

4-1933

## Students' Department

H. P. Baumann

Follow this and additional works at: <https://egrove.olemiss.edu/jofa>



Part of the [Accounting Commons](#)

---

### Recommended Citation

Baumann, H. P. (1933) "Students' Department," *Journal of Accountancy*. Vol. 55 : Iss. 4 , Article 6.  
Available at: <https://egrove.olemiss.edu/jofa/vol55/iss4/6>

This Article is brought to you for free and open access by the Archival Digital Accounting Collection at eGrove. It has been accepted for inclusion in Journal of Accountancy by an authorized editor of eGrove. For more information, please contact [egrove@olemiss.edu](mailto:egrove@olemiss.edu).



*The Journal of Accountancy*

Interest paid . . . . .	\$1,800
General expenses . . . . .	10,505
Repairs—factory and machinery . . . . .	2,801
Power, light and heat—factory . . . . .	7,100
Sundry expenses— “ . . . . .	3,000
Supplies— “ . . . . .	900
Experimental work . . . . .	400
Stable and auto expense—factory . . . . .	1,100
Total (exhibit B) . . . . .	\$140,000

The accuracy of these statements is questioned, and you are called upon to check them and to prepare a statement in statistical form showing sales, cost of goods sold, gross profit on sales, selling expenses, net profit on sales, general and administrative expenses, net profit on operations, financial charges and net income for the year.

Your investigation discloses the following:

Salaries and wages account—	
Officers' salaries . . . . .	\$17,400
Salesmen's salaries and commissions . . . . .	16,400
Labor—direct . . . . .	16,500
“ indirect . . . . .	7,700
Total . . . . .	\$58,000
Accrued wages, not included in above—	
Labor—direct . . . . .	\$ 1,900
“ indirect . . . . .	600
Total . . . . .	\$ 2,500
Freight account—	
Inward . . . . .	\$ 2,800
Outward . . . . .	1,800
Total . . . . .	\$ 4,600
Insurance account—	
Unexpired, \$1,700.	
Printing and stationery—	
On hand, \$850.	
Interest paid—	
\$500 applies to 1932.	
General expenses—	
\$1,300 applies to 1932.	

Upon consulting with the president, it was decided that the charge for depreciation on the factory building should be 4 per cent. on \$52,000, and on machinery 10 per cent. on \$16,000, and that provision for bad debts should be \$2,100.

The capital stock outstanding was shown to be \$275,000 on December 31, 1931.

*Solution:*

As the problem does not state the stage of completion of the work-in-process inventory at December 31, 1931, particularly the amount of raw material in process, the candidate may be permitted considerable leeway in his determination of the value of that inventory. In this solution, it is assumed that the entire raw material requirements are placed in process in the first operation

*Students' Department*

and that the amount of labor and manufacturing overhead applied will average one-half the cost to complete.

*Exhibit A*

THE ENDICOTT COMPANY

Statement of profit and loss for the year ended December 31, 1931

	Amount	Per unit
Net sales.....	\$140,000	\$40.00
Cost of sales (exhibit B).....	62,920	17.98
	\$ 77,080	\$22.02
<i>Deduct: selling expenses:</i>		
Salesmen's salaries and commissions.....	\$16,400	
Freight out.....	1,800	
Advertising.....	4,594	
	22,794	6.51
Net profit on sales.....	\$ 54,286	\$15.51
<i>Deduct: General and administrative expenses:</i>		
Officers' salaries.....	\$17,400	
Printing and stationery.....	1,350	
Rent of office.....	2,400	
General expenses.....	9,205	
Bad debts.....	2,100	
	32,455	9.27
Net profit from operations.....	\$ 21,831	\$ 6.24
Interest expense.....	1,300	.37
	\$ 20,531	\$ 5.87
	\$ 20,531	\$ 5.87

NOTE.—The charge for bad debts is considered oftentimes as a selling expense or as a financial expense. However, the more general practice is to treat it as shown above.

