED.						
7. Locations (Home, School, etc.)		8. City		9. State		
1		MIAMI VALLEY		OH		
10. First Product		11. Trade/Brand Name		12. Manufacturer Address		
841		HITACHI		UNKNOWN		
Second Product		Trade/Brand Name		Manufacturer Address		
13. Age of Victim		14. Sex (1=M, 2=F, 3=Unk)		15. Disposition		16. Injury Diagnosis
30		1		1		59
17. Body Part		18. Respondent(s) (Mother, Friend)		19. Type Investigation (1=Onsite, 2=Phone, 3=Other)		20. Time Spent
92		1 - VICTIM		2		.75
21. Attachments		22. Case/Source		23. Reviewed By		Date (Y/M/D)
05 QUESTIONNAIRE		03				
24. Narrative (More detail may be included on separate pages)						

CPS Form No. 102 (Revised 10/1985)

Approved for Use Thru 1/31/2010 OMB No. 3041-0029

MFR/PRVLR NOTIFIED

COMMENTS: YES NO
 OVERRULED; ATTACHED

EXCISIONS/FOIA EXS.

DO NOT RE-NOTIFY RE-NOTIFY

10/23/08 CP

1. Case No.	2. Investigator's ID	3. Office Code	EPIDEMIOLOGIC INVESTIGATION REPORT	
070930HEP6721	5555	591		
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07/09/28	07/10/10			
6. Synopsis of Accident or Complaint				
THE 30 YOM VICTIM RECEIVED A LACERATION TO HIS INDEX FINGER WHEN HE WAS CUTTING WOOD ON HIS TABLE SAW. THE WOOD GOT STUCK WHILE HE WAS PUSHING IT THROUGH SO HE TRIED TO PULL THE WOOD OUT THAT HAD JAMMED. HIS FINGER WAS DRAWN INTO THE BLADE. HE WAS TAKEN TO THE ER WHERE HE WAS TREATED AND RELEASED.				
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Q.1 Do not read to respondent

Interviewer Instructions:

1. Before contacting the respondent, please review the NEISS emergency room information on the assignment cover sheet. Questions 2, 3, and 4 will require you to enter some of this information before you begin the interview.

2. If the victim is age 17 or younger, interview the parent of victim, or ask the parent to listen to the interview on the extension phone while you interview victim. The respondent should be the victim if (s)he is 18 or older.

3. The boldfaced text contains instructions to you and should not be read to the respondent!

Q.2 Please enter the TASK NUMBER.

070930HEP6721

Q.3 Please select the Product Code on record for the saw associated with this incident.

Table or Bench saw (0841)

Q.4 Does the NEISS record indicate injury to a finger or hand (body part codes: finger = 92, hand = 82)?

Yes

Q.5 INTRODUCTION:

Hello. May I speak with _____? (Ask for victim by name or parent or guardian of victim under age 18.)

person is available

Q.7 Hello. I'm _____ . I am working with the U.S. Consumer Product Safety Commission. In cooperation with (hospital name), we're doing a study of saw injuries. We are interested in learning more about these incidents, so we can find ways to help prevent similar

incidents. The information is confidential, and for statistical purposes only. Will you help us?

agreed

Q.10 Interviewer: Indicate below who the respondent is.

Victim/ injured person

Q.13 Was the saw involved in the incident powered or not powered (manual)?

Powered

Q.15 Was the saw a handheld model?

No

Q.16 According to our record the saw involved was a [ANSWER TO Q. 3], is this correct?

Yes (correct)

Q.21 Please describe how the injury happened and what the injuries were. That is, what were you (was the operator) doing just *before*, *during*, and *after* the injury occurred? Please start with what was going on just *before* the injury occurred.

Interviewer: continue on paper if necessary.

I WAS CUTTING A PIECE OF TRIM MOULDING. IT GOT WEDGED IN THE BLADE AS I WAS PUSHING IT THROUGH. I HAD MADE IT ABOUT 90 PERCENT THROUGH WHEN IT BECAME WEDGED. THEN AS I PUSHED I TRIED PULLING THE WOOD FROM THE BACKSIDE WITH MY OTHER HAND AND THE WOOD KICKED BACK AND PULLED MY FINGER IN WITH THE WOOD. IT CUT MY INDEX FINGER AND I WENT TO THE ER.

Q.22 INTERVIEWER READ THE FOLLOWING: In addition to writing down exactly what you told me about how the injury happened, I need to ask you some questions that may seem like I'm asking you to repeat yourself. Please bear with me. We want to be sure we completely understand everything about how the injury happened.

