

CORNELIA CRESTMAN, a minor,  
BY HER FATHER AND NEXT FRIEND,  
JOHN A. CRESTMAN,

Plaintiff,

VS

HUBERT HARVILLE,

Defendant.

IN THE CIRCUIT COURT OF  
BALDWIN COUNTY, ALABAMA

AT LAW.

3950

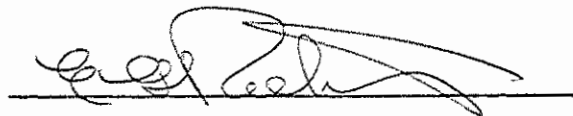
M O T I O N

Comes the Defendant in the above styled cause and moves  
to strike the allegations in the Plaintiff's Complaint, to-wit:

"She was caused to incur large hospital and medical  
bills all to the loss of the Plaintiff in the aforesaid amount".

And assigns as said grounds for the motion the fact that  
the Complaint shows the Plaintiff is a minor and as such is not  
legally obligated for hospital and medical expenses.

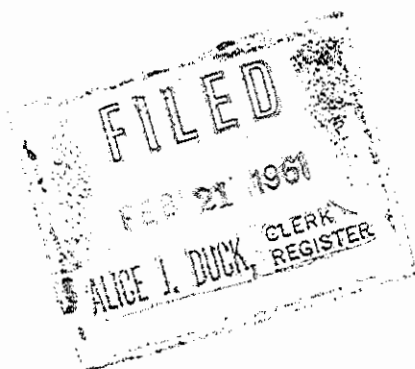
E. G. RICKARBY



KENNETH COOPER



Attorneys for the Defendant.



CORNELIA CHRESTMAN, a minor,	Y	IN THE CIRCUIT COURT
BY HER FATHER AND NEXT FRIEND,		
JOHN A. CHRESTMAN	Y	OF BALDWIN COUNTY,
Plaintiff	Y	ALABAMA
VS.	Y	AT LAW
HUBERT HARVILLE	Y	NO. 3950
Defendant	Y	

Comes now the Plaintiff in the above styled cause and amends her complaint as follows:

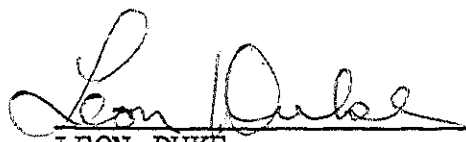
CORNELIA CHRESTMAN, a minor,	Y	IN THE CIRCUIT COURT
BY HER FATHER AND NEXT FRIEND,		
JOHN A. CHRESTMAN	Y	OF BALDWIN COUNTY,
Plaintiff	Y	ALABAMA
VS.	Y	AT LAW
HUBERT HARVILLE and ARTHUR L. HARVILLE, JR.	Y	
Defendants	Y	NO. 3950

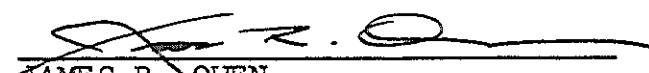
The Plaintiff claims of the Defendants FIFTEEN THOUSAND (\$15,000.00) DOLLARS as damages for in that heretofore and on, to-wit, January 30, 1959, at a point on United States Highway 31, at a point, to-wit, two miles north of Stapleton, Alabama in Baldwin County, Alabama, at which point the said Highway 31 is a public highway in Baldwin County, Alabama, the Defendant, Arthur L. Harville, Jr., the agent, servant or employee of the Defendant, Hubert Harville, while the said agent, servant or employee was acting within the line and scope of his employment as such agent, servant or employee, did so negligently operate automobile so as to cause the same to run into, upon and against the automobile in which the Plaintiff was riding as a passenger upon the said Highway 31, a public road in Baldwin County, Alabama, and as a direct and proximate result of the Defendant's negligence as aforesaid, the Plaintiff was injured in that she was made

sick, lame and sore, she sustained contusions and lacerations and abrasions about her body, her left leg was broken, she was caused to suffer great physical pain and mental anguish and she has been permanently injured and will be caused to suffer pain in the future; all for which she sues.