*Exhibit B*

THE ENDICOTT COMPANY

Statement of cost of goods manufactured and sold for the year ended  
December 31, 1931

	Amount	Units	Cost Per Unit
<b>Materials:</b>			
Raw material purchases.....	\$40,000		
Freight inward.....	2,800		
	\$42,800		

*The Journal of Accountancy*

	Amount	Units	Cost Per Unit
Less: inventory—cost plus freight	\$3,000		
Material used . . . . .	\$39,800	5,000	\$ 7.96
Direct labor . . . . .	18,400	4,750	3.8737
Manufacturing expense:			
Indirect labor . . . . .	\$ 8,300		
Insurance . . . . .	600		
Taxes . . . . .	1,300		
Repairs—factory and machinery	2,801		
Power, light and heat . . . . .	7,100		
Sundry expenses—factory . . . . .	3,000		
Supplies—factory . . . . .	900		
Experimental work . . . . .	400		
Stable and automobile expense— factory . . . . .	1,100		
Depreciation—factory building .	2,080		
Depreciation—machinery . . . . .	1,600		
Total manufacturing expense .	\$29,181	4,750	6.1434
Cost of manufacturing . . . . .	\$87,381		\$17.9771
Deduct: Inventory of work-in-process . . . . .	6,484	(note 1)	
Cost of finished goods manufactured . . . . .	\$80,897	4,500	\$17.977
Deduct: inventory of finished goods . . . . .	17,977	1,000	17.977
Cost of goods sold . . . . .	\$62,920	3,500	\$17.977

NOTE 1.—To compute the cost of the goods-in-process, it is necessary to multiply these goods by the unit costs applicable to material, labor and overhead. It is assumed that the goods-in-process are half completed (they are valued at one-half of the finished goods valuation in the problem). The value should be determined by multiplying the number of units in process by the unit cost of raw materials, and by one-half of the per unit cost of labor and overhead required to complete. The computation follows:

	Units	Unit cost	Amount
Raw material . . . . .	500	\$7.96	\$3,980
Labor . . . . .	250	3.8737	968
Manufacturing expense . . . . .	250	6.1434	1,536
Total . . . . .			\$6,484



*The Journal of Accountancy*

Revenue stamps . . . . .	\$565	
Commissions receivable . . . . .	4,843	
"    payable . . . . .		\$7,556
Accrued income—syndicates . . . . .	5,500	
"    expense—    " . . . . .		201,677
Capital accounts:		
A . . . . .		800,000
B . . . . .		350,000
C . . . . .		350,000
Drawing accounts:		
A . . . . .	12,192	
B . . . . .		16,147
C . . . . .	31,070	
	<u>\$3,500,732</u>	<u>\$3,500,732</u>

From the foregoing data, prepare the opening balance-sheet of the new partnership of A & B, as at December 1, 1931.

*Solution:*

The candidate should not take time to set up working papers in solving this problem, as they are not required. The five adjustments necessary to a correct solution may be made on the examination paper itself. The adjustments are given here for explanatory purposes only.

(1)

Capital account—C . . . . .	\$350,000	
Stock exchange seat . . . . .		\$350,000

To charge C with the stock exchange seat registered in his name, as agreed. (No information is given to support an adjustment for the decline in market value of this seat which undoubtedly did not have a market value of \$350,000 on November 30, 1931. The seat is charged to C, and it is registered in his name, and, according to the data furnished, is not to be taken over by the new firm.)

(2)

Profit and loss . . . . .	250,000	
Goodwill . . . . .		250,000

To write off the goodwill which is considered worthless.

(3)

Profit and loss . . . . .	10,067	
Reserve for loss—customers' short accounts . . . . .		10,067

To provide for possible loss on customers' short accounts not adequately secured.

Customers' credit balances . . . . .	\$228,980	
Customers' free credit balances . . . . .	202,295	
	<u>\$ 26,685</u>	
Balances representing short sales . . . . .	\$ 36,752	
Market value securities short . . . . .	36,752	
Excess representing possible loss to firm	<u>\$ 10,067</u>	

(Were the firm able to obtain additional margin against these accounts, it undoubtedly would have done so.)