Q.23 Was the motor running at the time of the injury? (Determine if the saw had just been turned "on" or "off")

Motor was running

Q.26 Does the blade have a safety switch such as a key lock that must be activated, in addition to a starter switch, before the saw can be turned on?

No

Q.28 Is the blade of the saw direct drive (blade mounted directly onto the motor output shaft) or indirect drive (belt or gear driven)?

Direct Drive (blade mounted directly onto the motor output shaft)

Q.30 At the time of the injury, were you using the saw, repairing/maintaining the saw, or were you not using the saw?

Using the saw

Q.36 At the time of the injury, "were you" (say "was the operator" if the victim was not the operator) about to start cutting, at the end of a cutting operation, pausing during a cutting operation, or were you (was the operator) in the middle of a cut?

At the end of a cutting operation

Q.37 Do you know (approximately) how long had you (the operator) been working with the saw that day, before the injury occurred?

Yes

Q.38 Please record how long the saw was used that day, before the injury. Specify hrs and/or mins.

1/2 HOUR

Q.39 What were you (was the operator) cutting at the time of the injury?

Other (specify in next window)

Q.40 Specify material being cut.

WOOD MOULDING

Q.41 Interviewer: Say to the respondent- "From now on, to simplify the questions, I will refer to the object being cut as 'stock'."

Q.42 I would like to ask you about the type of cutting operation you were performing at the time of the incident.

Had you (the operator) been cutting the length of the stock (with the grain, ripping), cutting the width of the stock (against the grain, cross cutting), cutting the stock at an angle, or cutting the stock in some other way?

Q.46 Was the blade vertically straight or was it tilted to the side to make a bevel cut?

Vertically straight cut

Q.47 Do you use different types of blades for different types of cutting operations?

No

Q.48 What type of blade was being used at the time of the injury? Was it... (read choices)

Crosscut blade

Q.50 Do you know the diameter of the saw blade?

Yes

Q.51 Enter the diameter of the blade in inches.

10"

Q.52 What was the condition of the blade at the time of the injury? Was it sharp, dull, had teeth missing, or something else?

Sharp

Q.54 Was a blade guard attached to the saw at the time of the injury?

Yes

Q.58 Can you describe the design of the blade guard?

IT IS PLASTIC AND COVERS THE BLADE. WOOD TO BE CUT SLIDES UNDERNEATH IT.

Q.59 Was the blade guard damaged, broken, or in good condition?

In good condition

Q.61 At the time of the injury, did the blade guard function properly?

(Probe to determine:

**if the guard returned quickly to its normal position, select yes;
if the guard was slow to return and hung up, select no)**

Yes

Q.63 Do you believe a blade guard could have prevented this injury?

No, blade guard could not have prevented

Q.64 Could you tell me the blade position or motion, with respect to the stock, at the time of the injury? Was it... **(read choices)**

Inside a cut

Q.67 How much of the stock was already cut at the time of the injury? Were you... **(read choices)**

Part way through? (specify in next window)

Q.68 **Specify: one-half, one-third, one-fourth way or number of inches**

90 PERCENT

Q.69 Was the stock rectangular or some other shape?

Rectangular

Q.71 Do you know the length, width, and/or thickness of the stock being cut?

Yes, know at least one dimension

Q.72 **Specify dimensions of stock in inches (leave blanks for unknowns and convert any fractions to decimals):**

Length in inches __ 12
Width in inches ____ 3
Thickness in inches. .5

Q.73 What was the condition of the stock?
(select as many as apply)

Nothing unusual

Q.75 Did the stock kick back or jump?

Interviewer: Unexpected stock movement is an indication of kickback.

Yes

Q.77 Did the injury occur due to contact with the blade?

Yes

Q.78 Was contact with the blade made above or below the cutting surface?

Above

Q.79 Do you think this blade contact was caused by the stock kickback?

Yes

Q.81 Did the stock move out from under your hand causing the hand to slide/fall into the blade, or did the stock pull your hand into the blade, or did something else occur to bring your hand into the blade?

Stock pulled hand into the blade

Q.84 Was your hand in front of or behind the blade when contact was made?

Behind blade

Q.86 Describe how the stock was supported. Was the stock resting on a table, on a sawhorse, or supported in some other way?

On a table

Q.88 Did the whole surface of the stock fit on the table (or bench) or did it extend beyond?

Fit on the table

Q.89 Was the stock or the support firmly anchored?

Yes

Q.93 At the time of the incident, did you (operator) adjust the plate/base shoe of the saw to a proper depth for the thickness of the stock being cut? **(base plate/base shoe is a rectangular metal piece that wraps around the lower portion of the blade and rest against the stock during a cut)**

Q.95 At the time of the incident, was the whole surface of the plate/shoe completely in contact with the stock being cut?