T W O

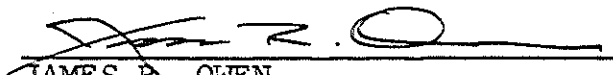
The Plaintiff claims of the Defendants FIFTEEN THOUSAND (\$15,000.00) DOLLARS as damages for in that heretofore and on, to-wit, January 30, 1959, at a point on United States Highway 31, to-wit, two miles north of Stapleton in Baldwin County, Alabama, at which point the said Highway 31 is a public road in Baldwin County, Alabama, the Defendant, Arthur L. Harville, Jr., the agent, servant or employee of the Defendant, Hubert Harville, while acting within the line and scope of his employment as such agent, servant or employee, did wantonly operate a motor vehicle so as to cause the same to run into, upon and against the automobile in which the Plaintiff was riding as a passenger upon the said Highway 31, a public highway in Baldwin County Alabama, and as a direct and proximate result of the Defendant's wanton misconduct as aforementioned, the Plaintiff was wantonly injured in that she was made sick, lame and sore, she sustained contusions, lacerations and abrasions about her body, her left leg was broken, she was caused to suffer great physical pain and mental anguish and she has been permanently injured and will be caused to suffer pain in the future; all for which the Plaintiff sues.

  
LEON DUKE

  
JAMES R. OWEN  
Attorneys for the Plaintiff

The Plaintiff demands that this case be tried by jury.

  
LEON DUKE

  
JAMES R. OWEN  
Attorneys for the Plaintiff

Defendants' address:

Arthur L. Harville, Jr.  
Raybon Community  
Bay Minette, Alabama

Hubert Harville  
Through his attorney of record  
Honorable Kenneth Cooper  
Bay Minette, Alabama

FILED  
MAR 2 1967  
ALICE A. DUCK, Clerk

SUMMONS AND COMPLAINT

Moore Ptg. Co.

The State of Alabama,

Baldwin County.

Circuit Court, Baldwin County

No. 3950

TERM, 19

TO ANY SHERIFF OF THE STATE OF ALABAMA:

You Are Hereby Commanded to Summon Arthur L. Harville, Jr.

to appear and plead, answer or demur, within thirty days from the service hereof, to the complaint filed in

the Circuit Court of Baldwin County, State of Alabama, at Bay Minette, against

Hubert Harville & Arthur L. Harville, Jr.

Defendant

h

by Cornelia Crestman, a minor by her father and next friend JOHN A. CRESTMAN

Plaintiff

Witness my hand this 2nd day of March 19 61

Alice J. Duck, Clerk

No. 3950

Page

The State of Alabama

Baldwin County

CIRCUIT COURT

CORNELIA CHRESTMAN, A Minor by her  
father and next friend, JOHN A.  
CHRESTMAN

Plaintiffs

vs.

HUBERT HARVILLE & ARTHUR L.

HARVILLE, JR.

Defendants

Summons and Complaint

Filed March 2, 1961

Alice J. Duck Clerk

Plaintiff's Attorney

Defendant's Attorney

Defendant lives at

Received In Office

Mar. 2 1961

, Sheriff

I have executed this summons

this 3 March 1961

by leaving a copy with

Arthur L.  
Harville, Jr.

Sheriff claims 22 miles at

Ten Cents per mile Total \$ 2.20

TAYLOR WILKINS, Sheriff

BY

DEPUTY SHERIFF

Taylor Wilkins Sheriff

D. A. Albert Deputy Sheriff

Raburn

CORNELIA CHRESTMAN, a Minor, )  
By Her Father and Next Friend, )  
JOHN A. CHRESTMAN, )  
Plaintiff, )  
Vs. )  
HUBERT HARVILLE and ARTHUR L. )  
HARVILLE, JR., )  
Defendants. )

IN THE CIRCUIT COURT OF  
BALDWIN COUNTY, ALABAMA  
AT LAW

Case No. 3950

PLEAS

Comes now the Defendants, Hubert Harville and Arthur L. Harville, Jr., in the above styled cause and for answer to the Plaintiff's Complaint and to both Counts One and Two thereof says:

ONE

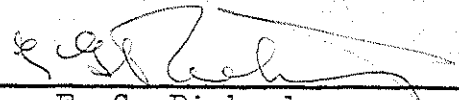
The Defendants for answer to the said Complaint say that they are not guilty of the matters therein alleged.


