

1. Case No.	2. Investigator's ID	3. Office Code	EPIDEMIOLOGIC INVESTIGATION REPORT	
080229HEP9005	5555	591		
4. Date of Accident (Y M D)	5. Date Investigation Initiated (Y M D)			
08 02 11	08 03 13			
6. Synopsis of Accident or Complaint				
THE 69 YEAR OLD MALE VICTIM WAS USING A TABLE SAW WHEN A PIECE OF WOOD FLEW OUT AND LODGED INTO HIS CHEST 4 INCHES. HE REMOVED THE WOOD FROM HIS CHEST AND WAS TAKEN TO THE EMERGENCY DEPARTMENT BY THE FIRE DEPARTMENT MEDIC WHERE HE WAS TREATED AND ADMITTED FOR HOSPITALIZATION.				
7. Locations (Home, School, etc.)	8. City	9. State		
1	VASHON	WA		
10. First Product	11. Trade/Brand Name	Manufacturer Address		
841		UNKNOWN		
Second Product	Trade/Brand Name	Manufacturer Address		
12. Age of Victim	13. Sex (1=M, 2=F, 3=Unk)	14. Disposition	15. Injury Diagnosis	
69	1	4	62	
16. Body Part	17. Respondent(s) (Mother, Friend)	18. Type Investigation (1=Onsite, 2 = Phone, 3 = Other)	19. Time Spent	
79	1 VICTIM	2	.75	
20. Attachments	21. Case Source	22. Reviewed By:	Date (Y M D)	
05 QUESTIONNAIRE	03			
23. Narrative (More detail may be included on separate pages)				

CPSC FORM NO. 182 (Revised 10/1985)

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

CPSA 6(b)(1) CLEARED for PUBLIC ^{SB}
 NO MFRS/PRVTLBLRS OR
 PRODUCTS IDENTIFIED 6/13/11
 EXCEPTED BY: PETITION
 RULEMAKING ADMIN. PRCDG
 WITH PORTIONS REMOVED: _____

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.

080229HEP9005

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)?

No

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.6 When would be a good time to contact him/her? (Record on Record of Call sheet)

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.8 **please explain**

Q.9 **Continue with interview?**

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

Victim/ injured person

Q.11 **Please specify relationship to victim.**

Q.12 Did you witness the incident?

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

Powered

Q.14 **Specify product**

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?

Q.17 Do you call your saw (**choose the best answer**) a circular saw (sometimes called a skil saw), a hack saw, a jigsaw, a saber saw, a reciprocating saw, a chain saw, or something else?

Interviewer: Skil is a manufacturer name for a circular saw type

Q.18 **Specify**

Q.19 Do you call your saw a (**read choices**)?

Q.20 **Specify**

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 SUCCESSFULLY BEVELING THE EDGE OF A MOLDING AND I AM ALWAYS AFRAID OF THOSE KINDS OF SAWS AND WAS STANDING OFF TO ONE SIDE, SO THAT ANY FLYING DEBRIS WOULD NOT HIT ME. HOWEVER, THIS DID NOT WORK OUT FOR ME THIS TIME. THE OFF CUT FROM THE PIECE I WAS CUTTING SOMEHOW GOT STUCK OR HIT THE BLADE, PROPELLING THE OFF CUT PIECE INTO MY CHEST. THE WOOD WENT INTO MY CHEST ABOUT 4 INCHES AND PUNCTURED MY SMALL INTESTINE WITH A GREAT DEAL OF FORCE. I WAS DOING THIS WORK IN THE GARGE AND IT DIDN'T HURT. SO I IMMEDIATELY PULLED THE PIECE OF WOOD OUT OF MY CHEST, WHICH I AM STILL NOT SURE WAS A BAD OR GOOD IDEA. I HEADED TO THE HOUSE SHEDDING MY JACKET, SHIRTS, AND SO ON. I GOT TO HOUSE AND HAD MY WIFE CALL 911. I LAY DOWN ON THE COUCH IN A COMFORTABLE POSITION AND WAITED FOR THEM TO GET HERE. THE FIRE DEPARTMENT HAS A MEDIC 3 AND THEY TOOK ME TO THE EMERGENCY DEPARTMENT WHERE THEY OPENED UP MY BODY CAVITY AND COMMENCED TO FIX THE HOLES RIGHT THEN AND THERE AS THERE WAS NOT TIME TO TAKE ME TO THE SURGERY DEPARTMENT. I WAS IN HOSPITAL FOR 1 WEEK AND THEN ALLOWED TO GO HOME, AND HERE I SIT. I AM AN ACTIVE GUY AND THIS SITTING AROUND IS MAKING ME MISERABLE. I SUPPOSE I AM PROBABLY MAKING OTHERS AROUND ME MISERABLE IN TURN.