Q.97 Were you (the operator) standing, kneeling, crouching, leaning or in some other position at the time of the incident?

Q.133 Does the saw belong to your/the victim's household, to another household, was it rented, or something else?

Your/Victim's household

Q.142 Do you know the brand name (manufacturer), model name/number, and/or horsepower of the saw?

Yes, if any are known

Q.143 **Enter manufacturer, leave blank if unknown.**

HITACHI

Q.144 **Enter model #, leave blank if unknown.**

C 10 RA2

Q.145 **Enter horsepower, leave blank if unknown.**

15 AMP

Q.146 Had the saw been changed or modified in any way since you got it?

No

Q.152 Are you right-handed, left-handed, or do you use both hands interchangeably?

Right-handed

Q.156 Please describe the position of your (operator's) left and right hands with respect to the saw and the stock, just before the injury and right at the time of the injury.

Interviewer: (1) Be specific about which saw parts were held or in contact with the hand. (2) Indicate how stock was fed into the saw. (3) Specify if operator was reaching. (4) Specify whether operator was holding stock firmly or loosely.

PUSHING WITH RIGHT HAND AND PULLING CUT WOOD WITH LEFT HAND. AFTER THE JAM WAS PUSHING WITH RIGHT HAND AND PULLING WITH LEFT FROM BEHIND.

Q.157 Were you wearing eyeglasses, safety goggles, gloves, or any other special clothing at the time of the injury? **(Select as many as applicable)**

Eyeglasses

Q.160 Was the operator wearing eyeglasses, safety goggles, gloves, or any other special clothing at the time of the injury? **(Select as many as applicable)**

Q.164 During the last year, what type of cutting have you (the operator) performed most frequently with the saw?

Ripping

Q.166 Do you (operator) have an owner's manual for the saw involved in the injury?

Yes

Q.167 Do you remember any warnings or safety precautions about the operations of the saw that were printed in the owner's manual?

No

Q.169 Do you remember seeing any warnings or safety precautions about the operation of the saw that were printed on a label on the saw?

No

Q.172 Will you tell me your height and/or weight?

Yes, at least one of them

Q.176 Do you know the operator's height and/or weight?

Q.179 Was the saw already assembled before purchase or did you (operator) have to assemble it after purchase?

Assembled before purchase

Q.181 Were you (the operator) ill or under any medication, drugs, or alcohol at the time of the injury?

No

Q.183 In your opinion, what caused the injury incident?

THE KICKBACK ON THE WOOD. ALSO THE FENCE MAY HAVE BEEN A LITTLE LESS THAN PARRALEL TO THE BLADE. IT MAY HAVE BEEN NARROWER ON THE BACKEND AND SHOULD HAVE BEEN WIDER ON THE BACK END.

Q.184 In your opinion, were there any environmental factors such as slippery floor/debris on the floor, debris on the work surface, poor lighting, extreme temperature, or loose clothing that may have contributed to the injury incident?

NO

Q.185 If I have missed anything or we need additional information, may I call you back?

Yes, ok to call back

Q.186 When is a good time to reach you?

ANYTIME

Q.187 End interview by saying:

Thank you very much for your time. Your answers to these questions will be used in our efforts to prevent other such injuries.

Q.188 Interviewer: Enter today's date (month/day/year).

10/21/07

Hitachi Koki U.S.A., Ltd.

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January 17, 2008

U.S. Consumer Products Safety Commission
National Injury Information Clearing House
4330 East West Hwy., Room 504
Bethesda, MD 20814
(VIA e-mail: clearinghouse@cpsc.gov)

Re: 070930HEP6721 ✓

To Whom It May Concern:

Thank you for providing information related to the above report number. We would like to comment on the report.

We believe the product can be used safely as long as it is operated in accordance with the Instruction and Safety Manual.

In reference to the interviewee's comment that "the fence may have been a little less parallel to the blade" in Q183, users are instructed to check and adjust the rip fence so that it is parallel to the blade in order to prevent kickback, as specifically written in page 5 and 16 of the Instruction and Safety Manual.

Also, the accident would not have occurred if the user had followed the warning of keeping hands away from the saw blade as written in the Instruction and Safety Manual. To keep hands away from the saw blade, users should use equipment such as a stick to push the work piece as specifically written in page 22 and 23 of the Instruction and Safety manual.

Thank you for reading our comments related to this report. We will be glad to answer and questions related to our comments.

Sincerely,



Benjie Hopkins
Vice President Administration