TWO

The Defendants aver that the allegations of the Complaint are untrue.

THREE

The general issue.

  
E. G. Rickarby  
Attorney for Defendants

  
Kenneth Cooper  
Attorney for Defendants

*Filed 3-13-61*  
*Dee J. Clark*  
*clerk*

STATE OF ALABAMA  
BALDWIN COUNTY

TO ANY SHERIFF OF THE STATE OF ALABAMA:

You are hereby commanded to summon HUBERT HARVILLE to appear within thirty days from the service of this writ in the Circuit Court to be held for said county at the place of holding the same, then and there to answer the complaint of Cornelia Crestman, a minor, by her father and next friend John A. Crestman.

WITNESS my hand this 21 day of August, 1959.

Alice J. Duck  
Clerk

CORNELIA CRESTMAN, a minor,  
BY HER FATHER AND NEXT FRIEND  
JOHN A. CRESTMAN,

PLAINTIFF

VS

HUBERT HARVILLE

DEFENDANT

IN THE CIRCUIT COURT OF

BALDWIN COUNTY, ALABAMA,

AT LAW

1.

The Plaintiff claims of the Defendant the sum of FIFTEEN THOUSAND (\$15,000.00) DOLLARS as damages for that on, to-wit, January 30, 1959, at a point on U. S. Highway 31, two miles North of Stapleton in Baldwin County, Alabama, the Defendant negligently drove his automobile into, upon or against the automobile in which Cornelia Crestman was riding at said time and place and where she had a right to be and as a direct proximate consequence and result of the negligence of said Defendant the said Cornelia Crestman was injured in this: her face and body was lacerated; her left leg was broken; she was caused to suffer abrasions and contusions and she was caused to suffer much pain and anguish. She was caused to incur large hospital and medical bills, all to the loss of the Plaintiff in the aforesaid amount, hence this suit.

Wilters & Brantley

BY:

Robert M. Brantley  
Attorneys for the Plaintiff

The Plaintiff demands a trial by jury.

Wilters & Brantley

BY:

Robert M. Brantley  
Attorneys for the Plaintiff

FILED

AUG 21 1959

ALICE J. DUCK, CLERK  
REGISTER



CD  
1732

3920 459

CORNELIA CRESTMAN, a minor,  
by her father and next friend,  
John A. Crestman,

PLAINTIFF

19 *Bras* VS  
HUBERT HARVILLE

DEFENDANT

Received 22 day of Aug 1959  
and on 19 day of Sept 1959  
served a copy of the within Bill of Complaint  
on Hubert Harville

By service on \_\_\_\_\_

TAYLOR WILKINS, Sheriff  
By H. B. Braswell s.

BILL OF COMPLAINT

FILED

AUG 24 1959

MADE J. DICK, CLERK  
REGISTER

CORNELIA CRESTMAN, a minor,  
BY HER FATHER AND NEXT FRIEND  
JOHN A. CRESTMAN,

PLAINTIFF

VS

HUBERT HARVILLE

DEFENDANT


IN THE CIRCUIT COURT OF  
BALDWIN COUNTY, ALABAMA

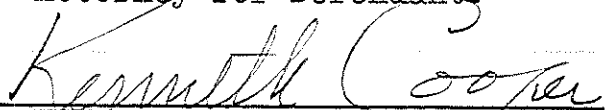
AT LAW

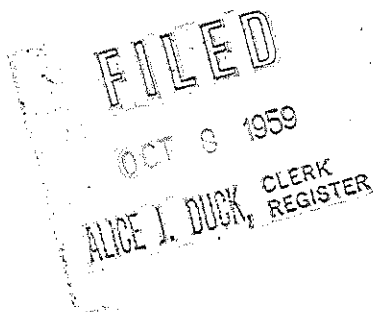
P L E A S

Comes the defendant, ARTHUR L. HARVILLE, and to the plaintiff's complaint as amended offers the following separate and several pleas:

1. The defendant for answer to the complaint says that he is not guilty of the matters alleged therein.
2. The defendant avers that the allegations of the complaint are untrue.
3. General Issue.