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.24 How long before the injury was the motor turned "on"? (**specify min/hrs**)

Q.25 How long before the injury was the motor turned "off"? (**specify min/hrs**)

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.27 Is the safety switch removable or stationary?

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.29 **Specify.**

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.31 Was someone else operating the saw at the time of the injury?

Q.32 What were you doing?

Q.33 At the time of the injury, was the victim using the saw, repairing/maintaining the saw, or was the victim not using the saw?

Q.34 Was someone other than the victim operating the saw at the time of the injury?

Q.35 What was the victim doing?

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.**

30 MINUTES

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

Wooden board

Q.40 **Specify material being cut.**

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?

The length of the stock (with the grain, ripping)

Q.43 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 (ripping), cutting the width of the stock (cross cutting), cutting the stock at an angle, or cutting the stock in some other way?

Q.44 **Specify degree of angle.**

Q.45 **Specify.**

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

Bevel cut

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

Yes

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

Combination blade

Q.49 Specify type of blade.

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

Yes

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

8 OR 9 INCHES

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.53 Specify condition of the blade.

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

Yes

Q.55 What was the reason?

Q.56 Why was the blade guard removed?

Q.57 Specify.

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

IT GOES UP AND OVER THE WOOD,IT IS SORT OF AN UPSIDE DOWN RECTANGULAR HOLLOW AFFAIR OF LIGHT METAL.

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

In good condition

Q.60 Specify how blade guard was [ANSWER TO Q. 59].

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.62 Explain.

DIT

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)**

Don't know

Q.65 Describe.

Q.66 Specify.

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

Coming out at the other end of the stock?

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

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

Rectangular

Q.70 Specify shape of stock.

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 ___ 96
Width in inches ___ 4.5
Thickness in inches. .75

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

Nothing unusual

Q.74 Specify.

Q.75 Did the stock kick back or jump?

Interviewer: Unexpected stock movement is an indication of kickback.

No

Q.76 **Specify.**

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

No

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

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

Q.80 **Specify.**

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?

Q.82 Did the stock move out from under the victim's hand causing the hand to slide/fall into the blade, or did the stock pull the victim's hand into the blade, or did something else occur to bring the victim's hand into the blade?

Q.83 **Specify.**

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

Q.85 Was the victim's hand in front of or behind the blade when contact was made?

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

In some other way (specify in next window)

Q.87 Describe how the stock was supported.

ON THE TABLE SAW THEN ONTO A SERIES OF ROLLERS

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

Extend beyond

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

Yes

Q.90 What is the weight of the portable saw? (enter the estimated weight in pounds or **UNKOWN if not known**)

Q.91 Did you (the operator) have any problems with the saw being too heavy to handle easily?

Q.92 Describe the problems with the saw being too heavy.

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.94 Specify how the plate/shoe was set.

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.96 Describe the relationship between the plate/shoe and 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.98 Specify the operator's position.

Q.99 Was the table saw a portable bench saw model, a semi-portable contractor saw model (saw is on a frame with legs), or a fixed cabinet saw model?

Portable Bench saw model

Q.100 How was the saw supported at the time of the injury?

(1) Determine whether the base or cabinet (supporting the saw) came with the table saw when it was purchased or whether the operator used some other support.

(2) Determine whether the base was stable.

ON 2 SAW HORSES AND IT WAS CERTAINLY STABLE

Q.101 Were you (operator) pulling, pushing, or holding the stock at the time of the injury?

None of these

Q.102 Was a push stick or a miter gauge used for pushing?

Q.103 Why?

Q.104 Was a rip fence used to guide the stock?

Yes

Q.105 Was the stock held securely against the fence during the cutting operation or was it wobbling or shifting?

Held securely against the fence

Q.106 How was the stock held?

Held with both hands

Q.107 **Specify other way the stock was held.**

Q.108 **Specify.**

Q.109 Do you remember the height of the blade above the table?

Yes

Q.110 What was the height of the blade above the table in inches?

1 INCH

Q.111 How was this height measured?

Other (specify in next window)

Q.112 **Specify.**

TEST CUT ON STOCK

Q.113 Was a riving knife attached to the saw at the time of the injury?

No

Q.114 Was there an anti-kickback pawls and spreader assembly attached to the saw at the time of the injury?

Don't know

Q.115 Was the anti-kickback mechanism resting on the stock, or was it not touching the stock?

Q.116 Why not?

DO'T

Q.117 How was the saw supported at the time of the accident?

(1) Determine whether the support (base or cabinet) came with the saw when it was purchased or if the operator used some other support.