*Students' Department*

---

(4)

Profit and loss . . . . .	\$449,185	
Reserve for market decline in firm securities long . . . . .		\$449,185
To provide a reserve for the difference between the book value and the market value of firm securities long.		
Book value . . . . .	\$1,458,664	
Market value . . . . .	1,009,479	
	\$ 449,185	

(5)

Profit and loss . . . . .	13,220	
Reserve for possible loss on firm securities short . . . . .		13,220
To provide for possible loss on firm securities short.		
Market value—amount necessary to cover . . . . .	\$29,649	
Book credit-selling price . . . . .	16,429	
	\$13,220	

NOTE.—As no information is given regarding the security value supporting customers' long or debit balances, these accounts are considered to be fully secured.

The loss to be distributed to the partners of the old firm is set forth below:

Income accounts:		
Profit on syndicate transactions . . . . .	\$215,932	
Interest received . . . . .	4,592	
Dividends received . . . . .	21,138	
Commissions . . . . .	80,533	\$ 322,195
Expense and loss accounts:		
Loss on joint accounts . . . . .	\$ 79,290	
Partners' salaries . . . . .	51,583	
Interest paid . . . . .	68,232	
Interest on partners' capitals . . . . .	42,880	
Salesmen, office and general . . . . .	255,330	
Revenue stamps* . . . . .	565	
Brokerage . . . . .	7,543	
Goodwill (entry No. 2) . . . . .	250,000	

\* Revenue stamps \$565 is treated as an expense in this solution, although it is believed that it would not be incorrect, on the data given, to treat it as an inventory of revenue stamps on hand.



*The Journal of Accountancy*

Reserve for loss—customers' short accounts (entry No. 3).....	\$10,067	
Reserve for market decline in firm securities long (entry No. 4).....	449,185	
Reserve for possible loss on firm securities short (entry No. 5).....	13,220	<u>\$1,227,895</u>
Loss to partners.....	\$ 905,700	<u><u>          </u></u>
Distributed as follows:		
A—60%.....	\$543,420	
B—25%.....	226,425	
C—15%.....	135,855	
Total.....	<u>\$905,700</u>	

A, B, and C

Statement of partners' capital accounts November 30, 1931

	A	B	C	Total
Balances—before adjustments— per trial balance of November 30, 1931.....	\$800,000	\$350,000	\$350,000	\$1,500,000
<i>Deduct:</i>				
Stock exchange seat.....			\$350,000	\$ 350,000
Loss for period.....	\$543,420	\$226,425	135,855	905,700
Drawings—after credits for partners' salaries and interest on capital accounts.....	12,192	16,147	31,070	27,115
Total deductions.....	<u>\$555,612</u>	<u>\$210,278</u>	<u>\$516,925</u>	<u>\$1,282,815</u>
Balances—after adjustments and closing of old partnership— November 30, 1931.....	<u>\$244,388</u>	<u>\$139,722</u>	<u>\$166,925</u>	<u>\$ 217,185</u>

A and B

Balance-sheet—November 30, 1931

*Assets*

Cash in Corn Exchange Bank.....		\$ 63,215
Petty cash.....		852
Failed to deliver.....		148,660
Firm securities long.....	\$1,458,664	
Less: reserve for market decline.....	449,185	1,009,479
Customers' debit balances.....	<u>          </u>	660,313
Stock clearing corporation.....		10,000

*Students' Department*

Commissions receivable . . . . .	\$	4,843
Accrued interest receivable . . . . .		5,500
Due from C . . . . .		166,925
		\$2,069,787
		\$2,069,787
<i>Liabilities and net worth</i>		
Bank loans payable:		
National City Bank . . . . .	\$ 750,000	
Bank of Commerce . . . . .	270,000	\$1,020,000
		185,483
Failed to receive . . . . .		185,483
Accrued expense . . . . .		201,677
Accrued interest . . . . .		2,265
Commissions payable . . . . .		7,556
Customers' free credit balances . . . . .		202,295
Customers' short balances . . . . .		26,685
Firm short balances . . . . .		16,429
Reserves:		
Reserve for loss—customers' short accounts . . .	\$ 10,067	
Reserve for possible loss on firm securities short	13,220	23,287
		23,287
Net worth:		
Capital account—A . . . . .	\$ 244,388	
Capital account—B . . . . .	139,722	384,110
		384,110
		\$2,069,787

NOTE.—It is assumed that the account against C is collectible; because the stock exchange seat has value.

It would seem that the bank loans are secured, although nothing is stated in the problem to this effect.