  
E. G. RICKARBY,  
Attorney for Defendant.

  
KENNETH COOPER,  
Attorney for Defendant.



CORNELIA CHRESTMAN, a minor   X IN THE CIRCUIT COURT OF  
suing by and through her       X  
father and next friend JOHN   X BALDWIN COUNTY, ALABAMA  
A. CHRESTMAN

Plaintiff

VS.

HUBERT HARVILLE

AT LAW

Defendant       X CASE NO. 3950

Comes now the Plaintiff in the above styled cause and moves the court to re-instate her case upon the trial docket which was dismissed for want of prosecution on September 13, 1960, and as grounds for said motion assigns the following:

O N E

On September 10, 1960, the Plaintiff's attorney of record Mr. Tolbert M. Brantley notified her, through her father, that he no longer would represent her in the case and she did not have sufficient time prior to the trial date of September 13 to make arrangements for another attorney.

T W O

The Plaintiff has now made arrangements for representation by Seale, Marsal, Seale and Duke, attorneys in Mobile, Alabama, to represent her and desires to have her case tried in the Baldwin County Circuit Court.

T H R E E

The Plaintiff relied upon Mr. Tolbert M. Brantley to pass the case generally, after his withdrawal, so that she would have an opportunity to employ new counsel, and her new counsel would have time to prepare the case before trial.

  
LEON G. DUKE

For Seale, Marsal, Seale & Duke, Attys.

*Filed*  
*9/26/60*


[illegible]

5

$\frac{1}{2} \log \frac{1}{2} = -0.5$

Figure 1. The effect of the concentration of the  $\text{Fe}^{2+}$  solution on the adsorption of  $\text{Fe}^{2+}$  by the  $\text{Fe}^{2+}$ -loaded adsorbent. The concentration of the  $\text{Fe}^{2+}$  solution was 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 5000, 10000, 20000, 50000, 100000, 200000, 500000, 1000000, 2000000, 5000000, 10000000, 20000000, 50000000, 100000000, 200000000, 500000000, 1000000000, 2000000000, 5000000000, 10000000000, 20000000000, 50000000000, 100000000000, 200000000000, 500000000000, 1000000000000, 2000000000000, 5000000000000, 10000000000000, 20000000000000, 50000000000000, 100000000000000, 200000000000000, 500000000000000, 1000000000000000, 2000000000000000, 5000000000000000, 10000000000000000, 20000000000000000, 50000000000000000, 100000000000000000, 200000000000000000, 500000000000000000, 1000000000000000000, 2000000000000000000, 5000000000000000000, 10000000000000000000, 20000000000000000000, 50000000000000000000, 100000000000000000000, 200000000000000000000, 500000000000000000000, 1000000000000000000000, 2000000000000000000000, 5000000000000000000000, 10000000000000000000000, 20000000000000000000000, 50000000000000000000000, 100000000000000000000000, 200000000000000000000000, 500000000000000000000000, 1000000000000000000000000, 2000000000000000000000000, 5000000000000000000000000, 10000000000000000000000000, 20000000000000000000000000, 50000000000000000000000000, 100000000000000000000000000, 200000000000000000000000000, 500000000000000000000000000, 1000000000000000000000000000, 2000000000000000000000000000, 5000000000000000000000000000, 10000000000000000000000000000, 20000000000000000000000000000, 50000000000000000000000000000, 100000000000000000000000000000, 200000000000000000000000000000, 500000000000000000000000000000, 1000000000000000000000000000000, 2000000000000000000000000000000, 5000000000000000000000000000000, 10000000000000000000000000000000, 20000000000000000000000000000000, 50000000000000000000000000000000, 100000000000000000000000000000000, 200000000000000000000000000000000, 500000000000000000000000000000000, 1000000000000000000000000000000000, 2000000000000000000000000000000000, 5000000000000000000000000000000000, 10000000000000000000000000000000000, 20000000000000000000000000000000000, 50000000000000000000000000000000000, 100000000000000000000000000000000000, 200000000000000000000000000000000000, 500000000000000000000000000000000000, 1000000000000000000000000000000000000, 2000000000000000000000000000000000000, 5000000000000000000000000000000000000, 10000000000000000000000000000000000000, 20000000000000000000000000000000000000, 50000000000000000000000000000000000000, 100000000000000000000000000000000000000, 200000000000000000000000000000000000000, 500000000000000000000000000000000000000, 1000000000000000000000000000000000000000, 2000000000000000000000000000000000000000, 5000000000000000000000000000000000000000, 100, 200, 500, 1000, 2000, 5000, 100, 200, 500, 1000, 2000, 5000, 100, 200, 500, 1000, 2000, 5000, 100, 200, 500, 1000, 2000, 5000, 100, 200, 500, 100000000