(2) Determine whether the support was stable.

Q.118 Were you (operator) pushing or pulling the stock or pushing, pulling, lifting, or lowering the arm of the saw at the time of the injury?

Q.119 Was a push stick used?

Q.120 Why not?

Q.121 **Specify.**

Q.122 Was a rip fence used to guide the stock?

Q.123 Was the stock held securely against the fence during the cutting operation or was it wobbling or shifting?

Q.124 How was the stock secured to the fence?

Q.125 **Specify.**

Q.126 **Specify.**

Q.127 Was there an anti-kickback and spreader assembly attached to the saw at the time of the injury?

Q.128 At the time of the injury, was the anti-kickback mechanism resting on the stock, or was it not touching the stock?

Q.129 As the stock was getting cut, can you tell me if the anti-kickback and spreader assembly was positioned in front of the cut or behind the cut?

Q.130 Why not?

Q.131 Was there an electric brake on the saw at the time of the injury?

Q.132 Did the electric brake stop the saw properly and quickly?

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.134 **Specify relationship to victim's household
ex. neighbor, friend, coworker, etc.**

Q.135 **Specify.**

Q.136 Did <[ANSWER TO Q. 135]> get the saw new or used?

)

Q.137 Did your/victim's household get the saw new or used?

New

Q.138 Do you know about when the saw was purchased?

Yes

Q.139 **Specify when saw was purchased
enter month and/or year.**

2006

Q.140 Do you know about how old the saw is?

Q.141 **Enter age of saw in years, months, days- as much detail as respondent can give.**

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.**



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

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

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

No

Q.147 How was the saw changed or modified?

Q.148 Who made the modification?

Q.149 **Specify relationship of this person to the victim.**

Q.150 Does the saw have a cord (**plugs into the wall**) or is it cordless (**runs off battery power**)?

Q.151 At the time of the incident, was the saw plugged in or running off battery power?

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

Right-handed

Q.153 Is the victim right-handed, left-handed, or does the victim use both hands interchangeably?

Q.154 Is the operator right-handed, left-handed, or does the operator use both hands interchangeably?

Q.155 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 how the saw was held (2) Indicate how saw was fed into the stock. (3) Specify operator's position to the side or directly behind the stock.

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.

FACING THE BLADE MY BODY WAS AT THE LEFT OF THE SAW BLADE SO I WOULDN'T BE HIT BUT OF COURSE THAT PARTICULAR PLAN DIDN'T WORK. THE LAST OF THE STOCK HAD CLEARED AND I WAS PUSHING IT WITH MY RIGHT HAND FROM THE LEFT POSITION EXPOSING ONLY MY RIGHT ARM AND MY LEFT HAND WAS DOING FINAL GUIDING OF THE WOOD ONTO THE ROLLERS. AND MY LEFT HAND HELPING TO GUIDE THE ALREADY CUT WOOD ONTO THE ROLLERS. I SUPPOSE I WAS REACHING SOMEWHAT. I WAS HOLDING THE WOOD FIRMLY.

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

Q.159 **What other special clothing was worn by the victim?**

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.161 **What other special clothing was worn by the operator?**

Q.162 How many times during the last year have you (operator) used the saw?

10 times or more

Q.163 On the average, how many hours and minutes each time did you (operator) spend operating the saw?

Less than 1 hour

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

Other (specify in next window)

Q.165 Specify the type of use.

RIPPING AND BEVELING, PRIMARILY 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?

Yes

Q.168 Specify what the warnings say.

JUST.THE STANDARD SORT OF WARNINGS. NO, NOTHING SPECIFIC

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?

Don't know

Q.170 Specify what those warnings say.

Q.171 Where were these warnings located?

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

Yes, at least one of them

Q.173 Do you know the victim's height and/or weight?

Q.174 **Enter height, leave blank if unknown/refused.**

6'

Q.175 **Enter weight, leave blank if unknown/refused.**

210 POUNDS

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

Q.177 **Enter height, leave blank if unknown/refused.**

Q.178 **Enter weight, leave blank if unknown/refused.**

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

Assembled before purchase

Q.180 Was the saw already assembled before rental or did you (operator) have to assemble it during rental?

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

No

Q.182 Please explain.

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

I CAN ONLY SPECULATE BECAUSE IT WAS A BIG SURPRISE, WHEN YOU BEVEL THERE IS A LITTLE TRIANGULAR PIECE THAT FALLS OFF AND IT SOMEHOW GOT CAUGHT BETWEEN THE BLADE AND THE PIECE THAT WAS CUT.

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?

MOST ANYTIME RIGHT NOW

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).

MARCH 17, 2008