3950



SEP 26 1960

ALICE J. DICK, CLERK,  
REGISTER

$\mathcal{H}_1 = \{ \mathbf{h}_1, \mathbf{h}_2, \dots, \mathbf{h}_M \}$  and  $\mathcal{H}_2 = \{ \mathbf{h}_{M+1}, \mathbf{h}_{M+2}, \dots, \mathbf{h}_{M+N} \}$  are the two sets of hypotheses. The test statistic  $T(\mathbf{y})$  is a function of the observed data  $\mathbf{y}$ . The decision rule is to choose  $\mathcal{H}_1$  if  $T(\mathbf{y}) \leq \tau$  and  $\mathcal{H}_2$  otherwise, where  $\tau$  is the threshold. The probability of detection  $P_D$  and the probability of false alarm  $P_{FA}$  are defined as follows:
 
$$P_D = \Pr(T(\mathbf{y}) \leq \tau | \mathbf{h}_i \in \mathcal{H}_1)$$

$$P_{FA} = \Pr(T(\mathbf{y}) \leq \tau | \mathbf{h}_i \in \mathcal{H}_2)$$
 The Neyman-Pearson (NP) lemma states that the NP test is the most powerful invariant unbiased test. The NP test is given by:
 
$$T(\mathbf{y}) = \ln \left( \frac{p(\mathbf{y} | \mathcal{H}_1)}{p(\mathbf{y} | \mathcal{H}_2)} \right)$$
 where  $p(\mathbf{y} | \mathcal{H}_1)$  and  $p(\mathbf{y} | \mathcal{H}_2)$  are the likelihood functions under  $\mathcal{H}_1$  and  $\mathcal{H}_2$ , respectively. The NP test is the most powerful invariant unbiased test. The NP test is given by:
 
$$T(\mathbf{y}) = \ln \left( \frac{p(\mathbf{y} | \mathcal{H}_1)}{p(\mathbf{y} | \mathcal{H}_2)} \right)$$
 where  $p(\mathbf{y} | \mathcal{H}_1)$  and  $p(\mathbf{y} | \mathcal{H}_2)$  are the likelihood functions under  $\mathcal{H}_1$  and  $\mathcal{H}_2$ , respectively.

[illegible][illegible]

HARRY J. WILTERS, JR.  
TOLBERT M. BRANTLEY  
ASSOCIATE:  
PHYLLIS S. NESBIT

LAW OFFICES OF  
**WILTERS & BRANTLEY**  
P. O. BOX 327  
BAY MINETTE, ALABAMA  
P. O. BOX 337  
ROBERTSDALE, ALABAMA  
September 10, 1960

PHONES  
BAY MINETTE 5151  
ROBERTSDALE WI 7-4682

Judge Hubert M. Hall  
Circuit Court  
Baldwin County  
Bay Minette, Alabama

3950

Re: John A. Crestman  
vs  
Hubert Harville

Dear Judge Hall:

Your Honor, I have withdrawn my appearance in the case of Crestman vs Harville and respectfully request that this case be continued until Mr. Crestman can employ another attorney.

Yours truly,

WILTERS & BRANTLEY

BY Tolbert M. Brantley  
Tolbert M. Brantley

CC: Kenneth Cooper  
Elliot Rickarby  
John A. Crestman